Wisconsin Public Health Profiles

2017

Births

92.3% of live births are normal birthweight in Wisconsin.

Deaths

11,369 people died from heart disease in Wisconsin.

Hospitalizations

4,917 hospitalizations were drug-related in Wisconsin.

Population

5,778,829 is the population of Wisconsin.

Cancer

4,276 cases of lung cancer were reported in Wisconsin.

Diseases

1,812 cases of Lyme disease were reported in Wisconsin.

Motor Vehicle

3,034 alcohol-related crashes occurred in Wisconsin.

Technical Notes

The Public Health Profiles are published annually and provide concise health and demographic information about each county in Wisconsin. All data in this report are from year 2017, excluding Cancer Registry data (2016). More detailed technical notes are located at the end of this document.

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Births (2017 data)   Wisconsin

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	64,994
Crude live birth rate (per 1,000)	11.2
General fertility rate (per 1,000)	60.1

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	1,844	2.8
Other vaginal	43,557	67.0
Vaginal vacuum	2,002	3.1
Forceps	422	0.6
Primary cesarean	9,712	14.9
Repeat cesarean	7,369	11.3
Cesarean (unk. repeat/primary)	53	0.1
Other/Unknown	35	0.1
Prenatal Care Visits		
No visits	407	0.6
1-4	1,986	3.1
5-9	9,941	15.3
10-12	21,587	33.2
13+	28,554	43.9
Unknown	2,519	3.9
First Prenatal Care Visit		
First trimester	49,275	75.8
Second trimester	10,414	16.0
Third trimester	2,665	4.1
No visits	407	0.6
Unknown	2,233	3.4

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	40,438	62.2
Unmarried	24,397	37.5
Unknown	159	0.2
Education		
Elementary or less	2,284	3.5
Some high school	4,478	6.9
High school graduate	15,978	24.6
Some college	19,125	29.4
College graduate	22,775	35.0
Unknown	343	0.5
Smoking		
Smoker	7,192	11.1
Nonsmoker	57,458	88.4
Unknown	344	0.2

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	820	1.3
1,500-2,499 gm	4,173	6.4
2,500+ gm	59,977	92.3
Unknown	20	0.0
Birth Order		
First	22,903	35.2
Second	21,082	32.4
Third	11,593	17.8
Fourth or higher	9,268	14.3
Unknown	148	0.2
Reported congenital anomalies [1]	391	0.6

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	46,298	71.2	2,952	6.4	37,370	80.7	6,076	13.1	2,852	6.2
Black/African-American	6,806	10.5	1,049	15.4	4,061	59.7	1,697	24.9	1,048	15.4
American Indian	723	1.1	63	8.7	440	60.9	181	25.0	102	14.1
Hispanic/Latino	6,358	9.8	522	8.2	4,138	65.1	1,362	21.4	858	13.5
Asian	2,883	4.4	206	7.1	2,023	70.2	663	23.0	197	6.8
Two or more races	1,431	2.2	145	10.1	978	68.3	297	20.8	156	10.9
Other/Unknown	495	0.8	56	11.3	265	53.5	138	27.9	92	18.6
Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	24	--	2	8.3	9	37.5	9	37.5	6	25.0
15-17	606	5.4	70	11.6	286	47.2	191	31.5	129	21.3
18-19	1,961	26.5	211	10.8	1,181	60.2	512	26.1	268	13.7
20-24	11,601	58.8	983	8.5	7,859	67.7	2,517	21.7	1,225	10.6
25-29	20,366	115.7	1,410	6.9	15,693	77.1	3,206	15.7	1,467	7.2
30-34	20,222	112.5	1,409	7.0	16,345	80.8	2,556	12.6	1,321	6.5
35-39	8,620	47.9	753	8.7	6,775	78.6	1,137	13.2	708	8.2
40+	1,594	9.8	155	9.7	1,127	70.7	286	17.9	181	11.4
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	2,591	14.0								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Deaths (2017 data)

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	552	8.5
Neonatal	261	2.4
Fetal	291	4.5

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	414	6.4
Neonatal	261	4.0
Postneonatal	153	2.4
Birthweight		
< 1,500 gm	211	256.4
1,500-2,499 gm	70	17.0
2,500+ gm	136	2.3
Unknown	5	.
Race of Mother		
White	220	4.8
Black	124	18.4
Hispanic	49	7.8
Asian	19	.
Other/Unknown	10	.

TOTAL DEATHS

Total deaths	52,679	
Crude death rate (per 100,000)	911.6	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	56	20.9
5-14	89	12.4
15-19	189	49.8
20-34	1,308	115.8
35-54	3,897	268.7
55-64	6,073	747.0
65-74	9,319	1,691.8
75-84	12,261	4,499.2
85+	19,073	14,845.3
Selected Underlying Causes		
Heart disease (total)	11,639	201.4
Ischemic heart disease	6,561	113.5
Cancer (total)	11,287	195.3
Trachea/Bronchus/Lung	2,793	48.3
Colorectal	909	15.7
Female breast*	685	11.9
Cerebrovascular disease	2,509	43.4
Lower respiratory disease	2,830	49.0
Pneumonia and influenza	970	16.8
Accidents	3,654	63.2
Motor vehicle	641	11.1
Diabetes	1,428	24.7
Infectious/Parasitic diseases	918	15.9
Suicide	915	15.8
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	2,458	42.5
Opioids	916	15.9
Other drugs	255	4.4

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalizations (2017 data)   Wisconsin

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	602,241	104.2	4.2	$35,217	$3,670
Age					
<18	94,030	73.3	3.7	$18,479	$1,355
18-44	141,358	71.6	3.6	$24,256	$1,738
45-64	142,771	90.9	4.5	$45,810	$4,163
65+	224,082	235.4	4.6	$42,406	$9,983

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	12,981	2.2	3.8	$19,596	$44
18-44	4,906	2.5	3.3	$14,983	$37
45-64	7,072	4.5	4.1	$21,384	$96
Drug-related					
Total	4,917	0.9	3.2	$24,529	$21
18-44	2,310	1.2	2.8	$21,490	$25
MENTAL HEALTH DISORDERS					
Total	45,142	7.8	6.5	$15,546	$121
<18	10,392	8.1	6.8	$17,440	$141
18-44	23,011	11.7	5.9	$13,263	$155
45-64	9,423	6.0	7.0	$16,576	$99
65+	2,316	2.4	9.8	$25,535	$62
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	18,526	3.2	5.9	$69,820	$224
18-44	1,328	0.7	5.9	$86,829	$58
45-64	7,252	4.6	5.7	$73,379	$339
65+	9,633	10.1	5.9	$62,797	$636
Neoplasms: Female Breast (rates for female population)					
Total	448	0.2	3.3	$59,296	$9
Neoplasms: Colorectal					
Total	1,471	0.3	6.2	$59,322	$15
65+	972	1.0	6.6	$60,270	$62
Neoplasms: Lung					
Total	1,909	0.3	5.4	$55,131	$18

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	8,805	1.5	4.5	$35,629	$54
65+	2,560	2.7	5.6	$43,344	$117
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	16,505	2.9	4.0	$72,102	$206
45-64	5,960	3.8	3.6	$74,859	$284
65+	9,920	10.4	4.3	$71,069	$741
Cerebrovascular Disease					
Total	14,921	2.6	5.9	$50,322	$130
45-64	4,026	2.6	6.4	$60,014	$154
65+	10,166	10.7	5.6	$44,218	$472
CHRONIC PULMONARY DISEASE					
Asthma					
Total	2,024	0.4	2.6	$17,994	$6
<18	550	0.4	2.1	$15,353	$7
18-44	575	0.3	2.5	$18,375	$5
45-64	587	0.4	2.8	$19,000	$7
65+	312	0.3	3.4	$20,055	$7
Other Chronic Obstructive Pulmonary Disease					
Total	11,026	1.9	3.7	$23,136	$44
45-64	3,618	2.3	3.5	$23,153	$53
65+	7,232	7.6	3.8	$23,054	$175
PNEUMONIA and INFLUENZA					
Total	12,761	2.2	3.9	$23,977	$53
<18	974	0.8	3.4	$21,970	$17
45-64	2,589	1.6	3.9	$26,455	$44
65+	8,265	8.7	4.1	$23,176	$201

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			5,778,829
Population per square mile			107
Population growth 2013-2017			47,892

	Female	Male	Total
Total	2,904,358	2,874,471	5,778,829
Age			
0-14	515,056	539,746	1,054,802
15-17	111,600	116,254	227,854
18-19	74,122	77,165	151,287
20-24	197,167	203,453	400,620
25-44	697,814	723,586	1,421,400
45-64	789,101	781,937	1,571,038
65-84	435,442	387,908	823,350
85+	84,056	44,422	128,478
Race/Ethnicity			
White	2,390,679	2,358,752	4,749,429
African American	202,971	196,550	399,522
American Indian	28,796	28,361	57,169
Hispanic	192,132	205,963	398,096
Asian	89,769	84,840	174,613

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$47,253

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	3,140,410
Unemployment rate	3.3%
Five-year avg. unemployment rate (2013-2017)	4.8%
Median household income	$59,300

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	4,689	161.6	130.3	126.4	134.2
Melanoma	1,667	28.9	24.4	23.2	25.6
Colorectal	2,576	44.6	36.5	35.1	38.0
Lung and bronchus	4,276	74.1	58.3	56.5	60.1
Prostate*	4,047	141.0	109.4	105.9	112.9
Total	32,688	566.2	458.6	453.5	463.7

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	465
Babesiosis	62
Blastomycosis	123
Campylobacter enteritis	1,350
Cryptosporidiosis	464
E.coli, shiga toxin-producing (STEC)	254
Ehrlichiosis/Anaplasmosis	288
Giardiasis	708
Haemophilus influenzae, invasive	126
Influenza-associated hospitalization	3,417
Legionnaires'	177
Listeriosis	11
Lyme (all stages)	1,812
N. meningitidis (Meningococcal disease)	<5
Meningitis, other bacterial	131
Mumps	37
Pertussis	522
Salmonellosis	948
Streptococcal disease (Group A)	288
Streptococcal disease (Group B)	531
Sexually Transmitted Disease	
Chlamydia trachomatis	27,890
Gonorrhea (all stages)	7,699
Syphilis (all stages)	674

Motor Vehicle Crashes (2017 data)   Wisconsin

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS
These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	40,268	575
Alcohol-related	3,034	161
With citation for OWI	1,539	26
With citation for speeding	3,211	7
Motorcyclist	2,017	75
Bicyclist	803	7
Pedestrian	1,211	56

DEFINITIONS
Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.
Persons killed: All persons who died within 30 days from injuries received in the crash.
Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.
Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES
These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	131
Crude live birth rate (per 1,000)	6.4
General fertility rate (per 1,000)	57.6

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	1	0.8
Other vaginal	90	68.7
Vaginal vacuum	1	0.8
Forceps	2	1.5
Primary cesarean	20	15.3
Repeat cesarean	17	13.0
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	0	0.0
1-4	7	5.3
5-9	36	27.5
10-12	54	41.2
13+	32	24.4
Unknown	2	1.5
First Prenatal Care Visit		
First trimester	88	67.2
Second trimester	33	25.2
Third trimester	9	6.9
No visits	0	0.0
Unknown	1	0.8

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	79	60.3
Unmarried	51	38.9
Unknown	1	0.8
Education		
Elementary or less	0	0.0
Some high school	19	14.5
High school graduate	57	43.5
Some college	30	22.9
College graduate	24	18.3
Unknown	1	0.8
Smoking		
Smoker	29	22.1
Nonsmoker	100	76.3
Unknown	2	0.8

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	1	0.8
1,500-2,499 gm	15	11.5
2,500+ gm	115	87.8
Unknown	0	0.0
Birth Order		
First	40	30.5
Second	46	35.1
Third	32	24.4
Fourth or higher	12	9.2
Unknown	1	0.8
Reported congenital anomalies [1]	0	0.0

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	121	92.4	15	12.4	86	71.1	26	21.5	9	7.4
Black/African-American	3	2.3	0	0.0	1	33.3	2	66.7	0	0.0
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	7	5.3	1	14.3	1	14.3	5	71.4	1	14.3
Asian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Two or more races	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	2	.	1	50.0	2	100.0	0	0.0	0	0.0
18-19	8	.	0	0.0	1	12.5	6	75.0	1	12.5
20-24	37	99.5	4	10.8	27	73.0	8	21.6	2	5.4
25-29	46	129.2	7	15.2	33	71.7	10	21.7	3	6.5
30-34	28	79.1	2	7.1	18	64.3	6	21.4	4	14.3
35-39	7	.	0	0.0	6	85.7	1	14.3	0	0.0
40+	3	.	2	66.7	1	33.3	2	66.7	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	10	22.9								

DEFINITIONS
Birthweight: Infant weight at time of delivery (reported here in grams).
Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.
Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.
Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.
Teen birth: Births in which the mother was less than 20 years old.

MEASURES
Crude live birth rate: Number of live births per 1,000 population.
General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).
Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.
Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES
[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	0	.
Neonatal	0	.
Fetal	0	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	0	.
Neonatal	0	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	0	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	265
Crude death rate (per 100,000)	1,292.1

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	1	.
20-34	6	.
35-54	28	594.1
55-64	29	687.2
65-74	55	1,512.2
75-84	79	4,825.9
85+	67	13,958.3
Selected Underlying Causes		
Heart disease (total)	61	297.4
Ischemic heart disease	45	219.4
Cancer (total)	65	316.9
Trachea/Bronchus/Lung	24	117.0
Colorectal	6	.
Female breast*	2	.
Cerebrovascular disease	7	.
Lower respiratory disease	22	107.3
Pneumonia and influenza	3	.
Accidents	24	117.0
Motor vehicle	6	.
Diabetes	6	.
Infectious/Parasitic diseases	7	.
Suicide	3	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	14	.
Opioids	7	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	1,451	70.7	4.4	$38,486	$2,723
Age					
<18	154	55.4	4.6	$20,517	$1,137
18-44	208	40.6	4.3	$27,923	$1,135
45-64	418	61.0	4.6	$47,231	$2,879
65+	671	116.6	4.3	$40,436	$4,715

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	22	1.1	5.1	$26,722	$29
18-44	6	.	0.0	$0	$0
45-64	13	.	0.0	$0	$0
Drug-related					
Total	12	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	92	4.5	8.8	$15,560	$70
<18	32	11.5	9.0	$17,536	$202
18-44	40	7.8	9.0	$14,749	$115
45-64	15	.	0.0	$0	$0
65+	5	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	59	2.9	7.3	$82,240	$237
18-44	3	.	0.0	$0	$0
45-64	20	2.9	7.6	$96,617	$282
65+	36	6.3	6.9	$72,604	$454
Neoplasms: Female Breast (rates for female population)					
Total	1	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	3	.	0.0	$0	$0
65+	3	.	0.0	$0	$0
Neoplasms: Lung					
Total	6	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	23	1.1	6.2	$42,031	$47
65+	9	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	52	2.5	4.7	$83,656	$212
45-64	20	2.9	3.7	$86,972	$254
65+	30	5.2	5.5	$82,910	$432
Cerebrovascular Disease					
Total	46	2.2	3.7	$38,627	$87
45-64	8	.	0.0	$0	$0
65+	38	6.6	3.6	$35,749	$236
CHRONIC PULMONARY DISEASE					
Asthma					
Total	4	.	0.0	$0	$0
<18	0	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	2	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	50	2.4	3.9	$25,217	$61
45-64	17	.	0.0	$0	$0
65+	33	5.7	3.7	$21,755	$125
PNEUMONIA and INFLUENZA					
Total	28	1.4	3.7	$21,275	$29
<18	3	.	0.0	$0	$0
45-64	7	.	0.0	$0	$0
65+	17	.	0.0	$0	$0

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			20,510
County population rank (1-72)			53
Population per square mile			32
County rank in population density (1-72)			50
Population growth 2013-2017			-215
County rank in 5-year population growth (1-72)			65

	Female	Male	Total
Total	9,532	10,978	20,510
Age			
0-14	1,103	1,167	2,270
15-17	248	262	510
18-19	189	182	371
20-24	372	445	817
25-44	1,466	2,465	3,931
45-64	3,301	3,556	6,857
65-84	2,569	2,705	5,274
85+	284	196	480
Race/Ethnicity			
White	9,052	9,694	18,746
African American	81	559	639
American Indian	92	102	194
Hispanic	255	558	813
Asian	52	65	117

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	14.8%	5.6%
Ages 0-17	24.8%	11.4%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$36,173

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	8,257
Unemployment rate	5.1%
Five-year avg. unemployment rate (2013-2017)	7.62%
Median household income	$44,767
Rank in median household income (1-72)	67

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	21	226.3	112.8	66.1	193.8
Melanoma	7	35.0	15.3	6.1	41.8
Colorectal	14	70.0	31.5	17.1	61.3
Lung and bronchus	37	185.0	90.9	63.2	132.5
Prostate*	22	205.3	111.0	68.0	181.3
Total	193	965.1	520.7	442.3	612.3

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	7
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	6
Cryptosporidiosis	0
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	0
Giardiasis	<5
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	18
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	32
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	<5
Streptococcal disease (Group A)	0
Streptococcal disease (Group B)	0
Sexually Transmitted Disease	
Chlamydia trachomatis	47
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	163	1
Alcohol-related	20	1
With citation for OWI	3	0
With citation for speeding	22	0
Motorcyclist	11	0
Bicyclist	4	0
Pedestrian	1	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Births (2017 data)

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	194
Crude live birth rate (per 1,000)	12.3
General fertility rate (per 1,000)	73.6

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	11	5.7
Other vaginal	124	63.9
Vaginal vacuum	4	2.1
Forceps	0	0.0
Primary cesarean	27	13.9
Repeat cesarean	28	14.4
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	3	1.5
1-4	7	3.6
5-9	54	27.8
10-12	65	33.5
13+	56	28.9
Unknown	9	4.6
First Prenatal Care Visit		
First trimester	114	58.8
Second trimester	54	27.8
Third trimester	15	7.7
No visits	3	1.5
Unknown	8	4.1

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	109	56.2
Unmarried	85	43.8
Unknown	0	0.0
Education		
Elementary or less	1	0.5
Some high school	9	4.6
High school graduate	68	35.1
Some college	75	38.7
College graduate	40	20.6
Unknown	1	0.5
Smoking		
Smoker	44	22.7
Nonsmoker	149	76.8
Unknown	1	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	3	1.5
1,500-2,499 gm	10	5.2
2,500+ gm	181	93.3
Unknown	0	0.0
Birth Order		
First	53	27.3
Second	60	30.9
Third	38	19.6
Fourth or higher	43	22.2
Unknown	0	0.0
Reported congenital anomalies [1]	4	2.1

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	153	78.9	11	7.2	92	60.1	44	28.8	17	11.1
Black/African-American	1	0.5	0	0.0	0	0.0	1	100.0	0	0.0
American Indian	21	10.8	1	4.8	11	52.4	5	23.8	5	23.8
Hispanic/Latino	8	4.1	1	12.5	4	50.0	1	12.5	3	37.5
Asian	2	1.0	0	0.0	1	50.0	1	50.0	0	0.0
Two or more races	9	4.6	0	0.0	6	66.7	2	22.2	1	11.1
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	2	.	0	0.0	0	0.0	1	50.0	1	50.0
18-19	8	.	1	12.5	3	37.5	3	37.5	2	25.0
20-24	44	104.8	5	11.4	24	54.5	12	27.3	8	18.2
25-29	61	133.5	3	4.9	36	59.0	17	27.9	8	13.1
30-34	51	113.3	2	3.9	35	68.6	11	21.6	5	9.8
35-39	24	55.8	2	8.3	12	50.0	10	41.7	2	8.3
40+	4	.	0	0.0	4	100.0	0	0.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	10	20.3								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	3	.
Neonatal	2	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	2	.
Neonatal	2	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	2	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	2	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	186
Crude death rate (per 100,000)	1,176.8

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	1	.
15-19	0	.
20-34	2	.
35-54	17	.
55-64	24	953.9
65-74	26	1,424.7
75-84	42	4,708.5
85+	72	23,376.6
Selected Underlying Causes		
Heart disease (total)	43	272.0
Ischemic heart disease	22	139.2
Cancer (total)	34	215.1
Trachea/Bronchus/Lung	12	.
Colorectal	5	.
Female breast*	4	.
Cerebrovascular disease	10	.
Lower respiratory disease	14	.
Pneumonia and influenza	8	.
Accidents	11	.
Motor vehicle	0	.
Diabetes	6	.
Infectious/Parasitic diseases	4	.
Suicide	2	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	7	.
Opioids	3	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	2,319	146.7	4.2	$28,084	$4,120
Age					
<18	320	93.8	4.0	$17,999	$1,689
18-44	529	108.3	3.6	$16,911	$1,831
45-64	591	131.8	4.4	$36,062	$4,752
65+	879	290.6	4.5	$33,115	$9,623

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	95	6.0	4.3	$17,342	$104
18-44	29	5.9	3.8	$8,667	$51
45-64	60	13.4	4.2	$18,620	$249
Drug-related					
Total	15	.	0.0	$0	$0
18-44	8	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	262	16.6	6.7	$13,903	$230
<18	56	16.4	9.1	$18,513	$304
18-44	141	28.9	6.0	$12,151	$351
45-64	50	11.1	5.2	$11,975	$134
65+	15	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	64	4.0	6.0	$49,747	$201
18-44	2	.	0.0	$0	$0
45-64	23	5.1	6.8	$61,772	$317
65+	39	12.9	5.8	$44,104	$569
Neoplasms: Female Breast (rates for female population)					
Total	2	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	4	.	0.0	$0	$0
65+	3	.	0.0	$0	$0
Neoplasms: Lung					
Total	9	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	32	2.0	4.6	$33,218	$67
65+	12	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	80	5.1	4.2	$75,642	$383
45-64	31	6.9	3.5	$75,403	$521
65+	47	15.5	4.7	$77,458	$1,203
Cerebrovascular Disease					
Total	51	3.2	7.2	$48,385	$156
45-64	12	.	0.0	$0	$0
65+	37	12.2	6.1	$40,771	$499
CHRONIC PULMONARY DISEASE					
Asthma					
Total	6	.	0.0	$0	$0
<18	1	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	2	.	0.0	$0	$0
65+	3	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	61	3.9	3.8	$16,678	$64
45-64	18	.	0.0	$0	$0
65+	43	14.2	3.9	$15,886	$226
PNEUMONIA and INFLUENZA					
Total	87	5.5	3.1	$13,828	$76
<18	6	.	0.0	$0	$0
45-64	10	.	0.0	$0	$0
65+	68	22.5	3.4	$15,409	$346

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			15,806
County population rank (1-72)			61
Population per square mile			15
County rank in population density (1-72)			65
Population growth 2013-2017			-257
County rank in 5-year population growth (1-72)			67

	Female	Male	Total
Total	7,758	8,048	15,806
Age			
0-14	1,373	1,430	2,803
15-17	297	310	607
18-19	195	227	422
20-24	420	484	904
25-44	1,723	1,837	3,560
45-64	2,228	2,257	4,485
65-84	1,361	1,356	2,717
85+	161	147	308
Race/Ethnicity			
White	6,473	6,785	13,259
African American	66	70	136
American Indian	933	936	1,869
Hispanic	234	210	445
Asian	52	46	98

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	15.1%	6.2%
Ages 0-17	22.6%	10.6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$38,134

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	7,915
Unemployment rate	4.6%
Five-year avg. unemployment rate (2013-2017)	6.6%
Median household income	$43,784
Rank in median household income (1-72)	70

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	17	218.9	149.0	83.8	251.1
Melanoma	^	^	^	^	^
Colorectal	7	44.8	31.6	12.5	69.8
Lung and bronchus	19	121.5	78.1	46.4	127.0
Prostate*	17	216.1	167.8	96.5	276.2
Total	105	671.6	469.3	380.6	574.6

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Diseases (2017 data)

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	0
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	<5
Cryptosporidiosis	0
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	10
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	<5
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	<5
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	<5
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	60
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	54	3
Alcohol-related	7	0
With citation for OWI	4	0
With citation for speeding	0	0
Motorcyclist	1	1
Bicyclist	1	0
Pedestrian	0	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	504
Crude live birth rate (per 1,000)	10.9
General fertility rate (per 1,000)	71.1

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	8	1.6
Other vaginal	333	66.1
Vaginal vacuum	24	4.8
Forceps	4	0.8
Primary cesarean	78	15.5
Repeat cesarean	57	11.3
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	2	0.4
1-4	18	3.6
5-9	101	20.0
10-12	262	52.0
13+	118	23.4
Unknown	3	0.6
First Prenatal Care Visit		
First trimester	392	77.8
Second trimester	90	17.9
Third trimester	16	3.2
No visits	2	0.4
Unknown	4	0.8

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	325	64.5
Unmarried	178	35.3
Unknown	1	0.2
Education		
Elementary or less	34	6.7
Some high school	38	7.5
High school graduate	147	29.2
Some college	172	34.1
College graduate	112	22.2
Unknown	1	0.2
Smoking		
Smoker	79	15.7
Nonsmoker	423	83.9
Unknown	2	0.2

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	3	0.6
1,500-2,499 gm	22	4.4
2,500+ gm	478	94.8
Unknown	1	0.2
Birth Order		
First	169	33.5
Second	165	32.7
Third	96	19.0
Fourth or higher	74	14.7
Unknown	0	0.0
Reported congenital anomalies [1]	2	0.4

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
White	440	87.3	22	5.0	351	79.8	72	16.4	17	3.9
Black/African-American	26	5.2	1	3.8	15	57.7	9	34.6	2	7.7
American Indian	6	1.2	0	0.0	4	66.7	1	16.7	1	16.7
Hispanic/Latino	13	2.6	0	0.0	8	61.5	5	38.5	0	0.0
Asian	8	1.6	2	25.0	7	87.5	1	12.5	0	0.0
Two or more races	10	2.0	0	0.0	6	60.0	2	20.0	2	20.0
Other/Unknown	1	0.2	0	0.0	1	100.0	0	0.0	0	0.0
Age	**Births**	**Fertility (per 1,000)**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	3	.	0	0.0	0	0.0	2	66.7	1	33.3
18-19	16	.	2	12.5	9	56.2	5	31.2	2	12.5
20-24	111	107.7	6	5.4	85	76.6	19	17.1	7	6.3
25-29	178	163.5	8	4.5	148	83.1	27	15.2	3	1.7
30-34	132	106.5	6	4.5	105	79.5	21	15.9	6	4.5
35-39	57	44.2	3	5.3	41	71.9	14	24.6	2	3.5
40+	7	.	0	0.0	4	57.1	2	28.6	1	14.3
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	19	15.1								

Column group header: Trimester of First Prenatal Visit (First / Second / Other/Unk.)

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Deaths (2017 data)

Barron County

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	6	.
Neonatal	1	.
Fetal	5	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	2	.
Neonatal	1	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	1	.
1,500-2,499 gm	0	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	2	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	519	
Crude death rate (per 100,000)	1,127.4	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	3	.
20-34	9	.
35-54	34	314.4
55-64	52	720.0
65-74	89	1,505.7
75-84	149	4,940.3
85+	181	13,477.3
Selected Underlying Causes		
Heart disease (total)	121	262.8
Ischemic heart disease	73	158.6
Cancer (total)	106	230.3
Trachea/Bronchus/Lung	27	58.7
Colorectal	10	.
Female breast*	8	.
Cerebrovascular disease	24	52.1
Lower respiratory disease	31	67.3
Pneumonia and influenza	15	.
Accidents	33	71.7
Motor vehicle	6	.
Diabetes	20	43.4
Infectious/Parasitic diseases	8	.
Suicide	11	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	22	47.2
Opioids	1	.
Other drugs	3	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	5,216	113.3	4.0	$32,500	$3,682
Age					
<18	652	68.0	3.0	$13,527	$920
18-44	989	74.8	3.3	$20,636	$1,544
45-64	1,201	92.7	4.5	$44,275	$4,102
65+	2,374	231.2	4.3	$36,696	$8,483

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	112	2.4	4.0	$16,099	$39
18-44	38	2.9	3.3	$7,557	$22
45-64	68	5.2	4.4	$21,542	$113
Drug-related					
Total	30	0.7	3.7	$22,755	$15
18-44	16	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	294	6.4	6.3	$12,271	$78
<18	35	3.7	7.3	$13,352	$49
18-44	155	11.7	5.4	$9,113	$107
45-64	78	6.0	6.7	$14,745	$89
65+	26	2.5	9.7	$22,224	$56
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	171	3.7	4.9	$50,038	$186
18-44	7	.	0.0	$0	$0
45-64	54	4.2	4.6	$52,421	$218
65+	110	10.7	4.8	$47,802	$512
Neoplasms: Female Breast (rates for female population)					
Total	6	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	18	.	0.0	$0	$0
65+	15	.	0.0	$0	$0
Neoplasms: Lung					
Total	18	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	57	1.2	5.3	$43,672	$54
65+	19	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	234	5.1	4.5	$81,797	$416
45-64	76	5.9	4.1	$89,963	$527
65+	150	14.6	4.8	$78,538	$1,147
Cerebrovascular Disease					
Total	146	3.2	6.1	$47,302	$150
45-64	33	2.5	7.9	$64,149	$163
65+	103	10.0	5.3	$37,236	$373
CHRONIC PULMONARY DISEASE					
Asthma					
Total	8	.	0.0	$0	$0
<18	3	.	0.0	$0	$0
18-44	2	.	0.0	$0	$0
45-64	3	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	158	3.4	3.7	$18,674	$64
45-64	50	3.9	4.6	$24,493	$94
65+	107	10.4	3.4	$16,033	$167
PNEUMONIA and INFLUENZA					
Total	222	4.8	3.9	$17,126	$83
<18	13	.	0.0	$0	$0
45-64	35	2.7	3.9	$20,204	$55
65+	168	16.4	4.0	$16,756	$274

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

⚞⚞ Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			46,035
County population rank (1-72)			30
Population per square mile			53
County rank in population density (1-72)			34
Population growth 2013-2017			152
County rank in 5-year population growth (1-72)			30

	Female	Male	Total
Total	22,950	23,085	46,035
Age			
0-14	3,925	4,093	8,018
15-17	765	802	1,567
18-19	495	554	1,049
20-24	1,031	1,166	2,197
25-44	4,801	5,171	9,972
45-64	6,427	6,535	12,962
65-84	4,629	4,298	8,927
85+	877	466	1,343
Race/Ethnicity			
White	21,696	21,644	43,340
African American	277	483	760
American Indian	217	228	445
Hispanic	563	596	1,159
Asian	196	134	331

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	13.1%	4.2%
Ages 0-17	16.7%	7.4%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$37,355

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	24,770
Unemployment rate	3.5%
Five-year avg. unemployment rate (2013-2017)	5.26%
Median household income	$50,940
Rank in median household income (1-72)	50

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	33	146.1	119.9	79.0	174.7
Melanoma	17	37.6	32.3	17.7	54.2
Colorectal	26	57.4	44.7	28.3	67.8
Lung and bronchus	35	77.3	49.0	34.0	69.8
Prostate*	47	207.3	132.9	97.0	180.1
Total	308	680.4	471.9	417.6	531.8

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Diseases (2017 data)

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DISEASE	Cases
Anaplasmosis	17
Babesiosis	<5
Blastomycosis	0
Campylobacter enteritis	15
Cryptosporidiosis	9
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	<5
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	43
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	40
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	11
Salmonellosis	7
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	106
Gonorrhea (all stages)	13
Syphilis (all stages)	<5

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	289	5
Alcohol-related	26	0
With citation for OWI	6	0
With citation for speeding	27	0
Motorcyclist	18	0
Bicyclist	1	0
Pedestrian	3	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	116
Crude live birth rate (per 1,000)	7.7
General fertility rate (per 1,000)	67.1

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	4	3.4
Other vaginal	79	68.1
Vaginal vacuum	1	0.9
Forceps	0	0.0
Primary cesarean	18	15.5
Repeat cesarean	14	12.1
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	0	0.0
1-4	3	2.6
5-9	22	19.0
10-12	54	46.6
13+	32	27.6
Unknown	5	4.3
First Prenatal Care Visit		
First trimester	87	75.0
Second trimester	20	17.2
Third trimester	5	4.3
No visits	0	0.0
Unknown	4	3.4

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	69	59.5
Unmarried	47	40.5
Unknown	0	0.0
Education		
Elementary or less	3	2.6
Some high school	9	7.8
High school graduate	25	21.6
Some college	46	39.7
College graduate	33	28.4
Unknown	0	0.0
Smoking		
Smoker	22	19.0
Nonsmoker	94	81.0
Unknown	0	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	1	0.9
1,500-2,499 gm	6	5.2
2,500+ gm	109	94.0
Unknown	0	0.0
Birth Order		
First	43	37.1
Second	41	35.3
Third	14	12.1
Fourth or higher	18	15.5
Unknown	0	0.0
Reported congenital anomalies [1]	2	1.7

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	96	82.8	6	6.2	71	74.0	17	17.7	8	8.3
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	11	9.5	0	0.0	10	90.9	1	9.1	0	0.0
Hispanic/Latino	3	2.6	1	33.3	3	100.0	0	0.0	0	0.0
Asian	1	0.9	0	0.0	1	100.0	0	0.0	0	0.0
Two or more races	2	1.7	0	0.0	1	50.0	1	50.0	0	0.0
Other/Unknown	3	2.6	0	0.0	1	33.3	1	33.3	1	33.3
Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	2	.	0	0.0	1	50.0	1	50.0	0	0.0
18-19	4	.	1	25.0	3	75.0	1	25.0	0	0.0
20-24	22	82.4	2	9.1	16	72.7	3	13.6	3	13.6
25-29	35	153.5	1	2.9	24	68.6	9	25.7	2	5.7
30-34	38	140.2	2	5.3	32	84.2	4	10.5	2	5.3
35-39	11	.	1	9.1	8	72.7	2	18.2	1	9.1
40+	4	.	0	0.0	3	75.0	0	0.0	1	25.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	6	17.9								

DEFINITIONS
Birthweight: Infant weight at time of delivery (reported here in grams).
Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.
Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.
Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.
Teen birth: Births in which the mother was less than 20 years old.

MEASURES
Crude live birth rate: Number of live births per 1,000 population.
General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).
Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.
Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES
[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	1	.
Neonatal	1	.
Fetal	0	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	1	.
Neonatal	1	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	1	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	1	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	154	
Crude death rate (per 100,000)	1,019.6	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	1	.
20-34	2	.
35-54	11	.
55-64	20	614.4
65-74	39	1,444.4
75-84	29	2,561.8
85+	51	14,655.2
Selected Underlying Causes		
Heart disease (total)	28	185.4
Ischemic heart disease	14	.
Cancer (total)	40	264.8
Trachea/Bronchus/Lung	12	.
Colorectal	0	.
Female breast*	4	.
Cerebrovascular disease	7	.
Lower respiratory disease	7	.
Pneumonia and influenza	3	.
Accidents	12	.
Motor vehicle	5	.
Diabetes	8	.
Infectious/Parasitic diseases	3	.
Suicide	5	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	7	.
Opioids	0	.
Other drugs	2	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

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From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	1,586	105.0	4.3	$30,744	$3,228
Age					
<18	149	62.8	4.1	$14,021	$880
18-44	304	91.8	3.9	$18,604	$1,708
45-64	365	69.7	4.4	$37,403	$2,606
65+	768	183.7	4.3	$35,630	$6,546

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	63	4.2	4.8	$17,525	$73
18-44	32	9.7	4.7	$11,754	$114
45-64	27	5.2	5.1	$25,893	$133
Drug-related					
Total	13	.	0.0	$0	$0
18-44	5	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	135	8.9	7.3	$14,607	$131
<18	22	9.3	12.8	$21,844	$202
18-44	72	21.7	6.2	$11,903	$259
45-64	31	5.9	5.9	$14,833	$88
65+	10	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	55	3.6	4.1	$43,361	$158
18-44	3	.	0.0	$0	$0
45-64	17	.	0.0	$0	$0
65+	35	8.4	4.4	$39,148	$328
Neoplasms: Female Breast (rates for female population)					
Total	5	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	3	.	0.0	$0	$0
65+	3	.	0.0	$0	$0
Neoplasms: Lung					
Total	5	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	26	1.7	4.7	$29,263	$50
65+	8	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	50	3.3	5.4	$71,898	$238
45-64	9	.	0.0	$0	$0
65+	40	9.6	5.9	$72,934	$698
Cerebrovascular Disease					
Total	48	3.2	6.4	$40,678	$129
45-64	4	.	0.0	$0	$0
65+	42	10.0	6.6	$38,082	$383
CHRONIC PULMONARY DISEASE					
Asthma					
Total	4	.	0.0	$0	$0
<18	2	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
45-64	1	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	29	1.9	4.1	$17,384	$33
45-64	8	.	0.0	$0	$0
65+	21	5.0	4.3	$18,197	$91
PNEUMONIA and INFLUENZA					
Total	39	2.6	3.4	$12,721	$33
<18	1	.	0.0	$0	$0
45-64	5	.	0.0	$0	$0
65+	31	7.4	3.0	$10,249	$76

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data) **Bayfield County**

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017	15,104
County population rank (1-72)	64
Population per square mile	10
County rank in population density (1-72)	69
Population growth 2013-2017	4
County rank in 5-year population growth (1-72)	48

	Female	Male	Total
Total	7,279	7,825	15,104
Age			
0-14	925	1,041	1,966
15-17	184	224	408
18-19	151	158	309
20-24	267	298	565
25-44	1,127	1,310	2,437
45-64	2,563	2,676	5,239
65-84	1,850	1,982	3,832
85+	212	136	348
Race/Ethnicity			
White	6,303	6,782	13,084
African American	53	69	121
American Indian	744	791	1,535
Hispanic	134	158	292
Asian	45	26	71

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	12.3%	5%
Ages 0-17	21.5%	10.4%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$28,140

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	7,602
Unemployment rate	5.2%
Five-year avg. unemployment rate (2013-2017)	8.2%
Median household income	$51,120
Rank in median household income (1-72)	48

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	12	163.8	113.9	54.9	218.9
Melanoma	^	^	^	^	^
Colorectal	^	^	^	^	^
Lung and bronchus	13	87.0	41.8	21.6	82.5
Prostate*	26	341.4	146.7	94.8	235.0
Total	119	796.5	414.9	338.4	508.7

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	<5
Blastomycosis	<5
Campylobacter enteritis	<5
Cryptosporidiosis	0
E.coli, shiga toxin-producing (STEC)	0
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	5
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	<5
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	17
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	0
Salmonellosis	<5
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	30
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	80	3
Alcohol-related	21	3
With citation for OWI	5	0
With citation for speeding	16	0
Motorcyclist	6	1
Bicyclist	0	0
Pedestrian	2	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	3,324
Crude live birth rate (per 1,000)	12.8
General fertility rate (per 1,000)	65.6

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	89	2.7
Other vaginal	2,275	68.4
Vaginal vacuum	135	4.1
Forceps	11	0.3
Primary cesarean	461	13.9
Repeat cesarean	352	10.6
Cesarean (unk. repeat/primary)	1	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	13	0.4
1-4	43	1.3
5-9	305	9.2
10-12	747	22.5
13+	2,182	65.6
Unknown	34	1.0
First Prenatal Care Visit		
First trimester	2,732	82.2
Second trimester	418	12.6
Third trimester	116	3.5
No visits	13	0.4
Unknown	45	1.4

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	2,087	62.8
Unmarried	1,231	37.0
Unknown	6	0.2
Education		
Elementary or less	82	2.5
Some high school	281	8.5
High school graduate	781	23.5
Some college	967	29.1
College graduate	1,196	36.0
Unknown	17	0.5
Smoking		
Smoker	344	10.3
Nonsmoker	2,975	89.5
Unknown	5	0.2

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	47	1.4
1,500-2,499 gm	194	5.8
2,500+ gm	3,083	92.7
Unknown	0	0.0
Birth Order		
First	1,157	34.8
Second	1,132	34.1
Third	605	18.2
Fourth or higher	430	12.9
Unknown	0	0.0
Reported congenital anomalies [1]	13	0.4

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	2,293	69.0	155	6.8	2,008	87.6	195	8.5	90	3.9
Black/African-American	156	4.7	20	12.8	98	62.8	37	23.7	21	13.5
American Indian	137	4.1	11	8.0	94	68.6	37	27.0	6	4.4
Hispanic/Latino	432	13.0	32	7.4	329	76.2	74	17.1	29	6.7
Asian	193	5.8	9	4.7	134	69.4	47	24.4	12	6.2
Two or more races	78	2.3	8	10.3	53	67.9	17	21.8	8	10.3
Other/Unknown	35	1.1	6	17.1	16	45.7	11	31.4	8	22.9
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	1	--	0	0.0	0	0.0	0	0.0	1	100.0
15-17	43	8.7	5	11.6	23	53.5	13	30.2	7	16.3
18-19	101	31.0	4	4.0	68	67.3	27	26.7	6	5.9
20-24	619	76.7	51	8.2	464	75.0	104	16.8	51	8.2
25-29	1,079	115.2	65	6.0	898	83.2	130	12.0	51	4.7
30-34	1,007	109.4	75	7.4	874	86.8	97	9.6	36	3.6
35-39	415	49.2	37	8.9	357	86.0	38	9.2	20	4.8
40+	59	8.0	4	6.8	48	81.4	9	15.3	2	3.4
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	145	17.7								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	19	.
Neonatal	10	.
Fetal	9	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	15	.
Neonatal	10	.
Postneonatal	5	.
Birthweight		
< 1,500 gm	9	.
1,500-2,499 gm	3	.
2,500+ gm	3	.
Unknown	0	.
Race of Mother		
White	7	.
Black	2	.
Hispanic	4	.
Asian	1	.
Other/Unknown	1	.

TOTAL DEATHS

Total deaths	2,082	
Crude death rate (per 100,000)	804.8	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	3	.
5-14	7	.
15-19	4	.
20-34	50	93.0
35-54	173	262.3
55-64	244	721.2
65-74	350	1,621.1
75-84	481	4,588.4
85+	755	15,722.6
Selected Underlying Causes		
Heart disease (total)	515	199.1
Ischemic heart disease	321	124.1
Cancer (total)	411	158.9
Trachea/Bronchus/Lung	90	34.8
Colorectal	31	12.0
Female breast*	27	10.4
Cerebrovascular disease	94	36.3
Lower respiratory disease	105	40.6
Pneumonia and influenza	38	14.7
Accidents	130	50.3
Motor vehicle	17	.
Diabetes	54	20.9
Infectious/Parasitic diseases	39	15.1
Suicide	45	17.4
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	98	37.9
Opioids	28	10.8
Other drugs	12	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	25,639	99.1	3.8	$29,831	$2,957
Age					
<18	5,079	82.5	3.5	$16,224	$1,338
18-44	6,624	71.6	3.4	$20,236	$1,450
45-64	5,697	84.0	4.2	$40,722	$3,423
65+	8,239	223.4	4.1	$38,403	$8,580

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	450	1.7	3.7	$16,950	$29
18-44	163	1.8	3.3	$12,845	$23
45-64	251	3.7	3.9	$17,920	$66
Drug-related					
Total	202	0.8	2.3	$21,316	$17
18-44	94	1.0	2.0	$18,950	$19
MENTAL HEALTH DISORDERS					
Total	2,159	8.3	6.1	$11,420	$95
<18	563	9.1	5.9	$12,983	$119
18-44	1,009	10.9	6.2	$10,738	$117
45-64	505	7.5	6.1	$10,613	$79
65+	82	2.2	6.8	$14,057	$31
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	774	3.0	5.7	$62,381	$187
18-44	63	0.7	5.7	$74,391	$51
45-64	321	4.7	5.6	$64,729	$307
65+	373	10.1	5.5	$55,620	$563
Neoplasms: Female Breast (rates for female population)					
Total	24	0.2	3.8	$64,648	$12
Neoplasms: Colorectal					
Total	52	0.2	6.5	$58,889	$12
65+	31	0.8	6.9	$58,111	$49
Neoplasms: Lung					
Total	66	0.3	4.7	$46,127	$12

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	299	1.2	3.6	$26,785	$31
65+	57	1.5	4.8	$36,038	$56
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	627	2.4	3.3	$66,253	$161
45-64	223	3.3	3.3	$72,241	$238
65+	380	10.3	3.4	$63,559	$655
Cerebrovascular Disease					
Total	725	2.8	5.3	$41,504	$116
45-64	199	2.9	5.8	$48,973	$144
65+	496	13.5	5.1	$36,913	$497
CHRONIC PULMONARY DISEASE					
Asthma					
Total	80	0.3	2.5	$17,010	$5
<18	38	0.6	2.1	$15,055	$9
18-44	16	.	0.0	$0	$0
45-64	15	.	0.0	$0	$0
65+	11	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	254	1.0	3.4	$22,233	$22
45-64	90	1.3	3.2	$21,161	$28
65+	162	4.4	3.5	$22,830	$100
PNEUMONIA and INFLUENZA					
Total	413	1.6	3.8	$23,181	$37
<18	48	0.8	3.7	$20,757	$16
45-64	80	1.2	3.8	$26,511	$31
65+	249	6.8	3.8	$22,957	$155

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			258,697
County population rank (1-72)			4
Population per square mile			488
County rank in population density (1-72)			5
Population growth 2013-2017			5,619
County rank in 5-year population growth (1-72)			2

	Female	**Male**	**Total**
Total	130,435	128,262	258,697
Age			
0-14	25,154	26,270	51,424
15-17	4,948	5,197	10,145
18-19	3,263	3,459	6,722
20-24	8,066	8,362	16,428
25-44	34,413	34,907	69,320
45-64	34,107	33,676	67,783
65-84	17,301	14,772	32,073
85+	3,183	1,619	4,802
Race/Ethnicity			
White	107,996	104,172	212,167
African American	3,508	4,745	8,253
American Indian	3,599	3,364	6,963
Hispanic	10,858	11,667	22,525
Asian	4,475	4,313	8,788

POVERTY ESTIMATES	**Estimate (%)**	**(CI +/-)**
All ages	9.7%	2.4%
Ages 0-17	12.7%	4.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$48,125

LABOR FORCE ESTIMATES	**Annual Average**
Civilian labor force	143,100
Unemployment rate	2.9%
Five-year avg. unemployment rate (2013-2017)	4.32%
Median household income	$61,240
Rank in median household income (1-72)	15

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	211	161.4	141.0	122.0	162.1
Melanoma	62	23.9	22.1	16.8	28.5
Colorectal	98	37.8	33.8	27.3	41.4
Lung and bronchus	145	55.9	51.3	43.1	60.6
Prostate*	162	125.7	106.3	90.0	124.8
Total	1,344	517.7	462.4	437.4	488.5

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	<5
Blastomycosis	<5
Campylobacter enteritis	63
Cryptosporidiosis	32
E.coli, shiga toxin-producing (STEC)	10
Ehrlichiosis/Anaplasmosis	24
Giardiasis	47
Haemophilus influenzae, invasive	8
Influenza-associated hospitalization	150
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	55
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	<5
Pertussis	<5
Salmonellosis	37
Streptococcal disease (Group A)	24
Streptococcal disease (Group B)	32
Sexually Transmitted Disease	
Chlamydia trachomatis	1,209
Gonorrhea (all stages)	206
Syphilis (all stages)	15

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	1,341	24
Alcohol-related	112	9
With citation for OWI	65	4
With citation for speeding	122	1
Motorcyclist	73	3
Bicyclist	27	0
Pedestrian	42	4

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	121
Crude live birth rate (per 1,000)	8.9
General fertility rate (per 1,000)	58.4

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	1	0.8
Other vaginal	89	73.6
Vaginal vacuum	4	3.3
Forceps	1	0.8
Primary cesarean	15	12.4
Repeat cesarean	11	9.1
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	0	0.0
1-4	5	4.1
5-9	25	20.7
10-12	45	37.2
13+	44	36.4
Unknown	2	1.7
First Prenatal Care Visit		
First trimester	90	74.4
Second trimester	23	19.0
Third trimester	5	4.1
No visits	0	0.0
Unknown	3	2.5

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	88	72.7
Unmarried	33	27.3
Unknown	0	0.0
Education		
Elementary or less	4	3.3
Some high school	6	5.0
High school graduate	27	22.3
Some college	47	38.8
College graduate	37	30.6
Unknown	0	0.0
Smoking		
Smoker	15	12.4
Nonsmoker	105	86.8
Unknown	1	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	0	0.0
1,500-2,499 gm	4	3.3
2,500+ gm	117	96.7
Unknown	0	0.0
Birth Order		
First	42	34.7
Second	36	29.8
Third	19	15.7
Fourth or higher	24	19.8
Unknown	0	0.0
Reported congenital anomalies [1]	0	0.0

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	116	95.9	4	3.4	85	73.3	23	19.8	8	6.9
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	1	0.8	0	0.0	1	100.0	0	0.0	0	0.0
Asian	1	0.8	0	0.0	1	100.0	0	0.0	0	0.0
Two or more races	3	2.5	0	0.0	3	100.0	0	0.0	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	0	.	0	0.0	0	0.0	0	0.0	0	0.0
18-19	3	.	1	33.3	2	66.7	0	0.0	1	33.3
20-24	16	.	0	0.0	9	56.2	7	43.8	0	0.0
25-29	56	181.2	1	1.8	46	82.1	9	16.1	1	1.8
30-34	33	98.2	2	6.1	23	69.7	5	15.2	5	15.2
35-39	13	.	0	0.0	10	76.9	2	15.4	1	7.7
40+	0	.	0	0.0	0	0.0	0	0.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	3	7.5								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Deaths (2017 data)

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	0	.
Neonatal	0	.
Fetal	0	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	0	.
Neonatal	0	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	0	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	143	
Crude death rate (per 100,000)	1,057.1	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	1	.
15-19	0	.
20-34	4	.
35-54	4	.
55-64	13	.
65-74	42	2,397.3
75-84	30	3,456.2
85+	48	14,328.4
Selected Underlying Causes		
Heart disease (total)	37	273.5
Ischemic heart disease	18	.
Cancer (total)	36	266.1
Trachea/Bronchus/Lung	6	.
Colorectal	1	.
Female breast*	4	.
Cerebrovascular disease	7	.
Lower respiratory disease	6	.
Pneumonia and influenza	1	.
Accidents	3	.
Motor vehicle	0	.
Diabetes	3	.
Infectious/Parasitic diseases	7	.
Suicide	2	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	1	.
Opioids	0	.
Other drugs	0	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	1,453	107.4	4.0	$31,895	$3,426
Age					
<18	170	62.0	3.1	$16,194	$1,004
18-44	271	72.2	3.6	$20,541	$1,483
45-64	350	85.8	4.1	$37,619	$3,229
65+	662	224.0	4.4	$37,549	$8,412

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	26	1.9	4.4	$16,267	$31
18-44	10	.	0.0	$0	$0
45-64	14	.	0.0	$0	$0
Drug-related					
Total	8	.	0.0	$0	$0
18-44	6	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	82	6.1	6.8	$13,799	$84
<18	8	.	0.0	$0	$0
18-44	45	12.0	7.8	$13,286	$159
45-64	20	4.9	5.7	$11,478	$56
65+	9	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	40	3.0	5.1	$45,004	$133
18-44	1	.	0.0	$0	$0
45-64	15	.	0.0	$0	$0
65+	24	8.1	6.4	$47,557	$386
Neoplasms: Female Breast (rates for female population)					
Total	2	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	2	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Neoplasms: Lung					
Total	2	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	20	1.5	4.0	$29,649	$44
65+	5	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	53	3.9	3.8	$63,618	$249
45-64	13	.	0.0	$0	$0
65+	38	12.9	4.2	$67,364	$866
Cerebrovascular Disease					
Total	42	3.1	5.8	$39,312	$122
45-64	21	5.2	7.1	$41,926	$216
65+	20	6.8	4.7	$37,324	$253
CHRONIC PULMONARY DISEASE					
Asthma					
Total	4	.	0.0	$0	$0
<18	0	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
45-64	2	.	0.0	$0	$0
65+	1	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	34	2.5	3.5	$19,005	$48
45-64	7	.	0.0	$0	$0
65+	27	9.1	3.7	$19,784	$181
PNEUMONIA and INFLUENZA					
Total	39	2.9	3.8	$21,085	$61
<18	4	.	0.0	$0	$0
45-64	6	.	0.0	$0	$0
65+	29	9.8	4.0	$19,772	$194

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

Buffalo County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			13,527
County population rank (1-72)			67
Population per square mile			20
County rank in population density (1-72)			61
Population growth 2013-2017			-1
County rank in 5-year population growth (1-72)			49

	Female	Male	Total
Total	6,730	6,797	13,527
Age			
0-14	1,137	1,142	2,279
15-17	245	218	463
18-19	153	186	339
20-24	332	336	668
25-44	1,341	1,405	2,746
45-64	2,024	2,053	4,077
65-84	1,288	1,332	2,620
85+	210	125	335
Race/Ethnicity			
White	6,494	6,515	13,009
African American	35	55	91
American Indian	30	25	55
Hispanic	135	179	314
Asian	35	23	59

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	9.4%	3.6%
Ages 0-17	12.5%	6.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$35,889

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	6,599
Unemployment rate	3.8%
Five-year avg. unemployment rate (2013-2017)	5.08%
Median household income	$55,297
Rank in median household income (1-72)	39

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	11	170.4	114.2	54.0	220.4
Melanoma	7	53.2	32.5	12.2	75.7
Colorectal	^	^	^	^	^
Lung and bronchus	9	68.4	39.7	17.9	83.1
Prostate*	10	149.1	91.2	43.1	181.9
Total	80	607.9	409.1	319.0	519.5

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.
Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.
Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.
Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.
Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.
Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.
Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	6
Babesiosis	<5
Blastomycosis	0
Campylobacter enteritis	19
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	0
Ehrlichiosis/Anaplasmosis	0
Giardiasis	<5
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	7
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	7
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	0
Salmonellosis	0
Streptococcal disease (Group A)	0
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	35
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	79	0
Alcohol-related	4	0
With citation for OWI	1	0
With citation for speeding	5	0
Motorcyclist	25	0
Bicyclist	0	0
Pedestrian	0	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	74	62.7
Unmarried	44	37.3
Unknown	0	0.0
Education		
Elementary or less	0	0.0
Some high school	11	9.3
High school graduate	35	29.7
Some college	41	34.7
College graduate	30	25.4
Unknown	1	0.8
Smoking		
Smoker	25	21.2
Nonsmoker	92	78.0
Unknown	1	0.0

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	118
Crude live birth rate (per 1,000)	7.6
General fertility rate (per 1,000)	58.7

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	1	0.8
Other vaginal	84	71.2
Vaginal vacuum	5	4.2
Forceps	0	0.0
Primary cesarean	12	10.2
Repeat cesarean	16	13.6
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	0.8
1-4	2	1.7
5-9	24	20.3
10-12	47	39.8
13+	42	35.6
Unknown	2	1.7
First Prenatal Care Visit		
First trimester	81	68.6
Second trimester	30	25.4
Third trimester	5	4.2
No visits	1	0.8
Unknown	1	0.8

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	1	0.8
1,500-2,499 gm	4	3.4
2,500+ gm	113	95.8
Unknown	0	0.0
Birth Order		
First	34	28.8
Second	51	43.2
Third	16	13.6
Fourth or higher	17	14.4
Unknown	0	0.0
Reported congenital anomalies [1]	0	0.0

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

Race/Ethnicity	All Births Births	%	LBW Births	%	First Births	%	Second Births	%	Other/Unk. Births	%
White	98	83.1	2	2.0	69	70.4	25	25.5	4	4.1
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	10	8.5	1	10.0	4	40.0	3	30.0	3	30.0
Hispanic/Latino	2	1.7	0	0.0	2	100.0	0	0.0	0	0.0
Asian	1	0.8	0	0.0	0	0.0	1	100.0	0	0.0
Two or more races	7	5.9	2	28.6	6	85.7	1	14.3	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Trimester of First Prenatal Visit

Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	0	.	0	0.0	0	0.0	0	0.0	0	0.0
18-19	2	.	0	0.0	2	100.0	0	0.0	0	0.0
20-24	30	94.6	2	6.7	20	66.7	9	30.0	1	3.3
25-29	41	142.4	3	7.3	27	65.9	10	24.4	4	9.8
30-34	34	110.4	0	0.0	25	73.5	8	23.5	1	2.9
35-39	9	.	0	0.0	5	55.6	3	33.3	1	11.1
40+	2	.	0	0.0	2	100.0	0	0.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	2	5.0								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	1	.
Neonatal	1	.
Fetal	0	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	2	.
Neonatal	1	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	1	.
1,500-2,499 gm	0	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	1	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	1	.

TOTAL DEATHS

Total deaths	213	
Crude death rate (per 100,000)	1,374.2	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	0	.
20-34	4	.
35-54	10	.
55-64	33	1,100.0
65-74	51	2,030.3
75-84	65	5,142.4
85+	48	13,483.1
Selected Underlying Causes		
Heart disease (total)	47	303.2
Ischemic heart disease	23	148.4
Cancer (total)	59	380.6
Trachea/Bronchus/Lung	15	.
Colorectal	7	.
Female breast*	4	.
Cerebrovascular disease	11	.
Lower respiratory disease	17	.
Pneumonia and influenza	2	.
Accidents	12	.
Motor vehicle	5	.
Diabetes	5	.
Infectious/Parasitic diseases	2	.
Suicide	1	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	8	.
Opioids	0	.
Other drugs	0	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	1,797	115.9	4.1	$35,414	$4,106
Age					
<18	145	52.6	2.9	$14,831	$780
18-44	260	71.4	3.3	$22,037	$1,574
45-64	413	83.1	4.3	$43,845	$3,643
65+	979	236.9	4.4	$38,459	$9,112

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	27	1.7	4.7	$19,799	$34
18-44	5	.	0.0	$0	$0
45-64	15	.	0.0	$0	$0
Drug-related					
Total	6	.	0.0	$0	$0
18-44	3	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	56	3.6	4.9	$10,536	$38
<18	6	.	0.0	$0	$0
18-44	31	8.5	4.6	$9,109	$78
45-64	7	.	0.0	$0	$0
65+	12	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	69	4.5	6.3	$61,899	$276
18-44	0	.	0.0	$0	$0
45-64	24	4.8	8.0	$77,792	$376
65+	45	10.9	5.4	$53,423	$582
Neoplasms: Female Breast (rates for female population)					
Total	3	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	7	.	0.0	$0	$0
65+	7	.	0.0	$0	$0
Neoplasms: Lung					
Total	12	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	29	1.9	6.2	$52,213	$98
65+	12	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	71	4.6	4.8	$85,345	$391
45-64	24	4.8	4.3	$94,453	$456
65+	46	11.1	5.1	$81,514	$907
Cerebrovascular Disease					
Total	60	3.9	5.9	$46,416	$180
45-64	11	.	0.0	$0	$0
65+	49	11.9	4.9	$43,018	$510
CHRONIC PULMONARY DISEASE					
Asthma					
Total	4	.	0.0	$0	$0
<18	3	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
45-64	0	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	75	4.8	3.0	$11,767	$57
45-64	11	.	0.0	$0	$0
65+	64	15.5	3.1	$11,666	$181
PNEUMONIA and INFLUENZA					
Total	61	3.9	3.5	$15,207	$60
<18	2	.	0.0	$0	$0
45-64	9	.	0.0	$0	$0
65+	50	12.1	3.3	$14,777	$179

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			15,500
County population rank (1-72)			62
Population per square mile			19
County rank in population density (1-72)			63
Population growth 2013-2017			74
County rank in 5-year population growth (1-72)			34

	Female	Male	Total
Total	7,698	7,802	15,500
Age			
0-14	1,121	1,166	2,287
15-17	231	239	470
18-19	166	169	335
20-24	317	331	648
25-44	1,295	1,362	2,657
45-64	2,484	2,487	4,971
65-84	1,877	1,899	3,776
85+	207	149	356
Race/Ethnicity			
White	7,074	7,117	14,190
African American	93	85	179
American Indian	356	404	760
Hispanic	129	165	294
Asian	45	31	76

POVERTY ESTIMATES	Estimate (%)	(CI +/-)
All ages	12.7%	4%
Ages 0-17	20.7%	9.4%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$32,526

LABOR FORCE ESTIMATES	Annual Average
Civilian labor force	7,367
Unemployment rate	4.8%
Five-year avg. unemployment rate (2013-2017)	6.86%
Median household income	$47,727
Rank in median household income (1-72)	57

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	21	280.6	197.9	109.6	332.6
Melanoma	^	^	^	^	^
Colorectal	20	131.3	63.5	38.3	107.1
Lung and bronchus	24	157.6	78.9	49.8	126.2
Prostate*	27	348.7	152.2	99.7	239.1
Total	146	958.7	551.5	453.7	667.4

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS
Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES
The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	13
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	5
Cryptosporidiosis	0
E.coli, shiga toxin-producing (STEC)	0
Ehrlichiosis/Anaplasmosis	0
Giardiasis	<5
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	5
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	23
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	0
Salmonellosis	<5
Streptococcal disease (Group A)	0
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	17
Gonorrhea (all stages)	8
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	100	5
Alcohol-related	23	2
With citation for OWI	5	0
With citation for speeding	8	0
Motorcyclist	9	0
Bicyclist	1	0
Pedestrian	0	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	478
Crude live birth rate (per 1,000)	9.4
General fertility rate (per 1,000)	52.0

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	14	2.9
Other vaginal	306	64.0
Vaginal vacuum	18	3.8
Forceps	4	0.8
Primary cesarean	80	16.7
Repeat cesarean	56	11.7
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	0.2
1-4	5	1.0
5-9	49	10.3
10-12	140	29.3
13+	277	57.9
Unknown	6	1.3
First Prenatal Care Visit		
First trimester	396	82.8
Second trimester	58	12.1
Third trimester	16	3.3
No visits	1	0.2
Unknown	7	1.5

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	356	74.5
Unmarried	122	25.5
Unknown	0	0.0
Education		
Elementary or less	7	1.5
Some high school	18	3.8
High school graduate	102	21.3
Some college	154	32.2
College graduate	196	41.0
Unknown	1	0.2
Smoking		
Smoker	43	9.0
Nonsmoker	435	91.0
Unknown	0	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	7	1.5
1,500-2,499 gm	24	5.0
2,500+ gm	446	93.3
Unknown	1	0.2
Birth Order		
First	160	33.5
Second	163	34.1
Third	88	18.4
Fourth or higher	67	14.0
Unknown	0	0.0
Reported congenital anomalies [1]	4	0.8

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	407	85.1	25	6.1	351	86.2	37	9.1	19	4.7
Black/African-American	8	1.7	2	25.0	2	25.0	4	50.0	2	25.0
American Indian	2	0.4	0	0.0	1	50.0	1	50.0	0	0.0
Hispanic/Latino	43	9.0	3	7.0	29	67.4	11	25.6	3	7.0
Asian	9	1.9	0	0.0	5	55.6	4	44.4	0	0.0
Two or more races	9	1.9	1	11.1	8	88.9	1	11.1	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	4	.	2	50.0	0	0.0	3	75.0	1	25.0
18-19	13	.	0	0.0	7	53.8	5	38.5	1	7.7
20-24	58	45.5	1	1.7	36	62.1	16	27.6	6	10.3
25-29	154	126.1	8	5.2	137	89.0	12	7.8	5	3.2
30-34	171	115.9	15	8.8	149	87.1	14	8.2	8	4.7
35-39	69	38.6	4	5.8	61	88.4	6	8.7	2	2.9
40+	9	.	1	11.1	6	66.7	2	22.2	1	11.1
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	17	9.7								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	2	.
Neonatal	0	.
Fetal	2	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	0	.
Neonatal	0	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	0	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	366	
Crude death rate (per 100,000)	719.2	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	1	.
15-19	1	.
20-34	10	.
35-54	32	218.0
55-64	24	337.0
65-74	59	1,402.8
75-84	86	4,394.5
85+	153	17,915.7
Selected Underlying Causes		
Heart disease (total)	85	167.0
Ischemic heart disease	39	76.6
Cancer (total)	53	104.1
Trachea/Bronchus/Lung	10	.
Colorectal	3	.
Female breast*	4	.
Cerebrovascular disease	20	39.3
Lower respiratory disease	22	43.2
Pneumonia and influenza	10	.
Accidents	16	.
Motor vehicle	6	.
Diabetes	19	.
Infectious/Parasitic diseases	4	.
Suicide	6	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	13	.
Opioids	3	.
Other drugs	0	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	2,081	40.9	3.8	$28,807	$1,178
Age					
<18	380	30.2	3.5	$16,473	$497
18-44	454	27.6	3.3	$19,598	$541
45-64	466	31.4	3.9	$39,816	$1,249
65+	781	111.3	4.0	$33,594	$3,739

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	19	.	0.0	$0	$0
18-44	7	.	0.0	$0	$0
45-64	10	.	0.0	$0	$0
Drug-related					
Total	14	.	0.0	$0	$0
18-44	8	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	154	3.0	5.3	$10,192	$31
<18	47	3.7	5.6	$11,011	$41
18-44	73	4.4	4.1	$8,535	$38
45-64	26	1.8	6.1	$10,183	$18
65+	8	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	75	1.5	5.2	$54,840	$81
18-44	3	.	0.0	$0	$0
45-64	32	2.2	4.2	$53,060	$114
65+	39	5.6	5.8	$53,333	$296
Neoplasms: Female Breast (rates for female population)					
Total	2	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	10	.	0.0	$0	$0
65+	8	.	0.0	$0	$0
Neoplasms: Lung					
Total	9	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	39	0.8	3.7	$18,814	$14
65+	15	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	63	1.2	3.9	$64,244	$80
45-64	20	1.3	3.4	$67,099	$90
65+	43	6.1	4.1	$62,917	$386
Cerebrovascular Disease					
Total	58	1.1	5.7	$39,355	$45
45-64	10	.	0.0	$0	$0
65+	46	6.6	5.1	$31,186	$204
CHRONIC PULMONARY DISEASE					
Asthma					
Total	2	.	0.0	$0	$0
<18	0	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
45-64	1	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	21	0.4	2.8	$10,169	$4
45-64	0	.	0.0	$0	$0
65+	21	3.0	2.8	$10,169	$30
PNEUMONIA and INFLUENZA					
Total	43	0.8	3.4	$15,091	$13
<18	6	.	0.0	$0	$0
45-64	4	.	0.0	$0	$0
65+	32	4.6	3.0	$10,405	$47

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		50,892
County population rank (1-72)		29
Population per square mile		160
County rank in population density (1-72)		16
Population growth 2013-2017		1,312
County rank in 5-year population growth (1-72)		9

	Female	Male	Total
Total	25,395	25,497	50,892
Age			
0-14	5,037	5,341	10,378
15-17	1,105	1,108	2,213
18-19	646	728	1,374
20-24	1,274	1,390	2,664
25-44	6,174	6,219	12,393
45-64	7,410	7,443	14,853
65-84	3,219	2,944	6,163
85+	530	324	854
Race/Ethnicity			
White	23,286	23,320	46,606
African American	232	278	510
American Indian	122	107	228
Hispanic	1,074	1,211	2,286
Asian	681	581	1,262

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	5.4%	2%
Ages 0-17	6.5%	3%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$38,904

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	27,978
Unemployment rate	2.8%
Five-year avg. unemployment rate (2013-2017)	3.82%
Median household income	$72,309
Rank in median household income (1-72)	6

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	43	173.9	142.4	102.1	194.2
Melanoma	14	28.2	24.3	13.0	41.8
Colorectal	23	46.3	42.3	26.5	64.2
Lung and bronchus	30	60.4	52.1	34.8	75.4
Prostate*	27	108.3	82.9	53.9	123.5
Total	254	511.6	439.3	385.5	498.9

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	<5
Campylobacter enteritis	18
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	0
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	6
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	36
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	7
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	<5
Pertussis	<5
Salmonellosis	7
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	8
Sexually Transmitted Disease	
Chlamydia trachomatis	127
Gonorrhea (all stages)	14
Syphilis (all stages)	5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	228	5
Alcohol-related	15	1
With citation for OWI	8	0
With citation for speeding	19	0
Motorcyclist	12	1
Bicyclist	4	0
Pedestrian	5	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	624
Crude live birth rate (per 1,000)	9.8
General fertility rate (per 1,000)	59.9

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	20	3.2
Other vaginal	418	67.0
Vaginal vacuum	31	5.0
Forceps	1	0.2
Primary cesarean	76	12.2
Repeat cesarean	78	12.5
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	0.2
1-4	16	2.6
5-9	111	17.8
10-12	246	39.4
13+	237	38.0
Unknown	13	2.1
First Prenatal Care Visit		
First trimester	499	80.0
Second trimester	97	15.5
Third trimester	16	2.6
No visits	1	0.2
Unknown	11	1.8

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	409	65.5
Unmarried	211	33.8
Unknown	4	0.6
Education		
Elementary or less	22	3.5
Some high school	24	3.8
High school graduate	168	26.9
Some college	234	37.5
College graduate	175	28.0
Unknown	1	0.2
Smoking		
Smoker	106	17.0
Nonsmoker	514	82.4
Unknown	4	0.6

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	5	0.8
1,500-2,499 gm	30	4.8
2,500+ gm	589	94.4
Unknown	0	0.0
Birth Order		
First	224	35.9
Second	189	30.3
Third	118	18.9
Fourth or higher	91	14.6
Unknown	2	0.3
Reported congenital anomalies [1]	4	0.6

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	584	93.6	32	5.5	466	79.8	91	15.6	27	4.6
Black/African-American	3	0.5	1	33.3	3	100.0	0	0.0	0	0.0
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	12	1.9	1	8.3	11	91.7	1	8.3	0	0.0
Asian	15	2.4	1	6.7	13	86.7	2	13.3	0	0.0
Two or more races	10	1.6	0	0.0	6	60.0	3	30.0	1	10.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	2	.	0	0.0	2	100.0	0	0.0	0	0.0
18-19	15	.	0	0.0	10	66.7	5	33.3	0	0.0
20-24	111	74.0	5	4.5	87	78.4	17	15.3	7	6.3
25-29	222	137.5	18	8.1	174	78.4	35	15.8	13	5.9
30-34	206	112.9	9	4.4	169	82.0	31	15.0	6	2.9
35-39	61	31.8	3	4.9	50	82.0	9	14.8	2	3.3
40+	7	.	0	0.0	7	100.0	0	0.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	17	9.2								

Trimester of First Prenatal Visit (column group header spanning First / Second / Other/Unk.)

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	8	.
Neonatal	3	.
Fetal	5	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	4	.
Neonatal	3	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	3	.
1,500-2,499 gm	0	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	4	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	570	
Crude death rate (per 100,000)	891.4	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	3	.
20-34	11	.
35-54	41	248.5
55-64	62	665.0
65-74	90	1,388.5
75-84	146	4,826.4
85+	213	15,457.2
Selected Underlying Causes		
Heart disease (total)	132	206.4
Ischemic heart disease	84	131.4
Cancer (total)	130	203.3
Trachea/Bronchus/Lung	35	54.7
Colorectal	12	.
Female breast*	6	.
Cerebrovascular disease	24	37.5
Lower respiratory disease	40	62.6
Pneumonia and influenza	8	.
Accidents	35	54.7
Motor vehicle	7	.
Diabetes	15	.
Infectious/Parasitic diseases	7	.
Suicide	10	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	21	33.2
Opioids	6	.
Other drugs	6	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatal, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	6,558	102.6	4.0	$31,567	$3,237
Age					
<18	955	65.9	3.5	$14,487	$954
18-44	1,436	69.4	3.5	$20,468	$1,420
45-64	1,534	85.9	4.4	$41,069	$3,526
65+	2,633	241.9	4.3	$38,280	$9,260

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	146	2.3	3.4	$12,374	$28
18-44	46	2.2	3.0	$8,818	$20
45-64	94	5.3	3.5	$13,434	$71
Drug-related					
Total	61	1.0	3.6	$17,144	$16
18-44	25	1.2	3.4	$18,498	$22
MENTAL HEALTH DISORDERS					
Total	527	8.2	6.3	$12,053	$99
<18	104	7.2	8.9	$16,117	$116
18-44	288	13.9	5.4	$9,821	$137
45-64	113	6.3	6.2	$13,543	$86
65+	22	2.0	6.1	$14,411	$29
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	225	3.5	6.3	$61,363	$216
18-44	11	.	0.0	$0	$0
45-64	80	4.5	6.5	$64,657	$289
65+	126	11.6	6.1	$57,024	$660
Neoplasms: Female Breast (rates for female population)					
Total	2	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	29	0.5	7.1	$61,327	$28
65+	18	.	0.0	$0	$0
Neoplasms: Lung					
Total	28	0.4	8.6	$73,303	$32

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	86	1.3	3.8	$26,733	$36
65+	34	3.1	4.6	$32,379	$101
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	223	3.5	3.9	$70,661	$246
45-64	81	4.5	3.7	$74,346	$337
65+	133	12.2	4.1	$70,825	$865
Cerebrovascular Disease					
Total	145	2.3	5.5	$44,010	$100
45-64	29	1.6	7.3	$70,208	$114
65+	113	10.4	5.2	$37,175	$386
CHRONIC PULMONARY DISEASE					
Asthma					
Total	17	.	0.0	$0	$0
<18	1	.	0.0	$0	$0
18-44	3	.	0.0	$0	$0
45-64	8	.	0.0	$0	$0
65+	5	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	193	3.0	3.5	$20,868	$63
45-64	62	3.5	3.2	$20,171	$70
65+	125	11.5	3.7	$21,305	$245
PNEUMONIA and INFLUENZA					
Total	179	2.8	3.5	$20,850	$58
<18	17	.	0.0	$0	$0
45-64	32	1.8	3.0	$17,609	$32
65+	118	10.8	3.7	$21,197	$230

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

👥 Population (2017 data)   Chippewa County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		63,944
County population rank (1-72)		24
Population per square mile		63
County rank in population density (1-72)		29
Population growth 2013-2017		914
County rank in 5-year population growth (1-72)		13

	Female	Male	Total
Total	30,621	33,323	63,944
Age			
0-14	5,908	6,270	12,178
15-17	1,121	1,199	2,320
18-19	718	813	1,531
20-24	1,500	1,861	3,361
25-44	7,084	8,717	15,801
45-64	8,558	9,310	17,868
65-84	4,859	4,648	9,507
85+	873	505	1,378
Race/Ethnicity			
White	29,234	30,961	60,195
African American	249	1,018	1,266
American Indian	114	197	311
Hispanic	534	693	1,227
Asian	492	454	946

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	10.1%	3.4%
Ages 0-17	13.5%	6.4%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$39,211

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	33,539
Unemployment rate	3.5%
Five-year avg. unemployment rate (2013-2017)	4.92%
Median household income	$56,678
Rank in median household income (1-72)	29

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	47	153.9	114.2	82.5	155.0
Melanoma	23	36.2	27.6	17.2	42.4
Colorectal	41	64.5	48.4	34.5	66.6
Lung and bronchus	53	83.4	61.9	46.1	81.9
Prostate*	44	133.3	98.2	70.6	133.9
Total	412	648.1	500.3	451.9	552.9

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Diseases (2017 data)

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	15
Babesiosis	<5
Blastomycosis	0
Campylobacter enteritis	18
Cryptosporidiosis	20
E.coli, shiga toxin-producing (STEC)	5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	14
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	50
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	46
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	10
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	176
Gonorrhea (all stages)	16
Syphilis (all stages)	8

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	302	12
Alcohol-related	32	4
With citation for OWI	9	0
With citation for speeding	26	0
Motorcyclist	26	0
Bicyclist	2	0
Pedestrian	4	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	554
Crude live birth rate (per 1,000)	15.9
General fertility rate (per 1,000)	98.9

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	42	7.6
Other vaginal	396	71.5
Vaginal vacuum	16	2.9
Forceps	3	0.5
Primary cesarean	60	10.8
Repeat cesarean	37	6.7
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	0.2
1-4	85	15.3
5-9	205	37.0
10-12	129	23.3
13+	122	22.0
Unknown	12	2.2
First Prenatal Care Visit		
First trimester	281	50.7
Second trimester	186	33.6
Third trimester	73	13.2
No visits	1	0.2
Unknown	13	2.3

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	446	80.5
Unmarried	106	19.1
Unknown	2	0.4
Education		
Elementary or less	264	47.7
Some high school	33	6.0
High school graduate	102	18.4
Some college	110	19.9
College graduate	45	8.1
Unknown	0	0.0
Smoking		
Smoker	48	8.7
Nonsmoker	506	91.3
Unknown	0	0.4

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	3	0.5
1,500-2,499 gm	22	4.0
2,500+ gm	529	95.5
Unknown	0	0.0
Birth Order		
First	138	24.9
Second	128	23.1
Third	85	15.3
Fourth or higher	203	36.6
Unknown	0	0.0
Reported congenital anomalies [1]	5	0.9

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit — First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	501	90.4	24	4.8	245	48.9	173	34.5	83	16.6
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	1	0.2	0	0.0	1	100.0	0	0.0	0	0.0
Hispanic/Latino	47	8.5	1	2.1	31	66.0	13	27.7	3	6.4
Asian	2	0.4	0	0.0	2	100.0	0	0.0	0	0.0
Two or more races	2	0.4	0	0.0	1	50.0	0	0.0	1	50.0
Other/Unknown	1	0.2	0	0.0	1	100.0	0	0.0	0	0.0

Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	5	.	0	0.0	4	80.0	1	20.0	0	0.0
18-19	17	.	1	5.9	12	70.6	2	11.8	3	17.6
20-24	146	163.7	13	8.9	73	50.0	50	34.2	23	15.8
25-29	171	201.9	4	2.3	88	51.5	61	35.7	22	12.9
30-34	124	135.7	4	3.2	69	55.6	38	30.6	17	13.7
35-39	74	82.4	3	4.1	31	41.9	25	33.8	18	24.3
40+	17	.	0	0.0	4	23.5	9	52.9	4	23.5
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	22	18.2								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	5	.
Neonatal	2	.
Fetal	3	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	3	.
Neonatal	2	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	1	.
1,500-2,499 gm	0	.
2,500+ gm	2	.
Unknown	0	.
Race of Mother		
White	3	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	345	
Crude death rate (per 100,000)	989.3	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	0	.
15-19	2	.
20-34	9	.
35-54	17	.
55-64	33	714.7
65-74	68	2,123.0
75-84	88	5,025.7
85+	124	13,094.0
Selected Underlying Causes		
Heart disease (total)	83	238.0
Ischemic heart disease	49	140.5
Cancer (total)	89	255.2
Trachea/Bronchus/Lung	21	60.2
Colorectal	7	.
Female breast*	6	.
Cerebrovascular disease	13	.
Lower respiratory disease	16	.
Pneumonia and influenza	1	.
Accidents	24	68.8
Motor vehicle	11	.
Diabetes	19	.
Infectious/Parasitic diseases	5	.
Suicide	4	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	12	.
Opioids	2	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	3,535	101.4	4.2	$31,278	$3,171
Age					
<18	624	61.9	3.6	$19,811	$1,226
18-44	680	66.1	3.3	$19,583	$1,294
45-64	740	86.1	4.4	$38,590	$3,324
65+	1,491	252.7	4.7	$37,782	$9,546

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	25	0.7	3.3	$11,758	$8
18-44	7	.	0.0	$0	$0
45-64	18	.	0.0	$0	$0
Drug-related					
Total	18	.	0.0	$0	$0
18-44	12	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	124	3.6	9.6	$15,413	$55
<18	24	2.4	6.4	$11,693	$28
18-44	60	5.8	8.5	$12,974	$76
45-64	29	3.4	12.4	$19,158	$65
65+	11	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	144	4.1	6.2	$52,657	$217
18-44	10	.	0.0	$0	$0
45-64	42	4.9	6.9	$60,413	$295
65+	84	14.2	5.8	$46,491	$662
Neoplasms: Female Breast (rates for female population)					
Total	3	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	15	.	0.0	$0	$0
65+	11	.	0.0	$0	$0
Neoplasms: Lung					
Total	21	0.6	7.3	$59,155	$36

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	64	1.8	5.7	$42,302	$78
65+	17	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	143	4.1	3.7	$62,384	$256
45-64	43	5.0	3.4	$63,025	$315
65+	95	16.1	3.9	$62,876	$1,012
Cerebrovascular Disease					
Total	80	2.3	5.2	$43,709	$100
45-64	20	2.3	3.7	$39,497	$92
65+	58	9.8	5.2	$44,513	$438
CHRONIC PULMONARY DISEASE					
Asthma					
Total	6	.	0.0	$0	$0
<18	5	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	0	.	0.0	$0	$0
65+	1	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	56	1.6	3.5	$19,859	$32
45-64	17	.	0.0	$0	$0
65+	38	6.4	3.6	$20,017	$129
PNEUMONIA and INFLUENZA					
Total	104	3.0	4.3	$23,991	$72
<18	10	.	0.0	$0	$0
45-64	15	.	0.0	$0	$0
65+	71	12.0	4.2	$22,480	$270

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

👥 Population (2017 data)

Clark County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		34,872
County population rank (1-72)		41
Population per square mile		29
County rank in population density (1-72)		55
Population growth 2013-2017		195
County rank in 5-year population growth (1-72)		29

	Female	Male	Total
Total	17,051	17,821	34,872
Age			
0-14	4,173	4,369	8,542
15-17	721	824	1,545
18-19	490	530	1,020
20-24	892	1,011	1,903
25-44	3,501	3,868	7,369
45-64	4,167	4,425	8,592
65-84	2,522	2,432	4,954
85+	585	362	947
Race/Ethnicity			
White	15,979	16,591	32,570
African American	108	148	256
American Indian	94	92	186
Hispanic	758	926	1,684
Asian	112	64	176

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	11.8%	4.6%
Ages 0-17	18.7%	10.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$36,714

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	18,016
Unemployment rate	3.1%
Five-year avg. unemployment rate (2013-2017)	4.8%
Median household income	$49,718
Rank in median household income (1-72)	53

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	22	128.9	122.1	74.2	188.9
Melanoma	9	26.0	21.6	9.6	42.5
Colorectal	12	34.7	30.5	15.3	54.8
Lung and bronchus	29	83.9	67.8	44.9	98.9
Prostate*	22	125.8	99.9	62.0	154.0
Total	184	532.4	442.2	378.4	514.1

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	<5
Blastomycosis	0
Campylobacter enteritis	19
Cryptosporidiosis	8
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	0
Giardiasis	<5
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	30
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	10
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	7
Salmonellosis	9
Streptococcal disease (Group A)	0
Streptococcal disease (Group B)	5
Sexually Transmitted Disease	
Chlamydia trachomatis	85
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	169	7
Alcohol-related	16	3
With citation for OWI	5	0
With citation for speeding	10	0
Motorcyclist	4	0
Bicyclist	0	0
Pedestrian	1	1

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Births (2017 data)　　　　　　　　　　　　　　　　　　　　　　　　　　**Columbia County**

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	602
Crude live birth rate (per 1,000)	10.5
General fertility rate (per 1,000)	63.8

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	20	3.3
Other vaginal	393	65.3
Vaginal vacuum	15	2.5
Forceps	6	1.0
Primary cesarean	92	15.3
Repeat cesarean	76	12.6
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	0.2
1-4	5	0.8
5-9	97	16.1
10-12	220	36.5
13+	252	41.9
Unknown	27	4.5
First Prenatal Care Visit		
First trimester	467	77.6
Second trimester	89	14.8
Third trimester	23	3.8
No visits	1	0.2
Unknown	22	3.7

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	411	68.3
Unmarried	188	31.2
Unknown	3	0.5
Education		
Elementary or less	35	5.8
Some high school	18	3.0
High school graduate	153	25.4
Some college	196	32.6
College graduate	197	32.7
Unknown	3	0.5
Smoking		
Smoker	72	12.0
Nonsmoker	529	87.9
Unknown	1	0.5

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	4	0.7
1,500-2,499 gm	32	5.3
2,500+ gm	566	94.0
Unknown	0	0.0
Birth Order		
First	204	33.9
Second	212	35.2
Third	99	16.4
Fourth or higher	86	14.3
Unknown	1	0.2
Reported congenital anomalies [1]	3	0.5

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES　　　　　　　　　　　**Trimester of First Prenatal Visit**

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	558	92.7	28	5.0	436	78.1	82	14.7	40	7.2
Black/African-American	5	0.8	1	20.0	4	80.0	0	0.0	1	20.0
American Indian	1	0.2	0	0.0	1	100.0	0	0.0	0	0.0
Hispanic/Latino	26	4.3	4	15.4	19	73.1	4	15.4	3	11.5
Asian	3	0.5	0	0.0	2	66.7	0	0.0	1	33.3
Two or more races	8	1.3	3	37.5	4	50.0	3	37.5	1	12.5
Other/Unknown	1	0.2	0	0.0	1	100.0	0	0.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	2	.	0	0.0	2	100.0	0	0.0	0	0.0
18-19	15	.	2	13.3	9	60.0	3	20.0	3	20.0
20-24	84	62.3	3	3.6	62	73.8	17	20.2	5	6.0
25-29	236	170.4	12	5.1	183	77.5	33	14.0	20	8.5
30-34	184	115.9	11	6.0	148	80.4	25	13.6	11	6.0
35-39	66	37.5	7	10.6	54	81.8	7	10.6	5	7.6
40+	15	.	1	6.7	9	60.0	4	26.7	2	13.3
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	17	9.9								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY	Deaths	Rate (per 1,000)
Total perinatal mortality	5	.
Neonatal	0	.
Fetal	5	.

INFANT MORTALITY	Deaths	Rate (per 1,000)
Total infant mortality	2	.
Neonatal	0	.
Postneonatal	2	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	1	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	2	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS		
Total deaths	532	
Crude death rate (per 100,000)	931.2	

CHILD AND ADULT MORTALITY		Rate
Age	Deaths	(per 100,000)
1-4	1	.
5-14	0	.
15-19	2	.
20-34	12	.
35-54	37	239.1
55-64	53	615.0
65-74	95	1,625.6
75-84	119	4,168.1
85+	211	16,510.2
Selected Underlying Causes		
Heart disease (total)	128	224.1
Ischemic heart disease	57	99.8
Cancer (total)	111	194.3
Trachea/Bronchus/Lung	20	35.0
Colorectal	6	.
Female breast*	6	.
Cerebrovascular disease	26	45.5
Lower respiratory disease	27	47.3
Pneumonia and influenza	11	.
Accidents	47	82.3
Motor vehicle	13	.
Diabetes	12	.
Infectious/Parasitic diseases	9	.
Suicide	7	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	28	49.1
Opioids	10	.
Other drugs	2	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	6,657	116.5	3.9	$34,425	$4,011
Age					
<18	976	79.3	3.6	$19,862	$1,576
18-44	1,414	78.5	3.4	$23,714	$1,862
45-64	1,583	94.0	4.0	$44,208	$4,154
65+	2,684	269.0	4.3	$39,593	$10,651

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	84	1.5	3.7	$20,548	$30
18-44	31	1.7	3.0	$12,095	$21
45-64	46	2.7	4.0	$24,737	$68
Drug-related					
Total	61	1.1	3.0	$23,753	$25
18-44	37	2.1	2.3	$21,594	$44
MENTAL HEALTH DISORDERS					
Total	395	6.9	6.8	$17,029	$118
<18	90	7.3	7.4	$20,250	$148
18-44	207	11.5	5.8	$13,064	$150
45-64	75	4.5	8.6	$21,495	$96
65+	23	2.3	8.4	$25,541	$59
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	259	4.5	5.8	$66,281	$300
18-44	10	.	0.0	$0	$0
45-64	95	5.6	5.0	$72,442	$409
65+	152	15.2	6.3	$61,260	$933
Neoplasms: Female Breast (rates for female population)					
Total	6	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	21	0.4	5.5	$52,851	$19
65+	13	.	0.0	$0	$0
Neoplasms: Lung					
Total	22	0.4	5.1	$52,974	$20

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	111	1.9	3.9	$33,630	$65
65+	43	4.3	5.7	$49,631	$214
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	183	3.2	3.9	$75,434	$242
45-64	73	4.3	3.3	$73,849	$320
65+	102	10.2	4.6	$79,745	$815
Cerebrovascular Disease					
Total	153	2.7	5.5	$53,975	$145
45-64	37	2.2	6.7	$78,648	$173
65+	107	10.7	5.3	$45,745	$491
CHRONIC PULMONARY DISEASE					
Asthma					
Total	15	.	0.0	$0	$0
<18	6	.	0.0	$0	$0
18-44	5	.	0.0	$0	$0
45-64	3	.	0.0	$0	$0
65+	1	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	138	2.4	3.4	$23,109	$56
45-64	43	2.6	3.1	$24,182	$62
65+	94	9.4	3.6	$22,706	$214
PNEUMONIA and INFLUENZA					
Total	209	3.7	3.8	$23,590	$86
<18	7	.	0.0	$0	$0
45-64	35	2.1	4.0	$27,881	$58
65+	160	16.0	3.8	$21,717	$348

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			57,128
County population rank (1-72)			26
Population per square mile			75
County rank in population density (1-72)			26
Population growth 2013-2017			375
County rank in 5-year population growth (1-72)			23

	Female	Male	Total
Total	27,900	29,228	57,128
Age			
0-14	4,945	5,200	10,145
15-17	1,037	1,119	2,156
18-19	679	745	1,424
20-24	1,348	1,572	2,920
25-44	6,367	7,293	13,660
45-64	8,215	8,631	16,846
65-84	4,478	4,221	8,699
85+	831	447	1,278
Race/Ethnicity			
White	26,353	26,959	53,312
African American	295	788	1,083
American Indian	155	178	333
Hispanic	820	1,100	1,920
Asian	277	203	480

POVERTY ESTIMATES	Estimate (%)	(CI +/-)
All ages	7.6%	2.8%
Ages 0-17	10%	4.8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$39,869

LABOR FORCE ESTIMATES	Annual Average
Civilian labor force	31,801
Unemployment rate	3%
Five-year avg. unemployment rate (2013-2017)	4.56%
Median household income	$65,931
Rank in median household income (1-72)	9

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	56	201.2	164.0	121.8	216.5
Melanoma	14	24.6	17.6	9.5	30.6
Colorectal	26	45.7	34.0	21.9	51.1
Lung and bronchus	36	63.3	46.8	32.4	65.9
Prostate*	31	106.7	77.4	51.7	112.6
Total	331	581.8	456.2	406.6	510.5

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	0
Babesiosis	<5
Blastomycosis	0
Campylobacter enteritis	21
Cryptosporidiosis	5
E.coli, shiga toxin-producing (STEC)	5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	6
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	48
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	27
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	5
Mumps	0
Pertussis	0
Salmonellosis	14
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	6
Sexually Transmitted Disease	
Chlamydia trachomatis	166
Gonorrhea (all stages)	18
Syphilis (all stages)	<5

Motor Vehicle Crashes (2017 data)

Columbia County

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	394	6
Alcohol-related	42	1
With citation for OWI	24	0
With citation for speeding	55	0
Motorcyclist	27	2
Bicyclist	3	0
Pedestrian	10	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS
Total live births	150
Crude live birth rate (per 1,000)	9.0
General fertility rate (per 1,000)	65.8

PREGNANCY CHARACTERISTICS
Delivery Type	Births	%
Vaginal after prev. cesarean	3	2.0
Other vaginal	94	62.7
Vaginal vacuum	8	5.3
Forceps	0	0.0
Primary cesarean	25	16.7
Repeat cesarean	19	12.7
Cesarean (unk. repeat/primary)	1	0.7
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	0	0.0
1-4	13	8.7
5-9	29	19.3
10-12	49	32.7
13+	57	38.0
Unknown	2	1.3
First Prenatal Care Visit		
First trimester	100	66.7
Second trimester	37	24.7
Third trimester	10	6.7
No visits	0	0.0
Unknown	3	2.0

MATERNAL CHARACTERISTICS
Marital Status	Births	%
Married	97	64.7
Unmarried	52	34.7
Unknown	1	0.7
Education		
Elementary or less	14	9.3
Some high school	3	2.0
High school graduate	50	33.3
Some college	47	31.3
College graduate	35	23.3
Unknown	1	0.7
Smoking		
Smoker	25	16.7
Nonsmoker	125	83.3
Unknown	0	0.7

INFANT CHARACTERISTICS
Birthweight	Births	%
< 1,500 gm	6	4.0
1,500-2,499 gm	10	6.7
2,500+ gm	134	89.3
Unknown	0	0.0
Birth Order		
First	50	33.3
Second	43	28.7
Third	21	14.0
Fourth or higher	36	24.0
Unknown	0	0.0
Reported congenital anomalies [1]	1	0.7

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

| | All Births | | LBW | | Trimester of First Prenatal Visit | | | | | |
| | | | | | First | | Second | | Other/Unk. | |
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	140	93.3	15	10.7	95	67.9	32	22.9	13	9.3
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	1	0.7	0	0.0	1	100.0	0	0.0	0	0.0
Hispanic/Latino	5	3.3	0	0.0	2	40.0	3	60.0	0	0.0
Asian	3	2.0	0	0.0	1	33.3	2	66.7	0	0.0
Two or more races	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other/Unknown	1	0.7	1	100.0	1	100.0	0	0.0	0	0.0

| | | Fertility | | | | | | | | |
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	1	.	0	0.0	0	0.0	0	0.0	1	100.0
18-19	6	.	0	0.0	6	100.0	0	0.0	0	0.0
20-24	29	83.1	5	17.2	22	75.9	5	17.2	2	6.9
25-29	49	138.8	4	8.2	30	61.2	16	32.7	3	6.1
30-34	43	109.7	3	7.0	26	60.5	13	30.2	4	9.3
35-39	13	.	1	7.7	8	61.5	2	15.4	3	23.1
40+	9	.	3	33.3	8	88.9	1	11.1	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	7	16.2								

DEFINITIONS
Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES
Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES
[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	4	.
Neonatal	2	.
Fetal	2	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	2	.
Neonatal	2	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	2	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	2	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	183	
Crude death rate (per 100,000)	1,103.7	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	0	.
15-19	0	.
20-34	5	.
35-54	9	.
55-64	17	.
65-74	41	1,769.5
75-84	45	4,102.1
85+	63	14,350.8
Selected Underlying Causes		
Heart disease (total)	39	235.2
Ischemic heart disease	23	138.7
Cancer (total)	42	253.3
Trachea/Bronchus/Lung	15	.
Colorectal	5	.
Female breast*	0	.
Cerebrovascular disease	8	.
Lower respiratory disease	16	.
Pneumonia and influenza	6	.
Accidents	9	.
Motor vehicle	1	.
Diabetes	5	.
Infectious/Parasitic diseases	4	.
Suicide	2	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	5	.
Opioids	2	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	1,727	104.2	3.9	$30,670	$3,194
Age					
<18	184	56.2	3.8	$23,885	$1,342
18-44	285	63.7	3.2	$21,230	$1,352
45-64	405	81.3	4.2	$38,575	$3,138
65+	853	221.4	4.0	$31,534	$6,981

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	13	.	0.0	$0	$0
18-44	3	.	0.0	$0	$0
45-64	7	.	0.0	$0	$0
Drug-related					
Total	11	.	0.0	$0	$0
18-44	5	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	72	4.3	6.1	$12,697	$55
<18	15	.	0.0	$0	$0
18-44	41	9.2	4.2	$8,599	$79
45-64	9	.	0.0	$0	$0
65+	7	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	57	3.4	6.1	$67,277	$231
18-44	1	.	0.0	$0	$0
45-64	27	5.4	5.0	$65,192	$354
65+	29	7.5	6.3	$65,645	$494
Neoplasms: Female Breast (rates for female population)					
Total	1	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	2	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Neoplasms: Lung					
Total	6	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	21	1.3	3.5	$23,327	$30
65+	5	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	62	3.7	3.4	$41,694	$156
45-64	11	.	0.0	$0	$0
65+	48	12.5	3.7	$41,643	$519
Cerebrovascular Disease					
Total	34	2.1	3.8	$26,581	$55
45-64	7	.	0.0	$0	$0
65+	26	6.7	4.5	$27,522	$186
CHRONIC PULMONARY DISEASE					
Asthma					
Total	7	.	0.0	$0	$0
<18	2	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	1	.	0.0	$0	$0
65+	4	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	53	3.2	3.5	$20,704	$66
45-64	26	5.2	3.8	$22,421	$117
65+	26	6.7	3.3	$18,954	$128
PNEUMONIA and INFLUENZA					
Total	82	4.9	3.5	$18,861	$93
<18	2	.	0.0	$0	$0
45-64	13	.	0.0	$0	$0
65+	64	16.6	3.5	$18,679	$310

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			16,581
County population rank (1-72)			59
Population per square mile			29
County rank in population density (1-72)			54
Population growth 2013-2017			19
County rank in 5-year population growth (1-72)			45

	Female	Male	Total
Total	7,964	8,617	16,581
Age			
0-14	1,314	1,392	2,706
15-17	256	313	569
18-19	176	202	378
20-24	349	406	755
25-44	1,498	1,843	3,341
45-64	2,369	2,610	4,979
65-84	1,718	1,696	3,414
85+	284	155	439
Race/Ethnicity			
White	7,693	8,085	15,778
African American	78	306	385
American Indian	17	31	49
Hispanic	106	148	254
Asian	69	46	115

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	12.4%	5.4%
Ages 0-17	18.4%	9.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$34,836

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	7,904
Unemployment rate	4.2%
Five-year avg. unemployment rate (2013-2017)	6.06%
Median household income	$47,341
Rank in median household income (1-72)	60

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer (2016 data)

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	20	255.1	176.0	100.4	290.8
Melanoma	8	49.1	31.8	13.5	68.2
Colorectal	8	49.1	34.7	13.7	75.2
Lung and bronchus	13	79.9	48.2	25.3	88.2
Prostate*	11	130.3	78.5	38.5	151.5
Total	109	669.5	456.2	368.5	560.4

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.
Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.
Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.
Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.
Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.
Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.
Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	7
Cryptosporidiosis	6
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	0
Giardiasis	<5
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	18
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	8
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	<5
Streptococcal disease (Group A)	0
Streptococcal disease (Group B)	0
Sexually Transmitted Disease	
Chlamydia trachomatis	40
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	98	1
Alcohol-related	9	0
With citation for OWI	1	0
With citation for speeding	4	0
Motorcyclist	18	0
Bicyclist	3	0
Pedestrian	0	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	4,395	74.6
Unmarried	1,484	25.2
Unknown	12	0.2
Education		
Elementary or less	104	1.8
Some high school	229	3.9
High school graduate	830	14.1
Some college	1,196	20.3
College graduate	3,511	59.6
Unknown	21	0.4
Smoking		
Smoker	293	5.0
Nonsmoker	5,554	94.3
Unknown	44	0.2

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	5,891
Crude live birth rate (per 1,000)	11.3
General fertility rate (per 1,000)	51.8

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	188	3.2
Other vaginal	3,919	66.5
Vaginal vacuum	194	3.3
Forceps	74	1.3
Primary cesarean	889	15.1
Repeat cesarean	625	10.6
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	2	0.0
Prenatal Care Visits		
No visits	11	0.2
1-4	83	1.4
5-9	630	10.7
10-12	1,999	33.9
13+	3,062	52.0
Unknown	106	1.8
First Prenatal Care Visit		
First trimester	4,907	83.3
Second trimester	651	11.1
Third trimester	233	4.0
No visits	11	0.2
Unknown	89	1.5

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	61	1.0
1,500-2,499 gm	353	6.0
2,500+ gm	5,476	93.0
Unknown	1	0.0
Birth Order		
First	2,385	40.5
Second	2,016	34.2
Third	872	14.8
Fourth or higher	526	8.9
Unknown	92	1.6
Reported congenital anomalies [1]	45	0.8

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	4,172	70.8	254	6.1	3,585	85.9	391	9.4	196	4.7
Black/African-American	511	8.7	63	12.3	364	71.2	99	19.4	48	9.4
American Indian	12	0.2	0	0.0	7	58.3	3	25.0	2	16.7
Hispanic/Latino	493	8.4	41	8.3	407	82.6	57	11.6	29	5.9
Asian	501	8.5	38	7.6	391	78.0	76	15.2	34	6.8
Two or more races	158	2.7	12	7.6	129	81.6	17	10.8	12	7.6
Other/Unknown	44	0.7	6	13.6	24	54.5	8	18.2	12	27.3
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	31	3.3	3	9.7	18	58.1	9	29.0	4	12.9
18-19	92	15.0	14	15.2	58	63.0	24	26.1	10	10.9
20-24	590	23.6	56	9.5	429	72.7	109	18.5	52	8.8
25-29	1,530	79.0	92	6.0	1,266	82.7	180	11.8	84	5.5
30-34	2,367	123.8	141	6.0	2,049	86.6	211	8.9	107	4.5
35-39	1,084	57.8	85	7.8	923	85.1	100	9.2	61	5.6
40+	197	12.5	23	11.7	164	83.2	18	9.1	15	7.6
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	123	7.9								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	39	6.6
Neonatal	17	.
Fetal	22	3.7

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	23	3.9
Neonatal	17	.
Postneonatal	6	.
Birthweight		
< 1,500 gm	14	.
1,500-2,499 gm	3	.
2,500+ gm	5	.
Unknown	1	.
Race of Mother		
White	12	.
Black	4	.
Hispanic	4	.
Asian	3	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	3,369
Crude death rate (per 100,000)	645.2

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	2	.
5-14	8	.
15-19	10	.
20-34	112	86.0
35-54	267	198.7
55-64	378	588.6
65-74	551	1,291.2
75-84	708	3,898.2
85+	1,310	14,807.3
Selected Underlying Causes		
Heart disease (total)	656	125.6
Ischemic heart disease	363	69.5
Cancer (total)	744	142.5
Trachea/Bronchus/Lung	146	28.0
Colorectal	48	9.2
Female breast*	64	12.3
Cerebrovascular disease	164	31.4
Lower respiratory disease	134	25.7
Pneumonia and influenza	67	12.8
Accidents	309	59.2
Motor vehicle	38	7.3
Diabetes	76	14.6
Infectious/Parasitic diseases	56	10.7
Suicide	70	13.4
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	189	36.2
Opioids	88	16.9
Other drugs	20	3.8

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatal, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	46,811	89.6	4.1	$35,777	$3,207
Age					
<18	8,490	76.2	3.7	$21,264	$1,620
18-44	12,586	59.4	3.5	$26,196	$1,557
45-64	10,246	79.3	4.4	$45,946	$3,642
65+	15,489	222.3	4.7	$44,789	$9,956

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	820	1.6	3.9	$25,409	$40
18-44	337	1.6	3.1	$18,994	$30
45-64	410	3.2	4.2	$28,569	$91
Drug-related					
Total	510	1.0	2.7	$23,408	$23
18-44	248	1.2	2.4	$21,246	$25
MENTAL HEALTH DISORDERS					
Total	3,190	6.1	7.0	$20,225	$124
<18	792	7.1	7.3	$24,527	$174
18-44	1,534	7.2	6.3	$16,419	$119
45-64	639	4.9	7.0	$20,137	$100
65+	225	3.2	11.5	$31,285	$101
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	1,446	2.8	5.5	$70,927	$196
18-44	172	0.8	5.5	$82,204	$67
45-64	587	4.5	5.1	$71,061	$323
65+	668	9.6	5.7	$65,597	$629
Neoplasms: Female Breast (rates for female population)					
Total	23	0.1	3.8	$58,893	$5
Neoplasms: Colorectal					
Total	100	0.2	5.3	$54,061	$10
65+	58	0.8	5.7	$55,622	$46
Neoplasms: Lung					
Total	128	0.2	4.9	$51,389	$13

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	679	1.3	4.2	$34,514	$45
65+	192	2.8	5.6	$42,742	$118
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	1,192	2.3	4.1	$74,839	$171
45-64	422	3.3	3.8	$75,365	$246
65+	711	10.2	4.4	$75,689	$772
Cerebrovascular Disease					
Total	966	1.9	6.0	$57,273	$106
45-64	249	1.9	6.0	$63,960	$123
65+	665	9.5	6.0	$52,820	$504
CHRONIC PULMONARY DISEASE					
Asthma					
Total	206	0.4	2.5	$21,522	$8
<18	78	0.7	1.9	$19,221	$13
18-44	55	0.3	3.1	$26,578	$7
45-64	53	0.4	2.5	$19,905	$8
65+	20	0.3	3.1	$20,878	$6
Other Chronic Obstructive Pulmonary Disease					
Total	552	1.1	3.7	$27,674	$29
45-64	171	1.3	3.5	$27,361	$36
65+	373	5.4	3.8	$27,671	$148
PNEUMONIA and INFLUENZA					
Total	839	1.6	4.0	$28,492	$46
<18	78	0.7	3.3	$28,580	$20
45-64	187	1.4	4.3	$32,971	$48
65+	518	7.4	4.1	$27,184	$202

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		522,156
County population rank (1-72)		2
Population per square mile		436
County rank in population density (1-72)		6
Population growth 2013-2017		19,084
County rank in 5-year population growth (1-72)		1

	Female	Male	Total
Total	263,347	258,809	522,156
Age			
0-14	44,921	47,341	92,262
15-17	9,468	9,679	19,147
18-19	6,148	6,091	12,239
20-24	25,049	25,371	50,420
25-44	72,975	76,155	149,130
45-64	66,101	63,175	129,276
65-84	32,826	28,009	60,835
85+	5,859	2,988	8,847
Race/Ethnicity			
White	214,245	207,943	422,188
African American	15,288	15,874	31,162
American Indian	863	871	1,734
Hispanic	16,060	17,741	33,801
Asian	16,891	16,380	33,271

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	11.3%	1.8%
Ages 0-17	9.3%	3.4%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$54,456

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	321,281
Unemployment rate	2.4%
Five-year avg. unemployment rate (2013-2017)	3.38%
Median household income	$72,385
Rank in median household income (1-72)	5

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer (2016 data)

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	370	138.8	126.9	113.9	141.0
Melanoma	167	31.5	30.9	26.2	36.1
Colorectal	132	24.9	24.5	20.4	29.3
Lung and bronchus	286	53.9	53.2	47.0	60.0
Prostate*	220	83.4	81.3	70.4	93.3
Total	2,383	449.4	435.6	417.7	454.1

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	<5
Blastomycosis	<5
Campylobacter enteritis	134
Cryptosporidiosis	9
E.coli, shiga toxin-producing (STEC)	22
Ehrlichiosis/Anaplasmosis	26
Giardiasis	79
Haemophilus influenzae, invasive	12
Influenza-associated hospitalization	425
Legionnaires'	15
Listeriosis	<5
Lyme (all stages)	119
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	17
Mumps	<5
Pertussis	18
Salmonellosis	99
Streptococcal disease (Group A)	26
Streptococcal disease (Group B)	29
Sexually Transmitted Disease	
Chlamydia trachomatis	2,618
Gonorrhea (all stages)	599
Syphilis (all stages)	73

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	3,390	31
Alcohol-related	255	4
With citation for OWI	152	1
With citation for speeding	288	0
Motorcyclist	135	5
Bicyclist	127	0
Pedestrian	123	5

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	758
Crude live birth rate (per 1,000)	8.5
General fertility rate (per 1,000)	54.3

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	17	2.2
Other vaginal	519	68.5
Vaginal vacuum	32	4.2
Forceps	5	0.7
Primary cesarean	109	14.4
Repeat cesarean	71	9.4
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	5	0.7
Prenatal Care Visits		
No visits	3	0.4
1-4	10	1.3
5-9	106	14.0
10-12	234	30.9
13+	341	45.0
Unknown	64	8.4
First Prenatal Care Visit		
First trimester	598	78.9
Second trimester	110	14.5
Third trimester	24	3.2
No visits	3	0.4
Unknown	23	3.0

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	519	68.5
Unmarried	238	31.4
Unknown	1	0.1
Education		
Elementary or less	9	1.2
Some high school	46	6.1
High school graduate	216	28.5
Some college	283	37.3
College graduate	204	26.9
Unknown	0	0.0
Smoking		
Smoker	117	15.4
Nonsmoker	638	84.2
Unknown	3	0.1

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	9	1.2
1,500-2,499 gm	43	5.7
2,500+ gm	706	93.1
Unknown	0	0.0
Birth Order		
First	254	33.5
Second	254	33.5
Third	130	17.2
Fourth or higher	115	15.2
Unknown	5	0.7
Reported congenital anomalies [1]	6	0.8

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	674	88.9	45	6.7	548	81.3	84	12.5	42	6.2
Black/African-American	8	1.1	2	25.0	4	50.0	1	12.5	3	37.5
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	61	8.0	3	4.9	37	60.7	20	32.8	4	6.6
Asian	7	0.9	1	14.3	4	57.1	3	42.9	0	0.0
Two or more races	8	1.1	1	12.5	5	62.5	2	25.0	1	12.5
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	4	.	0	0.0	0	0.0	3	75.0	1	25.0
18-19	18	.	2	11.1	9	50.0	7	38.9	2	11.1
20-24	137	67.0	11	8.0	94	68.6	29	21.2	14	10.2
25-29	248	118.9	17	6.9	201	81.0	31	12.5	16	6.5
30-34	237	98.9	12	5.1	201	84.8	23	9.7	13	5.5
35-39	88	35.0	9	10.2	74	84.1	11	12.5	3	3.4
40+	26	11.1	1	3.8	19	73.1	6	23.1	1	3.8
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	22	8.5								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	3	.
Neonatal	2	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	3	.
Neonatal	2	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	2	.
1,500-2,499 gm	0	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	2	.
Black	1	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	901	
Crude death rate (per 100,000)	1,009.4	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	2	.
15-19	5	.
20-34	18	.
35-54	82	340.3
55-64	89	669.4
65-74	139	1,642.6
75-84	206	4,234.3
85+	357	13,620.8
Selected Underlying Causes		
Heart disease (total)	193	216.2
Ischemic heart disease	105	117.6
Cancer (total)	193	216.2
Trachea/Bronchus/Lung	47	52.7
Colorectal	12	.
Female breast*	9	.
Cerebrovascular disease	45	50.4
Lower respiratory disease	54	60.5
Pneumonia and influenza	29	32.5
Accidents	69	77.3
Motor vehicle	19	.
Diabetes	21	23.5
Infectious/Parasitic diseases	17	.
Suicide	16	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	40	45.1
Opioids	14	.
Other drugs	7	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	8,754	98.1	4.0	$36,333	$3,563
Age					
<18	1,231	68.0	3.6	$17,228	$1,171
18-44	1,798	61.8	3.5	$24,555	$1,517
45-64	2,203	84.4	4.0	$44,072	$3,720
65+	3,522	220.8	4.3	$44,183	$9,757

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	157	1.8	3.9	$19,131	$34
18-44	56	1.9	3.8	$15,074	$29
45-64	90	3.4	4.1	$21,685	$75
Drug-related					
Total	72	0.8	2.6	$21,520	$17
18-44	42	1.4	2.0	$18,164	$26
MENTAL HEALTH DISORDERS					
Total	616	6.9	6.7	$15,775	$109
<18	181	10.0	6.6	$18,592	$186
18-44	295	10.1	6.2	$13,352	$135
45-64	114	4.4	7.6	$16,612	$73
65+	26	1.6	7.7	$19,975	$33
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	258	2.9	5.6	$74,608	$216
18-44	27	0.9	6.1	$85,951	$80
45-64	95	3.6	5.4	$78,442	$286
65+	131	8.2	5.3	$65,835	$541
Neoplasms: Female Breast (rates for female population)					
Total	4	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	19	.	0.0	$0	$0
65+	18	.	0.0	$0	$0
Neoplasms: Lung					
Total	30	0.3	3.6	$44,444	$15

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	104	1.2	3.7	$31,494	$37
65+	41	2.6	5.0	$37,884	$97
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	317	3.6	3.7	$72,582	$258
45-64	128	4.9	3.2	$69,867	$343
65+	178	11.2	4.2	$75,146	$839
Cerebrovascular Disease					
Total	232	2.6	5.2	$48,272	$125
45-64	69	2.6	3.9	$46,359	$123
65+	152	9.5	6.0	$48,416	$461
CHRONIC PULMONARY DISEASE					
Asthma					
Total	14	.	0.0	$0	$0
<18	7	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
45-64	4	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	185	2.1	3.5	$23,355	$48
45-64	56	2.1	3.3	$24,156	$52
65+	129	8.1	3.6	$23,007	$186
PNEUMONIA and INFLUENZA					
Total	198	2.2	3.6	$24,631	$55
<18	12	.	0.0	$0	$0
45-64	47	1.8	3.2	$25,547	$46
65+	126	7.9	3.8	$24,505	$194

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			89,259
County population rank (1-72)			17
Population per square mile			102
County rank in population density (1-72)			21
Population growth 2013-2017			452
County rank in 5-year population growth (1-72)			19

	Female	Male	Total
Total	42,222	47,037	89,259
Age			
0-14	7,267	7,656	14,923
15-17	1,533	1,655	3,188
18-19	1,047	1,117	2,164
20-24	2,045	2,567	4,612
25-44	9,342	12,985	22,327
45-64	12,279	13,818	26,097
65-84	6,969	6,358	13,327
85+	1,740	881	2,621
Race/Ethnicity			
White	39,370	41,400	80,769
African American	433	2,600	3,034
American Indian	178	293	471
Hispanic	1,916	2,403	4,319
Asian	326	340	666

POVERTY ESTIMATES	Estimate (%)	(CI +/-)
All ages	8.6%	2.6%
Ages 0-17	10%	4.4%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$44,296

LABOR FORCE ESTIMATES	Annual Average
Civilian labor force	48,536
Unemployment rate	2.9%
Five-year avg. unemployment rate (2013-2017)	4.64%
Median household income	$57,862
Rank in median household income (1-72)	25

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	57	138.1	104.7	78.3	137.8
Melanoma	24	27.5	23.8	14.9	36.2
Colorectal	29	33.2	25.7	17.0	37.7
Lung and bronchus	72	82.4	61.0	47.5	77.6
Prostate*	52	112.6	88.0	65.2	116.9
Total	461	527.3	402.8	365.8	442.7

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	<5
Campylobacter enteritis	28
Cryptosporidiosis	16
E.coli, shiga toxin-producing (STEC)	5
Ehrlichiosis/Anaplasmosis	5
Giardiasis	6
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	59
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	18
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	<5
Salmonellosis	27
Streptococcal disease (Group A)	5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	354
Gonorrhea (all stages)	21
Syphilis (all stages)	7

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	442	20
Alcohol-related	39	7
With citation for OWI	27	1
With citation for speeding	29	0
Motorcyclist	24	3
Bicyclist	12	0
Pedestrian	6	1

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Births (2017 data)   **Door County**

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS
Total live births	217
Crude live birth rate (per 1,000)	7.8
General fertility rate (per 1,000)	59.2

PREGNANCY CHARACTERISTICS
Delivery Type	Births	%
Vaginal after prev. cesarean	1	0.5
Other vaginal	138	63.6
Vaginal vacuum	11	5.1
Forceps	1	0.5
Primary cesarean	42	19.4
Repeat cesarean	24	11.1
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	2	0.9
1-4	0	0.0
5-9	25	11.5
10-12	56	25.8
13+	128	59.0
Unknown	6	2.8
First Prenatal Care Visit		
First trimester	177	81.6
Second trimester	25	11.5
Third trimester	9	4.1
No visits	2	0.9
Unknown	4	1.8

MATERNAL CHARACTERISTICS
Marital Status	Births	%
Married	142	65.4
Unmarried	74	34.1
Unknown	1	0.5
Education		
Elementary or less	4	1.8
Some high school	7	3.2
High school graduate	54	24.9
Some college	80	36.9
College graduate	72	33.2
Unknown	0	0.0
Smoking		
Smoker	29	13.4
Nonsmoker	187	86.2
Unknown	1	0.5

INFANT CHARACTERISTICS
Birthweight	Births	%
< 1,500 gm	3	1.4
1,500-2,499 gm	21	9.7
2,500+ gm	193	88.9
Unknown	0	0.0
Birth Order		
First	87	40.1
Second	64	29.5
Third	41	18.9
Fourth or higher	25	11.5
Unknown	0	0.0
Reported congenital anomalies [1]	1	0.5

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
White	191	88.0	21	11.0	160	83.8	19	9.9	12	6.3
Black/African-American	1	0.5	0	0.0	0	0.0	0	0.0	1	100.0
American Indian	1	0.5	0	0.0	1	100.0	0	0.0	0	0.0
Hispanic/Latino	16	7.4	2	12.5	10	62.5	4	25.0	2	12.5
Asian	4	1.8	0	0.0	2	50.0	2	50.0	0	0.0
Two or more races	4	1.8	1	25.0	4	100.0	0	0.0	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Age	**Births**	**Fertility (per 1,000)**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	2	.	0	0.0	1	50.0	1	50.0	0	0.0
18-19	2	.	0	0.0	0	0.0	1	50.0	1	50.0
20-24	34	61.4	4	11.8	29	85.3	4	11.8	1	2.9
25-29	66	123.4	5	7.6	55	83.3	8	12.1	3	4.5
30-34	63	101.3	6	9.5	56	88.9	4	6.3	3	4.8
35-39	39	57.9	8	20.5	26	66.7	6	15.4	7	17.9
40+	11	.	1	9.1	10	90.9	1	9.1	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	4	6.1								

Trimester of First Prenatal Visit columns: First, Second, Other/Unk.

DEFINITIONS
Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES
Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES
[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	1	.
Neonatal	1	.
Fetal	0	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	1	.
Neonatal	1	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	1	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	1	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	354
Crude death rate (per 100,000)	1,271.7

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	0	.
20-34	3	.
35-54	8	.
55-64	31	572.0
65-74	66	1,419.4
75-84	96	4,283.8
85+	149	15,282.1
Selected Underlying Causes		
Heart disease (total)	107	384.4
Ischemic heart disease	69	247.9
Cancer (total)	66	237.1
Trachea/Bronchus/Lung	19	.
Colorectal	3	.
Female breast*	7	.
Cerebrovascular disease	22	79.0
Lower respiratory disease	16	.
Pneumonia and influenza	7	.
Accidents	22	79.0
Motor vehicle	2	.
Diabetes	11	.
Infectious/Parasitic diseases	6	.
Suicide	6	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	12	.
Opioids	1	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	2,926	105.1	4.0	$32,942	$3,463
Age					
<18	299	66.8	3.8	$18,225	$1,217
18-44	435	65.7	3.9	$23,194	$1,523
45-64	556	62.7	4.3	$40,962	$2,569
65+	1,636	208.0	4.0	$35,497	$7,383

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	29	1.0	3.5	$14,504	$15
18-44	14	.	0.0	$0	$0
45-64	10	.	0.0	$0	$0
Drug-related					
Total	14	.	0.0	$0	$0
18-44	6	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	138	5.0	8.3	$14,492	$72
<18	18	.	0.0	$0	$0
18-44	81	12.2	7.6	$12,901	$158
45-64	35	3.9	11.0	$17,569	$69
65+	4	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	122	4.4	5.2	$56,783	$249
18-44	3	.	0.0	$0	$0
45-64	36	4.1	4.3	$55,844	$227
65+	82	10.4	5.5	$55,778	$581
Neoplasms: Female Breast (rates for female population)					
Total	5	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	7	.	0.0	$0	$0
65+	5	.	0.0	$0	$0
Neoplasms: Lung					
Total	17	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	36	1.3	3.8	$34,929	$45
65+	17	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	101	3.6	3.6	$63,253	$230
45-64	22	2.5	4.0	$78,465	$195
65+	75	9.5	3.6	$60,015	$572
Cerebrovascular Disease					
Total	139	5.0	4.4	$35,283	$176
45-64	20	2.3	6.3	$51,006	$115
65+	112	14.2	3.8	$27,520	$392
CHRONIC PULMONARY DISEASE					
Asthma					
Total	6	.	0.0	$0	$0
<18	0	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	0	.	0.0	$0	$0
65+	6	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	30	1.1	3.5	$21,041	$23
45-64	2	.	0.0	$0	$0
65+	27	3.4	3.6	$22,070	$76
PNEUMONIA and INFLUENZA					
Total	65	2.3	3.6	$21,735	$51
<18	4	.	0.0	$0	$0
45-64	10	.	0.0	$0	$0
65+	46	5.8	4.0	$22,960	$134

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data) **Door County**

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			27,836
County population rank (1-72)			45
Population per square mile			58
County rank in population density (1-72)			32
Population growth 2013-2017			-110
County rank in 5-year population growth (1-72)			63

	Female	Male	Total
Total	14,119	13,717	27,836
Age			
0-14	1,799	1,899	3,698
15-17	393	388	781
18-19	259	266	525
20-24	554	583	1,137
25-44	2,460	2,504	4,964
45-64	4,478	4,387	8,865
65-84	3,546	3,345	6,891
85+	630	345	975
Race/Ethnicity			
White	13,428	12,967	26,394
African American	110	149	259
American Indian	80	93	173
Hispanic	414	428	843
Asian	87	81	167

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	7.7%	3.2%
Ages 0-17	11.7%	6.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$33,948

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	15,615
Unemployment rate	3.9%
Five-year avg. unemployment rate (2013-2017)	6.74%
Median household income	$59,956
Rank in median household income (1-72)	18

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	27	194.9	97.3	62.2	153.2
Melanoma	11	40.2	19.5	9.7	40.5
Colorectal	26	95.1	52.5	32.6	83.2
Lung and bronchus	23	84.1	40.8	25.7	66.0
Prostate*	26	192.7	94.2	59.7	149.3
Total	228	833.7	437.3	377.6	506.2

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	0
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	6
Cryptosporidiosis	6
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	<5
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	25
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	28
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	<5
Pertussis	0
Salmonellosis	6
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	7
Sexually Transmitted Disease	
Chlamydia trachomatis	46
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	157	1
Alcohol-related	19	0
With citation for OWI	11	0
With citation for speeding	25	0
Motorcyclist	11	0
Bicyclist	9	1
Pedestrian	4	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	413
Crude live birth rate (per 1,000)	9.4
General fertility rate (per 1,000)	51.1

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	13	3.1
Other vaginal	283	68.5
Vaginal vacuum	18	4.4
Forceps	4	1.0
Primary cesarean	51	12.3
Repeat cesarean	42	10.2
Cesarean (unk. repeat/primary)	1	0.2
Other/Unknown	1	0.2
Prenatal Care Visits		
No visits	3	0.7
1-4	3	0.7
5-9	66	16.0
10-12	180	43.6
13+	157	38.0
Unknown	4	1.0
First Prenatal Care Visit		
First trimester	350	84.7
Second trimester	48	11.6
Third trimester	8	1.9
No visits	3	0.7
Unknown	4	1.0

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	251	60.8
Unmarried	162	39.2
Unknown	0	0.0
Education		
Elementary or less	1	0.2
Some high school	32	7.7
High school graduate	80	19.4
Some college	180	43.6
College graduate	110	26.6
Unknown	10	2.4
Smoking		
Smoker	76	18.4
Nonsmoker	336	81.4
Unknown	1	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	4	1.0
1,500-2,499 gm	16	3.9
2,500+ gm	393	95.2
Unknown	0	0.0
Birth Order		
First	168	40.7
Second	140	33.9
Third	64	15.5
Fourth or higher	40	9.7
Unknown	1	0.2
Reported congenital anomalies [1]	3	0.7

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	378	91.5	18	4.8	326	86.2	41	10.8	11	2.9
Black/African-American	11	2.7	0	0.0	9	81.8	0	0.0	2	18.2
American Indian	10	2.4	1	10.0	8	80.0	2	20.0	0	0.0
Hispanic/Latino	5	1.2	1	20.0	2	40.0	3	60.0	0	0.0
Asian	5	1.2	0	0.0	2	40.0	2	40.0	1	20.0
Two or more races	1	0.2	0	0.0	0	0.0	0	0.0	1	100.0
Other/Unknown	3	0.7	0	0.0	3	100.0	0	0.0	0	0.0

Trimester of First Prenatal Visit

		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	1	.	0	0.0	0	0.0	1	100.0	0	0.0
18-19	12	.	0	0.0	11	91.7	1	8.3	0	0.0
20-24	84	64.1	3	3.6	64	76.2	16	19.0	4	4.8
25-29	161	107.9	9	5.6	137	85.1	15	9.3	9	5.6
30-34	114	78.0	7	6.1	100	87.7	12	10.5	2	1.8
35-39	39	29.0	1	2.6	36	92.3	3	7.7	0	0.0
40+	2	.	0	0.0	2	100.0	0	0.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	13	10.1								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	3	.
Neonatal	3	.
Fetal	0	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	3	.
Neonatal	3	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	3	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	3	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	403	
Crude death rate (per 100,000)	914.1	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	1	.
20-34	9	.
35-54	23	213.0
55-64	49	748.5
65-74	80	1,690.6
75-84	104	4,792.6
85+	134	15,141.2
Selected Underlying Causes		
Heart disease (total)	76	172.4
Ischemic heart disease	40	90.7
Cancer (total)	92	208.7
Trachea/Bronchus/Lung	30	68.0
Colorectal	10	.
Female breast*	9	.
Cerebrovascular disease	21	47.6
Lower respiratory disease	29	65.8
Pneumonia and influenza	5	.
Accidents	26	59.0
Motor vehicle	9	.
Diabetes	13	.
Infectious/Parasitic diseases	4	.
Suicide	4	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	17	.
Opioids	2	.
Other drugs	6	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	5,536	125.6	4.5	$31,758	$3,988
Age					
<18	661	71.7	4.0	$19,654	$1,409
18-44	1,131	75.9	3.5	$20,267	$1,538
45-64	1,409	115.8	4.7	$38,259	$4,429
65+	2,335	299.9	5.0	$36,827	$11,043

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	91	2.1	5.3	$24,084	$50
18-44	31	2.1	3.5	$13,538	$28
45-64	49	4.0	6.0	$30,280	$122
Drug-related					
Total	66	1.5	3.2	$18,664	$28
18-44	35	2.3	3.1	$20,576	$48
MENTAL HEALTH DISORDERS					
Total	434	9.8	7.2	$13,787	$136
<18	114	12.4	7.0	$12,924	$160
18-44	184	12.3	5.7	$10,664	$132
45-64	106	8.7	8.3	$16,154	$141
65+	30	3.9	13.2	$27,856	$107
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	183	4.2	6.5	$63,978	$266
18-44	27	1.8	4.4	$52,926	$96
45-64	54	4.4	6.1	$65,976	$293
65+	94	12.1	6.1	$53,872	$650
Neoplasms: Female Breast (rates for female population)					
Total	8	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	12	.	0.0	$0	$0
65+	12	.	0.0	$0	$0
Neoplasms: Lung					
Total	20	0.5	6.3	$48,552	$22

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	102	2.3	4.0	$28,768	$67
65+	26	3.3	4.5	$26,396	$88
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	173	3.9	4.9	$77,178	$303
45-64	65	5.3	4.0	$75,185	$402
65+	98	12.6	5.6	$79,928	$1,006
Cerebrovascular Disease					
Total	167	3.8	6.3	$39,138	$148
45-64	61	5.0	5.3	$36,003	$180
65+	102	13.1	7.0	$38,551	$505
CHRONIC PULMONARY DISEASE					
Asthma					
Total	18	.	0.0	$0	$0
<18	4	.	0.0	$0	$0
18-44	7	.	0.0	$0	$0
45-64	4	.	0.0	$0	$0
65+	3	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	129	2.9	3.5	$18,403	$54
45-64	47	3.9	3.9	$21,157	$82
65+	79	10.1	3.3	$16,968	$172
PNEUMONIA and INFLUENZA					
Total	110	2.5	3.6	$16,095	$40
<18	3	.	0.0	$0	$0
45-64	21	1.7	3.8	$21,211	$37
65+	80	10.3	3.5	$14,358	$148

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			44,086
County population rank (1-72)			33
Population per square mile			34
County rank in population density (1-72)			46
Population growth 2013-2017			-35
County rank in 5-year population growth (1-72)			54

	Female	Male	Total
Total	21,978	22,108	44,086
Age			
0-14	3,783	3,902	7,685
15-17	758	778	1,536
18-19	524	540	1,064
20-24	1,310	1,324	2,634
25-44	5,491	5,718	11,209
45-64	6,061	6,110	12,171
65-84	3,483	3,419	6,902
85+	568	317	885
Race/Ethnicity			
White	20,554	20,518	41,072
African American	320	455	776
American Indian	483	495	978
Hispanic	342	383	725
Asian	279	257	536

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	11.6%	4.4%
Ages 0-17	15.1%	7.8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$39,691

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	23,611
Unemployment rate	4.5%
Five-year avg. unemployment rate (2013-2017)	5.4%
Median household income	$53,091
Rank in median household income (1-72)	43

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	41	189.5	143.3	100.9	198.7
Melanoma	19	43.8	30.4	17.9	49.2
Colorectal	17	39.2	28.7	16.5	47.4
Lung and bronchus	47	108.3	84.5	61.4	114.0
Prostate*	35	160.9	122.7	84.3	174.1
Total	264	608.4	450.8	396.1	511.5

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	13
Babesiosis	<5
Blastomycosis	0
Campylobacter enteritis	6
Cryptosporidiosis	0
E.coli, shiga toxin-producing (STEC)	0
Ehrlichiosis/Anaplasmosis	0
Giardiasis	5
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	19
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	31
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	<5
Streptococcal disease (Group A)	0
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	143
Gonorrhea (all stages)	24
Syphilis (all stages)	0

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	194	2
Alcohol-related	7	0
With citation for OWI	7	0
With citation for speeding	5	0
Motorcyclist	13	0
Bicyclist	2	0
Pedestrian	4	1

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	443
Crude live birth rate (per 1,000)	9.9
General fertility rate (per 1,000)	47.9

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	17	3.8
Other vaginal	292	65.9
Vaginal vacuum	16	3.6
Forceps	3	0.7
Primary cesarean	75	16.9
Repeat cesarean	40	9.0
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	0.2
1-4	10	2.3
5-9	91	20.5
10-12	182	41.1
13+	145	32.7
Unknown	14	3.2
First Prenatal Care Visit		
First trimester	315	71.1
Second trimester	101	22.8
Third trimester	17	3.8
No visits	1	0.2
Unknown	9	2.0

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	297	67.0
Unmarried	146	33.0
Unknown	0	0.0
Education		
Elementary or less	4	0.9
Some high school	16	3.6
High school graduate	136	30.7
Some college	145	32.7
College graduate	142	32.1
Unknown	0	0.0
Smoking		
Smoker	64	14.4
Nonsmoker	378	85.3
Unknown	1	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	4	0.9
1,500-2,499 gm	20	4.5
2,500+ gm	419	94.6
Unknown	0	0.0
Birth Order		
First	146	33.0
Second	135	30.5
Third	100	22.6
Fourth or higher	62	14.0
Unknown	0	0.0
Reported congenital anomalies [1]	2	0.5

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	397	89.6	20	5.0	289	72.8	83	20.9	25	6.3
Black/African-American	2	0.5	0	0.0	2	100.0	0	0.0	0	0.0
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	11	2.5	0	0.0	8	72.7	2	18.2	1	9.1
Asian	26	5.9	3	11.5	14	53.8	12	46.2	0	0.0
Two or more races	5	1.1	1	20.0	1	20.0	3	60.0	1	20.0
Other/Unknown	2	0.5	0	0.0	1	50.0	1	50.0	0	0.0

		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	2	.	0	0.0	1	50.0	1	50.0	0	0.0
18-19	14	.	2	14.3	7	50.0	6	42.9	1	7.1
20-24	84	29.5	2	2.4	52	61.9	22	26.2	10	11.9
25-29	152	130.2	11	7.2	107	70.4	38	25.0	7	4.6
30-34	129	124.8	4	3.1	99	76.7	25	19.4	5	3.9
35-39	53	47.2	4	7.5	44	83.0	6	11.3	3	5.7
40+	9	.	1	11.1	5	55.6	3	33.3	1	11.1
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	16	8.1								

The column groups above the data are: **All Births**, **LBW**, and under **Trimester of First Prenatal Visit**: **First**, **Second**, **Other/Unk.**

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	4	.
Neonatal	3	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	3	.
Neonatal	3	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	3	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	3	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	361	
Crude death rate (per 100,000)	809.3	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	0	.
15-19	1	.
20-34	7	.
35-54	25	254.7
55-64	40	685.2
65-74	72	1,681.1
75-84	93	4,816.2
85+	119	13,709.7
Selected Underlying Causes		
Heart disease (total)	73	163.7
Ischemic heart disease	40	89.7
Cancer (total)	85	190.6
Trachea/Bronchus/Lung	20	44.8
Colorectal	8	.
Female breast*	4	.
Cerebrovascular disease	15	.
Lower respiratory disease	28	62.8
Pneumonia and influenza	10	.
Accidents	15	.
Motor vehicle	4	.
Diabetes	10	.
Infectious/Parasitic diseases	7	.
Suicide	6	.
Alcohol and Drug Abuse as Underlying **or Contributing Cause of Death**		
Alcohol	17	.
Opioids	2	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	3,682	82.5	4.0	$28,158	$2,324
Age					
<18	601	63.2	3.4	$15,271	$965
18-44	917	54.2	3.3	$19,423	$1,053
45-64	851	76.7	4.2	$36,459	$2,797
65+	1,313	185.4	4.5	$34,778	$6,448

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	89	2.0	4.0	$13,002	$26
18-44	26	1.5	3.6	$13,823	$21
45-64	57	5.1	4.0	$12,721	$65
Drug-related					
Total	32	0.7	5.0	$21,952	$16
18-44	12	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	266	6.0	5.8	$11,682	$70
<18	55	5.8	7.6	$14,916	$86
18-44	151	8.9	5.2	$10,052	$90
45-64	49	4.4	4.8	$9,867	$44
65+	11	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	132	3.0	5.4	$55,928	$166
18-44	9	.	0.0	$0	$0
45-64	53	4.8	4.5	$49,885	$238
65+	67	9.5	6.3	$60,367	$571
Neoplasms: Female Breast (rates for female population)					
Total	4	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	16	.	0.0	$0	$0
65+	13	.	0.0	$0	$0
Neoplasms: Lung					
Total	17	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	39	0.9	4.1	$34,854	$30
65+	10	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	91	2.0	4.3	$68,177	$139
45-64	37	3.3	3.6	$61,028	$204
65+	47	6.6	5.1	$74,314	$493
Cerebrovascular Disease					
Total	65	1.5	6.0	$33,630	$49
45-64	14	.	0.0	$0	$0
65+	46	6.5	5.2	$29,409	$191
CHRONIC PULMONARY DISEASE					
Asthma					
Total	15	.	0.0	$0	$0
<18	0	.	0.0	$0	$0
18-44	12	.	0.0	$0	$0
45-64	1	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	94	2.1	3.9	$17,879	$38
45-64	23	2.1	4.2	$20,485	$42
65+	71	10.0	3.8	$17,035	$171
PNEUMONIA and INFLUENZA					
Total	94	2.1	4.0	$18,827	$40
<18	6	.	0.0	$0	$0
45-64	16	.	0.0	$0	$0
65+	58	8.2	4.0	$15,108	$124

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			44,605
County population rank (1-72)			32
Population per square mile			52
County rank in population density (1-72)			35
Population growth 2013-2017			631
County rank in 5-year population growth (1-72)			16

	Female	Male	Total
Total	22,001	22,604	44,605
Age			
0-14	3,510	3,702	7,212
15-17	1,180	1,120	2,300
18-19	789	782	1,571
20-24	2,849	3,242	6,091
25-44	4,425	4,832	9,257
45-64	5,471	5,621	11,092
65-84	3,208	3,006	6,214
85+	569	299	868
Race/Ethnicity			
White	20,690	21,107	41,798
African American	185	284	469
American Indian	99	97	196
Hispanic	366	473	839
Asian	661	642	1,303

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	11.6%	4.6%
Ages 0-17	13.4%	6.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$40,250

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	24,516
Unemployment rate	3.3%
Five-year avg. unemployment rate (2013-2017)	4.7%
Median household income	$58,902
Rank in median household income (1-72)	21

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	30	136.5	113.1	74.7	165.3
Melanoma	11	24.8	20.6	10.1	38.2
Colorectal	15	33.8	29.1	15.9	49.3
Lung and bronchus	18	40.6	33.7	19.7	54.5
Prostate*	18	80.5	65.2	37.9	106.2
Total	181	408.3	344.1	294.5	400.2

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	11
Babesiosis	<5
Blastomycosis	0
Campylobacter enteritis	19
Cryptosporidiosis	13
E.coli, shiga toxin-producing (STEC)	6
Ehrlichiosis/Anaplasmosis	0
Giardiasis	6
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	40
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	37
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	5
Streptococcal disease (Group A)	0
Streptococcal disease (Group B)	0
Sexually Transmitted Disease	
Chlamydia trachomatis	159
Gonorrhea (all stages)	11
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	259	8
Alcohol-related	35	2
With citation for OWI	14	0
With citation for speeding	46	0
Motorcyclist	16	1
Bicyclist	4	0
Pedestrian	8	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	1,191
Crude live birth rate (per 1,000)	11.7
General fertility rate (per 1,000)	52.9

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	39	3.3
Other vaginal	830	69.7
Vaginal vacuum	32	2.7
Forceps	6	0.5
Primary cesarean	180	15.1
Repeat cesarean	104	8.7
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	4	0.3
1-4	56	4.7
5-9	216	18.1
10-12	408	34.3
13+	472	39.6
Unknown	35	2.9
First Prenatal Care Visit		
First trimester	886	74.4
Second trimester	228	19.1
Third trimester	38	3.2
No visits	4	0.3
Unknown	35	2.9

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	810	68.0
Unmarried	379	31.8
Unknown	2	0.2
Education		
Elementary or less	73	6.1
Some high school	43	3.6
High school graduate	258	21.7
Some college	382	32.1
College graduate	434	36.4
Unknown	1	0.1
Smoking		
Smoker	155	13.0
Nonsmoker	1,034	86.8
Unknown	2	0.2

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	13	1.1
1,500-2,499 gm	70	5.9
2,500+ gm	1,107	92.9
Unknown	1	0.1
Birth Order		
First	455	38.2
Second	377	31.7
Third	185	15.5
Fourth or higher	174	14.6
Unknown	0	0.0
Reported congenital anomalies [1]	10	0.8

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES / **Trimester of First Prenatal Visit**

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	1,024	86.0	65	6.3	790	77.1	171	16.7	63	6.2
Black/African-American	24	2.0	4	16.7	11	45.8	8	33.3	5	20.8
American Indian	6	0.5	0	0.0	3	50.0	1	16.7	2	33.3
Hispanic/Latino	29	2.4	3	10.3	17	58.6	10	34.5	2	6.9
Asian	88	7.4	6	6.8	53	60.2	31	35.2	4	4.5
Two or more races	16	1.3	3	18.8	9	56.2	7	43.8	0	0.0
Other/Unknown	4	0.3	2	50.0	3	75.0	0	0.0	1	25.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	1	--	0	0.0	0	0.0	1	100.0	0	0.0
15-17	5	.	1	20.0	5	100.0	0	0.0	0	0.0
18-19	30	17.2	2	6.7	21	70.0	8	26.7	1	3.3
20-24	217	32.4	17	7.8	144	66.4	59	27.2	14	6.5
25-29	421	130.1	21	5.0	325	77.2	75	17.8	21	5.0
30-34	348	119.2	31	8.9	273	78.4	54	15.5	21	6.0
35-39	143	50.0	10	7.0	101	70.6	27	18.9	15	10.5
40+	26	10.4	1	3.8	17	65.4	4	15.4	5	19.2
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	36	8.4								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	7	.
Neonatal	4	.
Fetal	3	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	9	.
Neonatal	4	.
Postneonatal	5	.
Birthweight		
< 1,500 gm	4	.
1,500-2,499 gm	2	.
2,500+ gm	3	.
Unknown	0	.
Race of Mother		
White	7	.
Black	1	.
Hispanic	0	.
Asian	1	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	876	
Crude death rate (per 100,000)	857.6	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	2	.
15-19	3	.
20-34	23	89.1
35-54	66	294.5
55-64	110	883.0
65-74	127	1,341.9
75-84	198	4,443.4
85+	337	15,623.6
Selected Underlying Causes		
Heart disease (total)	189	185.0
Ischemic heart disease	89	87.1
Cancer (total)	166	162.5
Trachea/Bronchus/Lung	42	41.1
Colorectal	11	.
Female breast*	9	.
Cerebrovascular disease	48	47.0
Lower respiratory disease	42	41.1
Pneumonia and influenza	18	.
Accidents	59	57.8
Motor vehicle	12	.
Diabetes	25	24.5
Infectious/Parasitic diseases	11	.
Suicide	17	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	36	35.2
Opioids	6	.
Other drugs	3	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	9,796	95.9	4.2	$30,486	$2,924
Age					
<18	1,628	73.4	3.6	$15,365	$1,128
18-44	2,580	64.5	3.6	$19,231	$1,240
45-64	2,143	89.7	4.7	$41,487	$3,722
65+	3,445	214.3	4.6	$39,218	$8,404

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	295	2.9	4.1	$14,121	$41
18-44	118	2.9	3.3	$8,779	$26
45-64	163	6.8	4.6	$17,137	$117
Drug-related					
Total	103	1.0	4.4	$24,781	$25
18-44	58	1.4	4.2	$20,967	$30
MENTAL HEALTH DISORDERS					
Total	883	8.6	6.2	$12,419	$107
<18	149	6.7	7.5	$14,689	$99
18-44	531	13.3	5.6	$10,550	$140
45-64	167	7.0	6.5	$14,326	$100
65+	36	2.2	8.2	$21,750	$49
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	298	2.9	5.9	$59,956	$175
18-44	23	0.6	5.5	$69,038	$40
45-64	119	5.0	5.9	$65,816	$328
65+	151	9.4	5.9	$51,834	$487
Neoplasms: Female Breast (rates for female population)					
Total	4	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	22	0.2	5.8	$50,250	$11
65+	14	.	0.0	$0	$0
Neoplasms: Lung					
Total	38	0.4	8.3	$73,657	$27

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	116	1.1	4.3	$30,046	$34
65+	28	1.7	5.7	$38,432	$67
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	243	2.4	4.0	$71,920	$171
45-64	95	4.0	4.2	$77,480	$308
65+	139	8.6	4.0	$69,613	$602
Cerebrovascular Disease					
Total	210	2.1	6.5	$46,591	$96
45-64	71	3.0	7.4	$52,990	$158
65+	123	7.7	5.5	$41,292	$316
CHRONIC PULMONARY DISEASE					
Asthma					
Total	36	0.4	3.3	$17,261	$6
<18	4	.	0.0	$0	$0
18-44	14	.	0.0	$0	$0
45-64	9	.	0.0	$0	$0
65+	9	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	235	2.3	3.9	$23,711	$55
45-64	83	3.5	4.0	$25,764	$90
65+	145	9.0	3.9	$22,605	$204
PNEUMONIA and INFLUENZA					
Total	245	2.4	4.1	$24,132	$58
<18	18	.	0.0	$0	$0
45-64	44	1.8	3.8	$24,917	$46
65+	163	10.1	4.4	$24,864	$252

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)   Eau Claire County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			102,146
County population rank (1-72)			16
Population per square mile			160
County rank in population density (1-72)			15
Population growth 2013-2017			1,598
County rank in 5-year population growth (1-72)			5

	Female	Male	Total
Total	52,030	50,116	102,146
Age			
0-14	8,411	8,895	17,306
15-17	2,560	2,308	4,868
18-19	1,749	1,455	3,204
20-24	6,704	6,122	12,826
25-44	11,522	12,456	23,978
45-64	12,165	11,722	23,887
65-84	7,507	6,413	13,920
85+	1,412	745	2,157
Race/Ethnicity			
White	47,664	45,410	93,075
African American	667	898	1,565
American Indian	259	304	562
Hispanic	1,171	1,312	2,483
Asian	2,269	2,193	4,462

POVERTY ESTIMATES	Estimate (%)	(CI +/-)
All ages	14.5%	3.4%
Ages 0-17	14%	6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$43,975

LABOR FORCE ESTIMATES	Annual Average
Civilian labor force	59,452
Unemployment rate	2.9%
Five-year avg. unemployment rate (2013-2017)	4.06%
Median household income	$55,418
Rank in median household income (1-72)	38

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	62	118.7	108.2	81.9	140.3
Melanoma	38	36.9	34.7	24.1	48.3
Colorectal	35	34.0	32.0	22.1	44.9
Lung and bronchus	72	70.0	59.0	46.0	74.9
Prostate*	64	126.3	106.9	81.7	138.0
Total	487	473.3	425.1	387.0	466.0

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	19
Babesiosis	<5
Blastomycosis	0
Campylobacter enteritis	28
Cryptosporidiosis	19
E.coli, shiga toxin-producing (STEC)	11
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	15
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	92
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	50
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	16
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	11
Sexually Transmitted Disease	
Chlamydia trachomatis	506
Gonorrhea (all stages)	63
Syphilis (all stages)	13

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	641	4
Alcohol-related	42	0
With citation for OWI	21	0
With citation for speeding	56	0
Motorcyclist	13	1
Bicyclist	18	0
Pedestrian	15	2

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Births *(2017 data)*   **Florence County**

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	31
Crude live birth rate (per 1,000)	7.0
General fertility rate (per 1,000)	58.5

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	1	3.2
Other vaginal	21	67.7
Vaginal vacuum	0	0.0
Forceps	0	0.0
Primary cesarean	3	9.7
Repeat cesarean	6	19.4
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	0	0.0
1-4	0	0.0
5-9	7	22.6
10-12	9	29.0
13+	15	48.4
Unknown	0	0.0
First Prenatal Care Visit		
First trimester	19	61.3
Second trimester	11	35.5
Third trimester	1	3.2
No visits	0	0.0
Unknown	0	0.0

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	21	67.7
Unmarried	10	32.3
Unknown	0	0.0
Education		
Elementary or less	0	0.0
Some high school	0	0.0
High school graduate	7	22.6
Some college	14	45.2
College graduate	10	32.3
Unknown	0	0.0
Smoking		
Smoker	4	12.9
Nonsmoker	27	87.1
Unknown	0	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	0	0.0
1,500-2,499 gm	0	0.0
2,500+ gm	31	100.0
Unknown	0	0.0
Birth Order		
First	12	38.7
Second	13	41.9
Third	4	12.9
Fourth or higher	2	6.5
Unknown	0	0.0
Reported congenital anomalies [1]	0	0.0

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit — First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	31	100.0	0	0.0	19	61.3	11	35.5	1	3.2
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Asian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Two or more races	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	0	.	0	0.0	0	0.0	0	0.0	0	0.0
18-19	0	.	0	0.0	0	0.0	0	0.0	0	0.0
20-24	3	.	0	0.0	3	100.0	0	0.0	0	0.0
25-29	15	.	0	0.0	8	53.3	6	40.0	1	6.7
30-34	8	.	0	0.0	6	75.0	2	25.0	0	0.0
35-39	4	.	0	0.0	2	50.0	2	50.0	0	0.0
40+	1	.	0	0.0	0	0.0	1	100.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	0	0.0								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Deaths (2017 data)

Florence County

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	0	.
Neonatal	0	.
Fetal	0	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	0	.
Neonatal	0	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	0	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	78	
Crude death rate (per 100,000)	1,757.5	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	0	.
20-34	2	.
35-54	5	.
55-64	7	.
65-74	17	.
75-84	19	.
85+	28	24,347.8
Selected Underlying Causes		
Heart disease (total)	18	.
Ischemic heart disease	10	.
Cancer (total)	25	563.3
Trachea/Bronchus/Lung	8	.
Colorectal	1	.
Female breast*	1	.
Cerebrovascular disease	2	.
Lower respiratory disease	4	.
Pneumonia and influenza	0	.
Accidents	2	.
Motor vehicle	0	.
Diabetes	3	.
Infectious/Parasitic diseases	2	.
Suicide	0	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	2	.
Opioids	1	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	223	50.2	5.3	$51,363	$2,581
Age					
<18	5	.	0.0	$0	$0
18-44	36	36.3	7.6	$51,203	$1,858
45-64	58	35.5	4.0	$46,440	$1,646
65+	124	110.0	5.4	$55,552	$6,112

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	5	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	4	.	0.0	$0	$0
Drug-related					
Total	1	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	24	5.4	9.9	$18,072	$98
<18	1	.	0.0	$0	$0
18-44	20	20.2	8.2	$15,293	$308
45-64	3	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	16	.	0.0	$0	$0
18-44	2	.	0.0	$0	$0
45-64	3	.	0.0	$0	$0
65+	11	.	0.0	$0	$0
Neoplasms: Female Breast (rates for female population)					
Total	0	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	0	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Neoplasms: Lung					
Total	1	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	3	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	18	.	0.0	$0	$0
45-64	6	.	0.0	$0	$0
65+	12	.	0.0	$0	$0
Cerebrovascular Disease					
Total	20	4.5	5.4	$38,045	$171
45-64	6	.	0.0	$0	$0
65+	14	.	0.0	$0	$0
CHRONIC PULMONARY DISEASE					
Asthma					
Total	0	.	0.0	$0	$0
<18	0	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	0	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	0	.	0.0	$0	$0
45-64	0	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
PNEUMONIA and INFLUENZA					
Total	1	.	0.0	$0	$0
<18	0	.	0.0	$0	$0
45-64	1	.	0.0	$0	$0
65+	0	.	0.0	$0	$0

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			4,438
County population rank (1-72)			71
Population per square mile			9
County rank in population density (1-72)			70
Population growth 2013-2017			-8
County rank in 5-year population growth (1-72)			51

	Female	Male	Total
Total	2,157	2,281	4,438
Age			
0-14	277	292	569
15-17	47	67	114
18-19	41	34	75
20-24	84	84	168
25-44	358	391	749
45-64	789	847	1,636
65-84	490	522	1,012
85+	71	44	115
Race/Ethnicity			
White	2,088	2,218	4,306
African American	10	14	24
American Indian	23	21	44
Hispanic	23	19	42
Asian	13	8	21

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	12.1%	5.6%
Ages 0-17	19%	10%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$26,562

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	2,295
Unemployment rate	4.7%
Five-year avg. unemployment rate (2013-2017)	6.6%
Median household income	$50,284
Rank in median household income (1-72)	52

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	^	^	^	^	^
Melanoma	^	^	^	^	^
Colorectal	^	^	^	^	^
Lung and bronchus	^	^	^	^	^
Prostate*	^	^	^	^	^
Total	26	599.9	359.5	213.5	582.5

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	0
Babesiosis	0
Blastomycosis	<5
Campylobacter enteritis	5
Cryptosporidiosis	0
E.coli, shiga toxin-producing (STEC)	0
Ehrlichiosis/Anaplasmosis	0
Giardiasis	<5
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	<5
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	9
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	<5
Salmonellosis	0
Streptococcal disease (Group A)	0
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	11
Gonorrhea (all stages)	0
Syphilis (all stages)	0

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	22	1
Alcohol-related	5	0
With citation for OWI	2	0
With citation for speeding	4	0
Motorcyclist	1	0
Bicyclist	0	0
Pedestrian	0	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	1,066
Crude live birth rate (per 1,000)	10.4
General fertility rate (per 1,000)	57.7

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	30	2.8
Other vaginal	678	63.6
Vaginal vacuum	57	5.3
Forceps	1	0.1
Primary cesarean	179	16.8
Repeat cesarean	120	11.3
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	1	0.1
Prenatal Care Visits		
No visits	6	0.6
1-4	24	2.3
5-9	209	19.6
10-12	467	43.8
13+	328	30.8
Unknown	32	3.0
First Prenatal Care Visit		
First trimester	847	79.5
Second trimester	157	14.7
Third trimester	28	2.6
No visits	6	0.6
Unknown	28	2.6

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	673	63.1
Unmarried	391	36.7
Unknown	2	0.2
Education		
Elementary or less	22	2.1
Some high school	62	5.8
High school graduate	306	28.7
Some college	325	30.5
College graduate	347	32.6
Unknown	4	0.4
Smoking		
Smoker	139	13.0
Nonsmoker	920	86.3
Unknown	7	0.2

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	10	0.9
1,500-2,499 gm	69	6.5
2,500+ gm	987	92.6
Unknown	0	0.0
Birth Order		
First	398	37.3
Second	343	32.2
Third	196	18.4
Fourth or higher	129	12.1
Unknown	0	0.0
Reported congenital anomalies [1]	6	0.6

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
White	892	83.7	68	7.6	731	82.0	123	13.8	38	4.3
Black/African-American	41	3.8	3	7.3	29	70.7	7	17.1	5	12.2
American Indian	3	0.3	0	0.0	3	100.0	0	0.0	0	0.0
Hispanic/Latino	94	8.8	6	6.4	60	63.8	19	20.2	15	16.0
Asian	17	1.6	2	11.8	9	52.9	5	29.4	3	17.6
Two or more races	17	1.6	0	0.0	13	76.5	3	17.6	1	5.9
Other/Unknown	2	0.2	0	0.0	2	100.0	0	0.0	0	0.0
Age	**Births**	**Fertility (per 1,000)**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	7	.	1	14.3	3	42.9	1	14.3	3	42.9
18-19	39	32.4	4	10.3	32	82.1	6	15.4	1	2.6
20-24	194	67.0	10	5.2	140	72.2	41	21.1	13	6.7
25-29	367	114.9	31	8.4	297	80.9	51	13.9	19	5.2
30-34	340	103.6	24	7.1	282	82.9	38	11.2	20	5.9
35-39	101	32.0	9	8.9	79	78.2	17	16.8	5	5.0
40+	18	.	0	0.0	14	77.8	3	16.7	1	5.6
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	46	14.7								

Trimester of First Prenatal Visit columns: First, Second, Other/Unk.

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	10	.
Neonatal	4	.
Fetal	6	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	6	.
Neonatal	4	.
Postneonatal	2	.
Birthweight		
< 1,500 gm	3	.
1,500-2,499 gm	1	.
2,500+ gm	2	.
Unknown	0	.
Race of Mother		
White	6	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	979	
Crude death rate (per 100,000)	951.5	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	2	.
15-19	2	.
20-34	24	128.9
35-54	56	215.8
55-64	103	683.7
65-74	166	1,564.3
75-84	245	4,522.0
85+	374	13,536.0
Selected Underlying Causes		
Heart disease (total)	224	217.7
Ischemic heart disease	122	118.6
Cancer (total)	212	206.0
Trachea/Bronchus/Lung	59	57.3
Colorectal	19	.
Female breast*	14	.
Cerebrovascular disease	58	56.4
Lower respiratory disease	42	40.8
Pneumonia and influenza	20	19.4
Accidents	61	59.3
Motor vehicle	11	.
Diabetes	26	25.3
Infectious/Parasitic diseases	8	.
Suicide	23	22.4
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	42	40.4
Opioids	6	.
Other drugs	2	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	9,737	94.6	4.1	$33,194	$3,141
Age					
<18	1,499	68.6	3.8	$16,442	$1,128
18-44	2,302	69.0	3.4	$18,907	$1,304
45-64	2,292	79.4	4.3	$43,434	$3,447
65+	3,644	193.9	4.5	$42,669	$8,274

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	393	3.8	3.4	$11,551	$44
18-44	144	4.3	2.9	$7,764	$34
45-64	207	7.2	3.6	$13,106	$94
Drug-related					
Total	61	0.6	4.0	$27,264	$16
18-44	27	0.8	3.0	$17,308	$14
MENTAL HEALTH DISORDERS					
Total	898	8.7	5.8	$11,794	$103
<18	215	9.8	6.7	$15,853	$156
18-44	477	14.3	5.1	$9,211	$132
45-64	157	5.4	6.0	$12,139	$66
65+	49	2.6	7.3	$18,029	$47
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	315	3.1	6.1	$77,349	$237
18-44	23	0.7	6.7	$103,798	$72
45-64	125	4.3	5.8	$75,810	$328
65+	164	8.7	6.2	$74,860	$653
Neoplasms: Female Breast (rates for female population)					
Total	3	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	17	.	0.0	$0	$0
65+	10	.	0.0	$0	$0
Neoplasms: Lung					
Total	46	0.4	4.6	$56,261	$25

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	91	0.9	3.7	$27,252	$24
65+	26	1.4	4.2	$26,813	$37
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	336	3.3	3.8	$65,848	$215
45-64	110	3.8	3.8	$71,110	$271
65+	217	11.5	3.9	$64,435	$744
Cerebrovascular Disease					
Total	232	2.3	5.2	$38,983	$88
45-64	52	1.8	5.6	$44,839	$81
65+	173	9.2	5.0	$35,019	$322
CHRONIC PULMONARY DISEASE					
Asthma					
Total	12	.	0.0	$0	$0
<18	1	.	0.0	$0	$0
18-44	3	.	0.0	$0	$0
45-64	6	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	133	1.3	4.4	$25,772	$33
45-64	35	1.2	5.0	$31,392	$38
65+	96	5.1	4.2	$23,818	$122
PNEUMONIA and INFLUENZA					
Total	199	1.9	4.1	$24,207	$47
<18	11	.	0.0	$0	$0
45-64	41	1.4	3.9	$23,711	$34
65+	130	6.9	4.4	$25,352	$175

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

👥 Population (2017 data)   **Fond du Lac County**

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			102,891
County population rank (1-72)			14
Population per square mile			143
County rank in population density (1-72)			18
Population growth 2013-2017			821
County rank in 5-year population growth (1-72)			14

	Female	Male	Total
Total	52,281	50,610	102,891
Age			
0-14	8,750	9,131	17,881
15-17	1,923	2,049	3,972
18-19	1,202	1,409	2,611
20-24	2,894	2,931	5,825
25-44	12,461	12,469	24,930
45-64	14,518	14,361	28,879
65-84	8,662	7,368	16,030
85+	1,871	892	2,763
Race/Ethnicity			
White	47,229	45,630	92,859
African American	1,218	1,000	2,218
American Indian	276	240	516
Hispanic	2,543	2,833	5,377
Asian	1,014	908	1,922

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	8.6%	3.2%
Ages 0-17	11.6%	5.4%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$44,176

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	57,191
Unemployment rate	2.8%
Five-year avg. unemployment rate (2013-2017)	4.28%
Median household income	$61,591
Rank in median household income (1-72)	13

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer (2016 data)

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	97	186.6	145.6	116.8	179.7
Melanoma	29	28.4	22.3	14.6	32.8
Colorectal	61	59.7	44.2	33.5	57.5
Lung and bronchus	63	61.6	43.9	33.5	56.8
Prostate*	97	193.1	142.1	114.3	175.2
Total	670	655.5	500.8	462.3	541.9

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Diseases (2017 data)   Fond du Lac County

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	0
Babesiosis	<5
Blastomycosis	<5
Campylobacter enteritis	30
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	10
Giardiasis	13
Haemophilus influenzae, invasive	7
Influenza-associated hospitalization	40
Legionnaires'	6
Listeriosis	<5
Lyme (all stages)	7
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	5
Mumps	0
Pertussis	<5
Salmonellosis	24
Streptococcal disease (Group A)	10
Streptococcal disease (Group B)	11
Sexually Transmitted Disease	
Chlamydia trachomatis	327
Gonorrhea (all stages)	66
Syphilis (all stages)	6

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	735	11
Alcohol-related	61	3
With citation for OWI	33	0
With citation for speeding	87	0
Motorcyclist	36	0
Bicyclist	24	0
Pedestrian	23	1

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	102
Crude live birth rate (per 1,000)	11.1
General fertility rate (per 1,000)	70.9

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	3	2.9
Other vaginal	68	66.7
Vaginal vacuum	4	3.9
Forceps	0	0.0
Primary cesarean	10	9.8
Repeat cesarean	17	16.7
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	1.0
1-4	4	3.9
5-9	26	25.5
10-12	36	35.3
13+	34	33.3
Unknown	1	1.0
First Prenatal Care Visit		
First trimester	73	71.6
Second trimester	23	22.5
Third trimester	5	4.9
No visits	1	1.0
Unknown	0	0.0

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	44	43.1
Unmarried	58	56.9
Unknown	0	0.0
Education		
Elementary or less	1	1.1
Some high school	11	12.1
High school graduate	41	45.1
Some college	38	41.8
College graduate	0	0.0
Unknown	0	0.0
Smoking		
Smoker	39	38.2
Nonsmoker	62	60.8
Unknown	1	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	1	1.0
1,500-2,499 gm	6	5.9
2,500+ gm	95	93.1
Unknown	0	0.0
Birth Order		
First	35	34.3
Second	23	22.5
Third	23	22.5
Fourth or higher	21	20.6
Unknown	0	0.0
Reported congenital anomalies [1]	2	2.0

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

| | All Births | | LBW | | Trimester of First Prenatal Visit | | | | | |
| | | | | | First | | Second | | Other/Unk. | |
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	62	60.8	4	6.5	48	77.4	13	21.0	1	1.6
Black/African-American	1	1.0	0	0.0	1	100.0	0	0.0	0	0.0
American Indian	25	24.5	3	12.0	16	64.0	6	24.0	3	12.0
Hispanic/Latino	6	5.9	0	0.0	5	83.3	1	16.7	0	0.0
Asian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Two or more races	8	7.8	0	0.0	3	37.5	3	37.5	2	25.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

| | | Fertility | | | | | | | | |
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	2	.	0	0.0	2	100.0	0	0.0	0	0.0
18-19	1	.	0	0.0	0	0.0	1	100.0	0	0.0
20-24	37	155.5	3	8.1	26	70.3	8	21.6	3	8.1
25-29	34	143.5	1	2.9	25	73.5	8	23.5	1	2.9
30-34	19	.	2	10.5	13	68.4	5	26.3	1	5.3
35-39	7	.	1	14.3	6	85.7	1	14.3	0	0.0
40+	2	.	0	0.0	1	50.0	0	0.0	1	50.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	3	11.4								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	1	.
Neonatal	1	.
Fetal	0	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	2	.
Neonatal	1	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	1	.
1,500-2,499 gm	0	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	1	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	1	.

TOTAL DEATHS

Total deaths	115	
Crude death rate (per 100,000)	1,252.5	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	1	.
15-19	1	.
20-34	8	.
35-54	6	.
55-64	12	.
65-74	21	1,813.5
75-84	30	4,545.5
85+	34	13,991.8
Selected Underlying Causes		
Heart disease (total)	27	294.1
Ischemic heart disease	12	.
Cancer (total)	24	261.4
Trachea/Bronchus/Lung	4	.
Colorectal	3	.
Female breast*	0	.
Cerebrovascular disease	2	.
Lower respiratory disease	3	.
Pneumonia and influenza	1	.
Accidents	11	.
Motor vehicle	4	.
Diabetes	6	.
Infectious/Parasitic diseases	0	.
Suicide	0	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	7	.
Opioids	2	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	1,006	109.6	3.9	$30,700	$3,364
Age					
<18	159	85.8	3.5	$17,964	$1,541
18-44	230	89.1	3.6	$23,728	$2,114
45-64	222	82.7	4.3	$39,126	$3,235
65+	395	191.7	4.1	$35,151	$6,737

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	17	.	0.0	$0	$0
18-44	9	.	0.0	$0	$0
45-64	8	.	0.0	$0	$0
Drug-related					
Total	9	.	0.0	$0	$0
18-44	5	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	86	9.4	7.1	$13,893	$130
<18	18	.	0.0	$0	$0
18-44	50	19.4	6.6	$13,014	$252
45-64	15	.	0.0	$0	$0
65+	3	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	23	2.5	5.7	$60,408	$151
18-44	0	.	0.0	$0	$0
45-64	9	.	0.0	$0	$0
65+	14	.	0.0	$0	$0
Neoplasms: Female Breast (rates for female population)					
Total	1	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	2	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Neoplasms: Lung					
Total	1	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	8	.	0.0	$0	$0
65+	3	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	42	4.6	3.6	$60,756	$278
45-64	20	7.4	3.9	$73,733	$549
65+	21	10.2	3.2	$48,225	$491
Cerebrovascular Disease					
Total	33	3.6	4.0	$42,991	$155
45-64	9	.	0.0	$0	$0
65+	24	11.6	3.9	$45,867	$534
CHRONIC PULMONARY DISEASE					
Asthma					
Total	1	.	0.0	$0	$0
<18	1	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	0	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	11	.	0.0	$0	$0
45-64	1	.	0.0	$0	$0
65+	10	.	0.0	$0	$0
PNEUMONIA and INFLUENZA					
Total	20	2.2	3.6	$21,376	$47
<18	3	.	0.0	$0	$0
45-64	5	.	0.0	$0	$0
65+	10	.	0.0	$0	$0

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		9,182
County population rank (1-72)		68
Population per square mile		9
County rank in population density (1-72)		71
Population growth 2013-2017		-12
County rank in 5-year population growth (1-72)		52

	Female	Male	Total
Total	4,513	4,669	9,182
Age			
0-14	729	782	1,511
15-17	161	182	343
18-19	103	120	223
20-24	238	269	507
25-44	937	915	1,852
45-64	1,323	1,362	2,685
65-84	871	947	1,818
85+	151	92	243
Race/Ethnicity			
White	3,616	3,777	7,393
African American	50	84	134
American Indian	719	691	1,410
Hispanic	105	104	209
Asian	23	13	36

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	15.1%	6.2%
Ages 0-17	22.7%	10.6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$35,597

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	4,038
Unemployment rate	5.1%
Five-year avg. unemployment rate (2013-2017)	7.7%
Median household income	$46,137
Rank in median household income (1-72)	65

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	13	292.0	205.9	99.7	383.1
Melanoma	^	^	^	^	^
Colorectal	^	^	^	^	^
Lung and bronchus	14	155.2	90.6	49.4	162.1
Prostate*	14	306.5	171.6	92.2	311.3
Total	77	853.7	532.0	412.8	680.0

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS
Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES
The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	<5
Campylobacter enteritis	<5
Cryptosporidiosis	0
E.coli, shiga toxin-producing (STEC)	0
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	7
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	5
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	0
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	0
Salmonellosis	<5
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	35
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	42	2
Alcohol-related	8	1
With citation for OWI	2	0
With citation for speeding	2	0
Motorcyclist	3	0
Bicyclist	0	0
Pedestrian	0	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	594
Crude live birth rate (per 1,000)	11.2
General fertility rate (per 1,000)	64.5

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	19	3.2
Other vaginal	400	67.3
Vaginal vacuum	17	2.9
Forceps	3	0.5
Primary cesarean	80	13.5
Repeat cesarean	64	10.8
Cesarean (unk. repeat/primary)	10	1.7
Other/Unknown	1	0.2
Prenatal Care Visits		
No visits	3	0.5
1-4	29	4.9
5-9	123	20.7
10-12	231	38.9
13+	200	33.7
Unknown	8	1.3
First Prenatal Care Visit		
First trimester	416	70.0
Second trimester	136	22.9
Third trimester	31	5.2
No visits	3	0.5
Unknown	8	1.3

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	425	71.5
Unmarried	169	28.5
Unknown	0	0.0
Education		
Elementary or less	68	11.4
Some high school	15	2.5
High school graduate	132	22.2
Some college	197	33.2
College graduate	182	30.6
Unknown	0	0.0
Smoking		
Smoker	75	12.6
Nonsmoker	519	87.4
Unknown	0	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	3	0.5
1,500-2,499 gm	35	5.9
2,500+ gm	556	93.6
Unknown	0	0.0
Birth Order		
First	188	31.6
Second	202	34.0
Third	101	17.0
Fourth or higher	102	17.2
Unknown	1	0.2
Reported congenital anomalies [1]	7	1.2

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

Trimester of First Prenatal Visit

Race/Ethnicity	All Births Births	All Births %	LBW Births	LBW %	First Births	First %	Second Births	Second %	Other/Unk. Births	Other/Unk. %
White	568	95.6	34	6.0	398	70.1	129	22.7	41	7.2
Black/African-American	3	0.5	0	0.0	3	100.0	0	0.0	0	0.0
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	14	2.4	2	14.3	9	64.3	4	28.6	1	7.1
Asian	4	0.7	0	0.0	2	50.0	2	50.0	0	0.0
Two or more races	3	0.5	2	66.7	3	100.0	0	0.0	0	0.0
Other/Unknown	2	0.3	0	0.0	1	50.0	1	50.0	0	0.0
Age	**Births**	**Fertility (per 1,000)**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	2	.	0	0.0	1	50.0	0	0.0	1	50.0
18-19	8	.	1	12.5	6	75.0	1	12.5	1	12.5
20-24	145	62.5	8	5.5	86	59.3	48	33.1	11	7.6
25-29	207	163.5	13	6.3	147	71.0	49	23.7	11	5.3
30-34	158	136.2	9	5.7	124	78.5	23	14.6	11	7.0
35-39	59	48.0	5	8.5	42	71.2	13	22.0	4	6.8
40+	15	.	2	13.3	10	66.7	2	13.3	3	20.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	10	4.8								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	7	.
Neonatal	1	.
Fetal	6	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	1	.
Neonatal	1	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	1	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	1	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	513	
Crude death rate (per 100,000)	970.1	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	3	.
20-34	8	.
35-54	22	200.3
55-64	52	728.0
65-74	75	1,470.0
75-84	133	4,402.5
85+	219	14,484.1
Selected Underlying Causes		
Heart disease (total)	109	206.1
Ischemic heart disease	63	119.1
Cancer (total)	93	175.9
Trachea/Bronchus/Lung	24	45.4
Colorectal	14	.
Female breast*	3	.
Cerebrovascular disease	35	66.2
Lower respiratory disease	38	71.9
Pneumonia and influenza	15	.
Accidents	23	43.5
Motor vehicle	5	.
Diabetes	18	.
Infectious/Parasitic diseases	9	.
Suicide	9	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	17	.
Opioids	3	.
Other drugs	2	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatal, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	5,111	96.7	4.1	$31,446	$3,039
Age					
<18	858	71.1	3.6	$21,029	$1,495
18-44	1,023	56.3	3.3	$20,442	$1,151
45-64	1,012	77.9	4.4	$43,561	$3,392
65+	2,218	230.2	4.5	$35,023	$8,062

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	34	0.6	4.6	$24,980	$16
18-44	13	.	0.0	$0	$0
45-64	20	1.5	4.3	$23,587	$36
Drug-related					
Total	28	0.5	4.1	$37,322	$20
18-44	10	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	264	5.0	6.6	$16,115	$80
<18	66	5.5	5.9	$19,213	$105
18-44	126	6.9	6.8	$14,429	$100
45-64	45	3.5	6.9	$14,353	$50
65+	27	2.8	7.1	$19,349	$54
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	186	3.5	6.0	$64,584	$227
18-44	6	.	0.0	$0	$0
45-64	67	5.2	6.2	$74,109	$382
65+	113	11.7	5.9	$58,628	$688
Neoplasms: Female Breast (rates for female population)					
Total	3	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	20	0.4	6.8	$57,246	$22
65+	18	.	0.0	$0	$0
Neoplasms: Lung					
Total	5	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	57	1.1	4.3	$38,067	$41
65+	17	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	141	2.7	3.6	$63,156	$168
45-64	38	2.9	3.0	$65,198	$191
65+	96	10.0	3.9	$63,115	$629
Cerebrovascular Disease					
Total	123	2.3	4.7	$45,349	$105
45-64	30	2.3	7.8	$69,074	$159
65+	89	9.2	3.7	$37,610	$347
CHRONIC PULMONARY DISEASE					
Asthma					
Total	11	.	0.0	$0	$0
<18	5	.	0.0	$0	$0
18-44	2	.	0.0	$0	$0
45-64	3	.	0.0	$0	$0
65+	1	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	88	1.7	3.6	$21,617	$36
45-64	27	2.1	2.6	$14,961	$31
65+	59	6.1	3.9	$23,763	$146
PNEUMONIA and INFLUENZA					
Total	182	3.4	3.8	$17,438	$60
<18	13	.	0.0	$0	$0
45-64	27	2.1	3.4	$18,760	$39
65+	139	14.4	3.9	$17,113	$247

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		52,879
County population rank (1-72)		27
Population per square mile		46
County rank in population density (1-72)		39
Population growth 2013-2017		1,078
County rank in 5-year population growth (1-72)		10

	Female	Male	Total
Total	25,388	27,491	52,879
Age			
0-14	4,524	4,733	9,257
15-17	1,287	1,529	2,816
18-19	787	1,033	1,820
20-24	2,321	3,614	5,935
25-44	4,809	5,611	10,420
45-64	6,290	6,706	12,996
65-84	4,341	3,782	8,123
85+	1,029	483	1,512
Race/Ethnicity			
White	24,452	26,130	50,581
African American	234	561	795
American Indian	46	55	101
Hispanic	377	508	885
Asian	279	237	516

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	13.6%	4.6%
Ages 0-17	15.4%	7.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$36,495

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	28,269
Unemployment rate	3.1%
Five-year avg. unemployment rate (2013-2017)	4.42%
Median household income	$51,157
Rank in median household income (1-72)	46

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	40	160.1	131.6	91.8	183.4
Melanoma	16	30.8	27.8	15.1	46.8
Colorectal	27	51.9	41.2	26.8	61.2
Lung and bronchus	36	69.2	53.9	37.3	76.0
Prostate*	35	129.6	109.1	75.4	153.8
Total	293	563.5	463.6	409.8	522.8

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	22
Cryptosporidiosis	17
E.coli, shiga toxin-producing (STEC)	10
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	5
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	19
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	18
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	7
Pertussis	<5
Salmonellosis	<5
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	161
Gonorrhea (all stages)	14
Syphilis (all stages)	<5

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	309	7
Alcohol-related	20	1
With citation for OWI	9	0
With citation for speeding	18	0
Motorcyclist	28	1
Bicyclist	5	0
Pedestrian	3	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	270	71.1
Unmarried	108	28.4
Unknown	2	0.5
Education		
Elementary or less	14	3.7
Some high school	18	4.7
High school graduate	86	22.6
Some college	116	30.5
College graduate	145	38.2
Unknown	1	0.3
Smoking		
Smoker	41	10.8
Nonsmoker	339	89.2
Unknown	0	0.5

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	380
Crude live birth rate (per 1,000)	10.3
General fertility rate (per 1,000)	61.8

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	12	3.2
Other vaginal	241	63.4
Vaginal vacuum	14	3.7
Forceps	2	0.5
Primary cesarean	58	15.3
Repeat cesarean	53	13.9
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	0.3
1-4	4	1.1
5-9	30	7.9
10-12	106	27.9
13+	229	60.3
Unknown	10	2.6
First Prenatal Care Visit		
First trimester	322	84.7
Second trimester	39	10.3
Third trimester	11	2.9
No visits	1	0.3
Unknown	7	1.8

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	3	0.8
1,500-2,499 gm	24	6.3
2,500+ gm	353	92.9
Unknown	0	0.0
Birth Order		
First	136	35.8
Second	118	31.1
Third	73	19.2
Fourth or higher	52	13.7
Unknown	1	0.3
Reported congenital anomalies [1]	4	1.1

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	346	91.1	26	7.5	294	85.0	34	9.8	18	5.2
Black/African-American	4	1.1	0	0.0	4	100.0	0	0.0	0	0.0
American Indian	1	0.3	0	0.0	1	100.0	0	0.0	0	0.0
Hispanic/Latino	20	5.3	1	5.0	16	80.0	4	20.0	0	0.0
Asian	4	1.1	0	0.0	3	75.0	1	25.0	0	0.0
Two or more races	5	1.3	0	0.0	4	80.0	0	0.0	1	20.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Trimester of First Prenatal Visit

	Fertility									
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	0	.	0	0.0	0	0.0	0	0.0	0	0.0
18-19	9	.	0	0.0	5	55.6	2	22.2	2	22.2
20-24	59	65.5	5	8.5	50	84.7	6	10.2	3	5.1
25-29	133	154.3	8	6.0	117	88.0	12	9.0	4	3.0
30-34	129	129.8	8	6.2	112	86.8	10	7.8	7	5.4
35-39	43	37.4	6	14.0	33	76.7	7	16.3	3	7.0
40+	7	.	0	0.0	5	71.4	2	28.6	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	9	7.8								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Deaths (2017 data)

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	6	.
Neonatal	2	.
Fetal	4	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	2	.
Neonatal	2	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	1	.
1,500-2,499 gm	0	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	2	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	324	
Crude death rate (per 100,000)	878.1	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	3	.
20-34	1	.
35-54	13	.
55-64	35	618.7
65-74	60	1,572.7
75-84	83	4,455.2
85+	127	14,064.2
Selected Underlying Causes		
Heart disease (total)	68	184.3
Ischemic heart disease	35	94.9
Cancer (total)	70	189.7
Trachea/Bronchus/Lung	18	.
Colorectal	4	.
Female breast*	7	.
Cerebrovascular disease	19	.
Lower respiratory disease	17	.
Pneumonia and influenza	5	.
Accidents	14	.
Motor vehicle	7	.
Diabetes	5	.
Infectious/Parasitic diseases	10	.
Suicide	2	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	11	.
Opioids	0	.
Other drugs	0	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	3,579	97.0	3.9	$36,549	$3,545
Age					
<18	510	60.5	3.2	$16,841	$1,019
18-44	737	66.6	2.9	$23,564	$1,569
45-64	821	75.8	4.4	$50,545	$3,834
65+	1,511	229.6	4.3	$41,929	$9,627

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	26	0.7	4.3	$34,082	$24
18-44	4	.	0.0	$0	$0
45-64	19	.	0.0	$0	$0
Drug-related					
Total	20	0.5	4.0	$25,845	$14
18-44	8	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	160	4.3	6.3	$15,162	$66
<18	54	6.4	7.3	$20,165	$129
18-44	65	5.9	3.9	$9,204	$54
45-64	32	3.0	8.6	$17,118	$51
65+	9	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	145	3.9	5.6	$70,829	$278
18-44	9	.	0.0	$0	$0
45-64	49	4.5	6.0	$84,685	$383
65+	86	13.1	5.6	$61,895	$809
Neoplasms: Female Breast (rates for female population)					
Total	1	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	15	.	0.0	$0	$0
65+	11	.	0.0	$0	$0
Neoplasms: Lung					
Total	17	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	40	1.1	3.4	$31,038	$34
65+	9	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	96	2.6	3.5	$66,586	$173
45-64	29	2.7	2.9	$73,335	$196
65+	60	9.1	4.0	$64,449	$588
Cerebrovascular Disease					
Total	106	2.9	5.7	$55,683	$160
45-64	32	3.0	6.9	$70,314	$208
65+	70	10.6	5.3	$49,158	$523
CHRONIC PULMONARY DISEASE					
Asthma					
Total	6	.	0.0	$0	$0
<18	2	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
45-64	3	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	73	2.0	3.7	$25,870	$51
45-64	9	.	0.0	$0	$0
65+	63	9.6	3.7	$26,005	$249
PNEUMONIA and INFLUENZA					
Total	72	2.0	3.6	$25,948	$51
<18	12	.	0.0	$0	$0
45-64	13	.	0.0	$0	$0
65+	46	7.0	3.9	$28,798	$201

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.

Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).

Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.

Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			18,999
County population rank (1-72)			55
Population per square mile			54
County rank in population density (1-72)			33
Population growth 2013-2017			-58
County rank in 5-year population growth (1-72)			57

	Female	Male	Total
Total	9,453	9,546	18,999
Age			
0-14	1,638	1,742	3,380
15-17	309	380	689
18-19	256	263	519
20-24	415	462	877
25-44	1,829	1,918	3,747
45-64	2,655	2,764	5,419
65-84	1,936	1,811	3,747
85+	415	206	621
Race/Ethnicity			
White	8,825	8,875	17,699
African American	86	105	191
American Indian	28	34	62
Hispanic	450	460	910
Asian	65	72	137

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	10%	4.4%
Ages 0-17	17.1%	8.8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$39,001

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	9,736
Unemployment rate	3.7%
Five-year avg. unemployment rate (2013-2017)	5.66%
Median household income	$52,917
Rank in median household income (1-72)	44

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	24	129.6	91.0	57.0	139.9
Melanoma	20	54.3	43.0	25.6	68.4
Colorectal	14	38.0	27.5	14.8	47.9
Lung and bronchus	37	100.5	72.2	50.4	101.3
Prostate*	19	103.9	67.0	39.7	109.1
Total	201	546.0	403.3	347.2	466.6

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Diseases (2017 data)

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	0
Babesiosis	0
Blastomycosis	<5
Campylobacter enteritis	22
Cryptosporidiosis	24
E.coli, shiga toxin-producing (STEC)	7
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	<5
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	6
Legionnaires'	0
Listeriosis	<5
Lyme (all stages)	9
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	<5
Salmonellosis	13
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	8
Sexually Transmitted Disease	
Chlamydia trachomatis	86
Gonorrhea (all stages)	5
Syphilis (all stages)	<5

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	252	6
Alcohol-related	36	1
With citation for OWI	12	1
With citation for speeding	39	0
Motorcyclist	34	1
Bicyclist	7	0
Pedestrian	2	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	216
Crude live birth rate (per 1,000)	11.4
General fertility rate (per 1,000)	76.9

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	4	1.9
Other vaginal	157	72.7
Vaginal vacuum	5	2.3
Forceps	0	0.0
Primary cesarean	37	17.1
Repeat cesarean	13	6.0
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	0.5
1-4	7	3.2
5-9	48	22.2
10-12	80	37.0
13+	68	31.5
Unknown	12	5.6
First Prenatal Care Visit		
First trimester	136	63.0
Second trimester	55	25.5
Third trimester	14	6.5
No visits	1	0.5
Unknown	10	4.6

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	141	65.3
Unmarried	74	34.3
Unknown	1	0.5
Education		
Elementary or less	41	19.0
Some high school	16	7.4
High school graduate	56	25.9
Some college	59	27.3
College graduate	44	20.4
Unknown	0	0.0
Smoking		
Smoker	42	19.4
Nonsmoker	174	80.6
Unknown	0	0.5

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	1	0.5
1,500-2,499 gm	17	7.9
2,500+ gm	198	91.7
Unknown	0	0.0
Birth Order		
First	78	36.1
Second	49	22.7
Third	38	17.6
Fourth or higher	50	23.1
Unknown	1	0.5
Reported congenital anomalies [1]	2	0.9

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	196	90.7	16	8.2	125	63.8	50	25.5	21	10.7
Black/African-American	1	0.5	0	0.0	1	100.0	0	0.0	0	0.0
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	16	7.4	2	12.5	9	56.2	4	25.0	3	18.8
Asian	2	0.9	0	0.0	0	0.0	1	50.0	1	50.0
Two or more races	1	0.5	0	0.0	1	100.0	0	0.0	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	4	.	0	0.0	2	50.0	1	25.0	1	25.0
18-19	8	.	0	0.0	4	50.0	2	25.0	2	25.0
20-24	55	132.5	0	0.0	35	63.6	16	29.1	4	7.3
25-29	64	157.2	7	10.9	42	65.6	16	25.0	6	9.4
30-34	54	117.1	9	16.7	37	68.5	12	22.2	5	9.3
35-39	21	42.5	1	4.8	12	57.1	5	23.8	4	19.0
40+	10	.	1	10.0	4	40.0	3	30.0	3	30.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	12	21.2								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	2	.
Neonatal	0	.
Fetal	2	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	2	.
Neonatal	0	.
Postneonatal	2	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	2	.
Unknown	0	.
Race of Mother		
White	2	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	258	
Crude death rate (per 100,000)	1,358.0	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	1	.
15-19	0	.
20-34	5	.
35-54	13	.
55-64	26	850.5
65-74	55	2,216.8
75-84	48	3,791.5
85+	108	17,391.3
Selected Underlying Causes		
Heart disease (total)	69	363.2
Ischemic heart disease	34	179.0
Cancer (total)	53	279.0
Trachea/Bronchus/Lung	17	.
Colorectal	2	.
Female breast*	7	.
Cerebrovascular disease	12	.
Lower respiratory disease	22	115.8
Pneumonia and influenza	4	.
Accidents	17	.
Motor vehicle	1	.
Diabetes	4	.
Infectious/Parasitic diseases	4	.
Suicide	2	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	11	.
Opioids	3	.
Other drugs	0	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	2,019	106.3	4.1	$31,847	$3,384
Age					
<18	272	66.8	3.8	$20,464	$1,368
18-44	374	72.7	3.6	$23,595	$1,716
45-64	490	90.4	4.5	$40,380	$3,651
65+	883	202.2	4.3	$34,113	$6,896

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	32	1.7	4.0	$20,113	$34
18-44	6	.	0.0	$0	$0
45-64	15	.	0.0	$0	$0
Drug-related					
Total	14	.	0.0	$0	$0
18-44	7	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	110	5.8	8.5	$14,387	$83
<18	26	6.4	5.6	$12,383	$79
18-44	39	7.6	10.4	$16,886	$128
45-64	35	6.5	8.5	$12,370	$80
65+	10	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	62	3.3	5.0	$59,806	$195
18-44	2	.	0.0	$0	$0
45-64	26	4.8	4.2	$54,581	$262
65+	34	7.8	5.6	$63,373	$493
Neoplasms: Female Breast (rates for female population)					
Total	1	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	4	.	0.0	$0	$0
65+	4	.	0.0	$0	$0
Neoplasms: Lung					
Total	4	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	34	1.8	4.5	$26,035	$47
65+	9	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	61	3.2	4.0	$56,284	$181
45-64	19	.	0.0	$0	$0
65+	40	9.2	4.6	$59,955	$549
Cerebrovascular Disease					
Total	62	3.3	5.2	$33,417	$109
45-64	16	.	0.0	$0	$0
65+	44	10.1	4.9	$28,342	$286
CHRONIC PULMONARY DISEASE					
Asthma					
Total	0	.	0.0	$0	$0
<18	0	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	0	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	57	3.0	4.3	$19,029	$57
45-64	11	.	0.0	$0	$0
65+	46	10.5	4.3	$18,820	$198
PNEUMONIA and INFLUENZA					
Total	52	2.7	3.5	$15,615	$43
<18	2	.	0.0	$0	$0
45-64	7	.	0.0	$0	$0
65+	41	9.4	3.3	$11,874	$111

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			36,897
County population rank (1-72)			39
Population per square mile			63
County rank in population density (1-72)			30
Population growth 2013-2017			-3
County rank in 5-year population growth (1-72)			50

	Female	Male	Total
Total	18,534	18,363	36,897
Age			
0-14	3,435	3,610	7,045
15-17	679	702	1,381
18-19	474	438	912
20-24	901	906	1,807
25-44	4,092	4,255	8,347
45-64	5,418	5,406	10,824
65-84	2,939	2,739	5,678
85+	596	307	903
Race/Ethnicity			
White	17,610	17,413	35,023
African American	170	209	378
American Indian	45	51	96
Hispanic	566	584	1,150
Asian	143	106	249

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	8%	3%
Ages 0-17	10.8%	4.8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$36,624

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	21,184
Unemployment rate	2.8%
Five-year avg. unemployment rate (2013-2017)	4.02%
Median household income	$62,456
Rank in median household income (1-72)	11

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	20	215.5	145.8	85.0	238.0
Melanoma	7	37.6	25.2	9.5	57.6
Colorectal	^	^	^	^	^
Lung and bronchus	21	112.8	71.6	44.0	113.8
Prostate*	8	85.6	53.1	22.5	115.3
Total	109	585.3	386.3	313.8	472.6

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Diseases (2017 data)

Green Lake County

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS
Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES
The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	0
Babesiosis	0
Blastomycosis	<5
Campylobacter enteritis	6
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	0
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	<5
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	7
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	9
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	0
Salmonellosis	<5
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	0
Sexually Transmitted Disease	
Chlamydia trachomatis	40
Gonorrhea (all stages)	<5
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	109	0
Alcohol-related	14	0
With citation for OWI	7	0
With citation for speeding	12	0
Motorcyclist	8	0
Bicyclist	0	0
Pedestrian	4	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	180	73.2
Unmarried	63	25.6
Unknown	3	1.2
Education		
Elementary or less	11	4.5
Some high school	3	1.2
High school graduate	56	22.8
Some college	75	30.5
College graduate	101	41.1
Unknown	0	0.0
Smoking		
Smoker	25	10.2
Nonsmoker	220	89.4
Unknown	1	1.2

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	246
Crude live birth rate (per 1,000)	10.3
General fertility rate (per 1,000)	64.7

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	4	1.6
Other vaginal	158	64.2
Vaginal vacuum	9	3.7
Forceps	5	2.0
Primary cesarean	39	15.9
Repeat cesarean	31	12.6
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	0.4
1-4	1	0.4
5-9	36	14.6
10-12	102	41.5
13+	103	41.9
Unknown	3	1.2
First Prenatal Care Visit		
First trimester	200	81.3
Second trimester	37	15.0
Third trimester	5	2.0
No visits	1	0.4
Unknown	3	1.2

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	1	0.4
1,500-2,499 gm	22	8.9
2,500+ gm	223	90.7
Unknown	0	0.0
Birth Order		
First	91	37.0
Second	71	28.9
Third	51	20.7
Fourth or higher	32	13.0
Unknown	1	0.4
Reported congenital anomalies [1]	1	0.4

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

Race/Ethnicity	All Births: Births	All Births: %	LBW: Births	LBW: %	First: Births	First: %	Second: Births	Second: %	Other/Unk.: Births	Other/Unk.: %
White	231	93.9	20	8.7	187	81.0	35	15.2	9	3.9
Black/African-American	1	0.4	0	0.0	1	100.0	0	0.0	0	0.0
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	9	3.7	1	11.1	7	77.8	2	22.2	0	0.0
Asian	3	1.2	0	0.0	3	100.0	0	0.0	0	0.0
Two or more races	1	0.4	1	100.0	1	100.0	0	0.0	0	0.0
Other/Unknown	1	0.4	1	100.0	1	100.0	0	0.0	0	0.0

Trimester of First Prenatal Visit (First / Second / Other/Unk.)

Age	Births	Fertility (per 1,000)	LBW Births	LBW %	First: Births	First: %	Second: Births	Second: %	Other/Unk.: Births	Other/Unk.: %
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	0	.	0	0.0	0	0.0	0	0.0	0	0.0
18-19	3	.	0	0.0	2	66.7	1	33.3	0	0.0
20-24	41	78.1	3	7.3	30	73.2	9	22.0	2	4.9
25-29	89	161.8	9	10.1	74	83.1	11	12.4	4	4.5
30-34	88	131.0	9	10.2	73	83.0	13	14.8	2	2.3
35-39	23	32.1	2	8.7	19	82.6	3	13.0	1	4.3
40+	2	.	0	0.0	2	100.0	0	0.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	3	4.4								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	2	.
Neonatal	1	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	1	.
Neonatal	1	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	1	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	0	.
Black	0	.
Hispanic	0	.
Asian	1	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	208
Crude death rate (per 100,000)	874.4

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	0	.
20-34	4	.
35-54	10	.
55-64	32	844.8
65-74	40	1,553.4
75-84	46	4,081.6
85+	75	15,400.4
Selected Underlying Causes		
Heart disease (total)	42	176.6
Ischemic heart disease	26	109.3
Cancer (total)	36	151.3
Trachea/Bronchus/Lung	8	.
Colorectal	5	.
Female breast*	1	.
Cerebrovascular disease	18	.
Lower respiratory disease	11	.
Pneumonia and influenza	9	.
Accidents	15	.
Motor vehicle	4	.
Diabetes	10	.
Infectious/Parasitic diseases	4	.
Suicide	3	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	7	.
Opioids	2	.
Other drugs	0	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	2,152	90.5	3.9	$33,486	$3,029
Age					
<18	342	62.1	3.7	$20,453	$1,269
18-44	414	59.3	3.1	$22,647	$1,343
45-64	482	67.8	4.0	$44,170	$2,996
65+	914	218.2	4.4	$37,639	$8,213

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	27	1.1	3.7	$18,884	$21
18-44	17	.	0.0	$0	$0
45-64	7	.	0.0	$0	$0
Drug-related					
Total	11	.	0.0	$0	$0
18-44	8	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	90	3.8	7.4	$18,300	$69
<18	33	6.0	6.8	$18,687	$112
18-44	28	4.0	7.0	$16,254	$65
45-64	16	.	0.0	$0	$0
65+	13	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	63	2.6	4.0	$54,433	$144
18-44	7	.	0.0	$0	$0
45-64	21	3.0	4.4	$61,402	$181
65+	33	7.9	4.0	$44,248	$349
Neoplasms: Female Breast (rates for female population)					
Total	3	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	7	.	0.0	$0	$0
65+	6	.	0.0	$0	$0
Neoplasms: Lung					
Total	4	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	32	1.3	3.6	$30,428	$41
65+	13	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	62	2.6	4.0	$79,776	$208
45-64	20	2.8	4.7	$77,126	$217
65+	41	9.8	3.7	$79,820	$781
Cerebrovascular Disease					
Total	73	3.1	4.8	$47,343	$145
45-64	17	.	0.0	$0	$0
65+	55	13.1	5.0	$44,461	$584
CHRONIC PULMONARY DISEASE					
Asthma					
Total	9	.	0.0	$0	$0
<18	0	.	0.0	$0	$0
18-44	5	.	0.0	$0	$0
45-64	2	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	60	2.5	4.4	$25,509	$64
45-64	7	.	0.0	$0	$0
65+	51	12.2	4.4	$25,184	$307
PNEUMONIA and INFLUENZA					
Total	58	2.4	3.9	$21,615	$53
<18	1	.	0.0	$0	$0
45-64	9	.	0.0	$0	$0
65+	46	11.0	4.1	$20,023	$220

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		23,788
County population rank (1-72)		48
Population per square mile		31
County rank in population density (1-72)		51
Population growth 2013-2017		24
County rank in 5-year population growth (1-72)		42

	Female	Male	Total
Total	11,814	11,974	23,788
Age			
0-14	2,280	2,387	4,667
15-17	405	439	844
18-19	277	307	584
20-24	525	593	1,118
25-44	2,598	2,681	5,279
45-64	3,526	3,581	7,107
65-84	1,890	1,812	3,702
85+	313	174	487
Race/Ethnicity			
White	11,349	11,503	22,852
African American	131	148	280
American Indian	26	26	52
Hispanic	203	219	422
Asian	104	77	181

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	8.7%	3.6%
Ages 0-17	10.9%	5.4%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$40,232

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	13,839
Unemployment rate	3%
Five-year avg. unemployment rate (2013-2017)	4.48%
Median household income	$63,476
Rank in median household income (1-72)	10

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	22	187.8	156.7	95.5	243.5
Melanoma	13	55.4	46.9	24.2	82.7
Colorectal	9	38.3	26.7	11.7	54.3
Lung and bronchus	14	59.7	49.8	26.9	85.6
Prostate*	17	144.6	107.3	60.6	179.2
Total	137	583.7	462.6	384.5	552.6

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	21
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	6
Ehrlichiosis/Anaplasmosis	0
Giardiasis	0
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	22
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	7
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	0
Salmonellosis	6
Streptococcal disease (Group A)	0
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	38
Gonorrhea (all stages)	<5
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	147	2
Alcohol-related	25	0
With citation for OWI	13	0
With citation for speeding	27	0
Motorcyclist	13	0
Bicyclist	0	0
Pedestrian	2	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	34
Crude live birth rate (per 1,000)	5.8
General fertility rate (per 1,000)	46.2

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	1	2.9
Other vaginal	18	52.9
Vaginal vacuum	2	5.9
Forceps	0	0.0
Primary cesarean	8	23.5
Repeat cesarean	5	14.7
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	0	0.0
1-4	1	2.9
5-9	8	23.5
10-12	9	26.5
13+	15	44.1
Unknown	1	2.9
First Prenatal Care Visit		
First trimester	25	73.5
Second trimester	8	23.5
Third trimester	1	2.9
No visits	0	0.0
Unknown	0	0.0

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	21	61.8
Unmarried	13	38.2
Unknown	0	0.0
Education		
Elementary or less	0	0.0
Some high school	2	5.9
High school graduate	7	20.6
Some college	16	47.1
College graduate	8	23.5
Unknown	1	2.9
Smoking		
Smoker	5	14.7
Nonsmoker	28	82.4
Unknown	1	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	0	0.0
1,500-2,499 gm	0	0.0
2,500+ gm	34	100.0
Unknown	0	0.0
Birth Order		
First	9	26.5
Second	14	41.2
Third	6	17.6
Fourth or higher	5	14.7
Unknown	0	0.0
Reported congenital anomalies [1]	0	0.0

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	29	85.3	0	0.0	20	69.0	8	27.6	1	3.4
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	2	5.9	0	0.0	2	100.0	0	0.0	0	0.0
Hispanic/Latino	1	2.9	0	0.0	1	100.0	0	0.0	0	0.0
Asian	1	2.9	0	0.0	1	100.0	0	0.0	0	0.0
Two or more races	1	2.9	0	0.0	1	100.0	0	0.0	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	0	.	0	0.0	0	0.0	0	0.0	0	0.0
18-19	0	.	0	0.0	0	0.0	0	0.0	0	0.0
20-24	4	.	0	0.0	2	50.0	1	25.0	1	25.0
25-29	16	.	0	0.0	11	68.8	5	31.2	0	0.0
30-34	7	.	0	0.0	6	85.7	1	14.3	0	0.0
35-39	6	.	0	0.0	5	83.3	1	16.7	0	0.0
40+	1	.	0	0.0	1	100.0	0	0.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	0	0.0								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	0	.
Neonatal	0	.
Fetal	0	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	0	.
Neonatal	0	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	0	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	88	
Crude death rate (per 100,000)	1,513.1	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	0	.
20-34	1	.
35-54	5	.
55-64	13	.
65-74	12	.
75-84	20	4,040.4
85+	37	14,230.8
Selected Underlying Causes		
Heart disease (total)	25	429.8
Ischemic heart disease	16	.
Cancer (total)	21	361.1
Trachea/Bronchus/Lung	9	.
Colorectal	1	.
Female breast*	1	.
Cerebrovascular disease	7	.
Lower respiratory disease	2	.
Pneumonia and influenza	2	.
Accidents	5	.
Motor vehicle	1	.
Diabetes	1	.
Infectious/Parasitic diseases	1	.
Suicide	2	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	3	.
Opioids	1	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	443	76.2	4.8	$41,603	$3,169
Age					
<18	36	44.0	4.5	$17,143	$754
18-44	66	50.7	4.3	$27,373	$1,388
45-64	124	62.0	4.7	$48,014	$2,975
65+	217	128.0	5.1	$46,326	$5,931

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	11	.	0.0	$0	$0
18-44	2	.	0.0	$0	$0
45-64	7	.	0.0	$0	$0
Drug-related					
Total	2	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	38	6.5	6.1	$11,481	$75
<18	9	.	0.0	$0	$0
18-44	20	15.4	5.5	$10,180	$156
45-64	7	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	22	3.8	4.6	$50,208	$190
18-44	0	.	0.0	$0	$0
45-64	7	.	0.0	$0	$0
65+	15	.	0.0	$0	$0
Neoplasms: Female Breast (rates for female population)					
Total	0	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	1	.	0.0	$0	$0
65+	1	.	0.0	$0	$0
Neoplasms: Lung					
Total	1	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	5	.	0.0	$0	$0
65+	4	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	18	.	0.0	$0	$0
45-64	9	.	0.0	$0	$0
65+	8	.	0.0	$0	$0
Cerebrovascular Disease					
Total	26	4.5	5.5	$49,791	$223
45-64	10	.	0.0	$0	$0
65+	16	.	0.0	$0	$0
CHRONIC PULMONARY DISEASE					
Asthma					
Total	3	.	0.0	$0	$0
<18	0	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
45-64	2	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	5	.	0.0	$0	$0
45-64	1	.	0.0	$0	$0
65+	4	.	0.0	$0	$0
PNEUMONIA and INFLUENZA					
Total	8	.	0.0	$0	$0
<18	0	.	0.0	$0	$0
45-64	2	.	0.0	$0	$0
65+	6	.	0.0	$0	$0

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

Iron County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		5,816
County population rank (1-72)		70
Population per square mile		8
County rank in population density (1-72)		72
Population growth 2013-2017		-63
County rank in 5-year population growth (1-72)		58

	Female	Male	Total
Total	2,904	2,912	5,816
Age			
0-14	311	359	670
15-17	64	84	148
18-19	70	62	132
20-24	117	113	230
25-44	485	455	940
45-64	989	1,012	2,001
65-84	696	739	1,435
85+	172	88	260
Race/Ethnicity			
White	2,819	2,803	5,622
African American	13	18	31
American Indian	33	33	65
Hispanic	30	45	75
Asian	9	14	23

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	15.1%	5.4%
Ages 0-17	22.9%	10.4%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$30,365

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	2,615
Unemployment rate	6.2%
Five-year avg. unemployment rate (2013-2017)	8.54%
Median household income	$41,251
Rank in median household income (1-72)	71

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer (2016 data)

Iron County

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	11	388.7	184.5	91.5	401.0
Melanoma	^	^	^	^	^
Colorectal	^	^	^	^	^
Lung and bronchus	12	211.8	95.0	48.5	201.1
Prostate*	11	388.0	174.5	86.2	382.7
Total	59	1,041.5	530.6	392.8	719.3

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	<5
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	0
Ehrlichiosis/Anaplasmosis	0
Giardiasis	7
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	<5
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	0
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	0
Streptococcal disease (Group A)	0
Streptococcal disease (Group B)	0
Sexually Transmitted Disease	
Chlamydia trachomatis	6
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	22	1
Alcohol-related	1	1
With citation for OWI	1	0
With citation for speeding	5	0
Motorcyclist	4	0
Bicyclist	0	0
Pedestrian	0	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	227
Crude live birth rate (per 1,000)	11.0
General fertility rate (per 1,000)	74.0

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	5	2.2
Other vaginal	162	71.4
Vaginal vacuum	5	2.2
Forceps	0	0.0
Primary cesarean	25	11.0
Repeat cesarean	29	12.8
Cesarean (unk. repeat/primary)	1	0.4
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	6	2.6
1-4	26	11.5
5-9	53	23.3
10-12	81	35.7
13+	48	21.1
Unknown	13	5.7
First Prenatal Care Visit		
First trimester	134	59.0
Second trimester	51	22.5
Third trimester	25	11.0
No visits	6	2.6
Unknown	11	4.8

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	127	55.9
Unmarried	100	44.1
Unknown	0	0.0
Education		
Elementary or less	37	16.3
Some high school	14	6.2
High school graduate	79	34.8
Some college	57	25.1
College graduate	40	17.6
Unknown	0	0.0
Smoking		
Smoker	39	17.2
Nonsmoker	187	82.4
Unknown	1	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	3	1.3
1,500-2,499 gm	9	4.0
2,500+ gm	215	94.7
Unknown	0	0.0
Birth Order		
First	62	27.3
Second	65	28.6
Third	47	20.7
Fourth or higher	53	23.3
Unknown	0	0.0
Reported congenital anomalies [1]	0	0.0

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES　　　　　　　　　　　**Trimester of First Prenatal Visit**

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	195	85.9	9	4.6	121	62.1	39	20.0	35	17.9
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	21	9.3	2	9.5	7	33.3	8	38.1	6	28.6
Hispanic/Latino	6	2.6	1	16.7	4	66.7	2	33.3	0	0.0
Asian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Two or more races	4	1.8	0	0.0	2	50.0	2	50.0	0	0.0
Other/Unknown	1	0.4	0	0.0	0	0.0	0	0.0	1	100.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	3	.	1	33.3	2	66.7	0	0.0	1	33.3
18-19	12	.	0	0.0	9	75.0	3	25.0	0	0.0
20-24	52	111.3	3	5.8	29	55.8	15	28.8	8	15.4
25-29	80	169.9	5	6.2	52	65.0	16	20.0	12	15.0
30-34	42	84.7	1	2.4	20	47.6	11	26.2	11	26.2
35-39	32	59.7	1	3.1	18	56.2	5	15.6	9	28.1
40+	6	.	1	16.7	4	66.7	1	16.7	1	16.7
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	15	25.7								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	1	.
Neonatal	1	.
Fetal	0	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	1	.
Neonatal	1	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	1	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	1	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	228	
Crude death rate (per 100,000)	1,103.7	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	0	.
20-34	14	.
35-54	10	.
55-64	26	802.0
65-74	52	2,092.6
75-84	53	4,394.7
85+	72	17,142.9
Selected Underlying Causes		
Heart disease (total)	51	246.9
Ischemic heart disease	27	130.7
Cancer (total)	52	251.7
Trachea/Bronchus/Lung	13	.
Colorectal	4	.
Female breast*	1	.
Cerebrovascular disease	10	.
Lower respiratory disease	17	.
Pneumonia and influenza	3	.
Accidents	18	.
Motor vehicle	3	.
Diabetes	4	.
Infectious/Parasitic diseases	4	.
Suicide	4	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	10	.
Opioids	6	.
Other drugs	3	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	2,193	106.2	3.9	$29,404	$3,121
Age					
<18	260	59.2	3.4	$15,104	$894
18-44	475	77.2	3.7	$22,543	$1,741
45-64	561	93.4	4.0	$36,264	$3,388
65+	897	218.2	4.1	$32,891	$7,177

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	37	1.8	2.8	$15,201	$27
18-44	21	3.4	2.8	$19,741	$67
45-64	14	.	0.0	$0	$0
Drug-related					
Total	18	.	0.0	$0	$0
18-44	11	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	137	6.6	6.3	$12,685	$84
<18	18	.	0.0	$0	$0
18-44	87	14.1	6.4	$11,830	$167
45-64	23	3.8	5.1	$10,398	$40
65+	9	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	73	3.5	6.0	$62,354	$220
18-44	6	.	0.0	$0	$0
45-64	26	4.3	5.9	$72,667	$315
65+	41	10.0	6.2	$54,842	$547
Neoplasms: Female Breast (rates for female population)					
Total	0	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	4	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Neoplasms: Lung					
Total	9	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	52	2.5	3.3	$29,365	$74
65+	18	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	80	3.9	3.5	$50,322	$195
45-64	30	5.0	3.4	$58,577	$293
65+	48	11.7	3.6	$44,615	$521
Cerebrovascular Disease					
Total	57	2.8	5.5	$39,087	$108
45-64	9	.	0.0	$0	$0
65+	41	10.0	4.6	$31,120	$310
CHRONIC PULMONARY DISEASE					
Asthma					
Total	4	.	0.0	$0	$0
<18	2	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
45-64	0	.	0.0	$0	$0
65+	1	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	52	2.5	3.4	$17,640	$44
45-64	21	3.5	2.6	$13,767	$48
65+	31	7.5	3.9	$20,264	$153
PNEUMONIA and INFLUENZA					
Total	94	4.6	3.6	$19,162	$87
<18	4	.	0.0	$0	$0
45-64	22	3.7	4.4	$24,371	$89
65+	64	15.6	3.5	$17,711	$276

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

👥 Population (2017 data)   **Jackson County**

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		20,658
County population rank (1-72)		50
Population per square mile		21
County rank in population density (1-72)		60
Population growth 2013-2017		50
County rank in 5-year population growth (1-72)		36

	Female	Male	Total
Total	9,669	10,989	20,658
Age			
0-14	1,774	1,898	3,672
15-17	358	362	720
18-19	226	247	473
20-24	467	550	1,017
25-44	2,018	2,643	4,661
45-64	2,794	3,210	6,004
65-84	1,763	1,928	3,691
85+	269	151	420
Race/Ethnicity			
White	8,568	9,424	17,992
African American	70	409	479
American Indian	681	689	1,371
Hispanic	281	417	698
Asian	69	50	119

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	13.3%	4.2%
Ages 0-17	17.4%	8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$40,438

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	10,454
Unemployment rate	3.4%
Five-year avg. unemployment rate (2013-2017)	5.12%
Median household income	$51,131
Rank in median household income (1-72)	47

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	20	210.2	171.5	102.1	272.3
Melanoma	10	48.8	37.9	18.1	72.0
Colorectal	16	78.2	57.6	31.8	97.6
Lung and bronchus	13	63.5	46.9	24.8	82.7
Prostate*	17	155.2	112.8	64.8	186.5
Total	115	561.7	416.4	341.8	503.9

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	8
Babesiosis	<5
Blastomycosis	0
Campylobacter enteritis	5
Cryptosporidiosis	6
E.coli, shiga toxin-producing (STEC)	5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	6
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	<5
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	17
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	<5
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	63
Gonorrhea (all stages)	8
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	140	6
Alcohol-related	21	3
With citation for OWI	6	0
With citation for speeding	23	0
Motorcyclist	9	0
Bicyclist	0	0
Pedestrian	6	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.
Persons killed: All persons who died within 30 days from injuries received in the crash.
Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.
Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	861
Crude live birth rate (per 1,000)	10.2
General fertility rate (per 1,000)	53.7

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	12	1.4
Other vaginal	605	70.3
Vaginal vacuum	17	2.0
Forceps	15	1.7
Primary cesarean	116	13.5
Repeat cesarean	96	11.1
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	2	0.2
1-4	10	1.2
5-9	85	9.9
10-12	340	39.5
13+	407	47.3
Unknown	17	2.0
First Prenatal Care Visit		
First trimester	706	82.0
Second trimester	119	13.8
Third trimester	19	2.2
No visits	2	0.2
Unknown	15	1.7

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	578	67.1
Unmarried	279	32.4
Unknown	4	0.5
Education		
Elementary or less	16	1.9
Some high school	47	5.5
High school graduate	230	26.7
Some college	246	28.6
College graduate	318	36.9
Unknown	4	0.5
Smoking		
Smoker	110	12.8
Nonsmoker	750	87.1
Unknown	1	0.5

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	6	0.7
1,500-2,499 gm	42	4.9
2,500+ gm	813	94.4
Unknown	0	0.0
Birth Order		
First	282	32.8
Second	298	34.6
Third	171	19.9
Fourth or higher	109	12.7
Unknown	1	0.1
Reported congenital anomalies [1]	10	1.2

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	732	85.0	39	5.3	604	82.5	99	13.5	29	4.0
Black/African-American	8	0.9	2	25.0	6	75.0	2	25.0	0	0.0
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	98	11.4	5	5.1	76	77.6	18	18.4	4	4.1
Asian	9	1.0	0	0.0	9	100.0	0	0.0	0	0.0
Two or more races	13	1.5	2	15.4	10	76.9	0	0.0	3	23.1
Other/Unknown	1	0.1	0	0.0	1	100.0	0	0.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	5	.	1	20.0	3	60.0	1	20.0	1	20.0
18-19	20	17.8	1	5.0	17	85.0	2	10.0	1	5.0
20-24	137	52.0	11	8.0	100	73.0	31	22.6	6	4.4
25-29	265	98.4	12	4.5	220	83.0	33	12.5	12	4.5
30-34	295	111.5	12	4.1	254	86.1	33	11.2	8	2.7
35-39	108	41.2	8	7.4	90	83.3	13	12.0	5	4.6
40+	31	12.6	3	9.7	22	71.0	6	19.4	3	9.7
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	25	8.4								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	8	.
Neonatal	6	.
Fetal	2	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	8	.
Neonatal	6	.
Postneonatal	2	.
Birthweight		
< 1,500 gm	4	.
1,500-2,499 gm	2	.
2,500+ gm	2	.
Unknown	0	.
Race of Mother		
White	6	.
Black	1	.
Hispanic	1	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	735	
Crude death rate (per 100,000)	870.9	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	1	.
15-19	2	.
20-34	16	.
35-54	61	282.9
55-64	100	858.1
65-74	149	1,846.6
75-84	175	4,492.9
85+	222	15,406.0
Selected Underlying Causes		
Heart disease (total)	169	200.2
Ischemic heart disease	92	109.0
Cancer (total)	169	200.2
Trachea/Bronchus/Lung	35	41.5
Colorectal	11	.
Female breast*	13	.
Cerebrovascular disease	39	46.2
Lower respiratory disease	39	46.2
Pneumonia and influenza	5	.
Accidents	63	74.6
Motor vehicle	11	.
Diabetes	15	.
Infectious/Parasitic diseases	13	.
Suicide	17	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	40	47.9
Opioids	18	.
Other drugs	4	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	7,340	87.0	4.1	$36,277	$3,155
Age					
<18	1,214	62.8	4.0	$20,664	$1,298
18-44	1,707	59.5	3.6	$23,890	$1,421
45-64	1,722	75.0	4.4	$48,017	$3,601
65+	2,697	201.2	4.3	$43,649	$8,782

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	114	1.4	4.2	$22,376	$30
18-44	50	1.7	3.2	$15,932	$28
45-64	54	2.4	4.8	$28,061	$66
Drug-related					
Total	49	0.6	2.6	$22,075	$13
18-44	21	0.7	2.8	$22,391	$16
MENTAL HEALTH DISORDERS					
Total	537	6.4	7.4	$18,994	$121
<18	156	8.1	8.4	$23,241	$188
18-44	270	9.4	6.4	$15,611	$147
45-64	81	3.5	6.6	$17,892	$63
65+	30	2.2	13.2	$30,344	$68
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	217	2.6	5.4	$74,617	$192
18-44	13	.	0.0	$0	$0
45-64	89	3.9	4.4	$71,519	$277
65+	107	8.0	5.7	$65,962	$527
Neoplasms: Female Breast (rates for female population)					
Total	4	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	22	0.3	6.0	$52,872	$14
65+	14	.	0.0	$0	$0
Neoplasms: Lung					
Total	17	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	99	1.2	4.7	$43,225	$51
65+	29	2.2	4.1	$42,803	$93
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	175	2.1	4.2	$82,477	$171
45-64	48	2.1	4.2	$86,414	$181
65+	118	8.8	4.2	$81,081	$714
Cerebrovascular Disease					
Total	209	2.5	6.5	$52,958	$131
45-64	63	2.7	8.1	$67,999	$187
65+	140	10.4	5.7	$43,961	$459
CHRONIC PULMONARY DISEASE					
Asthma					
Total	12	.	0.0	$0	$0
<18	4	.	0.0	$0	$0
18-44	2	.	0.0	$0	$0
45-64	6	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	135	1.6	3.7	$24,650	$39
45-64	45	2.0	4.2	$25,795	$51
65+	83	6.2	3.4	$23,184	$144
PNEUMONIA and INFLUENZA					
Total	151	1.8	3.6	$22,266	$40
<18	3	.	0.0	$0	$0
45-64	46	2.0	3.5	$25,145	$50
65+	97	7.2	3.6	$21,203	$153

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)   Jefferson County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			84,397
County population rank (1-72)			20
Population per square mile			152
County rank in population density (1-72)			17
Population growth 2013-2017			256
County rank in 5-year population growth (1-72)			25

	Female	Male	Total
Total	42,381	42,016	84,397
Age			
0-14	7,638	8,003	15,641
15-17	1,864	1,822	3,686
18-19	1,122	1,256	2,378
20-24	2,633	2,735	5,368
25-44	10,415	10,542	20,957
45-64	11,500	11,462	22,962
65-84	6,296	5,668	11,964
85+	913	528	1,441
Race/Ethnicity			
White	38,248	37,776	76,024
African American	486	574	1,059
American Indian	154	169	324
Hispanic	3,029	3,144	6,173
Asian	464	353	817

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	8.5%	2.8%
Ages 0-17	10.1%	4.6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$39,583

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	45,735
Unemployment rate	3.2%
Five-year avg. unemployment rate (2013-2017)	4.52%
Median household income	$58,759
Rank in median household income (1-72)	22

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	64	151.3	126.1	95.8	163.2
Melanoma	28	33.1	28.6	18.8	41.9
Colorectal	32	37.8	28.4	19.2	40.8
Lung and bronchus	66	78.1	59.0	45.3	75.9
Prostate*	49	116.0	85.5	62.6	114.8
Total	450	532.3	426.7	387.0	469.6

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	0
Babesiosis	0
Blastomycosis	<5
Campylobacter enteritis	27
Cryptosporidiosis	12
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	6
Giardiasis	7
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	61
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	12
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	22
Streptococcal disease (Group A)	6
Streptococcal disease (Group B)	5
Sexually Transmitted Disease	
Chlamydia trachomatis	221
Gonorrhea (all stages)	23
Syphilis (all stages)	<5

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	404	13
Alcohol-related	34	2
With citation for OWI	14	0
With citation for speeding	49	0
Motorcyclist	37	1
Bicyclist	7	0
Pedestrian	12	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.
Persons killed: All persons who died within 30 days from injuries received in the crash.
Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.
Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	282
Crude live birth rate (per 1,000)	10.5
General fertility rate (per 1,000)	72.7

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	12	4.3
Other vaginal	172	61.0
Vaginal vacuum	10	3.5
Forceps	1	0.4
Primary cesarean	42	14.9
Repeat cesarean	45	16.0
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	0.4
1-4	8	2.8
5-9	71	25.2
10-12	88	31.2
13+	105	37.2
Unknown	9	3.2
First Prenatal Care Visit		
First trimester	220	78.0
Second trimester	48	17.0
Third trimester	12	4.3
No visits	1	0.4
Unknown	1	0.4

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	156	55.3
Unmarried	126	44.7
Unknown	0	0.0
Education		
Elementary or less	5	1.8
Some high school	23	8.2
High school graduate	115	40.8
Some college	90	31.9
College graduate	49	17.4
Unknown	0	0.0
Smoking		
Smoker	70	24.8
Nonsmoker	212	75.2
Unknown	0	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	0	0.0
1,500-2,499 gm	24	8.5
2,500+ gm	258	91.5
Unknown	0	0.0
Birth Order		
First	84	29.8
Second	93	33.0
Third	57	20.2
Fourth or higher	47	16.7
Unknown	1	0.4
Reported congenital anomalies [1]	4	1.4

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES　　　　　　　　　　　　　**Trimester of First Prenatal Visit**

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	257	91.1	21	8.2	203	79.0	42	16.3	12	4.7
Black/African-American	2	0.7	0	0.0	1	50.0	0	0.0	1	50.0
American Indian	5	1.8	2	40.0	4	80.0	1	20.0	0	0.0
Hispanic/Latino	12	4.3	1	8.3	8	66.7	3	25.0	1	8.3
Asian	1	0.4	0	0.0	0	0.0	1	100.0	0	0.0
Two or more races	4	1.4	0	0.0	4	100.0	0	0.0	0	0.0
Other/Unknown	1	0.4	0	0.0	0	0.0	1	100.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	2	.	0	0.0	1	50.0	0	0.0	1	50.0
18-19	11	.	2	18.2	7	63.6	2	18.2	2	18.2
20-24	84	140.0	7	8.3	68	81.0	13	15.5	3	3.6
25-29	92	153.6	9	9.8	73	79.3	16	17.4	3	3.3
30-34	68	106.6	4	5.9	54	79.4	11	16.2	3	4.4
35-39	21	31.1	0	0.0	14	66.7	5	23.8	2	9.5
40+	4	.	2	50.0	3	75.0	1	25.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	13	17.8								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	0	.
Neonatal	0	.
Fetal	0	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	0	.
Neonatal	0	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	0	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	296	
Crude death rate (per 100,000)	1,102.5	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	1	.
15-19	3	.
20-34	6	.
35-54	21	306.5
55-64	36	805.5
65-74	60	1,779.4
75-84	74	4,460.5
85+	94	15,064.1
Selected Underlying Causes		
Heart disease (total)	64	238.4
Ischemic heart disease	35	130.4
Cancer (total)	72	268.2
Trachea/Bronchus/Lung	18	.
Colorectal	7	.
Female breast*	2	.
Cerebrovascular disease	9	.
Lower respiratory disease	19	.
Pneumonia and influenza	4	.
Accidents	15	.
Motor vehicle	3	.
Diabetes	10	.
Infectious/Parasitic diseases	2	.
Suicide	9	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	16	.
Opioids	3	.
Other drugs	0	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatal, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalizations (2017 data)   Juneau County

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	3,116	116.1	4.1	$34,853	$4,045
Age					
<18	408	80.7	3.7	$21,730	$1,755
18-44	611	77.2	3.6	$24,555	$1,896
45-64	792	96.3	4.3	$43,027	$4,142
65+	1,305	230.8	4.3	$38,817	$8,958

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	24	0.9	4.3	$20,289	$18
18-44	7	.	0.0	$0	$0
45-64	12	.	0.0	$0	$0
Drug-related					
Total	23	0.9	3.7	$22,036	$19
18-44	10	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	127	4.7	8.6	$15,573	$74
<18	27	5.3	6.1	$15,308	$82
18-44	68	8.6	7.9	$14,942	$128
45-64	23	2.8	12.6	$15,375	$43
65+	9	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	99	3.7	5.0	$66,780	$246
18-44	9	.	0.0	$0	$0
45-64	36	4.4	5.4	$79,912	$350
65+	51	9.0	5.1	$55,188	$498
Neoplasms: Female Breast (rates for female population)					
Total	4	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	8	.	0.0	$0	$0
65+	5	.	0.0	$0	$0
Neoplasms: Lung					
Total	7	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	39	1.5	3.9	$35,794	$52
65+	7	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	104	3.9	4.1	$73,442	$284
45-64	42	5.1	4.1	$80,394	$410
65+	60	10.6	4.2	$69,797	$741
Cerebrovascular Disease					
Total	87	3.2	4.5	$42,361	$137
45-64	19	.	0.0	$0	$0
65+	62	11.0	4.1	$40,191	$441
CHRONIC PULMONARY DISEASE					
Asthma					
Total	11	.	0.0	$0	$0
<18	4	.	0.0	$0	$0
18-44	2	.	0.0	$0	$0
45-64	3	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	86	3.2	3.3	$19,583	$63
45-64	31	3.8	3.0	$18,761	$71
65+	52	9.2	3.5	$20,254	$186
PNEUMONIA and INFLUENZA					
Total	116	4.3	3.3	$17,644	$76
<18	8	.	0.0	$0	$0
45-64	28	3.4	2.6	$14,106	$48
65+	74	13.1	3.6	$19,298	$253

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			26,849
County population rank (1-72)			46
Population per square mile			35
County rank in population density (1-72)			44
Population growth 2013-2017			49
County rank in 5-year population growth (1-72)			37

	Female	Male	Total
Total	12,613	14,236	26,849
Age			
0-14	2,045	2,156	4,201
15-17	409	443	852
18-19	322	290	612
20-24	600	692	1,292
25-44	2,550	3,460	6,010
45-64	3,811	4,416	8,227
65-84	2,473	2,558	5,031
85+	403	221	624
Race/Ethnicity			
White	11,922	12,929	24,852
African American	92	585	677
American Indian	160	201	361
Hispanic	340	465	805
Asian	98	55	154

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	14.8%	5.6%
Ages 0-17	22.4%	9.8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$39,189

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	13,626
Unemployment rate	3.3%
Five-year avg. unemployment rate (2013-2017)	5.46%
Median household income	$50,931
Rank in median household income (1-72)	51

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	22	177.9	121.8	73.7	193.0
Melanoma	9	34.1	24.1	10.9	48.3
Colorectal	18	68.3	50.0	29.1	81.8
Lung and bronchus	30	113.8	70.3	47.2	103.1
Prostate*	22	157.2	109.7	67.3	172.1
Total	192	728.4	497.1	426.8	577.0

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	5
Babesiosis	<5
Blastomycosis	0
Campylobacter enteritis	5
Cryptosporidiosis	6
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	<5
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	29
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	23
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	0
Salmonellosis	8
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	77
Gonorrhea (all stages)	8
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	174	5
Alcohol-related	21	2
With citation for OWI	4	0
With citation for speeding	23	0
Motorcyclist	13	0
Bicyclist	2	0
Pedestrian	4	1

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	1,873
Crude live birth rate (per 1,000)	11.2
General fertility rate (per 1,000)	55.8

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	16	0.9
Other vaginal	1,190	63.5
Vaginal vacuum	57	3.0
Forceps	3	0.2
Primary cesarean	364	19.4
Repeat cesarean	240	12.8
Cesarean (unk. repeat/primary)	2	0.1
Other/Unknown	1	0.1
Prenatal Care Visits		
No visits	20	1.1
1-4	50	2.7
5-9	262	14.0
10-12	753	40.2
13+	760	40.6
Unknown	28	1.5
First Prenatal Care Visit		
First trimester	1,362	72.7
Second trimester	380	20.3
Third trimester	65	3.5
No visits	20	1.1
Unknown	46	2.5

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	990	52.9
Unmarried	867	46.3
Unknown	16	0.9
Education		
Elementary or less	33	1.8
Some high school	128	6.8
High school graduate	514	27.4
Some college	666	35.6
College graduate	514	27.4
Unknown	18	1.0
Smoking		
Smoker	198	10.6
Nonsmoker	1,674	89.4
Unknown	1	0.9

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	27	1.4
1,500-2,499 gm	142	7.6
2,500+ gm	1,702	90.9
Unknown	2	0.1
Birth Order		
First	693	37.0
Second	594	31.7
Third	358	19.1
Fourth or higher	228	12.2
Unknown	0	0.0
Reported congenital anomalies [1]	10	0.5

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	1,211	64.7	103	8.5	934	77.1	199	16.4	78	6.4
Black/African-American	229	12.2	33	14.4	133	58.1	73	31.9	23	10.0
American Indian	3	0.2	0	0.0	2	66.7	1	33.3	0	0.0
Hispanic/Latino	323	17.2	21	6.5	209	64.7	93	28.8	21	6.5
Asian	30	1.6	2	6.7	24	80.0	6	20.0	0	0.0
Two or more races	61	3.3	9	14.8	47	77.0	7	11.5	7	11.5
Other/Unknown	16	0.9	1	6.2	13	81.2	1	6.2	2	12.5
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	1	--	0	0.0	1	100.0	0	0.0	0	0.0
15-17	22	6.3	4	18.2	10	45.5	7	31.8	5	22.7
18-19	89	37.9	12	13.5	45	50.6	34	38.2	10	11.2
20-24	387	71.0	36	9.3	263	68.0	94	24.3	30	7.8
25-29	591	100.6	38	6.4	440	74.5	112	19.0	39	6.6
30-34	516	91.1	52	10.1	400	77.5	85	16.5	31	6.0
35-39	227	41.0	22	9.7	175	77.1	37	16.3	15	6.6
40+	40	7.6	5	12.5	28	70.0	11	27.5	1	2.5
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	112	19.2								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Deaths (2017 data)

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	15	.
Neonatal	11	.
Fetal	4	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	16	.
Neonatal	11	.
Postneonatal	5	.
Birthweight		
< 1,500 gm	8	.
1,500-2,499 gm	1	.
2,500+ gm	4	.
Unknown	2	.
Race of Mother		
White	9	.
Black	4	.
Hispanic	2	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	1,447	
Crude death rate (per 100,000)	862.4	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	0	.
15-19	8	.
20-34	36	104.3
35-54	140	313.9
55-64	195	885.9
65-74	276	2,118.4
75-84	350	5,600.0
85+	425	14,309.8
Selected Underlying Causes		
Heart disease (total)	338	201.4
Ischemic heart disease	215	128.1
Cancer (total)	283	168.7
Trachea/Bronchus/Lung	87	51.9
Colorectal	25	14.9
Female breast*	14	.
Cerebrovascular disease	80	47.7
Lower respiratory disease	96	57.2
Pneumonia and influenza	27	16.1
Accidents	114	67.9
Motor vehicle	18	.
Diabetes	47	28.0
Infectious/Parasitic diseases	23	13.7
Suicide	24	14.3
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	74	43.8
Opioids	45	26.8
Other drugs	6	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	16,230	96.7	4.5	$38,763	$3,749
Age					
<18	2,486	62.7	3.9	$17,429	$1,093
18-44	3,909	64.7	3.7	$26,088	$1,687
45-64	4,132	90.9	4.9	$51,565	$4,689
65+	5,703	256.3	5.1	$47,474	$12,169

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	362	2.2	4.8	$24,516	$53
18-44	122	2.0	4.2	$21,131	$43
45-64	212	4.7	4.9	$24,622	$115
Drug-related					
Total	105	0.6	3.2	$23,417	$15
18-44	49	0.8	3.9	$28,346	$23
MENTAL HEALTH DISORDERS					
Total	1,322	7.9	7.0	$14,715	$116
<18	308	7.8	7.3	$17,104	$133
18-44	710	11.7	6.5	$13,033	$153
45-64	253	5.6	7.7	$15,081	$84
65+	51	2.3	8.8	$21,878	$50
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	454	2.7	6.7	$81,693	$221
18-44	43	0.7	5.7	$90,348	$64
45-64	180	4.0	6.4	$84,748	$336
65+	227	10.2	7.0	$75,776	$773
Neoplasms: Female Breast (rates for female population)					
Total	18	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	43	0.3	7.7	$81,011	$21
65+	22	1.0	8.9	$84,480	$84
Neoplasms: Lung					
Total	53	0.3	5.5	$64,199	$20

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	258	1.5	4.5	$37,941	$58
65+	63	2.8	5.8	$52,411	$148
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	415	2.5	5.4	$91,871	$227
45-64	146	3.2	5.0	$102,456	$329
65+	257	11.6	5.7	$86,740	$1,002
Cerebrovascular Disease					
Total	407	2.4	5.9	$59,557	$144
45-64	108	2.4	6.5	$71,001	$169
65+	266	12.0	5.6	$52,182	$624
CHRONIC PULMONARY DISEASE					
Asthma					
Total	70	0.4	3.1	$17,669	$7
<18	9	.	0.0	$0	$0
18-44	22	0.4	2.6	$17,374	$6
45-64	30	0.7	3.2	$17,463	$12
65+	9	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	459	2.7	4.4	$26,488	$72
45-64	160	3.5	4.1	$24,055	$85
65+	297	13.3	4.6	$27,542	$368
PNEUMONIA and INFLUENZA					
Total	368	2.2	4.5	$27,828	$61
<18	16	.	0.0	$0	$0
45-64	91	2.0	4.0	$27,936	$56
65+	234	10.5	4.8	$28,541	$300

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			167,790
County population rank (1-72)			8
Population per square mile			617
County rank in population density (1-72)			3
Population growth 2013-2017			476
County rank in 5-year population growth (1-72)			18

	Female	Male	Total
Total	84,610	83,180	167,790
Age			
0-14	15,851	16,537	32,388
15-17	3,493	3,764	7,257
18-19	2,348	2,432	4,780
20-24	5,447	5,778	11,225
25-44	22,305	22,142	44,447
45-64	22,870	22,574	45,444
65-84	10,312	8,967	19,279
85+	1,984	986	2,970
Race/Ethnicity			
White	64,964	63,759	128,723
African American	6,561	6,461	13,023
American Indian	320	306	626
Hispanic	11,073	11,292	22,364
Asian	1,691	1,362	3,054

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	11.4%	3%
Ages 0-17	16%	6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$41,728

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	89,831
Unemployment rate	3.9%
Five-year avg. unemployment rate (2013-2017)	5.46%
Median household income	$61,312
Rank in median household income (1-72)	14

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	131	154.5	133.2	110.8	159.0
Melanoma	43	25.6	24.0	17.2	32.7
Colorectal	82	48.8	44.5	35.2	55.6
Lung and bronchus	136	81.0	74.4	62.1	88.4
Prostate*	122	146.8	120.5	99.4	145.1
Total	947	564.1	500.6	468.4	534.6

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Diseases (2017 data)

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

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Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	0
Babesiosis	0
Blastomycosis	6
Campylobacter enteritis	21
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	10
Giardiasis	8
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	59
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	5
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	<5
Pertussis	33
Salmonellosis	31
Streptococcal disease (Group A)	10
Streptococcal disease (Group B)	15
Sexually Transmitted Disease	
Chlamydia trachomatis	876
Gonorrhea (all stages)	224
Syphilis (all stages)	24

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	1,673	18
Alcohol-related	89	6
With citation for OWI	44	2
With citation for speeding	61	0
Motorcyclist	59	4
Bicyclist	23	1
Pedestrian	36	2

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	199
Crude live birth rate (per 1,000)	9.7
General fertility rate (per 1,000)	61.9

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	4	2.0
Other vaginal	131	65.8
Vaginal vacuum	8	4.0
Forceps	3	1.5
Primary cesarean	26	13.1
Repeat cesarean	27	13.6
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	0.5
1-4	1	0.5
5-9	14	7.0
10-12	56	28.1
13+	125	62.8
Unknown	2	1.0
First Prenatal Care Visit		
First trimester	164	82.4
Second trimester	24	12.1
Third trimester	8	4.0
No visits	1	0.5
Unknown	2	1.0

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	139	69.8
Unmarried	60	30.2
Unknown	0	0.0
Education		
Elementary or less	1	0.5
Some high school	10	5.0
High school graduate	46	23.1
Some college	78	39.2
College graduate	64	32.2
Unknown	0	0.0
Smoking		
Smoker	28	14.1
Nonsmoker	170	85.4
Unknown	1	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	3	1.5
1,500-2,499 gm	10	5.0
2,500+ gm	186	93.5
Unknown	0	0.0
Birth Order		
First	65	32.7
Second	80	40.2
Third	34	17.1
Fourth or higher	20	10.1
Unknown	0	0.0
Reported congenital anomalies [1]	3	1.5

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	185	93.0	13	7.0	153	82.7	22	11.9	10	5.4
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	12	6.0	0	0.0	10	83.3	1	8.3	1	8.3
Asian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Two or more races	1	0.5	0	0.0	0	0.0	1	100.0	0	0.0
Other/Unknown	1	0.5	0	0.0	1	100.0	0	0.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	0	.	0	0.0	0	0.0	0	0.0	0	0.0
18-19	11	.	0	0.0	7	63.6	2	18.2	2	18.2
20-24	32	68.2	1	3.1	26	81.2	4	12.5	2	6.2
25-29	65	143.2	7	10.8	53	81.5	10	15.4	2	3.1
30-34	67	132.1	3	4.5	58	86.6	5	7.5	4	6.0
35-39	20	34.8	2	10.0	17	85.0	2	10.0	1	5.0
40+	4	.	0	0.0	3	75.0	1	25.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	11	17.5								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	3	.
Neonatal	2	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	2	.
Neonatal	2	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	2	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	2	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	212	
Crude death rate (per 100,000)	1,028.8	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	0	.
20-34	4	.
35-54	14	.
55-64	21	657.7
65-74	35	1,547.3
75-84	54	4,587.9
85+	82	14,137.9
Selected Underlying Causes		
Heart disease (total)	33	160.1
Ischemic heart disease	19	.
Cancer (total)	50	242.6
Trachea/Bronchus/Lung	7	.
Colorectal	5	.
Female breast*	3	.
Cerebrovascular disease	12	.
Lower respiratory disease	9	.
Pneumonia and influenza	5	.
Accidents	13	.
Motor vehicle	5	.
Diabetes	8	.
Infectious/Parasitic diseases	0	.
Suicide	1	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	11	.
Opioids	0	.
Other drugs	0	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	1,840	89.3	4.0	$34,288	$3,062
Age					
<18	271	60.5	3.9	$21,650	$1,309
18-44	365	60.5	3.5	$20,712	$1,254
45-64	415	68.3	4.2	$46,050	$3,146
65+	789	196.3	4.2	$38,722	$7,602

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	11	.	0.0	$0	$0
18-44	5	.	0.0	$0	$0
45-64	6	.	0.0	$0	$0
Drug-related					
Total	7	.	0.0	$0	$0
18-44	4	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	94	4.6	6.6	$12,258	$56
<18	20	4.5	7.2	$15,578	$69
18-44	49	8.1	5.8	$9,847	$80
45-64	22	3.6	8.2	$15,005	$54
65+	3	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	69	3.3	5.4	$58,722	$197
18-44	8	.	0.0	$0	$0
45-64	21	3.5	5.1	$65,228	$226
65+	40	10.0	6.0	$59,562	$593
Neoplasms: Female Breast (rates for female population)					
Total	3	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	7	.	0.0	$0	$0
65+	5	.	0.0	$0	$0
Neoplasms: Lung					
Total	6	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	29	1.4	4.2	$36,652	$52
65+	7	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	67	3.3	4.3	$71,445	$232
45-64	25	4.1	4.4	$77,464	$319
65+	41	10.2	4.3	$67,911	$693
Cerebrovascular Disease					
Total	75	3.6	4.7	$30,577	$111
45-64	21	3.5	3.2	$34,159	$118
65+	51	12.7	4.9	$27,840	$353
CHRONIC PULMONARY DISEASE					
Asthma					
Total	8	.	0.0	$0	$0
<18	4	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
45-64	2	.	0.0	$0	$0
65+	1	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	22	1.1	3.4	$24,043	$26
45-64	3	.	0.0	$0	$0
65+	18	.	0.0	$0	$0
PNEUMONIA and INFLUENZA					
Total	38	1.8	3.3	$19,970	$37
<18	3	.	0.0	$0	$0
45-64	4	.	0.0	$0	$0
65+	30	7.5	3.5	$20,983	$157

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

Kewaunee County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		20,606
County population rank (1-72)		52
Population per square mile		60
County rank in population density (1-72)		31
Population growth 2013-2017		22
County rank in 5-year population growth (1-72)		44

	Female	Male	Total
Total	10,097	10,509	20,606
Age			
0-14	1,798	1,892	3,690
15-17	379	414	793
18-19	251	287	538
20-24	469	549	1,018
25-44	2,116	2,358	4,474
45-64	2,982	3,092	6,074
65-84	1,728	1,711	3,439
85+	374	206	580
Race/Ethnicity			
White	9,634	9,950	19,584
African American	61	103	164
American Indian	60	59	120
Hispanic	284	366	650
Asian	58	31	89

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	8%	2.8%
Ages 0-17	8.6%	4.6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$38,242

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	11,216
Unemployment rate	3.1%
Five-year avg. unemployment rate (2013-2017)	4.46%
Median household income	$62,107
Rank in median household income (1-72)	12

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	10	99.5	79.3	35.7	154.4
Melanoma	6	29.4	24.4	8.2	56.7
Colorectal	12	58.9	43.9	21.7	81.0
Lung and bronchus	14	68.7	51.6	27.6	89.9
Prostate*	15	145.1	93.5	51.7	161.9
Total	126	618.1	448.8	370.8	539.8

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	0
Babesiosis	0
Blastomycosis	<5
Campylobacter enteritis	12
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	<5
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	9
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	5
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	<5
Salmonellosis	<5
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	32
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	87	3
Alcohol-related	12	1
With citation for OWI	4	0
With citation for speeding	8	0
Motorcyclist	3	0
Bicyclist	0	0
Pedestrian	2	1

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Births (2017 data)

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS
Total live births		1,188
Crude live birth rate (per 1,000)		10.1
General fertility rate (per 1,000)		48.1

PREGNANCY CHARACTERISTICS
Delivery Type	Births	%
Vaginal after prev. cesarean	47	4.0
Other vaginal	883	74.3
Vaginal vacuum	35	2.9
Forceps	5	0.4
Primary cesarean	127	10.7
Repeat cesarean	91	7.7
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	5	0.4
1-4	13	1.1
5-9	192	16.2
10-12	522	43.9
13+	452	38.0
Unknown	4	0.3
First Prenatal Care Visit		
First trimester	992	83.5
Second trimester	170	14.3
Third trimester	19	1.6
No visits	5	0.4
Unknown	2	0.2

MATERNAL CHARACTERISTICS
Marital Status	Births	%
Married	847	71.3
Unmarried	339	28.5
Unknown	2	0.2
Education		
Elementary or less	14	1.2
Some high school	32	2.7
High school graduate	252	21.2
Some college	351	29.5
College graduate	539	45.4
Unknown	0	0.0
Smoking		
Smoker	137	11.5
Nonsmoker	1,049	88.3
Unknown	2	0.2

INFANT CHARACTERISTICS
Birthweight	Births	%
< 1,500 gm	8	0.7
1,500-2,499 gm	69	5.8
2,500+ gm	1,111	93.5
Unknown	0	0.0
Birth Order		
First	426	35.9
Second	395	33.2
Third	219	18.4
Fourth or higher	148	12.5
Unknown	0	0.0
Reported congenital anomalies [1]	8	0.7

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	1,016	85.5	65	6.4	875	86.1	124	12.2	17	1.7
Black/African-American	23	1.9	3	13.0	16	69.6	5	21.7	2	8.7
American Indian	2	0.2	0	0.0	2	100.0	0	0.0	0	0.0
Hispanic/Latino	24	2.0	1	4.2	14	58.3	6	25.0	4	16.7
Asian	95	8.0	7	7.4	62	65.3	30	31.6	3	3.2
Two or more races	25	2.1	1	4.0	21	84.0	4	16.0	0	0.0
Other/Unknown	3	0.3	0	0.0	2	66.7	1	33.3	0	0.0
Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	3	.	0	0.0	2	66.7	0	0.0	1	33.3
18-19	25	12.8	4	16.0	19	76.0	6	24.0	0	0.0
20-24	176	25.7	13	7.4	125	71.0	48	27.3	3	1.7
25-29	386	106.5	19	4.9	333	86.3	48	12.4	5	1.3
30-34	431	130.3	26	6.0	370	85.8	51	11.8	10	2.3
35-39	150	45.6	13	8.7	129	86.0	15	10.0	6	4.0
40+	17	.	2	11.8	14	82.4	2	11.8	1	5.9
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	28	5.9								

Trimester of First Prenatal Visit

DEFINITIONS
Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES
Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES
[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	8	.
Neonatal	4	.
Fetal	4	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	7	.
Neonatal	4	.
Postneonatal	3	.
Birthweight		
< 1,500 gm	3	.
1,500-2,499 gm	1	.
2,500+ gm	3	.
Unknown	0	.
Race of Mother		
White	5	.
Black	0	.
Hispanic	0	.
Asian	2	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	1,050
Crude death rate (per 100,000)	890.8

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	1	.
15-19	1	.
20-34	31	113.1
35-54	86	327.5
55-64	118	771.2
65-74	185	1,649.6
75-84	245	4,330.2
85+	376	13,174.5
Selected Underlying Causes		
Heart disease (total)	198	168.0
Ischemic heart disease	102	86.5
Cancer (total)	231	196.0
Trachea/Bronchus/Lung	66	56.0
Colorectal	15	.
Female breast*	16	.
Cerebrovascular disease	60	50.9
Lower respiratory disease	52	44.1
Pneumonia and influenza	24	20.4
Accidents	78	66.2
Motor vehicle	10	.
Diabetes	28	23.8
Infectious/Parasitic diseases	11	.
Suicide	24	20.4
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	53	44.6
Opioids	19	.
Other drugs	8	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	10,255	87.0	4.0	$28,965	$2,520
Age					
<18	1,640	64.2	3.4	$15,683	$1,006
18-44	2,595	59.4	3.5	$21,348	$1,269
45-64	2,257	78.0	4.4	$37,263	$2,907
65+	3,763	190.8	4.5	$35,029	$6,682

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	216	1.8	4.0	$18,584	$34
18-44	89	2.0	3.3	$15,449	$31
45-64	112	3.9	4.3	$19,343	$75
Drug-related					
Total	113	1.0	3.8	$17,582	$17
18-44	72	1.6	3.8	$17,427	$29
MENTAL HEALTH DISORDERS					
Total	906	7.7	7.0	$16,191	$124
<18	157	6.1	6.8	$16,008	$98
18-44	507	11.6	5.9	$13,437	$156
45-64	194	6.7	8.2	$19,712	$132
65+	48	2.4	13.6	$31,644	$77
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	302	2.6	5.6	$59,474	$152
18-44	24	0.5	3.8	$57,364	$32
45-64	111	3.8	4.9	$57,639	$221
65+	158	8.0	6.1	$56,748	$455
Neoplasms: Female Breast (rates for female population)					
Total	3	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	30	0.3	5.3	$53,616	$14
65+	21	1.1	5.8	$61,033	$65
Neoplasms: Lung					
Total	35	0.3	7.3	$57,144	$17

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	128	1.1	4.1	$30,687	$33
65+	39	2.0	4.9	$31,812	$63
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	246	2.1	3.6	$50,684	$106
45-64	90	3.1	3.1	$48,505	$151
65+	153	7.8	3.9	$51,594	$400
Cerebrovascular Disease					
Total	282	2.4	6.3	$41,706	$100
45-64	62	2.1	7.9	$51,399	$110
65+	204	10.3	5.6	$37,755	$390
CHRONIC PULMONARY DISEASE					
Asthma					
Total	19	.	0.0	$0	$0
<18	5	.	0.0	$0	$0
18-44	8	.	0.0	$0	$0
45-64	2	.	0.0	$0	$0
65+	4	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	154	1.3	3.3	$20,589	$27
45-64	50	1.7	3.1	$20,827	$36
65+	103	5.2	3.4	$20,320	$106
PNEUMONIA and INFLUENZA					
Total	209	1.8	3.4	$19,016	$34
<18	15	.	0.0	$0	$0
45-64	37	1.3	3.9	$22,280	$28
65+	143	7.2	3.6	$19,404	$141

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

La Crosse County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			117,876
County population rank (1-72)			12
Population per square mile			261
County rank in population density (1-72)			11
Population growth 2013-2017			1,410
County rank in 5-year population growth (1-72)			8

	Female	Male	Total
Total	60,307	57,569	117,876
Age			
0-14	9,844	10,413	20,257
15-17	2,756	2,545	5,301
18-19	1,952	1,680	3,632
20-24	6,859	6,192	13,051
25-44	13,133	13,840	26,973
45-64	14,782	14,153	28,935
65-84	9,070	7,803	16,873
85+	1,911	943	2,854
Race/Ethnicity			
White	55,033	52,028	107,060
African American	1,080	1,313	2,393
American Indian	250	263	513
Hispanic	1,089	1,131	2,220
Asian	2,855	2,835	5,689

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	12%	3%
Ages 0-17	10.5%	5.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$43,149

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	67,830
Unemployment rate	2.9%
Five-year avg. unemployment rate (2013-2017)	4.02%
Median household income	$57,145
Rank in median household income (1-72)	28

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	91	150.9	135.7	107.9	168.5
Melanoma	33	28.0	26.8	18.1	38.2
Colorectal	40	34.0	32.4	22.7	44.8
Lung and bronchus	63	53.5	43.6	33.3	56.3
Prostate*	73	127.1	107.9	84.0	136.8
Total	566	480.8	416.5	381.7	453.7

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	10
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	36
Cryptosporidiosis	6
E.coli, shiga toxin-producing (STEC)	17
Ehrlichiosis/Anaplasmosis	6
Giardiasis	17
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	72
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	22
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	8
Pertussis	<5
Salmonellosis	13
Streptococcal disease (Group A)	6
Streptococcal disease (Group B)	5
Sexually Transmitted Disease	
Chlamydia trachomatis	497
Gonorrhea (all stages)	47
Syphilis (all stages)	7

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	791	12
Alcohol-related	40	6
With citation for OWI	12	0
With citation for speeding	55	1
Motorcyclist	46	0
Bicyclist	24	0
Pedestrian	39	1

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	203
Crude live birth rate (per 1,000)	12.0
General fertility rate (per 1,000)	74.2

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	5	2.5
Other vaginal	144	70.9
Vaginal vacuum	4	2.0
Forceps	3	1.5
Primary cesarean	20	9.9
Repeat cesarean	24	11.8
Cesarean (unk. repeat/primary)	2	1.0
Other/Unknown	1	0.5
Prenatal Care Visits		
No visits	0	0.0
1-4	10	4.9
5-9	50	24.6
10-12	54	26.6
13+	83	40.9
Unknown	6	3.0
First Prenatal Care Visit		
First trimester	137	67.5
Second trimester	50	24.6
Third trimester	14	6.9
No visits	0	0.0
Unknown	2	1.0

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	136	67.0
Unmarried	66	32.5
Unknown	1	0.5
Education		
Elementary or less	48	23.6
Some high school	11	5.4
High school graduate	38	18.7
Some college	62	30.5
College graduate	44	21.7
Unknown	0	0.0
Smoking		
Smoker	16	7.9
Nonsmoker	187	92.1
Unknown	0	0.5

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	3	1.5
1,500-2,499 gm	4	2.0
2,500+ gm	196	96.6
Unknown	0	0.0
Birth Order		
First	59	29.1
Second	45	22.2
Third	48	23.6
Fourth or higher	51	25.1
Unknown	0	0.0
Reported congenital anomalies [1]	1	0.5

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	180	88.7	7	3.9	122	67.8	43	23.9	15	8.3
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	23	11.3	0	0.0	15	65.2	7	30.4	1	4.3
Asian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Two or more races	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	0	.	0	0.0	0	0.0	0	0.0	0	0.0
18-19	7	.	1	14.3	5	71.4	1	14.3	1	14.3
20-24	44	105.5	0	0.0	28	63.6	13	29.5	3	6.8
25-29	64	158.0	3	4.7	43	67.2	16	25.0	5	7.8
30-34	61	134.1	2	3.3	42	68.9	16	26.2	3	4.9
35-39	19	.	1	5.3	15	78.9	2	10.5	2	10.5
40+	8	.	0	0.0	4	50.0	2	25.0	2	25.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	7	12.8								

Trimester of First Prenatal Visit — First / Second / Other/Unk. (headers for the right-hand columns above)

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	4	.
Neonatal	1	.
Fetal	3	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	2	.
Neonatal	1	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	1	.
1,500-2,499 gm	1	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	2	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	142	
Crude death rate (per 100,000)	841.6	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	2	.
5-14	0	.
15-19	0	.
20-34	1	.
35-54	5	.
55-64	24	926.6
65-74	20	1,240.7
75-84	30	3,329.6
85+	58	17,522.7
Selected Underlying Causes		
Heart disease (total)	27	160.0
Ischemic heart disease	18	.
Cancer (total)	29	171.9
Trachea/Bronchus/Lung	7	.
Colorectal	2	.
Female breast*	2	.
Cerebrovascular disease	7	.
Lower respiratory disease	12	.
Pneumonia and influenza	3	.
Accidents	12	.
Motor vehicle	5	.
Diabetes	6	.
Infectious/Parasitic diseases	4	.
Suicide	1	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	3	.
Opioids	1	.
Other drugs	0	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	1,582	93.8	4.0	$35,049	$3,286
Age					
<18	269	61.8	3.2	$20,438	$1,263
18-44	294	59.2	3.0	$23,665	$1,400
45-64	345	73.3	4.2	$43,703	$3,205
65+	674	237.0	4.7	$41,417	$9,816

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	15	.	0.0	$0	$0
18-44	7	.	0.0	$0	$0
45-64	7	.	0.0	$0	$0
Drug-related					
Total	10	.	0.0	$0	$0
18-44	7	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	63	3.7	6.9	$15,942	$60
<18	23	5.3	7.9	$17,682	$93
18-44	17	.	0.0	$0	$0
45-64	14	.	0.0	$0	$0
65+	9	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	54	3.2	5.2	$66,373	$212
18-44	4	.	0.0	$0	$0
45-64	18	.	0.0	$0	$0
65+	27	9.5	6.1	$67,628	$642
Neoplasms: Female Breast (rates for female population)					
Total	3	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	4	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Neoplasms: Lung					
Total	1	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	19	.	0.0	$0	$0
65+	8	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	57	3.4	3.7	$74,288	$251
45-64	19	.	0.0	$0	$0
65+	34	12.0	4.5	$82,078	$981
Cerebrovascular Disease					
Total	56	3.3	6.1	$48,002	$159
45-64	21	4.5	8.5	$65,899	$294
65+	32	11.3	4.7	$34,267	$386
CHRONIC PULMONARY DISEASE					
Asthma					
Total	1	.	0.0	$0	$0
<18	1	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	0	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	26	1.5	4.0	$21,379	$33
45-64	6	.	0.0	$0	$0
65+	20	7.0	4.0	$22,541	$159
PNEUMONIA and INFLUENZA					
Total	64	3.8	3.3	$16,905	$64
<18	4	.	0.0	$0	$0
45-64	13	.	0.0	$0	$0
65+	46	16.2	3.6	$18,332	$297

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

Lafayette County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		16,873
County population rank (1-72)		57
Population per square mile		27
County rank in population density (1-72)		56
Population growth 2013-2017		18
County rank in 5-year population growth (1-72)		46

	Female	Male	Total
Total	8,351	8,522	16,873
Age			
0-14	1,790	1,850	3,640
15-17	341	373	714
18-19	207	234	441
20-24	417	496	913
25-44	1,770	1,846	3,616
45-64	2,358	2,347	4,705
65-84	1,269	1,244	2,513
85+	199	132	331
Race/Ethnicity			
White	7,944	8,018	15,961
African American	61	70	132
American Indian	22	21	43
Hispanic	278	381	659
Asian	46	32	78

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	10.9%	4.2%
Ages 0-17	16.1%	7.8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$35,799

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	10,180
Unemployment rate	2.5%
Five-year avg. unemployment rate (2013-2017)	3.8%
Median household income	$55,586
Rank in median household income (1-72)	35

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	13	156.2	124.4	62.9	222.8
Melanoma	^	^	^	^	^
Colorectal	^	^	^	^	^
Lung and bronchus	9	53.6	37.3	16.8	75.0
Prostate*	14	165.6	120.9	64.6	211.0
Total	88	524.6	398.8	315.8	498.2

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	0
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	14
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	0
Giardiasis	<5
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	<5
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	<5
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	0
Salmonellosis	5
Streptococcal disease (Group A)	0
Streptococcal disease (Group B)	0
Sexually Transmitted Disease	
Chlamydia trachomatis	34
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	78	4
Alcohol-related	12	2
With citation for OWI	7	1
With citation for speeding	9	0
Motorcyclist	9	0
Bicyclist	0	0
Pedestrian	0	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	196
Crude live birth rate (per 1,000)	10.0
General fertility rate (per 1,000)	68.5

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	4	2.0
Other vaginal	133	67.9
Vaginal vacuum	6	3.1
Forceps	0	0.0
Primary cesarean	30	15.3
Repeat cesarean	23	11.7
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	0	0.0
1-4	7	3.6
5-9	27	13.8
10-12	85	43.4
13+	77	39.3
Unknown	0	0.0
First Prenatal Care Visit		
First trimester	170	86.7
Second trimester	20	10.2
Third trimester	6	3.1
No visits	0	0.0
Unknown	0	0.0

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	110	56.1
Unmarried	86	43.9
Unknown	0	0.0
Education		
Elementary or less	2	1.0
Some high school	21	10.7
High school graduate	68	34.7
Some college	61	31.1
College graduate	44	22.4
Unknown	0	0.0
Smoking		
Smoker	33	16.8
Nonsmoker	161	82.1
Unknown	2	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	1	0.5
1,500-2,499 gm	8	4.1
2,500+ gm	187	95.4
Unknown	0	0.0
Birth Order		
First	80	40.8
Second	60	30.6
Third	36	18.4
Fourth or higher	20	10.2
Unknown	0	0.0
Reported congenital anomalies [1]	0	0.0

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	180	91.8	9	5.0	158	87.8	17	9.4	5	2.8
Black/African-American	1	0.5	0	0.0	0	0.0	1	100.0	0	0.0
American Indian	7	3.6	0	0.0	5	71.4	1	14.3	1	14.3
Hispanic/Latino	5	2.6	0	0.0	4	80.0	1	20.0	0	0.0
Asian	1	0.5	0	0.0	1	100.0	0	0.0	0	0.0
Two or more races	2	1.0	0	0.0	2	100.0	0	0.0	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	4	.	0	0.0	2	50.0	1	25.0	1	25.0
18-19	6	.	0	0.0	5	83.3	0	0.0	1	16.7
20-24	51	115.4	2	3.9	46	90.2	4	7.8	1	2.0
25-29	67	149.2	2	3.0	55	82.1	12	17.9	0	0.0
30-34	50	105.9	4	8.0	48	96.0	1	2.0	1	2.0
35-39	13	.	0	0.0	10	76.9	2	15.4	1	7.7
40+	5	.	1	20.0	4	80.0	0	0.0	1	20.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	10	19.3								

Trimester of First Prenatal Visit (spanning First / Second / Other/Unk. columns above)

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	1	.
Neonatal	0	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	0	.
Neonatal	0	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	0	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	216	
Crude death rate (per 100,000)	1,097.2	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	1	.
20-34	4	.
35-54	14	.
55-64	23	673.3
65-74	40	1,552.8
75-84	53	3,802.0
85+	81	13,752.1
Selected Underlying Causes		
Heart disease (total)	62	314.9
Ischemic heart disease	33	167.6
Cancer (total)	46	233.7
Trachea/Bronchus/Lung	12	.
Colorectal	5	.
Female breast*	1	.
Cerebrovascular disease	16	.
Lower respiratory disease	15	.
Pneumonia and influenza	1	.
Accidents	12	.
Motor vehicle	5	.
Diabetes	3	.
Infectious/Parasitic diseases	6	.
Suicide	4	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	8	.
Opioids	0	.
Other drugs	2	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatal, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	2,371	120.4	3.9	$28,404	$3,421
Age					
<18	273	73.9	3.3	$14,953	$1,105
18-44	456	85.6	4.0	$22,618	$1,937
45-64	510	83.5	4.1	$35,570	$2,970
65+	1,132	248.3	3.9	$30,750	$7,635

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	22	1.1	3.9	$18,672	$21
18-44	7	.	0.0	$0	$0
45-64	11	.	0.0	$0	$0
Drug-related					
Total	15	.	0.0	$0	$0
18-44	4	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	163	8.3	6.7	$10,680	$88
<18	21	5.7	7.9	$11,653	$66
18-44	107	20.1	5.8	$8,464	$170
45-64	31	5.1	8.5	$15,757	$80
65+	4	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	86	4.4	4.9	$52,351	$229
18-44	5	.	0.0	$0	$0
45-64	27	4.4	5.0	$63,910	$283
65+	54	11.8	5.1	$48,098	$570
Neoplasms: Female Breast (rates for female population)					
Total	0	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	8	.	0.0	$0	$0
65+	8	.	0.0	$0	$0
Neoplasms: Lung					
Total	8	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	34	1.7	4.9	$37,626	$65
65+	8	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	67	3.4	3.5	$58,210	$198
45-64	25	4.1	2.9	$52,776	$216
65+	40	8.8	3.9	$60,776	$533
Cerebrovascular Disease					
Total	73	3.7	5.4	$46,131	$171
45-64	20	3.3	7.7	$67,537	$221
65+	47	10.3	4.3	$30,467	$314
CHRONIC PULMONARY DISEASE					
Asthma					
Total	2	.	0.0	$0	$0
<18	1	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
45-64	0	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	35	1.8	3.5	$18,540	$33
45-64	7	.	0.0	$0	$0
65+	26	5.7	3.3	$15,872	$91
PNEUMONIA and INFLUENZA					
Total	66	3.4	3.5	$16,495	$55
<18	6	.	0.0	$0	$0
45-64	13	.	0.0	$0	$0
65+	44	9.7	3.8	$16,450	$159

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			19,687
County population rank (1-72)			54
Population per square mile			23
County rank in population density (1-72)			58
Population growth 2013-2017			-64
County rank in 5-year population growth (1-72)			59

	Female	Male	Total
Total	9,773	9,914	19,687
Age			
0-14	1,457	1,554	3,011
15-17	318	367	685
18-19	200	233	433
20-24	442	496	938
25-44	1,901	2,052	3,953
45-64	3,045	3,063	6,108
65-84	2,025	1,945	3,970
85+	385	204	589
Race/Ethnicity			
White	9,270	9,392	18,662
African American	121	156	277
American Indian	121	117	238
Hispanic	199	205	404
Asian	63	43	106

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	14%	5.6%
Ages 0-17	20.5%	10.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$34,539

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	9,667
Unemployment rate	4.2%
Five-year avg. unemployment rate (2013-2017)	6.42%
Median household income	$46,910
Rank in median household income (1-72)	63

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	12	126.9	86.4	42.4	162.8
Melanoma	6	31.4	22.5	6.8	56.2
Colorectal	16	83.8	47.9	27.1	83.0
Lung and bronchus	25	131.0	76.4	48.5	118.4
Prostate*	15	155.8	90.3	50.0	159.1
Total	141	738.8	459.9	382.2	551.1

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	7
Babesiosis	<5
Blastomycosis	0
Campylobacter enteritis	<5
Cryptosporidiosis	0
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	12
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	0
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	8
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	0
Salmonellosis	5
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	35
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	114	2
Alcohol-related	9	0
With citation for OWI	6	0
With citation for speeding	11	1
Motorcyclist	7	0
Bicyclist	0	0
Pedestrian	2	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	172	63.7
Unmarried	96	35.6
Unknown	2	0.7
Education		
Elementary or less	6	2.2
Some high school	15	5.6
High school graduate	78	28.9
Some college	107	39.6
College graduate	63	23.3
Unknown	1	0.4
Smoking		
Smoker	65	24.1
Nonsmoker	204	75.6
Unknown	1	0.7

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births		270
Crude live birth rate (per 1,000)		9.5
General fertility rate (per 1,000)		63.1

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	10	3.7
Other vaginal	181	67.0
Vaginal vacuum	4	1.5
Forceps	0	0.0
Primary cesarean	40	14.8
Repeat cesarean	35	13.0
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	0.4
1-4	10	3.7
5-9	47	17.4
10-12	119	44.1
13+	89	33.0
Unknown	4	1.5
First Prenatal Care Visit		
First trimester	204	75.6
Second trimester	49	18.1
Third trimester	8	3.0
No visits	1	0.4
Unknown	8	3.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	2	0.7
1,500-2,499 gm	17	6.3
2,500+ gm	251	93.0
Unknown	0	0.0
Birth Order		
First	87	32.2
Second	96	35.6
Third	53	19.6
Fourth or higher	34	12.6
Unknown	0	0.0
Reported congenital anomalies [1]	2	0.7

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	259	95.9	19	7.3	197	76.1	46	17.8	16	6.2
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	1	0.4	0	0.0	0	0.0	0	0.0	1	100.0
Hispanic/Latino	3	1.1	0	0.0	3	100.0	0	0.0	0	0.0
Asian	1	0.4	0	0.0	0	0.0	1	100.0	0	0.0
Two or more races	6	2.2	0	0.0	4	66.7	2	33.3	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	1	.	0	0.0	0	0.0	0	0.0	1	100.0
18-19	7	.	2	28.6	5	71.4	0	0.0	2	28.6
20-24	69	101.8	5	7.2	51	73.9	15	21.7	3	4.3
25-29	96	156.4	3	3.1	71	74.0	19	19.8	6	6.2
30-34	65	98.2	4	6.2	51	78.5	12	18.5	2	3.1
35-39	28	37.0	3	10.7	22	78.6	3	10.7	3	10.7
40+	4	.	2	50.0	4	100.0	0	0.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	8	10.0								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Deaths (2017 data)

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	1	.
Neonatal	0	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	0	.
Neonatal	0	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	0	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	342	
Crude death rate (per 100,000)	1,202.0	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	1	.
20-34	8	.
35-54	26	361.1
55-64	55	1,087.6
65-74	55	1,644.7
75-84	69	3,595.6
85+	128	14,883.7
Selected Underlying Causes		
Heart disease (total)	79	277.7
Ischemic heart disease	47	165.2
Cancer (total)	60	210.9
Trachea/Bronchus/Lung	16	.
Colorectal	5	.
Female breast*	3	.
Cerebrovascular disease	13	.
Lower respiratory disease	27	94.9
Pneumonia and influenza	4	.
Accidents	21	73.8
Motor vehicle	7	.
Diabetes	9	.
Infectious/Parasitic diseases	6	.
Suicide	5	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	19	.
Opioids	1	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	3,658	128.6	3.8	$27,277	$3,507
Age					
<18	440	83.1	3.3	$17,267	$1,435
18-44	676	86.7	3.6	$20,390	$1,767
45-64	905	98.0	4.0	$33,341	$3,266
65+	1,637	267.4	4.0	$29,458	$7,876

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	57	2.0	4.4	$20,985	$42
18-44	17	.	0.0	$0	$0
45-64	31	3.4	4.5	$23,241	$78
Drug-related					
Total	22	0.8	1.9	$10,105	$8
18-44	10	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	174	6.1	8.3	$13,546	$83
<18	26	4.9	9.2	$13,604	$67
18-44	91	11.7	7.6	$12,088	$141
45-64	46	5.0	8.3	$14,043	$70
65+	11	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	121	4.3	5.2	$48,170	$205
18-44	6	.	0.0	$0	$0
45-64	44	4.8	5.7	$55,759	$266
65+	70	11.4	5.0	$42,648	$488
Neoplasms: Female Breast (rates for female population)					
Total	3	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	14	.	0.0	$0	$0
65+	11	.	0.0	$0	$0
Neoplasms: Lung					
Total	14	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	51	1.8	3.8	$26,404	$47
65+	17	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	140	4.9	4.0	$58,991	$290
45-64	56	6.1	3.3	$57,265	$347
65+	81	13.2	4.5	$60,992	$807
Cerebrovascular Disease					
Total	80	2.8	4.2	$27,664	$78
45-64	13	.	0.0	$0	$0
65+	65	10.6	4.2	$25,416	$270
CHRONIC PULMONARY DISEASE					
Asthma					
Total	7	.	0.0	$0	$0
<18	3	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
45-64	1	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	70	2.5	3.5	$15,033	$37
45-64	18	.	0.0	$0	$0
65+	51	8.3	3.6	$14,747	$123
PNEUMONIA and INFLUENZA					
Total	90	3.2	3.5	$15,227	$48
<18	14	.	0.0	$0	$0
45-64	16	.	0.0	$0	$0
65+	57	9.3	3.6	$14,670	$137

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		28,453
County population rank (1-72)		44
Population per square mile		32
County rank in population density (1-72)		47
Population growth 2013-2017		-422
County rank in 5-year population growth (1-72)		70

	Female	Male	Total
Total	14,153	14,300	28,453
Age			
0-14	2,104	2,194	4,298
15-17	451	544	995
18-19	348	394	742
20-24	678	784	1,462
25-44	2,801	2,794	5,595
45-64	4,509	4,729	9,238
65-84	2,706	2,557	5,263
85+	556	304	860
Race/Ethnicity			
White	13,692	13,687	27,379
African American	95	244	339
American Indian	68	66	134
Hispanic	202	231	434
Asian	96	71	167

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	10.3%	3.8%
Ages 0-17	14.1%	6.8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$40,815

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	15,538
Unemployment rate	3.6%
Five-year avg. unemployment rate (2013-2017)	5.5%
Median household income	$55,564
Rank in median household income (1-72)	36

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	28	203.5	131.2	84.7	198.0
Melanoma	^	^	^	^	^
Colorectal	16	57.4	38.8	21.5	66.5
Lung and bronchus	24	86.2	50.6	32.2	78.4
Prostate*	25	177.4	102.1	65.6	157.1
Total	204	732.4	462.5	398.7	535.2

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	10
Babesiosis	<5
Blastomycosis	<5
Campylobacter enteritis	12
Cryptosporidiosis	7
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	14
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	22
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	30
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	0
Salmonellosis	6
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	52
Gonorrhea (all stages)	7
Syphilis (all stages)	0

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	182	5
Alcohol-related	22	3
With citation for OWI	11	1
With citation for speeding	5	0
Motorcyclist	13	1
Bicyclist	3	0
Pedestrian	2	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	494	63.3
Unmarried	284	36.4
Unknown	2	0.3
Education		
Elementary or less	11	1.4
Some high school	66	8.5
High school graduate	218	27.9
Some college	267	34.2
College graduate	217	27.8
Unknown	1	0.1
Smoking		
Smoker	112	14.4
Nonsmoker	666	85.4
Unknown	2	0.3

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	780
Crude live birth rate (per 1,000)	9.7
General fertility rate (per 1,000)	60.4

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	14	1.8
Other vaginal	518	66.4
Vaginal vacuum	15	1.9
Forceps	6	0.8
Primary cesarean	129	16.5
Repeat cesarean	98	12.6
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	6	0.8
1-4	12	1.5
5-9	82	10.5
10-12	249	31.9
13+	418	53.6
Unknown	13	1.7
First Prenatal Care Visit		
First trimester	620	79.5
Second trimester	109	14.0
Third trimester	34	4.4
No visits	6	0.8
Unknown	11	1.4

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	7	0.9
1,500-2,499 gm	45	5.8
2,500+ gm	728	93.3
Unknown	0	0.0
Birth Order		
First	287	36.8
Second	235	30.1
Third	148	19.0
Fourth or higher	110	14.1
Unknown	0	0.0
Reported congenital anomalies [1]	8	1.0

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	640	82.1	45	7.0	529	82.7	72	11.2	39	6.1
Black/African-American	12	1.5	1	8.3	6	50.0	6	50.0	0	0.0
American Indian	7	0.9	1	14.3	2	28.6	4	57.1	1	14.3
Hispanic/Latino	57	7.3	2	3.5	38	66.7	14	24.6	5	8.8
Asian	51	6.5	2	3.9	35	68.6	12	23.5	4	7.8
Two or more races	11	1.4	1	9.1	8	72.7	1	9.1	2	18.2
Other/Unknown	2	0.3	0	0.0	2	100.0	0	0.0	0	0.0

Trimester of First Prenatal Visit

		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	10	.	1	10.0	7	70.0	1	10.0	2	20.0
18-19	21	22.7	2	9.5	16	76.2	2	9.5	3	14.3
20-24	159	79.0	9	5.7	114	71.7	32	20.1	13	8.2
25-29	284	140.6	16	5.6	241	84.9	33	11.6	10	3.5
30-34	209	96.6	13	6.2	163	78.0	34	16.3	12	5.7
35-39	84	37.1	10	11.9	69	82.1	5	6.0	10	11.9
40+	13	.	1	7.7	10	76.9	2	15.4	1	7.7
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	31	13.3								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	7	.
Neonatal	4	.
Fetal	3	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	4	.
Neonatal	4	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	3	.
1,500-2,499 gm	1	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	2	.
Black	0	.
Hispanic	1	.
Asian	1	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	903	
Crude death rate (per 100,000)	1,117.8	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	5	.
15-19	4	.
20-34	21	162.2
35-54	41	203.4
55-64	88	679.5
65-74	159	1,759.0
75-84	207	4,363.4
85+	373	15,574.1
Selected Underlying Causes		
Heart disease (total)	186	230.2
Ischemic heart disease	112	138.6
Cancer (total)	210	259.9
Trachea/Bronchus/Lung	52	64.4
Colorectal	15	.
Female breast*	12	.
Cerebrovascular disease	44	54.5
Lower respiratory disease	46	56.9
Pneumonia and influenza	15	.
Accidents	38	47.0
Motor vehicle	12	.
Diabetes	22	27.2
Infectious/Parasitic diseases	16	.
Suicide	15	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	32	39.1
Opioids	9	.
Other drugs	2	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	8,786	108.8	4.0	$34,259	$3,726
Age					
<18	1,174	71.0	3.6	$17,188	$1,221
18-44	1,763	73.7	3.5	$23,178	$1,708
45-64	2,157	89.3	4.3	$46,003	$4,108
65+	3,692	228.2	4.1	$38,116	$8,699

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	140	1.7	4.3	$20,571	$36
18-44	39	1.6	3.5	$14,936	$24
45-64	86	3.6	4.6	$22,888	$81
Drug-related					
Total	59	0.7	2.2	$17,407	$13
18-44	29	1.2	2.3	$18,571	$23
MENTAL HEALTH DISORDERS					
Total	560	6.9	7.4	$13,626	$94
<18	111	6.7	6.9	$13,722	$92
18-44	292	12.2	6.7	$11,950	$146
45-64	131	5.4	8.0	$15,345	$83
65+	26	1.6	13.7	$23,382	$38
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	270	3.3	5.6	$66,966	$224
18-44	15	.	0.0	$0	$0
45-64	106	4.4	5.9	$75,570	$332
65+	145	9.0	5.5	$56,935	$510
Neoplasms: Female Breast (rates for female population)					
Total	8	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	14	.	0.0	$0	$0
65+	8	.	0.0	$0	$0
Neoplasms: Lung					
Total	35	0.4	4.0	$40,144	$17

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	104	1.3	3.6	$29,182	$38
65+	39	2.4	3.9	$30,727	$74
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	267	3.3	3.7	$63,081	$208
45-64	101	4.2	3.5	$70,542	$295
65+	161	10.0	3.7	$57,345	$571
Cerebrovascular Disease					
Total	263	3.3	4.7	$39,795	$130
45-64	60	2.5	6.9	$61,614	$153
65+	193	11.9	4.2	$32,194	$384
CHRONIC PULMONARY DISEASE					
Asthma					
Total	43	0.5	2.3	$14,628	$8
<18	10	.	0.0	$0	$0
18-44	17	.	0.0	$0	$0
45-64	13	.	0.0	$0	$0
65+	3	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	155	1.9	3.3	$19,196	$37
45-64	46	1.9	3.3	$19,099	$36
65+	107	6.6	3.4	$19,087	$126
PNEUMONIA and INFLUENZA					
Total	186	2.3	3.5	$20,736	$48
<18	12	.	0.0	$0	$0
45-64	34	1.4	3.9	$26,630	$37
65+	131	8.1	3.6	$20,023	$162

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		80,785
County population rank (1-72)		21
Population per square mile		137
County rank in population density (1-72)		19
Population growth 2013-2017		-317
County rank in 5-year population growth (1-72)		68

	Female	Male	Total
Total	40,468	40,317	80,785
Age			
0-14	6,697	6,979	13,676
15-17	1,410	1,441	2,851
18-19	926	1,092	2,018
20-24	2,013	2,198	4,211
25-44	8,566	9,128	17,694
45-64	11,965	12,192	24,157
65-84	7,284	6,499	13,783
85+	1,607	788	2,395
Race/Ethnicity			
White	37,177	36,657	73,834
African American	404	523	927
American Indian	272	229	501
Hispanic	1,469	1,743	3,212
Asian	1,146	1,165	2,311

POVERTY ESTIMATES	**Estimate (%)**	**(CI +/-)**
All ages	9.2%	3%
Ages 0-17	13%	5.6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$43,120

LABOR FORCE ESTIMATES	**Annual Average**
Civilian labor force	41,819
Unemployment rate	3.5%
Five-year avg. unemployment rate (2013-2017)	5.24%
Median household income	$55,741
Rank in median household income (1-72)	33

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	74	186.3	131.8	101.8	168.8
Melanoma	34	42.9	31.7	21.4	45.6
Colorectal	48	60.5	40.1	29.4	54.1
Lung and bronchus	79	99.6	67.1	52.7	84.9
Prostate*	64	161.5	104.3	79.8	135.2
Total	549	692.0	487.4	445.5	532.5

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Diseases (2017 data)

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	23
Cryptosporidiosis	5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	13
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	59
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	5
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	<5
Salmonellosis	12
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	14
Sexually Transmitted Disease	
Chlamydia trachomatis	218
Gonorrhea (all stages)	34
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	518	5
Alcohol-related	36	1
With citation for OWI	30	0
With citation for speeding	15	0
Motorcyclist	33	1
Bicyclist	8	0
Pedestrian	14	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	981	67.6
Unmarried	463	31.9
Unknown	7	0.5
Education		
Elementary or less	60	4.1
Some high school	59	4.1
High school graduate	362	24.9
Some college	538	37.1
College graduate	427	29.4
Unknown	5	0.3
Smoking		
Smoker	190	13.1
Nonsmoker	1,257	86.6
Unknown	4	0.5

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births		1,451
Crude live birth rate (per 1,000)		10.7
General fertility rate (per 1,000)		61.3

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	36	2.5
Other vaginal	960	66.2
Vaginal vacuum	43	3.0
Forceps	1	0.1
Primary cesarean	217	15.0
Repeat cesarean	194	13.4
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	4	0.3
1-4	39	2.7
5-9	250	17.2
10-12	628	43.3
13+	513	35.4
Unknown	17	1.2
First Prenatal Care Visit		
First trimester	1,112	76.6
Second trimester	252	17.4
Third trimester	54	3.7
No visits	4	0.3
Unknown	29	2.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	15	1.0
1,500-2,499 gm	74	5.1
2,500+ gm	1,361	93.8
Unknown	1	0.1
Birth Order		
First	498	34.3
Second	448	30.9
Third	256	17.6
Fourth or higher	248	17.1
Unknown	1	0.1
Reported congenital anomalies [1]	10	0.7

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	1,154	79.5	64	5.5	923	80.0	163	14.1	68	5.9
Black/African-American	12	0.8	4	33.3	8	66.7	3	25.0	1	8.3
American Indian	5	0.3	0	0.0	3	60.0	1	20.0	1	20.0
Hispanic/Latino	55	3.8	2	3.6	39	70.9	12	21.8	4	7.3
Asian	191	13.2	16	8.4	119	62.3	62	32.5	10	5.2
Two or more races	31	2.1	3	9.7	19	61.3	11	35.5	1	3.2
Other/Unknown	3	0.2	0	0.0	1	33.3	0	0.0	2	66.7
Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	8	.	0	0.0	4	50.0	2	25.0	2	25.0
18-19	27	15.9	1	3.7	13	48.1	8	29.6	6	22.2
20-24	263	73.4	21	8.0	204	77.6	46	17.5	13	4.9
25-29	534	142.9	33	6.2	408	76.4	93	17.4	33	6.2
30-34	430	104.1	23	5.3	338	78.6	69	16.0	23	5.3
35-39	144	34.0	10	6.9	115	79.9	23	16.0	6	4.2
40+	45	11.8	1	2.2	30	66.7	11	24.4	4	8.9
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	35	8.4								

Trimester of First Prenatal Visit heading spans the First / Second / Other/Unk. columns.

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	14	.
Neonatal	4	.
Fetal	10	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	6	.
Neonatal	4	.
Postneonatal	2	.
Birthweight		
< 1,500 gm	1	.
1,500-2,499 gm	3	.
2,500+ gm	2	.
Unknown	0	.
Race of Mother		
White	4	.
Black	0	.
Hispanic	0	.
Asian	2	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	1,235	
Crude death rate (per 100,000)	909.6	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	0	.
15-19	3	.
20-34	32	134.5
35-54	88	252.2
55-64	124	647.3
65-74	198	1,529.2
75-84	298	4,549.6
85+	485	15,584.8
Selected Underlying Causes		
Heart disease (total)	276	203.3
Ischemic heart disease	138	101.6
Cancer (total)	246	181.2
Trachea/Bronchus/Lung	65	47.9
Colorectal	18	.
Female breast*	12	.
Cerebrovascular disease	50	36.8
Lower respiratory disease	64	47.1
Pneumonia and influenza	21	15.5
Accidents	65	47.9
Motor vehicle	14	.
Diabetes	33	24.3
Infectious/Parasitic diseases	26	19.2
Suicide	20	14.7
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	49	36.4
Opioids	13	.
Other drugs	4	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	13,715	101.0	3.9	$27,986	$2,827
Age					
<18	2,107	66.3	3.5	$15,620	$1,036
18-44	2,994	68.4	3.4	$19,033	$1,302
45-64	3,119	82.9	4.2	$35,827	$2,971
65+	5,495	243.0	4.3	$33,155	$8,058

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	225	1.7	4.1	$17,702	$29
18-44	65	1.5	2.9	$10,031	$15
45-64	141	3.7	4.2	$17,782	$67
Drug-related					
Total	106	0.8	2.7	$17,426	$14
18-44	45	1.0	1.9	$12,493	$13
MENTAL HEALTH DISORDERS					
Total	836	6.2	7.5	$11,537	$71
<18	186	5.9	8.6	$13,585	$80
18-44	441	10.1	6.6	$9,911	$100
45-64	179	4.8	8.2	$12,327	$59
65+	30	1.3	9.4	$18,042	$24
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	406	3.0	6.3	$58,621	$175
18-44	29	0.7	5.6	$74,034	$49
45-64	165	4.4	5.8	$59,311	$260
65+	202	8.9	6.8	$52,996	$473
Neoplasms: Female Breast (rates for female population)					
Total	4	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	34	0.3	5.7	$47,690	$12
65+	22	1.0	6.2	$50,206	$49
Neoplasms: Lung					
Total	39	0.3	7.4	$55,398	$16

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	216	1.6	4.3	$26,956	$43
65+	62	2.7	6.6	$39,742	$109
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	397	2.9	3.1	$57,443	$168
45-64	149	4.0	2.7	$59,237	$235
65+	236	10.4	3.4	$56,116	$586
Cerebrovascular Disease					
Total	351	2.6	6.2	$51,288	$133
45-64	109	2.9	7.6	$63,124	$183
65+	221	9.8	5.5	$42,358	$414
CHRONIC PULMONARY DISEASE					
Asthma					
Total	50	0.4	2.7	$14,318	$5
<18	20	0.6	2.9	$15,077	$9
18-44	9	.	0.0	$0	$0
45-64	11	.	0.0	$0	$0
65+	10	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	241	1.8	3.4	$19,124	$34
45-64	80	2.1	3.3	$19,441	$41
65+	154	6.8	3.6	$19,067	$130
PNEUMONIA and INFLUENZA					
Total	337	2.5	3.7	$18,592	$46
<18	46	1.4	2.9	$13,090	$19
45-64	66	1.8	3.6	$18,014	$32
65+	205	9.1	3.9	$19,847	$180

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			135,769
County population rank (1-72)			10
Population per square mile			88
County rank in population density (1-72)			24
Population growth 2013-2017			808
County rank in 5-year population growth (1-72)			15

	Female	Male	Total
Total	67,336	68,433	135,769
Age			
0-14	12,930	13,640	26,570
15-17	2,486	2,723	5,209
18-19	1,698	1,834	3,532
20-24	3,582	3,977	7,559
25-44	15,919	16,758	32,677
45-64	18,537	19,075	37,612
65-84	10,176	9,322	19,498
85+	2,008	1,104	3,112
Race/Ethnicity			
White	60,405	60,920	121,325
African American	624	868	1,493
American Indian	357	354	711
Hispanic	1,898	2,069	3,967
Asian	4,051	4,221	8,272

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	10%	2.6%
Ages 0-17	12.5%	4.6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$44,695

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	74,056
Unemployment rate	2.9%
Five-year avg. unemployment rate (2013-2017)	4.44%
Median household income	$59,302
Rank in median household income (1-72)	19

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	91	135.3	103.9	82.8	128.9
Melanoma	41	30.3	23.8	16.9	32.8
Colorectal	66	48.8	38.0	29.2	48.9
Lung and bronchus	94	69.5	52.9	42.5	65.3
Prostate*	108	158.9	114.9	93.8	139.9
Total	713	527.4	410.3	379.8	442.8

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	61
Babesiosis	6
Blastomycosis	7
Campylobacter enteritis	47
Cryptosporidiosis	12
E.coli, shiga toxin-producing (STEC)	13
Ehrlichiosis/Anaplasmosis	6
Giardiasis	49
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	81
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	80
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	6
Salmonellosis	27
Streptococcal disease (Group A)	6
Streptococcal disease (Group B)	16
Sexually Transmitted Disease	
Chlamydia trachomatis	361
Gonorrhea (all stages)	49
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	725	15
Alcohol-related	72	2
With citation for OWI	36	0
With citation for speeding	57	0
Motorcyclist	32	1
Bicyclist	19	0
Pedestrian	16	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	383
Crude live birth rate (per 1,000)	9.3
General fertility rate (per 1,000)	61.1

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	7	1.8
Other vaginal	242	63.2
Vaginal vacuum	14	3.7
Forceps	1	0.3
Primary cesarean	60	15.7
Repeat cesarean	59	15.4
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	0	0.0
1-4	7	1.8
5-9	37	9.7
10-12	102	26.6
13+	233	60.8
Unknown	4	1.0
First Prenatal Care Visit		
First trimester	278	72.6
Second trimester	87	22.7
Third trimester	13	3.4
No visits	0	0.0
Unknown	5	1.3

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	229	59.8
Unmarried	154	40.2
Unknown	0	0.0
Education		
Elementary or less	4	1.0
Some high school	29	7.6
High school graduate	101	26.4
Some college	171	44.6
College graduate	77	20.1
Unknown	1	0.3
Smoking		
Smoker	81	21.1
Nonsmoker	302	78.9
Unknown	0	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	5	1.3
1,500-2,499 gm	19	5.0
2,500+ gm	359	93.7
Unknown	0	0.0
Birth Order		
First	144	37.6
Second	120	31.3
Third	72	18.8
Fourth or higher	47	12.3
Unknown	0	0.0
Reported congenital anomalies [1]	4	1.0

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	356	93.0	23	6.5	258	72.5	80	22.5	18	5.1
Black/African-American	2	0.5	1	50.0	2	100.0	0	0.0	0	0.0
American Indian	5	1.3	0	0.0	3	60.0	2	40.0	0	0.0
Hispanic/Latino	14	3.7	0	0.0	11	78.6	3	21.4	0	0.0
Asian	4	1.0	0	0.0	2	50.0	2	50.0	0	0.0
Two or more races	1	0.3	0	0.0	1	100.0	0	0.0	0	0.0
Other/Unknown	1	0.3	0	0.0	1	100.0	0	0.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	4	.	0	0.0	2	50.0	2	50.0	0	0.0
18-19	9	.	0	0.0	8	88.9	1	11.1	0	0.0
20-24	96	98.8	7	7.3	63	65.6	24	25.0	9	9.4
25-29	128	128.5	7	5.5	95	74.2	29	22.7	4	3.1
30-34	88	85.3	4	4.5	62	70.5	23	26.1	3	3.4
35-39	49	45.8	5	10.2	41	83.7	6	12.2	2	4.1
40+	9	.	1	11.1	7	77.8	2	22.2	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	13	11.0								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	4	.
Neonatal	2	.
Fetal	2	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	2	.
Neonatal	2	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	2	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	1	.
Black	1	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	545	
Crude death rate (per 100,000)	1,326.0	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	3	.
15-19	1	.
20-34	11	.
35-54	33	345.9
55-64	67	942.3
65-74	82	1,510.1
75-84	136	4,683.2
85+	210	16,470.6
Selected Underlying Causes		
Heart disease (total)	124	301.7
Ischemic heart disease	82	199.5
Cancer (total)	123	299.3
Trachea/Bronchus/Lung	33	80.3
Colorectal	9	.
Female breast*	7	.
Cerebrovascular disease	16	.
Lower respiratory disease	33	80.3
Pneumonia and influenza	8	.
Accidents	30	73.0
Motor vehicle	5	.
Diabetes	13	.
Infectious/Parasitic diseases	17	.
Suicide	10	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	17	.
Opioids	2	.
Other drugs	3	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	4,948	120.4	4.0	$36,665	$4,414
Age					
<18	561	73.3	3.7	$18,010	$1,320
18-44	761	66.7	3.4	$24,350	$1,625
45-64	1,193	95.9	4.2	$47,327	$4,540
65+	2,433	253.2	4.1	$39,590	$10,024

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	68	1.7	4.4	$25,139	$42
18-44	13	.	0.0	$0	$0
45-64	42	3.4	4.3	$26,022	$88
Drug-related					
Total	16	.	0.0	$0	$0
18-44	7	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	180	4.4	7.4	$14,372	$63
<18	45	5.9	8.9	$16,964	$100
18-44	94	8.2	5.2	$9,983	$82
45-64	26	2.1	10.4	$21,684	$45
65+	15	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	182	4.4	6.3	$71,999	$319
18-44	9	.	0.0	$0	$0
45-64	63	5.1	5.8	$73,490	$372
65+	106	11.0	6.4	$66,195	$730
Neoplasms: Female Breast (rates for female population)					
Total	2	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	8	.	0.0	$0	$0
65+	5	.	0.0	$0	$0
Neoplasms: Lung					
Total	18	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	52	1.3	3.7	$38,168	$48
65+	16	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	217	5.3	3.8	$62,900	$332
45-64	79	6.4	3.3	$60,107	$382
65+	130	13.5	4.2	$64,726	$876
Cerebrovascular Disease					
Total	159	3.9	4.6	$40,766	$158
45-64	30	2.4	4.8	$45,683	$110
65+	127	13.2	4.6	$39,747	$525
CHRONIC PULMONARY DISEASE					
Asthma					
Total	12	.	0.0	$0	$0
<18	5	.	0.0	$0	$0
18-44	3	.	0.0	$0	$0
45-64	1	.	0.0	$0	$0
65+	3	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	92	2.2	3.6	$26,088	$58
45-64	20	1.6	3.4	$26,810	$43
65+	70	7.3	3.6	$25,669	$187
PNEUMONIA and INFLUENZA					
Total	118	2.9	3.9	$24,997	$72
<18	22	2.9	3.6	$20,169	$58
45-64	27	2.2	3.9	$25,843	$56
65+	58	6.0	4.2	$26,106	$158

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)   Marinette County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			41,102
County population rank (1-72)			37
Population per square mile			29
County rank in population density (1-72)			53
Population growth 2013-2017			-546
County rank in 5-year population growth (1-72)			71

	Female	Male	Total
Total	20,618	20,484	41,102
Age			
0-14	3,070	3,178	6,248
15-17	710	695	1,405
18-19	476	508	984
20-24	972	1,038	2,010
25-44	4,107	4,302	8,409
45-64	6,228	6,209	12,437
65-84	4,229	4,105	8,334
85+	826	449	1,275
Race/Ethnicity			
White	19,771	19,719	39,490
African American	161	178	339
American Indian	163	148	311
Hispanic	374	339	712
Asian	148	101	249

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	13.3%	3.6%
Ages 0-17	18.9%	7.8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$40,834

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	19,809
Unemployment rate	4.4%
Five-year avg. unemployment rate (2013-2017)	6.06%
Median household income	$47,449
Rank in median household income (1-72)	59

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	40	198.7	123.9	85.7	176.0
Melanoma	13	32.3	21.7	10.8	40.3
Colorectal	20	49.6	29.4	17.6	48.1
Lung and bronchus	45	111.7	61.7	44.6	85.0
Prostate*	47	233.1	137.6	99.2	189.0
Total	314	779.4	479.6	424.6	540.9

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	<5
Blastomycosis	<5
Campylobacter enteritis	10
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	0
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	15
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	13
Legionnaires'	0
Listeriosis	<5
Lyme (all stages)	40
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	0
Salmonellosis	<5
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	8
Sexually Transmitted Disease	
Chlamydia trachomatis	111
Gonorrhea (all stages)	13
Syphilis (all stages)	0

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	239	2
Alcohol-related	29	0
With citation for OWI	15	0
With citation for speeding	24	0
Motorcyclist	26	0
Bicyclist	5	0
Pedestrian	1	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Births (2017 data)

Births (2017 data)   Marquette County

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS
Total live births	133
Crude live birth rate (per 1,000)	8.6
General fertility rate (per 1,000)	65.2

PREGNANCY CHARACTERISTICS
Delivery Type	Births	%
Vaginal after prev. cesarean	3	2.3
Other vaginal	93	69.9
Vaginal vacuum	4	3.0
Forceps	0	0.0
Primary cesarean	18	13.5
Repeat cesarean	14	10.5
Cesarean (unk. repeat/primary)	1	0.8
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	2	1.5
1-4	1	0.8
5-9	32	24.1
10-12	51	38.3
13+	42	31.6
Unknown	5	3.8
First Prenatal Care Visit		
First trimester	98	73.7
Second trimester	27	20.3
Third trimester	2	1.5
No visits	2	1.5
Unknown	4	3.0

MATERNAL CHARACTERISTICS
Marital Status	Births	%
Married	86	64.7
Unmarried	46	34.6
Unknown	1	0.8
Education		
Elementary or less	13	9.8
Some high school	12	9.0
High school graduate	35	26.3
Some college	44	33.1
College graduate	29	21.8
Unknown	0	0.0
Smoking		
Smoker	23	17.3
Nonsmoker	110	82.7
Unknown	0	0.8

INFANT CHARACTERISTICS
Birthweight	Births	%
< 1,500 gm	0	0.0
1,500-2,499 gm	6	4.5
2,500+ gm	127	95.5
Unknown	0	0.0
Birth Order		
First	40	30.1
Second	42	31.6
Third	27	20.3
Fourth or higher	24	18.0
Unknown	0	0.0
Reported congenital anomalies [1]	1	0.8

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

| | All Births | | LBW | | Trimester of First Prenatal Visit | | | | | |
| | | | | | First | | Second | | Other/Unk. | |
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	125	94.0	6	4.8	94	75.2	24	19.2	7	5.6
Black/African-American	2	1.5	0	0.0	1	50.0	1	50.0	0	0.0
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	2	1.5	0	0.0	0	0.0	1	50.0	1	50.0
Asian	2	1.5	0	0.0	1	50.0	1	50.0	0	0.0
Two or more races	1	0.8	0	0.0	1	100.0	0	0.0	0	0.0
Other/Unknown	1	0.8	0	0.0	1	100.0	0	0.0	0	0.0

| | | Fertility | | | | | | | | |
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	1	--	0	0.0	1	100.0	0	0.0	0	0.0
15-17	2	.	0	0.0	2	100.0	0	0.0	0	0.0
18-19	6	.	0	0.0	5	83.3	1	16.7	0	0.0
20-24	28	93.0	1	3.6	21	75.0	6	21.4	1	3.6
25-29	45	144.2	1	2.2	35	77.8	6	13.3	4	8.9
30-34	36	109.4	2	5.6	23	63.9	10	27.8	3	8.3
35-39	11	.	2	18.2	9	81.8	2	18.2	0	0.0
40+	4	.	0	0.0	2	50.0	2	50.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	9	23.9								

DEFINITIONS
Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES
Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES
[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

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Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

TOTAL DEATHS

Total deaths	194	
Crude death rate (per 100,000)	1,259.3	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	1	.
15-19	1	.
20-34	6	.
35-54	9	.
55-64	29	922.4
65-74	41	1,718.4
75-84	51	4,820.4
85+	55	15,896.0
Selected Underlying Causes		
Heart disease (total)	34	220.7
Ischemic heart disease	18	.
Cancer (total)	52	337.6
Trachea/Bronchus/Lung	11	.
Colorectal	2	.
Female breast*	3	.
Cerebrovascular disease	9	.
Lower respiratory disease	12	.
Pneumonia and influenza	2	.
Accidents	25	162.3
Motor vehicle	3	.
Diabetes	11	.
Infectious/Parasitic diseases	0	.
Suicide	4	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	9	.
Opioids	6	.
Other drugs	2	.

* Based on female deaths from breast cancer and female population.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	2	.
Neonatal	0	.
Fetal	2	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	0	.
Neonatal	0	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	0	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	1,931	125.3	4.2	$37,367	$4,684
Age					
<18	188	69.9	3.9	$20,502	$1,432
18-44	315	85.3	3.5	$24,838	$2,117
45-64	555	106.1	4.5	$45,458	$4,825
65+	873	230.3	4.3	$40,376	$9,300

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	33	2.1	3.5	$17,849	$38
18-44	12	.	0.0	$0	$0
45-64	18	.	0.0	$0	$0
Drug-related					
Total	13	.	0.0	$0	$0
18-44	5	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	74	4.8	7.2	$14,714	$71
<18	14	.	0.0	$0	$0
18-44	34	9.2	5.9	$10,709	$99
45-64	22	4.2	7.9	$17,375	$73
65+	4	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	70	4.5	5.4	$55,143	$251
18-44	2	.	0.0	$0	$0
45-64	37	7.1	5.6	$58,603	$415
65+	31	8.2	5.4	$53,566	$438
Neoplasms: Female Breast (rates for female population)					
Total	0	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	7	.	0.0	$0	$0
65+	3	.	0.0	$0	$0
Neoplasms: Lung					
Total	3	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	36	2.3	4.5	$42,950	$100
65+	10	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	48	3.1	4.7	$83,069	$259
45-64	23	4.4	4.0	$79,851	$351
65+	24	6.3	5.5	$88,411	$560
Cerebrovascular Disease					
Total	58	3.8	6.2	$50,614	$191
45-64	24	4.6	8.0	$64,555	$296
65+	34	9.0	4.9	$40,773	$366
CHRONIC PULMONARY DISEASE					
Asthma					
Total	4	.	0.0	$0	$0
<18	1	.	0.0	$0	$0
18-44	2	.	0.0	$0	$0
45-64	1	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	58	3.8	3.2	$22,010	$83
45-64	20	3.8	2.6	$19,846	$76
65+	35	9.2	3.7	$24,090	$222
PNEUMONIA and INFLUENZA					
Total	66	4.3	3.5	$22,186	$95
<18	2	.	0.0	$0	$0
45-64	14	.	0.0	$0	$0
65+	45	11.9	3.5	$18,741	$223

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

Marquette County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017	15,405
County population rank (1-72)	63
Population per square mile	34
County rank in population density (1-72)	45
Population growth 2013-2017	88
County rank in 5-year population growth (1-72)	33

	Female	Male	Total
Total	7,565	7,840	15,405
Age			
0-14	1,068	1,157	2,225
15-17	218	248	466
18-19	158	174	332
20-24	301	330	631
25-44	1,364	1,368	2,732
45-64	2,517	2,712	5,229
65-84	1,723	1,721	3,444
85+	216	130	346
Race/Ethnicity			
White	7,131	7,371	14,503
African American	68	90	158
American Indian	68	55	123
Hispanic	226	280	505
Asian	71	45	116

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	12.8%	3.6%
Ages 0-17	19%	7.8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$34,553

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	7,627
Unemployment rate	3.9%
Five-year avg. unemployment rate (2013-2017)	6.14%
Median household income	$46,901
Rank in median household income (1-72)	64

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	21	280.9	190.9	109.6	314.3
Melanoma	7	46.2	37.8	13.3	85.8
Colorectal	^	^	^	^	^
Lung and bronchus	22	145.3	81.4	50.6	130.0
Prostate*	9	117.5	59.8	26.4	132.6
Total	114	753.1	462.8	374.4	568.9

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	5
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	<5
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	0
Giardiasis	<5
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	13
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	39
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	<5
Streptococcal disease (Group A)	0
Streptococcal disease (Group B)	0
Sexually Transmitted Disease	
Chlamydia trachomatis	35
Gonorrhea (all stages)	<5
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	114	6
Alcohol-related	20	2
With citation for OWI	4	0
With citation for speeding	4	0
Motorcyclist	8	1
Bicyclist	0	0
Pedestrian	0	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	89
Crude live birth rate (per 1,000)	20.3
General fertility rate (per 1,000)	114.8

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	1	1.1
Other vaginal	60	67.4
Vaginal vacuum	2	2.2
Forceps	0	0.0
Primary cesarean	13	14.6
Repeat cesarean	13	14.6
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	1.1
1-4	7	7.9
5-9	27	30.3
10-12	28	31.5
13+	24	27.0
Unknown	2	2.2
First Prenatal Care Visit		
First trimester	64	71.9
Second trimester	15	16.9
Third trimester	8	9.0
No visits	1	1.1
Unknown	1	1.1

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	13	14.6
Unmarried	76	85.4
Unknown	0	0.0
Education		
Elementary or less	1	1.1
Some high school	9	10.1
High school graduate	45	50.6
Some college	31	34.8
College graduate	3	3.4
Unknown	0	0.0
Smoking		
Smoker	37	41.6
Nonsmoker	50	56.2
Unknown	2	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	3	3.4
1,500-2,499 gm	5	5.6
2,500+ gm	81	91.0
Unknown	0	0.0
Birth Order		
First	14	15.7
Second	22	24.7
Third	28	31.5
Fourth or higher	25	28.1
Unknown	0	0.0
Reported congenital anomalies [1]	0	0.0

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	9	10.1	2	22.2	7	77.8	1	11.1	1	11.1
Black/African-American	1	1.1	0	0.0	0	0.0	1	100.0	0	0.0
American Indian	74	83.1	6	8.1	52	70.3	13	17.6	9	12.2
Hispanic/Latino	4	4.5	0	0.0	4	100.0	0	0.0	0	0.0
Asian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Two or more races	1	1.1	0	0.0	1	100.0	0	0.0	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	1	.	0	0.0	0	0.0	1	100.0	0	0.0
18-19	9	.	3	33.3	7	77.8	2	22.2	0	0.0
20-24	26	183.1	1	3.8	18	69.2	5	19.2	3	11.5
25-29	26	175.7	3	11.5	21	80.8	3	11.5	2	7.7
30-34	23	185.5	1	4.3	17	73.9	2	8.7	4	17.4
35-39	4	.	0	0.0	1	25.0	2	50.0	1	25.0
40+	0	.	0	0.0	0	0.0	0	0.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	10	69.0								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Deaths (2017 data)

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	2	.
Neonatal	1	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	2	.
Neonatal	1	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	1	.
1,500-2,499 gm	0	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	0	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	2	.

TOTAL DEATHS

Total deaths	48	
Crude death rate (per 100,000)	1,096.4	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	1	.
15-19	0	.
20-34	4	.
35-54	8	.
55-64	10	.
65-74	9	.
75-84	9	.
85+	5	.
Selected Underlying Causes		
Heart disease (total)	8	.
Ischemic heart disease	5	.
Cancer (total)	7	.
Trachea/Bronchus/Lung	1	.
Colorectal	1	.
Female breast*	0	.
Cerebrovascular disease	1	.
Lower respiratory disease	3	.
Pneumonia and influenza	1	.
Accidents	6	.
Motor vehicle	1	.
Diabetes	2	.
Infectious/Parasitic diseases	3	.
Suicide	1	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	4	.
Opioids	4	.
Other drugs	0	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatal, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	710	162.2	4.2	$24,711	$4,007
Age					
<18	151	123.3	4.2	$15,358	$1,893
18-44	216	153.8	3.7	$20,964	$3,225
45-64	168	147.2	4.8	$36,904	$5,434
65+	175	287.8	4.1	$25,701	$7,397

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	17	.	0.0	$0	$0
18-44	11	.	0.0	$0	$0
45-64	6	.	0.0	$0	$0
Drug-related					
Total	7	.	0.0	$0	$0
18-44	3	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	51	11.6	7.6	$10,668	$124
<18	24	19.6	10.3	$14,765	$289
18-44	22	15.7	5.5	$7,231	$113
45-64	5	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	9	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	4	.	0.0	$0	$0
65+	5	.	0.0	$0	$0
Neoplasms: Female Breast (rates for female population)					
Total	0	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	0	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Neoplasms: Lung					
Total	1	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	15	.	0.0	$0	$0
65+	5	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	25	5.7	2.7	$36,714	$210
45-64	4	.	0.0	$0	$0
65+	20	32.9	2.4	$31,165	$1,025
Cerebrovascular Disease					
Total	19	.	0.0	$0	$0
45-64	5	.	0.0	$0	$0
65+	13	.	0.0	$0	$0
CHRONIC PULMONARY DISEASE					
Asthma					
Total	2	.	0.0	$0	$0
<18	1	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	0	.	0.0	$0	$0
65+	1	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	9	.	0.0	$0	$0
45-64	2	.	0.0	$0	$0
65+	7	.	0.0	$0	$0
PNEUMONIA and INFLUENZA					
Total	19	.	0.0	$0	$0
<18	1	.	0.0	$0	$0
45-64	4	.	0.0	$0	$0
65+	9	.	0.0	$0	$0

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		4,378
County population rank (1-72)		72
Population per square mile		12
County rank in population density (1-72)		67
Population growth 2013-2017		122
County rank in 5-year population growth (1-72)		31

	Female	Male	Total
Total	2,202	2,176	4,378
Age			
0-14	505	530	1,035
15-17	90	100	190
18-19	55	65	120
20-24	142	148	290
25-44	488	506	994
45-64	581	560	1,141
65-84	314	248	562
85+	27	19	46
Race/Ethnicity			
White	286	253	539
African American	38	27	65
American Indian	1,744	1,698	3,442
Hispanic	94	137	231
Asian	41	61	102

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	27.6%	11.8%
Ages 0-17	44.4%	21.4%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$32,458

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	1,611
Unemployment rate	5.9%
Five-year avg. unemployment rate (2013-2017)	10.28%
Median household income	$36,936
Rank in median household income (1-72)	72

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	^	^	^	^	^
Melanoma	^	^	^	^	^
Colorectal	^	^	^	^	^
Lung and bronchus	6	132.2	128.2	43.2	293.3
Prostate*	^	^	^	^	^
Total	25	551.0	487.0	307.6	736.7

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Diseases (2017 data)   **Menominee County**

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS
Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES
The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	<5
Campylobacter enteritis	<5
Cryptosporidiosis	0
E.coli, shiga toxin-producing (STEC)	0
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	0
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	0
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	8
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	0
Salmonellosis	<5
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	40
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Motor Vehicle Crashes (2017 data)

Menominee County

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	11	0
Alcohol-related	1	0
With citation for OWI	0	0
With citation for speeding	1	0
Motorcyclist	4	0
Bicyclist	0	0
Pedestrian	0	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	13,431
Crude live birth rate (per 1,000)	14.1
General fertility rate (per 1,000)	63.5

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	490	3.6
Other vaginal	9,103	67.8
Vaginal vacuum	334	2.5
Forceps	127	0.9
Primary cesarean	1,925	14.3
Repeat cesarean	1,437	10.7
Cesarean (unk. repeat/primary)	8	0.1
Other/Unknown	7	0.1
Prenatal Care Visits		
No visits	179	1.3
1-4	646	4.8
5-9	2,453	18.3
10-12	3,631	27.0
13+	5,057	37.7
Unknown	1,465	10.9
First Prenatal Care Visit		
First trimester	8,798	65.5
Second trimester	2,556	19.0
Third trimester	674	5.0
No visits	179	1.3
Unknown	1,224	9.1

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	5,810	43.3
Unmarried	7,615	56.7
Unknown	6	0.0
Education		
Elementary or less	479	3.6
Some high school	1,725	12.8
High school graduate	3,942	29.4
Some college	3,407	25.4
College graduate	3,744	27.9
Unknown	134	1.0
Smoking		
Smoker	1,268	9.4
Nonsmoker	12,031	89.6
Unknown	132	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	267	2.0
1,500-2,499 gm	1,198	8.9
2,500+ gm	11,963	89.1
Unknown	3	0.0
Birth Order		
First	4,578	34.1
Second	4,019	29.9
Third	2,427	18.1
Fourth or higher	2,400	17.9
Unknown	7	0.1
Reported congenital anomalies [1]	69	0.5

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	4,659	34.7	320	6.9	3,648	78.3	534	11.5	477	10.2
Black/African-American	4,804	35.8	788	16.4	2,799	58.3	1,176	24.5	829	17.3
American Indian	58	0.4	12	20.7	24	41.4	17	29.3	17	29.3
Hispanic/Latino	2,405	17.9	202	8.4	1,392	57.9	469	19.5	544	22.6
Asian	759	5.7	52	6.9	512	67.5	170	22.4	77	10.1
Two or more races	479	3.6	61	12.7	296	61.8	102	21.3	81	16.9
Other/Unknown	267	2.0	30	11.2	127	47.6	88	33.0	52	19.5
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	15	--	2	13.3	5	33.3	7	46.7	3	20.0
15-17	238	12.1	33	13.9	88	37.0	75	31.5	75	31.5
18-19	568	44.6	82	14.4	284	50.0	167	29.4	117	20.6
20-24	2,911	71.2	334	11.5	1,690	58.1	699	24.0	522	17.9
25-29	3,954	101.9	403	10.2	2,634	66.6	743	18.8	577	14.6
30-34	3,651	96.8	349	9.6	2,591	71.0	577	15.8	483	13.2
35-39	1,729	50.8	226	13.1	1,268	73.3	226	13.1	235	13.6
40+	365	13.2	36	9.9	238	65.2	62	17.0	65	17.8
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	821	25.3								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	139	10.3
Neonatal	70	4.6
Fetal	69	5.1

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	132	9.8
Neonatal	70	5.2
Postneonatal	62	4.6
Birthweight		
< 1,500 gm	67	245.4
1,500-2,499 gm	23	19.3
2,500+ gm	40	3.4
Unknown	1	.
Race of Mother		
White	15	.
Black	87	18.3
Hispanic	21	8.9
Asian	7	.
Other/Unknown	1	.

TOTAL DEATHS

Total deaths	8,391
Crude death rate (per 100,000)	882.1

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	17	.
5-14	18	.
15-19	44	67.5
20-34	325	141.0
35-54	890	384.0
55-64	1,231	1,087.2
65-74	1,500	2,086.9
75-84	1,630	4,742.5
85+	2,604	14,503.7
Selected Underlying Causes		
Heart disease (total)	1,897	199.4
Ischemic heart disease	1,059	111.3
Cancer (total)	1,729	181.8
Trachea/Bronchus/Lung	413	43.4
Colorectal	150	15.8
Female breast*	97	10.2
Cerebrovascular disease	344	36.2
Lower respiratory disease	395	41.5
Pneumonia and influenza	116	12.2
Accidents	741	77.9
Motor vehicle	103	10.8
Diabetes	235	24.7
Infectious/Parasitic diseases	187	19.7
Suicide	152	16.0
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	522	54.8
Opioids	301	31.6
Other drugs	52	5.5

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	122,956	129.3	4.7	$40,915	$5,288
Age					
<18	20,022	88.6	4.1	$21,208	$1,879
18-44	34,466	91.5	3.8	$29,045	$2,656
45-64	32,265	143.9	5.2	$51,820	$7,455
65+	36,203	291.5	5.6	$53,395	$15,564

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	3,275	3.4	3.9	$23,162	$80
18-44	1,267	3.4	3.4	$18,345	$62
45-64	1,804	8.0	4.2	$25,422	$204
Drug-related					
Total	1,316	1.4	3.5	$30,029	$42
18-44	566	1.5	2.7	$24,647	$37
MENTAL HEALTH DISORDERS					
Total	11,680	12.3	6.1	$17,267	$212
<18	2,295	10.2	5.8	$17,018	$173
18-44	6,032	16.0	5.8	$15,547	$249
45-64	2,844	12.7	6.5	$18,711	$237
65+	509	4.1	9.8	$30,703	$126
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	3,096	3.3	6.7	$82,651	$269
18-44	243	0.6	6.4	$98,141	$63
45-64	1,335	6.0	6.3	$84,906	$505
65+	1,488	12.0	6.8	$76,494	$916
Neoplasms: Female Breast (rates for female population)					
Total	95	0.2	3.8	$69,852	$14
Neoplasms: Colorectal					
Total	216	0.2	6.8	$76,088	$17
65+	133	1.1	7.1	$74,532	$80
Neoplasms: Lung					
Total	358	0.4	5.9	$63,548	$24

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	2,272	2.4	5.1	$43,641	$104
65+	506	4.1	7.2	$58,495	$238
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	2,365	2.5	4.4	$80,661	$201
45-64	936	4.2	3.9	$82,461	$344
65+	1,290	10.4	4.9	$80,581	$837
Cerebrovascular Disease					
Total	2,589	2.7	7.3	$66,787	$182
45-64	870	3.9	7.7	$74,852	$290
65+	1,543	12.4	7.0	$59,539	$740
CHRONIC PULMONARY DISEASE					
Asthma					
Total	640	0.7	2.6	$19,772	$13
<18	137	0.6	2.5	$18,854	$11
18-44	213	0.6	2.2	$17,483	$10
45-64	210	0.9	2.9	$21,541	$20
65+	80	0.6	3.0	$22,795	$15
Other Chronic Obstructive Pulmonary Disease					
Total	2,471	2.6	3.9	$28,186	$73
45-64	1,109	4.9	3.5	$26,100	$129
65+	1,315	10.6	4.2	$29,932	$317
PNEUMONIA and INFLUENZA					
Total	1,983	2.1	4.5	$32,857	$68
<18	158	0.7	4.9	$36,151	$25
45-64	526	2.3	4.0	$31,728	$74
65+	1,043	8.4	4.8	$33,548	$282

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

👥 Population (2017 data)   **Milwaukee County**

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			951,303
County population rank (1-72)			1
Population per square mile			3,941
County rank in population density (1-72)			1
Population growth 2013-2017			-751
County rank in 5-year population growth (1-72)			72

	Female	Male	Total
Total	489,846	461,457	951,303
Age			
0-14	91,343	95,055	186,398
15-17	19,712	19,832	39,544
18-19	12,740	12,939	25,679
20-24	40,883	38,815	79,698
25-44	138,102	133,396	271,498
45-64	115,698	108,587	224,285
65-84	59,103	47,144	106,247
85+	12,265	5,689	17,954
Race/Ethnicity			
White	253,810	242,855	496,665
African American	139,629	119,984	259,613
American Indian	3,658	3,174	6,832
Hispanic	70,648	73,917	144,566
Asian	22,101	21,526	43,627

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	19.1%	2%
Ages 0-17	26%	4.4%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$52,515

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	476,163
Unemployment rate	4%
Five-year avg. unemployment rate (2013-2017)	6%
Median household income	$47,795
Rank in median household income (1-72)	56

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	726	147.3	136.5	126.5	147.2
Melanoma	153	16.0	15.3	12.9	18.0
Colorectal	412	43.1	41.6	37.6	46.0
Lung and bronchus	699	73.2	69.2	64.0	74.7
Prostate*	612	132.3	127.6	117.3	138.6
Total	4,938	516.9	491.3	477.3	505.6

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	8
Babesiosis	0
Blastomycosis	32
Campylobacter enteritis	109
Cryptosporidiosis	15
E.coli, shiga toxin-producing (STEC)	15
Ehrlichiosis/Anaplasmosis	63
Giardiasis	54
Haemophilus influenzae, invasive	18
Influenza-associated hospitalization	524
Legionnaires'	69
Listeriosis	<5
Lyme (all stages)	41
N. meningitidis (Meningococcal disease)	<5
Meningitis, other bacterial	32
Mumps	13
Pertussis	159
Salmonellosis	108
Streptococcal disease (Group A)	63
Streptococcal disease (Group B)	81
Sexually Transmitted Disease	
Chlamydia trachomatis	10,952
Gonorrhea (all stages)	4,717
Syphilis (all stages)	355

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	10,057	84
Alcohol-related	471	12
With citation for OWI	257	1
With citation for speeding	554	0
Motorcyclist	232	9
Bicyclist	168	2
Pedestrian	488	22

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	534
Crude live birth rate (per 1,000)	11.7
General fertility rate (per 1,000)	68.1

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	18	3.4
Other vaginal	372	69.7
Vaginal vacuum	13	2.4
Forceps	3	0.6
Primary cesarean	75	14.0
Repeat cesarean	50	9.4
Cesarean (unk. repeat/primary)	2	0.4
Other/Unknown	1	0.2
Prenatal Care Visits		
No visits	9	1.7
1-4	63	11.8
5-9	94	17.6
10-12	175	32.8
13+	181	33.9
Unknown	12	2.2
First Prenatal Care Visit		
First trimester	376	70.4
Second trimester	79	14.8
Third trimester	46	8.6
No visits	9	1.7
Unknown	24	4.5

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	374	70.0
Unmarried	159	29.8
Unknown	1	0.2
Education		
Elementary or less	79	14.8
Some high school	26	4.9
High school graduate	157	29.4
Some college	158	29.6
College graduate	114	21.3
Unknown	0	0.0
Smoking		
Smoker	67	12.5
Nonsmoker	465	87.1
Unknown	2	0.2

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	3	0.6
1,500-2,499 gm	37	6.9
2,500+ gm	494	92.5
Unknown	0	0.0
Birth Order		
First	159	29.8
Second	137	25.7
Third	114	21.3
Fourth or higher	124	23.2
Unknown	0	0.0
Reported congenital anomalies [1]	0	0.0

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

Race/Ethnicity	All Births Births	%	LBW Births	%	First Births	%	Second Births	%	Other/Unk. Births	%
White	478	89.5	34	7.1	339	70.9	66	13.8	73	15.3
Black/African-American	4	0.7	1	25.0	2	50.0	2	50.0	0	0.0
American Indian	7	1.3	0	0.0	2	28.6	2	28.6	3	42.9
Hispanic/Latino	33	6.2	2	6.1	22	66.7	8	24.2	3	9.1
Asian	7	1.3	3	42.9	7	100.0	0	0.0	0	0.0
Two or more races	5	0.9	0	0.0	4	80.0	1	20.0	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

(Trimester of First Prenatal Visit: First, Second, Other/Unk.)

Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	1	--	0	0.0	0	0.0	0	0.0	1	100.0
15-17	2	.	0	0.0	2	100.0	0	0.0	0	0.0
18-19	16	.	1	6.2	12	75.0	1	6.2	3	18.8
20-24	114	96.7	9	7.9	67	58.8	23	20.2	24	21.1
25-29	191	160.4	14	7.3	143	74.9	26	13.6	22	11.5
30-34	133	97.4	11	8.3	97	72.9	21	15.8	15	11.3
35-39	65	45.9	4	6.2	47	72.3	7	10.8	11	16.9
40+	12	.	1	8.3	8	66.7	1	8.3	3	25.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	19	13.1								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	7	.
Neonatal	2	.
Fetal	5	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	4	.
Neonatal	2	.
Postneonatal	2	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	1	.
2,500+ gm	3	.
Unknown	0	.
Race of Mother		
White	4	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	456	
Crude death rate (per 100,000)	997.9	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	1	.
20-34	10	.
35-54	35	309.5
55-64	56	841.9
65-74	100	2,130.8
75-84	86	3,974.1
85+	164	17,982.5
Selected Underlying Causes		
Heart disease (total)	100	218.8
Ischemic heart disease	62	135.7
Cancer (total)	111	242.9
Trachea/Bronchus/Lung	34	74.4
Colorectal	12	.
Female breast*	5	.
Cerebrovascular disease	21	46.0
Lower respiratory disease	29	63.5
Pneumonia and influenza	3	.
Accidents	20	43.8
Motor vehicle	3	.
Diabetes	28	61.3
Infectious/Parasitic diseases	14	.
Suicide	2	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	18	.
Opioids	5	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatal, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	4,197	91.8	4.1	$29,725	$2,730
Age					
<18	631	56.2	3.6	$17,307	$973
18-44	967	68.5	3.5	$21,406	$1,466
45-64	962	76.4	4.5	$40,239	$3,075
65+	1,637	210.7	4.4	$33,247	$7,006

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	47	1.0	3.7	$16,721	$17
18-44	24	1.7	3.0	$9,264	$16
45-64	21	1.7	4.3	$15,806	$26
Drug-related					
Total	41	0.9	4.6	$21,382	$19
18-44	21	1.5	5.6	$22,146	$33
MENTAL HEALTH DISORDERS					
Total	231	5.1	7.8	$16,112	$81
<18	55	4.9	8.1	$19,586	$96
18-44	124	8.8	6.8	$13,001	$114
45-64	41	3.3	8.9	$17,117	$56
65+	11	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	129	2.8	5.9	$60,541	$171
18-44	9	.	0.0	$0	$0
45-64	47	3.7	5.1	$55,787	$208
65+	66	8.5	6.1	$55,688	$473
Neoplasms: Female Breast (rates for female population)					
Total	1	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	18	.	0.0	$0	$0
65+	12	.	0.0	$0	$0
Neoplasms: Lung					
Total	8	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	80	1.8	4.5	$31,106	$54
65+	29	3.7	5.2	$38,414	$143
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	107	2.3	3.7	$56,086	$131
45-64	39	3.1	3.5	$58,014	$180
65+	61	7.9	4.0	$56,587	$444
Cerebrovascular Disease					
Total	97	2.1	5.4	$45,670	$97
45-64	36	2.9	5.8	$47,920	$137
65+	56	7.2	5.1	$41,841	$302
CHRONIC PULMONARY DISEASE					
Asthma					
Total	10	.	0.0	$0	$0
<18	2	.	0.0	$0	$0
18-44	4	.	0.0	$0	$0
45-64	1	.	0.0	$0	$0
65+	3	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	79	1.7	3.6	$16,741	$29
45-64	12	.	0.0	$0	$0
65+	66	8.5	3.7	$17,105	$145
PNEUMONIA and INFLUENZA					
Total	134	2.9	3.6	$16,539	$48
<18	7	.	0.0	$0	$0
45-64	19	.	0.0	$0	$0
65+	103	13.3	3.7	$16,122	$214

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			45,696
County population rank (1-72)			31
Population per square mile			51
County rank in population density (1-72)			36
Population growth 2013-2017			417
County rank in 5-year population growth (1-72)			21

	Female	Male	Total
Total	22,468	23,228	45,696
Age			
0-14	4,607	4,822	9,429
15-17	876	914	1,790
18-19	574	621	1,195
20-24	1,179	1,226	2,405
25-44	5,215	5,305	10,520
45-64	6,045	6,543	12,588
65-84	3,417	3,440	6,857
85+	555	357	912
Race/Ethnicity			
White	20,599	21,216	41,815
African American	348	476	824
American Indian	293	288	581
Hispanic	963	1,073	2,036
Asian	265	176	441

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	11.4%	4.4%
Ages 0-17	18.3%	9.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$40,603

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	23,581
Unemployment rate	2.9%
Five-year avg. unemployment rate (2013-2017)	4.7%
Median household income	$55,690
Rank in median household income (1-72)	34

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	32	142.9	111.1	74.7	159.9
Melanoma	10	22.0	17.6	8.2	33.6
Colorectal	19	41.9	33.6	19.9	53.6
Lung and bronchus	27	59.5	47.1	30.5	70.0
Prostate*	16	69.7	49.1	27.6	82.6
Total	211	465.2	367.3	318.0	422.5

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	9
Babesiosis	<5
Blastomycosis	0
Campylobacter enteritis	13
Cryptosporidiosis	7
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	5
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	18
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	24
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	15
Salmonellosis	6
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	9
Sexually Transmitted Disease	
Chlamydia trachomatis	120
Gonorrhea (all stages)	6
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	277	6
Alcohol-related	20	1
With citation for OWI	6	1
With citation for speeding	28	0
Motorcyclist	16	0
Bicyclist	4	0
Pedestrian	5	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	353
Crude live birth rate (per 1,000)	9.3
General fertility rate (per 1,000)	61.3

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	7	2.0
Other vaginal	241	68.3
Vaginal vacuum	12	3.4
Forceps	1	0.3
Primary cesarean	60	17.0
Repeat cesarean	31	8.8
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	1	0.3
Prenatal Care Visits		
No visits	0	0.0
1-4	5	1.4
5-9	42	11.9
10-12	101	28.6
13+	203	57.5
Unknown	2	0.6
First Prenatal Care Visit		
First trimester	285	80.7
Second trimester	56	15.9
Third trimester	10	2.8
No visits	0	0.0
Unknown	2	0.6

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	227	64.3
Unmarried	126	35.7
Unknown	0	0.0
Education		
Elementary or less	12	3.4
Some high school	21	5.9
High school graduate	87	24.6
Some college	145	41.1
College graduate	87	24.6
Unknown	1	0.3
Smoking		
Smoker	65	18.4
Nonsmoker	287	81.3
Unknown	1	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	8	2.3
1,500-2,499 gm	25	7.1
2,500+ gm	320	90.7
Unknown	0	0.0
Birth Order		
First	137	38.8
Second	98	27.8
Third	66	18.7
Fourth or higher	52	14.7
Unknown	0	0.0
Reported congenital anomalies [1]	0	0.0

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	333	94.3	31	9.3	271	81.4	50	15.0	12	3.6
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	8	2.3	0	0.0	7	87.5	1	12.5	0	0.0
Hispanic/Latino	9	2.5	2	22.2	5	55.6	4	44.4	0	0.0
Asian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Two or more races	3	0.8	0	0.0	2	66.7	1	33.3	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	6	.	1	16.7	3	50.0	3	50.0	0	0.0
18-19	14	.	2	14.3	6	42.9	8	57.1	0	0.0
20-24	47	55.5	1	2.1	38	80.9	7	14.9	2	4.3
25-29	108	128.7	11	10.2	93	86.1	13	12.0	2	1.9
30-34	121	130.5	9	7.4	98	81.0	17	14.0	6	5.0
35-39	46	43.9	7	15.2	40	87.0	5	10.9	1	2.2
40+	11	.	2	18.2	7	63.6	3	27.3	1	9.1
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	20	19.1								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	2	.
Neonatal	0	.
Fetal	2	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	1	.
Neonatal	0	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	1	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	392	
Crude death rate (per 100,000)	1,032.0	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	3	.
20-34	9	.
35-54	25	247.6
55-64	56	840.1
65-74	81	1,863.4
75-84	92	4,360.2
85+	125	17,313.0
Selected Underlying Causes		
Heart disease (total)	109	287.0
Ischemic heart disease	64	168.5
Cancer (total)	95	250.1
Trachea/Bronchus/Lung	27	71.1
Colorectal	6	.
Female breast*	4	.
Cerebrovascular disease	14	.
Lower respiratory disease	22	57.9
Pneumonia and influenza	10	.
Accidents	22	57.9
Motor vehicle	7	.
Diabetes	5	.
Infectious/Parasitic diseases	3	.
Suicide	6	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	12	.
Opioids	0	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	3,297	86.8	4.0	$33,747	$2,929
Age					
<18	491	63.3	4.3	$24,607	$1,559
18-44	631	59.2	3.6	$22,712	$1,345
45-64	821	66.2	4.2	$43,875	$2,906
65+	1,354	188.6	4.0	$36,063	$6,802

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	35	0.9	3.0	$9,450	$9
18-44	15	.	0.0	$0	$0
45-64	12	.	0.0	$0	$0
Drug-related					
Total	30	0.8	1.7	$10,486	$8
18-44	11	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	185	4.9	7.6	$13,492	$66
<18	45	5.8	8.7	$15,123	$88
18-44	89	8.4	6.6	$11,159	$93
45-64	44	3.5	7.6	$14,239	$51
65+	7	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	136	3.6	6.0	$75,319	$270
18-44	7	.	0.0	$0	$0
45-64	59	4.8	6.7	$91,287	$434
65+	67	9.3	5.3	$54,873	$512
Neoplasms: Female Breast (rates for female population)					
Total	6	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	8	.	0.0	$0	$0
65+	7	.	0.0	$0	$0
Neoplasms: Lung					
Total	9	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	34	0.9	4.8	$27,508	$25
65+	12	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	119	3.1	3.7	$67,478	$211
45-64	39	3.1	3.6	$77,737	$245
65+	78	10.9	3.8	$62,782	$682
Cerebrovascular Disease					
Total	108	2.8	4.3	$32,788	$93
45-64	32	2.6	4.7	$43,729	$113
65+	74	10.3	4.1	$27,700	$286
CHRONIC PULMONARY DISEASE					
Asthma					
Total	7	.	0.0	$0	$0
<18	1	.	0.0	$0	$0
18-44	4	.	0.0	$0	$0
45-64	2	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	56	1.5	2.9	$15,161	$22
45-64	19	.	0.0	$0	$0
65+	37	5.2	3.0	$16,582	$85
PNEUMONIA and INFLUENZA					
Total	75	2.0	3.2	$15,777	$31
<18	8	.	0.0	$0	$0
45-64	15	.	0.0	$0	$0
65+	50	7.0	3.1	$14,059	$98

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			37,983
County population rank (1-72)			38
Population per square mile			38
County rank in population density (1-72)			43
Population growth 2013-2017			239
County rank in 5-year population growth (1-72)			27

	Female	**Male**	**Total**
Total	18,559	19,424	37,983
Age			
0-14	3,102	3,289	6,391
15-17	635	725	1,360
18-19	414	460	874
20-24	847	942	1,789
25-44	3,859	4,134	7,993
45-64	6,052	6,345	12,397
65-84	3,209	3,248	6,457
85+	441	281	722
Race/Ethnicity			
White	17,755	18,590	36,345
African American	101	128	228
American Indian	282	267	549
Hispanic	317	371	689
Asian	103	68	171

POVERTY ESTIMATES

	Estimate (%)	**(CI +/-)**
All ages	9%	3.4%
Ages 0-17	12.8%	6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$33,133

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	20,700
Unemployment rate	3.5%
Five-year avg. unemployment rate (2013-2017)	5.4%
Median household income	$57,860
Rank in median household income (1-72)	26

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	30	163.8	105.9	70.1	156.5
Melanoma	12	32.0	24.5	12.3	44.9
Colorectal	23	61.4	45.3	28.4	69.9
Lung and bronchus	35	93.4	58.1	39.8	83.5
Prostate*	38	198.4	121.7	85.0	172.2
Total	256	683.2	467.0	408.5	532.5

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	6
Babesiosis	0
Blastomycosis	<5
Campylobacter enteritis	16
Cryptosporidiosis	5
E.coli, shiga toxin-producing (STEC)	0
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	11
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	9
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	32
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	<5
Salmonellosis	6
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	5
Sexually Transmitted Disease	
Chlamydia trachomatis	72
Gonorrhea (all stages)	<5
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	182	7
Alcohol-related	19	1
With citation for OWI	10	1
With citation for speeding	15	1
Motorcyclist	16	1
Bicyclist	2	0
Pedestrian	0	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS
Total live births	324
Crude live birth rate (per 1,000)	9.0
General fertility rate (per 1,000)	66.8

PREGNANCY CHARACTERISTICS
Delivery Type	Births	%
Vaginal after prev. cesarean	10	3.1
Other vaginal	203	62.7
Vaginal vacuum	14	4.3
Forceps	3	0.9
Primary cesarean	57	17.6
Repeat cesarean	37	11.4
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	2	0.6
1-4	12	3.7
5-9	54	16.7
10-12	114	35.2
13+	140	43.2
Unknown	2	0.6
First Prenatal Care Visit		
First trimester	252	77.8
Second trimester	54	16.7
Third trimester	10	3.1
No visits	2	0.6
Unknown	6	1.9

MATERNAL CHARACTERISTICS
Marital Status	Births	%
Married	191	59.0
Unmarried	128	39.5
Unknown	5	1.5
Education		
Elementary or less	1	0.3
Some high school	20	6.2
High school graduate	92	28.4
Some college	119	36.7
College graduate	90	27.8
Unknown	2	0.6
Smoking		
Smoker	64	19.8
Nonsmoker	258	79.6
Unknown	2	1.5

INFANT CHARACTERISTICS
Birthweight	Births	%
< 1,500 gm	3	0.9
1,500-2,499 gm	22	6.8
2,500+ gm	299	92.3
Unknown	0	0.0
Birth Order		
First	118	36.4
Second	112	34.6
Third	53	16.4
Fourth or higher	41	12.7
Unknown	0	0.0
Reported congenital anomalies [1]	2	0.6

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	302	93.2	23	7.6	234	77.5	52	17.2	16	5.3
Black/African-American	1	0.3	0	0.0	1	100.0	0	0.0	0	0.0
American Indian	5	1.5	1	20.0	5	100.0	0	0.0	0	0.0
Hispanic/Latino	6	1.9	1	16.7	5	83.3	1	16.7	0	0.0
Asian	5	1.5	0	0.0	4	80.0	1	20.0	0	0.0
Two or more races	5	1.5	0	0.0	3	60.0	0	0.0	2	40.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	2	.	0	0.0	2	100.0	0	0.0	0	0.0
18-19	14	.	2	14.3	10	71.4	2	14.3	2	14.3
20-24	74	101.4	5	6.8	57	77.0	10	13.5	7	9.5
25-29	100	128.7	13	13.0	81	81.0	15	15.0	4	4.0
30-34	92	107.6	5	5.4	76	82.6	12	13.0	4	4.3
35-39	38	44.8	0	0.0	25	65.8	12	31.6	1	2.6
40+	4	.	0	0.0	1	25.0	3	75.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	16	19.6								

Trimester of First Prenatal Visit

DEFINITIONS
Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES
Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES
[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	1	.
Neonatal	1	.
Fetal	0	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	2	.
Neonatal	1	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	1	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	2	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	484	
Crude death rate (per 100,000)	1,348.8	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	1	.
15-19	0	.
20-34	7	.
35-54	27	322.2
55-64	59	882.7
65-74	83	1,615.7
75-84	133	4,810.1
85+	172	14,956.5
Selected Underlying Causes		
Heart disease (total)	104	289.8
Ischemic heart disease	66	183.9
Cancer (total)	122	340.0
Trachea/Bronchus/Lung	39	108.7
Colorectal	11	.
Female breast*	9	.
Cerebrovascular disease	24	66.9
Lower respiratory disease	33	92.0
Pneumonia and influenza	7	.
Accidents	20	55.7
Motor vehicle	3	.
Diabetes	12	.
Infectious/Parasitic diseases	7	.
Suicide	6	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	24	65.6
Opioids	0	.
Other drugs	0	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	4,204	117.2	4.2	$32,316	$3,786
Age					
<18	472	78.0	3.7	$13,724	$1,071
18-44	663	72.2	3.5	$20,967	$1,513
45-64	1,013	87.4	4.3	$37,637	$3,289
65+	2,056	227.1	4.5	$37,623	$8,545

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	115	3.2	4.2	$18,494	$59
18-44	21	2.3	3.5	$18,119	$41
45-64	87	7.5	4.5	$18,809	$141
Drug-related					
Total	27	0.8	2.5	$14,666	$11
18-44	8	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	273	7.6	7.9	$15,977	$122
<18	63	10.4	10.1	$17,392	$181
18-44	122	13.3	5.9	$12,231	$162
45-64	64	5.5	7.4	$16,736	$92
65+	24	2.7	14.0	$29,273	$78
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	162	4.5	5.4	$56,624	$256
18-44	3	.	0.0	$0	$0
45-64	59	5.1	4.9	$53,548	$273
65+	99	10.9	5.7	$58,815	$643
Neoplasms: Female Breast (rates for female population)					
Total	2	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	15	.	0.0	$0	$0
65+	11	.	0.0	$0	$0
Neoplasms: Lung					
Total	16	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	47	1.3	5.0	$33,943	$44
65+	22	2.4	5.1	$30,871	$75
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	195	5.4	3.8	$56,064	$305
45-64	70	6.0	3.6	$63,718	$385
65+	123	13.6	4.0	$51,772	$703
Cerebrovascular Disease					
Total	141	3.9	5.1	$39,043	$153
45-64	33	2.8	4.8	$47,843	$136
65+	102	11.3	5.3	$33,040	$372
CHRONIC PULMONARY DISEASE					
Asthma					
Total	11	.	0.0	$0	$0
<18	8	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	3	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	64	1.8	4.0	$20,581	$37
45-64	15	.	0.0	$0	$0
65+	49	5.4	4.2	$21,906	$119
PNEUMONIA and INFLUENZA					
Total	64	1.8	4.4	$20,967	$37
<18	4	.	0.0	$0	$0
45-64	16	.	0.0	$0	$0
65+	40	4.4	5.0	$22,418	$99

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		35,883
County population rank (1-72)		40
Population per square mile		32
County rank in population density (1-72)		48
Population growth 2013-2017		-57
County rank in 5-year population growth (1-72)		56

	Female	Male	Total
Total	17,787	18,096	35,883
Age			
0-14	2,470	2,596	5,066
15-17	481	504	985
18-19	334	376	710
20-24	730	817	1,547
25-44	3,304	3,628	6,932
45-64	5,736	5,855	11,591
65-84	3,999	3,903	7,902
85+	733	417	1,150
Race/Ethnicity			
White	17,082	17,295	34,377
African American	107	174	281
American Indian	200	235	436
Hispanic	264	305	568
Asian	134	87	220

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	9.4%	4%
Ages 0-17	14.7%	7.6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$39,330

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	18,413
Unemployment rate	3.9%
Five-year avg. unemployment rate (2013-2017)	5.98%
Median household income	$56,170
Rank in median household income (1-72)	30

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	40	226.4	148.4	100.5	213.5
Melanoma	8	22.6	16.2	6.2	36.0
Colorectal	26	73.5	43.4	27.0	68.0
Lung and bronchus	40	113.1	58.8	41.9	83.0
Prostate*	38	214.6	114.9	80.2	164.3
Total	273	771.8	455.8	398.5	520.4

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	31
Babesiosis	<5
Blastomycosis	<5
Campylobacter enteritis	6
Cryptosporidiosis	5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	18
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	38
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	43
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	13
Salmonellosis	<5
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	5
Sexually Transmitted Disease	
Chlamydia trachomatis	72
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	181	3
Alcohol-related	31	1
With citation for OWI	16	0
With citation for speeding	17	0
Motorcyclist	20	2
Bicyclist	1	0
Pedestrian	0	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	1,580	71.7
Unmarried	611	27.7
Unknown	13	0.6
Education		
Elementary or less	22	1.0
Some high school	98	4.4
High school graduate	511	23.2
Some college	692	31.4
College graduate	874	39.7
Unknown	7	0.3
Smoking		
Smoker	230	10.4
Nonsmoker	1,966	89.2
Unknown	8	0.6

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	2,204
Crude live birth rate (per 1,000)	12.0
General fertility rate (per 1,000)	63.9

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	55	2.5
Other vaginal	1,506	68.3
Vaginal vacuum	71	3.2
Forceps	8	0.4
Primary cesarean	304	13.8
Repeat cesarean	257	11.7
Cesarean (unk. repeat/primary)	1	0.0
Other/Unknown	2	0.1
Prenatal Care Visits		
No visits	7	0.3
1-4	29	1.3
5-9	209	9.5
10-12	582	26.4
13+	1,340	60.8
Unknown	37	1.7
First Prenatal Care Visit		
First trimester	1,821	82.6
Second trimester	254	11.5
Third trimester	84	3.8
No visits	7	0.3
Unknown	38	1.7

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	20	0.9
1,500-2,499 gm	133	6.0
2,500+ gm	2,048	92.9
Unknown	3	0.1
Birth Order		
First	761	34.5
Second	776	35.2
Third	416	18.9
Fourth or higher	249	11.3
Unknown	2	0.1
Reported congenital anomalies [1]	10	0.5

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
White	1,821	82.6	114	6.3	1,553	85.3	173	9.5	95	5.2
Black/African-American	42	1.9	7	16.7	30	71.4	7	16.7	5	11.9
American Indian	41	1.9	1	2.4	28	68.3	10	24.4	3	7.3
Hispanic/Latino	134	6.1	22	16.4	104	77.6	19	14.2	11	8.2
Asian	124	5.6	5	4.0	79	63.7	39	31.5	6	4.8
Two or more races	26	1.2	2	7.7	20	76.9	4	15.4	2	7.7
Other/Unknown	16	0.7	2	12.5	7	43.8	2	12.5	7	43.8
Age	**Births**	**Fertility (per 1,000)**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	11	.	1	9.1	8	72.7	3	27.3	0	0.0
18-19	61	26.6	8	13.1	46	75.4	10	16.4	5	8.2
20-24	288	55.5	21	7.3	223	77.4	43	14.9	22	7.6
25-29	763	132.9	46	6.0	633	83.0	92	12.1	38	5.0
30-34	767	124.4	53	6.9	661	86.2	66	8.6	40	5.2
35-39	273	44.0	20	7.3	224	82.1	31	11.4	18	6.6
40+	41	7.5	4	9.8	26	63.4	9	22.0	6	14.6
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	72	12.5								

Trimester of First Prenatal Visit headers: First | Second | Other/Unk.

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Outagamie County

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	20	9.1
Neonatal	7	.
Fetal	13	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	12	.
Neonatal	7	.
Postneonatal	5	.
Birthweight		
< 1,500 gm	4	.
1,500-2,499 gm	2	.
2,500+ gm	5	.
Unknown	0	.
Race of Mother		
White	8	.
Black	3	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	1,415	
Crude death rate (per 100,000)	771.6	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	3	.
15-19	3	.
20-34	31	87.2
35-54	106	216.2
55-64	146	587.2
65-74	256	1,662.1
75-84	346	4,602.3
85+	511	14,658.6
Selected Underlying Causes		
Heart disease (total)	290	158.1
Ischemic heart disease	158	86.2
Cancer (total)	286	156.0
Trachea/Bronchus/Lung	68	37.1
Colorectal	24	13.1
Female breast*	21	11.5
Cerebrovascular disease	59	32.2
Lower respiratory disease	82	44.7
Pneumonia and influenza	28	15.3
Accidents	79	43.1
Motor vehicle	27	14.7
Diabetes	39	21.3
Infectious/Parasitic diseases	25	13.6
Suicide	30	16.4
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	56	30.8
Opioids	17	.
Other drugs	4	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS				
	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	15,700	85.6	3.8	$24,364	$2,086
Age					
<18	3,256	76.2	3.6	$14,838	$1,131
18-44	4,150	64.9	3.3	$14,905	$968
45-64	3,481	69.2	4.3	$35,658	$2,466
65+	4,813	182.3	4.1	$30,794	$5,613

Cause by selected age group				
	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	370	2.0	3.5	$11,348	$23
18-44	156	2.4	2.9	$6,683	$16
45-64	196	3.9	3.8	$14,368	$56
Drug-related					
Total	110	0.6	3.1	$13,845	$8
18-44	49	0.8	2.8	$13,400	$10
MENTAL HEALTH DISORDERS					
Total	1,506	8.2	5.7	$10,092	$83
<18	416	9.7	6.2	$12,104	$118
18-44	735	11.5	5.1	$8,668	$100
45-64	301	6.0	6.1	$9,772	$58
65+	54	2.0	8.0	$15,775	$32
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	517	2.8	5.7	$58,870	$166
18-44	47	0.7	7.4	$87,681	$64
45-64	213	4.2	5.6	$62,378	$264
65+	245	9.3	5.4	$46,787	$434
Neoplasms: Female Breast (rates for female population)					
Total	7	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	43	0.2	4.9	$33,926	$8
65+	26	1.0	5.3	$31,944	$31
Neoplasms: Lung					
Total	50	0.3	4.7	$33,038	$9

Cause by selected age group				
	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	158	0.9	4.0	$25,585	$22
65+	38	1.4	4.9	$26,362	$38
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	415	2.3	3.8	$54,476	$123
45-64	164	3.3	3.6	$58,059	$189
65+	235	8.9	4.1	$52,926	$471
Cerebrovascular Disease					
Total	408	2.2	4.6	$29,278	$65
45-64	118	2.3	5.7	$35,995	$84
65+	261	9.9	4.0	$23,304	$230
CHRONIC PULMONARY DISEASE					
Asthma					
Total	34	0.2	3.1	$13,513	$3
<18	8	.	0.0	$0	$0
18-44	11	.	0.0	$0	$0
45-64	10	.	0.0	$0	$0
65+	5	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	144	0.8	3.4	$13,971	$11
45-64	54	1.1	3.0	$14,199	$15
65+	88	3.3	3.6	$13,011	$43
PNEUMONIA and INFLUENZA					
Total	220	1.2	3.9	$17,996	$22
<18	24	0.6	2.9	$21,389	$12
45-64	36	0.7	4.0	$19,931	$14
65+	142	5.4	3.9	$15,177	$82

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

👥 Population (2017 data)   Outagamie County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		183,386
County population rank (1-72)		6
Population per square mile		288
County rank in population density (1-72)		10
Population growth 2013-2017		3,556
County rank in 5-year population growth (1-72)		4

	Female	Male	Total
Total	91,909	91,477	183,386
Age			
0-14	17,307	18,237	35,544
15-17	3,477	3,708	7,185
18-19	2,294	2,495	4,789
20-24	5,190	5,733	10,923
25-44	23,541	24,666	48,207
45-64	25,440	24,892	50,332
65-84	12,387	10,533	22,920
85+	2,273	1,213	3,486
Race/Ethnicity			
White	81,755	80,539	162,294
African American	1,373	1,705	3,078
American Indian	1,564	1,541	3,105
Hispanic	3,832	4,251	8,083
Asian	3,385	3,441	6,826

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	7.1%	2%
Ages 0-17	8.3%	3.4%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$46,456

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	104,235
Unemployment rate	3%
Five-year avg. unemployment rate (2013-2017)	4.28%
Median household income	$65,945
Rank in median household income (1-72)	8

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	135	146.0	124.9	104.1	148.7
Melanoma	42	22.7	20.7	14.8	28.1
Colorectal	88	47.7	42.5	33.9	52.7
Lung and bronchus	90	48.7	44.1	35.3	54.5
Prostate*	124	134.5	116.0	95.9	139.3
Total	926	501.5	442.2	413.4	472.4

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Diseases (2017 data)

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	<5
Blastomycosis	<5
Campylobacter enteritis	40
Cryptosporidiosis	17
E.coli, shiga toxin-producing (STEC)	7
Ehrlichiosis/Anaplasmosis	7
Giardiasis	20
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	76
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	21
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	30
Salmonellosis	31
Streptococcal disease (Group A)	7
Streptococcal disease (Group B)	13
Sexually Transmitted Disease	
Chlamydia trachomatis	654
Gonorrhea (all stages)	91
Syphilis (all stages)	12

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	1,215	19
Alcohol-related	77	7
With citation for OWI	39	2
With citation for speeding	108	1
Motorcyclist	70	6
Bicyclist	39	0
Pedestrian	38	2

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	832
Crude live birth rate (per 1,000)	9.5
General fertility rate (per 1,000)	57.1

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	20	2.4
Other vaginal	551	66.2
Vaginal vacuum	17	2.0
Forceps	5	0.6
Primary cesarean	130	15.6
Repeat cesarean	109	13.1
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	0.1
1-4	7	0.8
5-9	64	7.7
10-12	301	36.2
13+	417	50.1
Unknown	42	5.0
First Prenatal Care Visit		
First trimester	702	84.4
Second trimester	87	10.5
Third trimester	13	1.6
No visits	1	0.1
Unknown	29	3.5

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	711	85.5
Unmarried	120	14.4
Unknown	1	0.1
Education		
Elementary or less	1	0.1
Some high school	7	0.8
High school graduate	94	11.3
Some college	164	19.7
College graduate	562	67.5
Unknown	4	0.5
Smoking		
Smoker	39	4.7
Nonsmoker	787	94.6
Unknown	6	0.1

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	11	1.3
1,500-2,499 gm	35	4.2
2,500+ gm	786	94.5
Unknown	0	0.0
Birth Order		
First	285	34.3
Second	317	38.1
Third	161	19.4
Fourth or higher	69	8.3
Unknown	0	0.0
Reported congenital anomalies [1]	9	1.1

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	743	89.3	40	5.4	638	85.9	70	9.4	35	4.7
Black/African-American	12	1.4	0	0.0	8	66.7	3	25.0	1	8.3
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	25	3.0	1	4.0	18	72.0	3	12.0	4	16.0
Asian	36	4.3	5	13.9	28	77.8	5	13.9	3	8.3
Two or more races	14	1.7	0	0.0	9	64.3	5	35.7	0	0.0
Other/Unknown	2	0.2	0	0.0	1	50.0	1	50.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	2	.	0	0.0	2	100.0	0	0.0	0	0.0
18-19	6	.	2	33.3	3	50.0	2	33.3	1	16.7
20-24	58	24.7	2	3.4	41	70.7	14	24.1	3	5.2
25-29	184	82.4	6	3.3	163	88.6	17	9.2	4	2.2
30-34	380	167.3	20	5.3	333	87.6	30	7.9	17	4.5
35-39	179	73.5	15	8.4	144	80.4	17	9.5	18	10.1
40+	23	9.5	1	4.3	16	69.6	7	30.4	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	8	2.8								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	9	.
Neonatal	6	.
Fetal	3	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	7	.
Neonatal	6	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	2	.
1,500-2,499 gm	1	.
2,500+ gm	4	.
Unknown	0	.
Race of Mother		
White	7	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	777	
Crude death rate (per 100,000)	883.6	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	2	.
20-34	11	.
35-54	43	193.5
55-64	71	508.0
65-74	111	1,171.0
75-84	198	4,087.5
85+	334	13,677.3
Selected Underlying Causes		
Heart disease (total)	185	210.4
Ischemic heart disease	102	116.0
Cancer (total)	171	194.5
Trachea/Bronchus/Lung	40	45.5
Colorectal	14	.
Female breast*	15	.
Cerebrovascular disease	40	45.5
Lower respiratory disease	43	48.9
Pneumonia and influenza	17	.
Accidents	48	54.6
Motor vehicle	8	.
Diabetes	19	.
Infectious/Parasitic diseases	13	.
Suicide	10	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	32	36.4
Opioids	10	.
Other drugs	3	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	8,341	94.9	4.2	$40,993	$3,888
Age					
<18	1,224	66.1	4.0	$20,047	$1,324
18-44	1,665	63.8	3.5	$25,234	$1,609
45-64	1,732	65.3	4.2	$54,853	$3,581
65+	3,720	221.9	4.5	$48,485	$10,758

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	189	2.1	4.1	$25,178	$54
18-44	70	2.7	3.0	$13,220	$35
45-64	100	3.8	4.6	$28,684	$108
Drug-related					
Total	61	0.7	3.1	$30,357	$21
18-44	24	0.9	2.2	$22,443	$21
MENTAL HEALTH DISORDERS					
Total	587	6.7	6.5	$19,152	$128
<18	156	8.4	6.6	$19,862	$167
18-44	301	11.5	5.5	$15,879	$183
45-64	80	3.0	7.3	$21,168	$64
65+	50	3.0	10.8	$33,417	$100
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	306	3.5	5.4	$82,875	$288
18-44	25	1.0	8.5	$147,731	$141
45-64	112	4.2	5.6	$94,470	$399
65+	166	9.9	4.8	$65,421	$648
Neoplasms: Female Breast (rates for female population)					
Total	10	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	16	.	0.0	$0	$0
65+	11	.	0.0	$0	$0
Neoplasms: Lung					
Total	29	0.3	3.7	$58,606	$19

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	62	0.7	4.4	$45,858	$32
65+	31	1.8	4.7	$48,272	$89
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	175	2.0	4.4	$88,396	$176
45-64	58	2.2	3.6	$87,695	$192
65+	117	7.0	4.8	$88,744	$619
Cerebrovascular Disease					
Total	206	2.3	5.5	$52,504	$123
45-64	30	1.1	3.8	$59,235	$67
65+	170	10.1	5.8	$50,442	$511
CHRONIC PULMONARY DISEASE					
Asthma					
Total	9	.	0.0	$0	$0
<18	1	.	0.0	$0	$0
18-44	3	.	0.0	$0	$0
45-64	3	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	122	1.4	3.9	$28,602	$40
45-64	28	1.1	3.7	$24,548	$26
65+	94	5.6	4.0	$29,810	$167
PNEUMONIA and INFLUENZA					
Total	152	1.7	4.2	$29,429	$51
<18	8	.	0.0	$0	$0
45-64	20	0.8	4.6	$33,693	$25
65+	115	6.9	4.0	$27,671	$190

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		87,935
County population rank (1-72)		18
Population per square mile		377
County rank in population density (1-72)		8
Population growth 2013-2017		976
County rank in 5-year population growth (1-72)		11

	Female	Male	Total
Total	44,826	43,109	87,935
Age			
0-14	7,282	7,760	15,042
15-17	1,635	1,851	3,486
18-19	1,213	1,306	2,519
20-24	2,349	2,473	4,822
25-44	9,370	9,401	18,771
45-64	13,657	12,873	26,530
65-84	7,711	6,612	14,323
85+	1,609	833	2,442
Race/Ethnicity			
White	41,549	39,601	81,150
African American	718	834	1,553
American Indian	118	111	229
Hispanic	1,229	1,357	2,587
Asian	1,211	1,206	2,417

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	4.9%	1.8%
Ages 0-17	4.5%	2.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$46,064

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	49,278
Unemployment rate	2.7%
Five-year avg. unemployment rate (2013-2017)	3.82%
Median household income	$85,098
Rank in median household income (1-72)	1

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	82	183.0	139.7	109.4	176.4
Melanoma	34	38.6	29.3	19.9	42.0
Colorectal	29	32.9	24.7	16.2	36.5
Lung and bronchus	70	79.4	56.7	44.0	72.4
Prostate*	87	200.6	140.7	111.9	175.5
Total	589	668.0	489.6	449.0	533.0

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	0
Babesiosis	0
Blastomycosis	<5
Campylobacter enteritis	15
Cryptosporidiosis	7
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	5
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	19
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	15
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	9
Salmonellosis	16
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	5
Sexually Transmitted Disease	
Chlamydia trachomatis	123
Gonorrhea (all stages)	14
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	412	5
Alcohol-related	31	1
With citation for OWI	19	0
With citation for speeding	27	0
Motorcyclist	23	2
Bicyclist	10	0
Pedestrian	13	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	87
Crude live birth rate (per 1,000)	11.8
General fertility rate (per 1,000)	80.1

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	3	3.4
Other vaginal	57	65.5
Vaginal vacuum	2	2.3
Forceps	0	0.0
Primary cesarean	15	17.2
Repeat cesarean	10	11.5
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	0	0.0
1-4	6	6.9
5-9	21	24.1
10-12	29	33.3
13+	26	29.9
Unknown	5	5.7
First Prenatal Care Visit		
First trimester	51	58.6
Second trimester	26	29.9
Third trimester	6	6.9
No visits	0	0.0
Unknown	4	4.6

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	59	67.8
Unmarried	28	32.2
Unknown	0	0.0
Education		
Elementary or less	13	14.9
Some high school	3	3.4
High school graduate	17	19.5
Some college	35	40.2
College graduate	19	21.8
Unknown	0	0.0
Smoking		
Smoker	13	14.9
Nonsmoker	74	85.1
Unknown	0	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	0	0.0
1,500-2,499 gm	5	5.7
2,500+ gm	82	94.3
Unknown	0	0.0
Birth Order		
First	28	32.2
Second	25	28.7
Third	19	21.8
Fourth or higher	15	17.2
Unknown	0	0.0
Reported congenital anomalies [1]	0	0.0

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES 　　　　　　　　　　　**Trimester of First Prenatal Visit**

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
White	78	89.7	2	2.6	46	59.0	24	30.8	8	10.3
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	3	3.4	0	0.0	3	100.0	0	0.0	0	0.0
Asian	2	2.3	1	50.0	2	100.0	0	0.0	0	0.0
Two or more races	2	2.3	0	0.0	0	0.0	2	100.0	0	0.0
Other/Unknown	2	2.3	2	100.0	0	0.0	0	0.0	2	100.0
Age	**Births**	**Fertility (per 1,000)**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	0	.	0	0.0	0	0.0	0	0.0	0	0.0
18-19	0	.	0	0.0	0	0.0	0	0.0	0	0.0
20-24	21	135.5	0	0.0	11	52.4	9	42.9	1	4.8
25-29	26	162.5	1	3.8	14	53.8	8	30.8	4	15.4
30-34	25	130.9	1	4.0	17	68.0	7	28.0	1	4.0
35-39	9	.	0	0.0	5	55.6	2	22.2	2	22.2
40+	6	.	3	50.0	4	66.7	0	0.0	2	33.3
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	0	0.0								

DEFINITIONS
Birthweight: Infant weight at time of delivery (reported here in grams).
Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.
Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.
Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.
Teen birth: Births in which the mother was less than 20 years old.

MEASURES
Crude live birth rate: Number of live births per 1,000 population.
General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).
Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.
Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES
[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Deaths (2017 data)

Pepin County

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	2	.
Neonatal	0	.
Fetal	2	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	0	.
Neonatal	0	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	0	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	61	
Crude death rate (per 100,000)	827.3	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	0	.
20-34	0	.
35-54	3	.
55-64	14	.
65-74	8	.
75-84	16	.
85+	20	9,615.4
Selected Underlying Causes		
Heart disease (total)	16	.
Ischemic heart disease	12	.
Cancer (total)	13	.
Trachea/Bronchus/Lung	4	.
Colorectal	1	.
Female breast*	0	.
Cerebrovascular disease	4	.
Lower respiratory disease	4	.
Pneumonia and influenza	0	.
Accidents	0	.
Motor vehicle	0	.
Diabetes	3	.
Infectious/Parasitic diseases	2	.
Suicide	3	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	2	.
Opioids	0	.
Other drugs	0	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	746	101.2	4.1	$32,205	$3,259
Age					
<18	111	74.0	4.1	$19,880	$1,471
18-44	122	62.8	3.1	$23,837	$1,497
45-64	154	67.2	4.0	$37,864	$2,545
65+	359	219.0	4.5	$36,432	$7,980

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	11	.	0.0	$0	$0
18-44	3	.	0.0	$0	$0
45-64	4	.	0.0	$0	$0
Drug-related					
Total	4	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	34	4.6	6.3	$11,699	$54
<18	7	.	0.0	$0	$0
18-44	15	.	0.0	$0	$0
45-64	9	.	0.0	$0	$0
65+	3	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	24	3.3	4.1	$41,009	$133
18-44	0	.	0.0	$0	$0
45-64	10	.	0.0	$0	$0
65+	14	.	0.0	$0	$0
Neoplasms: Female Breast (rates for female population)					
Total	1	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	3	.	0.0	$0	$0
65+	3	.	0.0	$0	$0
Neoplasms: Lung					
Total	1	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	6	.	0.0	$0	$0
65+	3	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	27	3.7	3.8	$67,810	$248
45-64	11	.	0.0	$0	$0
65+	16	.	0.0	$0	$0
Cerebrovascular Disease					
Total	14	.	0.0	$0	$0
45-64	2	.	0.0	$0	$0
65+	11	.	0.0	$0	$0
CHRONIC PULMONARY DISEASE					
Asthma					
Total	2	.	0.0	$0	$0
<18	2	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	0	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	21	2.8	3.2	$17,566	$50
45-64	4	.	0.0	$0	$0
65+	17	.	0.0	$0	$0
PNEUMONIA and INFLUENZA					
Total	25	3.4	4.8	$22,651	$77
<18	0	.	0.0	$0	$0
45-64	6	.	0.0	$0	$0
65+	19	.	0.0	$0	$0

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

Pepin County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			7,373
County population rank (1-72)			69
Population per square mile			32
County rank in population density (1-72)			49
Population growth 2013-2017			-43
County rank in 5-year population growth (1-72)			55

	Female	Male	Total
Total	3,624	3,749	7,373
Age			
0-14	591	658	1,249
15-17	115	136	251
18-19	70	105	175
20-24	155	183	338
25-44	746	684	1,430
45-64	1,139	1,152	2,291
65-84	689	742	1,431
85+	119	89	208
Race/Ethnicity			
White	3,526	3,616	7,143
African American	13	32	45
American Indian	12	11	23
Hispanic	57	83	140
Asian	16	6	22

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	10.7%	4.2%
Ages 0-17	16.4%	7.6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$37,752

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	4,227
Unemployment rate	3.5%
Five-year avg. unemployment rate (2013-2017)	4.4%
Median household income	$51,544
Rank in median household income (1-72)	45

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	^	^	^	^	^
Melanoma	^	^	^	^	^
Colorectal	^	^	^	^	^
Lung and bronchus	6	82.6	46.1	16.7	116.4
Prostate*	6	163.4	109.8	40.1	261.9
Total	43	591.8	358.1	257.1	494.0

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	7
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	0
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	6
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	<5
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	0
Salmonellosis	0
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	14
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	41	0
Alcohol-related	1	0
With citation for OWI	1	0
With citation for speeding	5	0
Motorcyclist	10	0
Bicyclist	0	0
Pedestrian	1	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

MATERNAL CHARACTERISTICS		
Marital Status	**Births**	**%**
Married	285	73.8
Unmarried	101	26.2
Unknown	0	0.0
Education		
Elementary or less	1	0.3
Some high school	9	2.3
High school graduate	79	20.5
Some college	139	36.0
College graduate	158	40.9
Unknown	0	0.0
Smoking		
Smoker	37	9.6
Nonsmoker	349	90.4
Unknown	0	0.0

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS	
Total live births	386
Crude live birth rate (per 1,000)	9.3
General fertility rate (per 1,000)	43.9

PREGNANCY CHARACTERISTICS		
Delivery Type	**Births**	**%**
Vaginal after prev. cesarean	10	2.6
Other vaginal	256	66.3
Vaginal vacuum	7	1.8
Forceps	3	0.8
Primary cesarean	61	15.8
Repeat cesarean	49	12.7
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	0	0.0
1-4	5	1.3
5-9	110	28.5
10-12	154	39.9
13+	110	28.5
Unknown	7	1.8
First Prenatal Care Visit		
First trimester	300	77.7
Second trimester	72	18.7
Third trimester	10	2.6
No visits	0	0.0
Unknown	4	1.0

INFANT CHARACTERISTICS		
Birthweight	**Births**	**%**
< 1,500 gm	1	0.3
1,500-2,499 gm	18	4.7
2,500+ gm	367	95.1
Unknown	0	0.0
Birth Order		
First	132	34.2
Second	138	35.8
Third	62	16.1
Fourth or higher	53	13.7
Unknown	1	0.3
Reported congenital anomalies [1]	1	0.3

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
White	368	95.3	17	4.6	288	78.3	66	17.9	14	3.8
Black/African-American	5	1.3	0	0.0	2	40.0	3	60.0	0	0.0
American Indian	1	0.3	0	0.0	0	0.0	1	100.0	0	0.0
Hispanic/Latino	7	1.8	1	14.3	5	71.4	2	28.6	0	0.0
Asian	2	0.5	1	50.0	2	100.0	0	0.0	0	0.0
Two or more races	1	0.3	0	0.0	1	100.0	0	0.0	0	0.0
Other/Unknown	2	0.5	0	0.0	2	100.0	0	0.0	0	0.0
		Fertility								
Age	**Births**	**(per 1,000)**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	0	.	0	0.0	0	0.0	0	0.0	0	0.0
18-19	9	.	0	0.0	4	44.4	5	55.6	0	0.0
20-24	57	22.8	4	7.0	46	80.7	9	15.8	2	3.5
25-29	129	115.7	6	4.7	94	72.9	28	21.7	7	5.4
30-34	126	126.0	6	4.8	109	86.5	16	12.7	1	0.8
35-39	55	49.0	3	5.5	44	80.0	7	12.7	4	7.3
40+	10	.	0	0.0	3	30.0	7	70.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	9	4.7								

Trimester of First Prenatal Visit (column group header spanning First / Second / Other/Unk.)

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	2	.
Neonatal	1	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	1	.
Neonatal	1	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	1	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	1	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	322	
Crude death rate (per 100,000)	776.8	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	2	.
15-19	0	.
20-34	6	.
35-54	25	249.9
55-64	37	655.8
65-74	57	1,657.0
75-84	75	4,918.0
85+	119	19,040.0
Selected Underlying Causes		
Heart disease (total)	74	178.5
Ischemic heart disease	39	94.1
Cancer (total)	75	180.9
Trachea/Bronchus/Lung	13	.
Colorectal	5	.
Female breast*	3	.
Cerebrovascular disease	25	60.3
Lower respiratory disease	13	.
Pneumonia and influenza	1	.
Accidents	25	60.3
Motor vehicle	5	.
Diabetes	9	.
Infectious/Parasitic diseases	3	.
Suicide	5	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	14	.
Opioids	2	.
Other drugs	3	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	4,031	97.2	3.7	$31,624	$3,075
Age					
<18	681	71.3	3.0	$17,771	$1,268
18-44	926	60.6	3.0	$20,169	$1,223
45-64	865	78.4	4.0	$40,562	$3,178
65+	1,559	278.9	4.1	$39,520	$11,022

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	63	1.5	3.6	$14,764	$22
18-44	21	1.4	2.9	$10,672	$15
45-64	37	3.4	3.9	$15,842	$53
Drug-related					
Total	19	.	0.0	$0	$0
18-44	11	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	210	5.1	6.0	$15,873	$80
<18	44	4.6	6.6	$17,570	$81
18-44	124	8.1	5.1	$13,120	$106
45-64	29	2.6	7.5	$20,258	$53
65+	13	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	157	3.8	4.9	$54,149	$205
18-44	6	.	0.0	$0	$0
45-64	65	5.9	4.7	$54,266	$320
65+	81	14.5	4.8	$49,647	$719
Neoplasms: Female Breast (rates for female population)					
Total	7	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	14	.	0.0	$0	$0
65+	6	.	0.0	$0	$0
Neoplasms: Lung					
Total	19	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	54	1.3	4.3	$31,137	$41
65+	23	4.1	5.3	$33,064	$136
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	94	2.3	4.2	$87,076	$197
45-64	30	2.7	3.1	$67,674	$184
65+	60	10.7	4.5	$92,127	$989
Cerebrovascular Disease					
Total	88	2.1	4.8	$44,563	$95
45-64	22	2.0	3.7	$43,180	$86
65+	64	11.4	4.8	$40,117	$459
CHRONIC PULMONARY DISEASE					
Asthma					
Total	6	.	0.0	$0	$0
<18	2	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	2	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	65	1.6	3.0	$16,419	$26
45-64	13	.	0.0	$0	$0
65+	52	9.3	2.8	$14,807	$138
PNEUMONIA and INFLUENZA					
Total	88	2.1	3.0	$15,227	$32
<18	18	.	0.0	$0	$0
45-64	17	.	0.0	$0	$0
65+	51	9.1	3.2	$14,715	$134

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			41,454
County population rank (1-72)			36
Population per square mile			72
County rank in population density (1-72)			27
Population growth 2013-2017			445
County rank in 5-year population growth (1-72)			20

	Female	Male	Total
Total	20,776	20,678	41,454
Age			
0-14	3,623	3,816	7,439
15-17	1,186	923	2,109
18-19	748	699	1,447
20-24	2,505	2,175	4,680
25-44	4,363	4,787	9,150
45-64	5,487	5,552	11,039
65-84	2,464	2,501	4,965
85+	400	225	625
Race/Ethnicity			
White	19,737	19,607	39,344
African American	188	259	446
American Indian	93	98	191
Hispanic	433	449	882
Asian	326	265	591

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	7.8%	3%
Ages 0-17	6.9%	3.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$35,828

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	25,229
Unemployment rate	3.4%
Five-year avg. unemployment rate (2013-2017)	4.2%
Median household income	$69,271
Rank in median household income (1-72)	7

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	16	76.9	63.1	35.0	106.4
Melanoma	9	21.7	17.7	7.9	35.1
Colorectal	13	31.4	27.3	14.3	48.0
Lung and bronchus	23	55.5	43.7	27.2	67.4
Prostate*	10	48.5	31.2	15.0	61.5
Total	150	362.1	302.3	254.3	357.3

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	18
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	<5
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	9
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	21
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	6
Salmonellosis	8
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	0
Sexually Transmitted Disease	
Chlamydia trachomatis	132
Gonorrhea (all stages)	21
Syphilis (all stages)	<5

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	173	7
Alcohol-related	26	0
With citation for OWI	15	0
With citation for speeding	11	0
Motorcyclist	27	1
Bicyclist	6	0
Pedestrian	3	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	400
Crude live birth rate (per 1,000)	9.1
General fertility rate (per 1,000)	56.0

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	8	2.0
Other vaginal	264	66.0
Vaginal vacuum	10	2.5
Forceps	3	0.8
Primary cesarean	61	15.2
Repeat cesarean	54	13.5
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	3	0.8
1-4	11	2.8
5-9	104	26.0
10-12	154	38.5
13+	122	30.5
Unknown	6	1.5
First Prenatal Care Visit		
First trimester	291	72.8
Second trimester	81	20.2
Third trimester	16	4.0
No visits	3	0.8
Unknown	9	2.2

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	240	60.0
Unmarried	160	40.0
Unknown	0	0.0
Education		
Elementary or less	11	2.8
Some high school	20	5.0
High school graduate	109	27.3
Some college	155	38.8
College graduate	104	26.0
Unknown	1	0.2
Smoking		
Smoker	71	17.8
Nonsmoker	327	81.8
Unknown	2	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	8	2.0
1,500-2,499 gm	24	6.0
2,500+ gm	368	92.0
Unknown	0	0.0
Birth Order		
First	129	32.2
Second	128	32.0
Third	80	20.0
Fourth or higher	62	15.5
Unknown	1	0.2
Reported congenital anomalies [1]	1	0.2

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	367	91.8	31	8.4	266	72.5	74	20.2	27	7.4
Black/African-American	2	0.5	0	0.0	2	100.0	0	0.0	0	0.0
American Indian	5	1.2	0	0.0	3	60.0	1	20.0	1	20.0
Hispanic/Latino	9	2.2	1	11.1	6	66.7	3	33.3	0	0.0
Asian	3	0.8	0	0.0	3	100.0	0	0.0	0	0.0
Two or more races	11	2.8	0	0.0	9	81.8	2	18.2	0	0.0
Other/Unknown	3	0.8	0	0.0	2	66.7	1	33.3	0	0.0
Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	1	.	0	0.0	1	100.0	0	0.0	0	0.0
18-19	12	.	2	16.7	9	75.0	2	16.7	1	8.3
20-24	72	67.8	7	9.7	51	70.8	15	20.8	6	8.3
25-29	139	134.4	16	11.5	108	77.7	22	15.8	9	6.5
30-34	122	104.5	5	4.1	86	70.5	30	24.6	6	4.9
35-39	44	33.7	1	2.3	30	68.2	10	22.7	4	9.1
40+	10	.	1	10.0	6	60.0	2	20.0	2	20.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	13	10.0								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Deaths (2017 data)

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	2	.
Neonatal	2	.
Fetal	0	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	3	.
Neonatal	2	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	2	.
1,500-2,499 gm	0	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	3	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	477	
Crude death rate (per 100,000)	1,084.1	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	1	.
15-19	3	.
20-34	9	.
35-54	32	282.5
55-64	51	729.6
65-74	85	1,721.7
75-84	122	5,002.1
85+	171	16,947.5
Selected Underlying Causes		
Heart disease (total)	105	238.6
Ischemic heart disease	50	113.6
Cancer (total)	107	243.2
Trachea/Bronchus/Lung	32	72.7
Colorectal	12	.
Female breast*	6	.
Cerebrovascular disease	26	59.1
Lower respiratory disease	26	59.1
Pneumonia and influenza	11	.
Accidents	24	54.5
Motor vehicle	6	.
Diabetes	14	.
Infectious/Parasitic diseases	5	.
Suicide	14	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	25	57.6
Opioids	1	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	4,925	111.9	3.9	$32,401	$3,627
Age					
<18	631	65.7	3.2	$20,142	$1,323
18-44	943	73.4	3.2	$21,097	$1,548
45-64	1,230	93.5	4.3	$42,832	$4,003
65+	2,121	253.0	4.1	$35,025	$8,860

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	97	2.2	4.4	$17,313	$38
18-44	34	2.6	4.5	$16,416	$43
45-64	55	4.2	4.1	$15,784	$66
Drug-related					
Total	32	0.7	3.3	$19,772	$14
18-44	18	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	221	5.0	7.3	$17,924	$90
<18	39	4.1	7.0	$20,540	$83
18-44	116	9.0	5.3	$12,324	$111
45-64	47	3.6	10.5	$24,570	$88
65+	19	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	176	4.0	4.8	$55,114	$220
18-44	9	.	0.0	$0	$0
45-64	75	5.7	5.0	$57,552	$328
65+	89	10.6	4.9	$54,419	$578
Neoplasms: Female Breast (rates for female population)					
Total	10	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	17	.	0.0	$0	$0
65+	13	.	0.0	$0	$0
Neoplasms: Lung					
Total	20	0.5	3.6	$31,569	$14

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	83	1.9	3.8	$32,730	$62
65+	26	3.1	4.2	$48,097	$149
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	155	3.5	3.9	$75,474	$266
45-64	50	3.8	3.7	$87,665	$333
65+	98	11.7	4.2	$70,148	$820
Cerebrovascular Disease					
Total	128	2.9	5.6	$51,185	$149
45-64	30	2.3	4.2	$53,191	$121
65+	92	11.0	5.5	$43,951	$482
CHRONIC PULMONARY DISEASE					
Asthma					
Total	12	.	0.0	$0	$0
<18	3	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
45-64	7	.	0.0	$0	$0
65+	1	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	120	2.7	3.7	$14,924	$41
45-64	26	2.0	3.6	$15,554	$31
65+	90	10.7	3.8	$14,973	$161
PNEUMONIA and INFLUENZA					
Total	146	3.3	3.6	$15,921	$53
<18	9	.	0.0	$0	$0
45-64	30	2.3	3.6	$20,298	$46
65+	105	12.5	3.7	$14,333	$179

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.

Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).

Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.

Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			44,001
County population rank (1-72)			34
Population per square mile			48
County rank in population density (1-72)			37
Population growth 2013-2017			22
County rank in 5-year population growth (1-72)			43

	Female	Male	Total
Total	21,917	22,084	44,001
Age			
0-14	3,895	4,082	7,977
15-17	768	861	1,629
18-19	538	561	1,099
20-24	1,062	1,117	2,179
25-44	4,770	4,801	9,571
45-64	6,507	6,654	13,161
65-84	3,735	3,641	7,376
85+	642	367	1,009
Race/Ethnicity			
White	20,899	21,161	42,060
African American	133	165	298
American Indian	260	233	494
Hispanic	432	444	876
Asian	193	81	274

POVERTY ESTIMATES

POVERTY ESTIMATES	Estimate (%)	(CI +/-)
All ages	9.3%	3%
Ages 0-17	12.2%	5.6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$35,908

LABOR FORCE ESTIMATES

LABOR FORCE ESTIMATES	Annual Average
Civilian labor force	24,910
Unemployment rate	3.8%
Five-year avg. unemployment rate (2013-2017)	5.2%
Median household income	$55,180
Rank in median household income (1-72)	40

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	35	163.0	105.9	72.2	152.1
Melanoma	10	23.1	17.6	8.0	34.4
Colorectal	23	53.1	34.5	21.7	53.5
Lung and bronchus	29	67.0	41.6	27.6	61.5
Prostate*	48	220.0	143.7	104.9	194.5
Total	235	542.8	363.2	316.5	415.7

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS
Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES
The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	13
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	8
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	10
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	35
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	46
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	5
Salmonellosis	12
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	112
Gonorrhea (all stages)	7
Syphilis (all stages)	<5

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	213	7
Alcohol-related	44	4
With citation for OWI	23	0
With citation for speeding	33	0
Motorcyclist	24	0
Bicyclist	1	0
Pedestrian	3	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	674
Crude live birth rate (per 1,000)	9.5
General fertility rate (per 1,000)	46.6

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	11	1.6
Other vaginal	433	64.2
Vaginal vacuum	14	2.1
Forceps	0	0.0
Primary cesarean	143	21.2
Repeat cesarean	72	10.7
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	1	0.1
Prenatal Care Visits		
No visits	2	0.3
1-4	20	3.0
5-9	112	16.6
10-12	222	32.9
13+	310	46.0
Unknown	8	1.2
First Prenatal Care Visit		
First trimester	504	74.8
Second trimester	116	17.2
Third trimester	39	5.8
No visits	2	0.3
Unknown	13	1.9

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	456	67.7
Unmarried	214	31.8
Unknown	4	0.6
Education		
Elementary or less	10	1.5
Some high school	27	4.0
High school graduate	151	22.4
Some college	217	32.2
College graduate	265	39.3
Unknown	4	0.6
Smoking		
Smoker	62	9.2
Nonsmoker	609	90.4
Unknown	3	0.6

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	9	1.3
1,500-2,499 gm	42	6.2
2,500+ gm	623	92.4
Unknown	0	0.0
Birth Order		
First	257	38.1
Second	213	31.6
Third	117	17.4
Fourth or higher	87	12.9
Unknown	0	0.0
Reported congenital anomalies [1]	2	0.3

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES / **Trimester of First Prenatal Visit**

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	564	83.7	40	7.1	439	77.8	82	14.5	43	7.6
Black/African-American	6	0.9	1	16.7	2	33.3	1	16.7	3	50.0
American Indian	1	0.1	0	0.0	1	100.0	0	0.0	0	0.0
Hispanic/Latino	37	5.5	3	8.1	21	56.8	12	32.4	4	10.8
Asian	52	7.7	5	9.6	32	61.5	17	32.7	3	5.8
Two or more races	9	1.3	1	11.1	6	66.7	2	22.2	1	11.1
Other/Unknown	5	0.7	1	20.0	3	60.0	2	40.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	6	.	0	0.0	2	33.3	4	66.7	0	0.0
18-19	18	.	1	5.6	12	66.7	2	11.1	4	22.2
20-24	125	30.3	11	8.8	78	62.4	32	25.6	15	12.0
25-29	208	103.4	11	5.3	158	76.0	37	17.8	13	6.2
30-34	215	119.1	14	6.5	172	80.0	26	12.1	17	7.9
35-39	88	46.3	13	14.8	70	79.5	14	15.9	4	4.5
40+	14	.	1	7.1	12	85.7	1	7.1	1	7.1
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	24	8.3								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	6	.
Neonatal	3	.
Fetal	3	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	3	.
Neonatal	3	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	2	.
1,500-2,499 gm	0	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	3	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	536	
Crude death rate (per 100,000)	757.1	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	0	.
20-34	8	.
35-54	22	138.7
55-64	55	575.4
65-74	93	1,403.3
75-84	143	4,447.9
85+	212	14,190.1
Selected Underlying Causes		
Heart disease (total)	134	189.3
Ischemic heart disease	86	121.5
Cancer (total)	105	148.3
Trachea/Bronchus/Lung	25	35.3
Colorectal	8	.
Female breast*	5	.
Cerebrovascular disease	29	41.0
Lower respiratory disease	26	36.7
Pneumonia and influenza	15	.
Accidents	26	36.7
Motor vehicle	2	.
Diabetes	5	.
Infectious/Parasitic diseases	7	.
Suicide	8	.
Alcohol and Drug Abuse as Underlying **or Contributing Cause of Death**		
Alcohol	19	.
Opioids	4	.
Other drugs	3	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	6,697	94.6	3.7	$26,472	$2,504
Age					
<18	935	61.1	3.4	$15,290	$935
18-44	1,445	55.4	3.1	$17,932	$994
45-64	1,446	80.0	3.8	$34,453	$2,755
65+	2,871	253.3	4.1	$30,393	$7,697

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	225	3.2	2.5	$11,481	$36
18-44	92	3.5	2.3	$9,851	$35
45-64	114	6.3	2.6	$11,692	$74
Drug-related					
Total	60	0.8	2.5	$14,964	$13
18-44	30	1.2	2.0	$13,103	$15
MENTAL HEALTH DISORDERS					
Total	388	5.5	4.7	$10,390	$57
<18	85	5.6	4.8	$10,688	$59
18-44	225	8.6	4.0	$8,888	$77
45-64	52	2.9	5.8	$12,577	$36
65+	26	2.3	8.0	$18,044	$41
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	195	2.8	5.6	$49,555	$137
18-44	4	.	0.0	$0	$0
45-64	73	4.0	6.0	$59,840	$242
65+	114	10.1	5.4	$42,433	$427
Neoplasms: Female Breast (rates for female population)					
Total	2	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	17	.	0.0	$0	$0
65+	10	.	0.0	$0	$0
Neoplasms: Lung					
Total	17	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	98	1.4	3.8	$25,356	$35
65+	32	2.8	5.5	$36,739	$104
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	262	3.7	3.8	$56,520	$209
45-64	83	4.6	3.1	$58,606	$269
65+	169	14.9	4.3	$56,775	$846
Cerebrovascular Disease					
Total	146	2.1	5.3	$39,125	$81
45-64	28	1.5	5.5	$65,053	$101
65+	114	10.1	4.7	$29,072	$292
CHRONIC PULMONARY DISEASE					
Asthma					
Total	21	0.3	2.1	$9,058	$3
<18	10	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	9	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	57	0.8	3.6	$18,957	$15
45-64	16	.	0.0	$0	$0
65+	41	3.6	3.5	$17,469	$63
PNEUMONIA and INFLUENZA					
Total	129	1.8	3.6	$17,949	$33
<18	14	.	0.0	$0	$0
45-64	11	.	0.0	$0	$0
65+	98	8.6	3.9	$18,664	$161

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

👥 Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			70,792
County population rank (1-72)			23
Population per square mile			88
County rank in population density (1-72)			23
Population growth 2013-2017			71
County rank in 5-year population growth (1-72)			35

	Female	Male	Total
Total	35,486	35,306	70,792
Age			
0-14	5,756	6,053	11,809
15-17	1,765	1,722	3,487
18-19	1,122	1,090	2,212
20-24	4,131	4,264	8,395
25-44	7,456	8,017	15,473
45-64	9,060	9,020	18,080
65-84	5,184	4,658	9,842
85+	1,012	482	1,494
Race/Ethnicity			
White	32,745	32,444	65,189
African American	397	483	879
American Indian	143	131	274
Hispanic	1,132	1,173	2,305
Asian	1,069	1,075	2,144

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	11.9%	3.2%
Ages 0-17	10.6%	4.8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$42,523

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	39,720
Unemployment rate	3.1%
Five-year avg. unemployment rate (2013-2017)	4.8%
Median household income	$53,883
Rank in median household income (1-72)	41

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	49	140.6	120.3	87.9	161.4
Melanoma	16	22.8	21.2	11.8	35.2
Colorectal	28	39.9	36.8	23.9	54.2
Lung and bronchus	41	58.4	47.2	33.7	64.8
Prostate*	28	79.2	65.9	43.1	97.3
Total	298	424.6	370.0	327.8	416.4

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	42
Babesiosis	<5
Blastomycosis	<5
Campylobacter enteritis	11
Cryptosporidiosis	9
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	12
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	80
Legionnaires'	5
Listeriosis	0
Lyme (all stages)	57
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	7
Salmonellosis	18
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	7
Sexually Transmitted Disease	
Chlamydia trachomatis	253
Gonorrhea (all stages)	20
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	419	5
Alcohol-related	41	4
With citation for OWI	20	1
With citation for speeding	35	0
Motorcyclist	28	1
Bicyclist	20	0
Pedestrian	7	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	127
Crude live birth rate (per 1,000)	9.1
General fertility rate (per 1,000)	72.1

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	2	1.6
Other vaginal	83	65.4
Vaginal vacuum	5	3.9
Forceps	0	0.0
Primary cesarean	26	20.5
Repeat cesarean	11	8.7
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	2	1.6
1-4	7	5.5
5-9	34	26.8
10-12	41	32.3
13+	43	33.9
Unknown	0	0.0
First Prenatal Care Visit		
First trimester	98	77.2
Second trimester	17	13.4
Third trimester	9	7.1
No visits	2	1.6
Unknown	1	0.8

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	74	58.3
Unmarried	53	41.7
Unknown	0	0.0
Education		
Elementary or less	3	2.4
Some high school	9	7.1
High school graduate	54	42.5
Some college	36	28.3
College graduate	25	19.7
Unknown	0	0.0
Smoking		
Smoker	35	27.6
Nonsmoker	92	72.4
Unknown	0	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	3	2.4
1,500-2,499 gm	9	7.1
2,500+ gm	115	90.6
Unknown	0	0.0
Birth Order		
First	43	33.9
Second	42	33.1
Third	25	19.7
Fourth or higher	17	13.4
Unknown	0	0.0
Reported congenital anomalies [1]	0	0.0

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	115	90.6	10	8.7	90	78.3	14	12.2	11	9.6
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	1	0.8	0	0.0	1	100.0	0	0.0	0	0.0
Hispanic/Latino	3	2.4	1	33.3	2	66.7	1	33.3	0	0.0
Asian	4	3.1	0	0.0	1	25.0	2	50.0	1	25.0
Two or more races	4	3.1	1	25.0	4	100.0	0	0.0	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
Age										
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	0	.	0	0.0	0	0.0	0	0.0	0	0.0
18-19	5	.	0	0.0	3	60.0	0	0.0	2	40.0
20-24	34	123.2	3	8.8	28	82.4	4	11.8	2	5.9
25-29	45	189.1	3	6.7	36	80.0	5	11.1	4	8.9
30-34	23	89.1	1	4.3	17	73.9	2	8.7	4	17.4
35-39	16	.	4	25.0	12	75.0	4	25.0	0	0.0
40+	4	.	1	25.0	2	50.0	2	50.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	5	14.5								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	2	.
Neonatal	1	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	1	.
Neonatal	1	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	1	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	1	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	184	
Crude death rate (per 100,000)	1,324.7	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	1	.
15-19	0	.
20-34	3	.
35-54	4	.
55-64	18	.
65-74	34	1,646.5
75-84	52	4,797.0
85+	71	14,822.5
Selected Underlying Causes		
Heart disease (total)	47	338.4
Ischemic heart disease	31	223.2
Cancer (total)	39	280.8
Trachea/Bronchus/Lung	12	.
Colorectal	1	.
Female breast*	3	.
Cerebrovascular disease	7	.
Lower respiratory disease	10	.
Pneumonia and influenza	3	.
Accidents	9	.
Motor vehicle	2	.
Diabetes	8	.
Infectious/Parasitic diseases	1	.
Suicide	2	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	6	.
Opioids	2	.
Other drugs	0	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	1,600	115.2	4.0	$30,032	$3,459
Age					
<18	174	74.6	3.4	$16,007	$1,195
18-44	235	73.2	3.5	$17,463	$1,279
45-64	329	69.7	4.5	$43,373	$3,022
65+	862	237.6	4.1	$31,197	$7,412

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	17	.	0.0	$0	$0
18-44	9	.	0.0	$0	$0
45-64	7	.	0.0	$0	$0
Drug-related					
Total	5	.	0.0	$0	$0
18-44	2	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	70	5.0	6.3	$11,792	$59
<18	16	.	0.0	$0	$0
18-44	34	10.6	5.9	$12,131	$129
45-64	14	.	0.0	$0	$0
65+	6	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	77	5.5	4.7	$45,158	$250
18-44	3	.	0.0	$0	$0
45-64	20	4.2	4.8	$52,776	$224
65+	52	14.3	4.7	$36,704	$526
Neoplasms: Female Breast (rates for female population)					
Total	1	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	4	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Neoplasms: Lung					
Total	11	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	28	2.0	5.6	$30,660	$62
65+	7	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	70	5.0	4.2	$58,326	$294
45-64	20	4.2	4.4	$74,839	$317
65+	50	13.8	4.1	$51,721	$713
Cerebrovascular Disease					
Total	33	2.4	6.3	$41,572	$99
45-64	9	.	0.0	$0	$0
65+	21	5.8	7.2	$42,033	$243
CHRONIC PULMONARY DISEASE					
Asthma					
Total	7	.	0.0	$0	$0
<18	0	.	0.0	$0	$0
18-44	2	.	0.0	$0	$0
45-64	1	.	0.0	$0	$0
65+	4	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	59	4.2	3.1	$13,543	$58
45-64	12	.	0.0	$0	$0
65+	47	13.0	3.1	$13,843	$179
PNEUMONIA and INFLUENZA					
Total	102	7.3	3.5	$16,612	$122
<18	3	.	0.0	$0	$0
45-64	17	.	0.0	$0	$0
65+	79	21.8	3.3	$13,998	$305

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

👥 Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			13,890
County population rank (1-72)			66
Population per square mile			11
County rank in population density (1-72)			68
Population growth 2013-2017			-134
County rank in 5-year population growth (1-72)			64

	Female	Male	Total
Total	6,795	7,095	13,890
Age			
0-14	937	971	1,908
15-17	208	215	423
18-19	136	140	276
20-24	276	289	565
25-44	1,141	1,227	2,368
45-64	2,239	2,483	4,722
65-84	1,550	1,599	3,149
85+	308	171	479
Race/Ethnicity			
White	6,433	6,730	13,164
African American	53	77	130
American Indian	56	57	114
Hispanic	127	99	226
Asian	125	132	257

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	11.3%	4%
Ages 0-17	17.2%	9.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$37,518

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	6,811
Unemployment rate	3.7%
Five-year avg. unemployment rate (2013-2017)	4.96%
Median household income	$47,302
Rank in median household income (1-72)	61

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	22	335.5	214.2	126.1	349.8
Melanoma	^	^	^	^	^
Colorectal	10	74.5	40.3	19.2	84.1
Lung and bronchus	12	89.4	50.9	26.1	98.2
Prostate*	22	320.4	150.7	93.5	247.9
Total	130	968.4	589.3	481.0	718.2

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	6
Babesiosis	<5
Blastomycosis	0
Campylobacter enteritis	<5
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	0
Giardiasis	6
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	20
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	13
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	<5
Streptococcal disease (Group A)	0
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	24
Gonorrhea (all stages)	0
Syphilis (all stages)	<5

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	66	0
Alcohol-related	8	0
With citation for OWI	6	0
With citation for speeding	11	0
Motorcyclist	3	0
Bicyclist	1	0
Pedestrian	2	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	2,287
Crude live birth rate (per 1,000)	11.7
General fertility rate (per 1,000)	64.8

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	53	2.3
Other vaginal	1,456	63.7
Vaginal vacuum	68	3.0
Forceps	4	0.2
Primary cesarean	404	17.7
Repeat cesarean	300	13.1
Cesarean (unk. repeat/primary)	2	0.1
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	18	0.8
1-4	60	2.6
5-9	431	18.8
10-12	827	36.2
13+	916	40.1
Unknown	35	1.5
First Prenatal Care Visit		
First trimester	1,615	70.6
Second trimester	524	22.9
Third trimester	88	3.8
No visits	18	0.8
Unknown	42	1.8

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	1,104	48.3
Unmarried	1,180	51.6
Unknown	3	0.1
Education		
Elementary or less	24	1.0
Some high school	233	10.2
High school graduate	678	29.6
Some college	909	39.7
College graduate	418	18.3
Unknown	25	1.1
Smoking		
Smoker	224	9.8
Nonsmoker	2,060	90.1
Unknown	3	0.1

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	44	1.9
1,500-2,499 gm	173	7.6
2,500+ gm	2,070	90.5
Unknown	0	0.0
Birth Order		
First	823	36.0
Second	710	31.0
Third	416	18.2
Fourth or higher	338	14.8
Unknown	0	0.0
Reported congenital anomalies [1]	16	0.7

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	1,301	56.9	97	7.5	1,029	79.1	201	15.4	71	5.5
Black/African-American	444	19.4	66	14.9	252	56.8	149	33.6	43	9.7
American Indian	3	0.1	0	0.0	2	66.7	1	33.3	0	0.0
Hispanic/Latino	422	18.5	43	10.2	253	60.0	140	33.2	29	6.9
Asian	29	1.3	4	13.8	23	79.3	5	17.2	1	3.4
Two or more races	72	3.1	7	9.7	47	65.3	22	30.6	3	4.2
Other/Unknown	16	0.7	0	0.0	9	56.2	6	37.5	1	6.2
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	1	--	0	0.0	0	0.0	1	100.0	0	0.0
15-17	37	10.2	5	13.5	19	51.4	17	45.9	1	2.7
18-19	119	47.7	10	8.4	61	51.3	43	36.1	15	12.6
20-24	521	96.6	56	10.7	333	63.9	140	26.9	48	9.2
25-29	708	123.8	58	8.2	500	70.6	158	22.3	50	7.1
30-34	588	96.1	49	8.3	483	82.1	84	14.3	21	3.6
35-39	264	42.3	29	11.0	188	71.2	68	25.8	8	3.0
40+	49	8.6	10	20.4	31	63.3	13	26.5	5	10.2
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	157	25.6								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	23	10.1
Neonatal	12	.
Fetal	11	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	19	.
Neonatal	12	.
Postneonatal	7	.
Birthweight		
< 1,500 gm	9	.
1,500-2,499 gm	4	.
2,500+ gm	4	.
Unknown	0	.
Race of Mother		
White	2	.
Black	12	.
Hispanic	3	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	1,878	
Crude death rate (per 100,000)	960.1	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	5	.
5-14	1	.
15-19	6	.
20-34	53	149.5
35-54	143	279.9
55-64	223	786.8
65-74	360	1,981.8
75-84	440	4,920.0
85+	628	15,846.6
Selected Underlying Causes		
Heart disease (total)	418	213.7
Ischemic heart disease	225	115.0
Cancer (total)	402	205.5
Trachea/Bronchus/Lung	111	56.7
Colorectal	39	19.9
Female breast*	29	14.8
Cerebrovascular disease	84	42.9
Lower respiratory disease	91	46.5
Pneumonia and influenza	39	19.9
Accidents	98	50.1
Motor vehicle	19	.
Diabetes	63	32.2
Infectious/Parasitic diseases	56	28.6
Suicide	30	15.3
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	83	42.6
Opioids	44	22.5
Other drugs	8	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	24,288	124.2	4.3	$36,625	$4,548
Age					
<18	3,574	80.4	3.9	$17,017	$1,368
18-44	5,414	84.0	3.6	$23,460	$1,970
45-64	6,338	114.0	4.6	$47,554	$5,419
65+	8,962	288.4	4.8	$44,670	$12,884

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	465	2.4	3.8	$18,268	$43
18-44	182	2.8	3.1	$12,484	$35
45-64	242	4.4	4.4	$21,609	$94
Drug-related					
Total	197	1.0	3.4	$20,491	$21
18-44	105	1.6	2.5	$16,254	$26
MENTAL HEALTH DISORDERS					
Total	1,554	7.9	6.8	$15,488	$123
<18	474	10.7	7.0	$17,048	$182
18-44	720	11.2	6.5	$13,614	$152
45-64	290	5.2	7.1	$15,948	$83
65+	70	2.3	7.8	$22,301	$50
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	698	3.6	5.8	$72,994	$260
18-44	44	0.7	7.6	$106,219	$73
45-64	272	4.9	5.0	$72,664	$355
65+	376	12.1	6.1	$67,880	$821
Neoplasms: Female Breast (rates for female population)					
Total	14	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	52	0.3	5.8	$64,331	$17
65+	30	1.0	7.2	$69,382	$67
Neoplasms: Lung					
Total	71	0.4	5.4	$63,289	$23

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	449	2.3	4.3	$32,798	$75
65+	123	4.0	5.1	$38,912	$154
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	635	3.2	4.2	$69,433	$225
45-64	266	4.8	3.9	$69,684	$333
65+	332	10.7	4.6	$70,333	$752
Cerebrovascular Disease					
Total	584	3.0	5.6	$53,384	$159
45-64	169	3.0	5.0	$51,187	$156
65+	390	12.6	5.8	$53,213	$668
CHRONIC PULMONARY DISEASE					
Asthma					
Total	126	0.6	2.3	$14,626	$9
<18	31	0.7	1.6	$10,586	$7
18-44	38	0.6	2.2	$14,392	$8
45-64	41	0.7	2.5	$15,261	$11
65+	16	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	511	2.6	3.9	$22,182	$58
45-64	181	3.3	3.9	$21,443	$70
65+	318	10.2	3.9	$22,508	$230
PNEUMONIA and INFLUENZA					
Total	546	2.8	4.2	$24,543	$69
<18	35	0.8	3.2	$18,807	$15
45-64	131	2.4	4.1	$25,369	$60
65+	320	10.3	4.6	$25,153	$259

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		195,610
County population rank (1-72)		5
Population per square mile		588
County rank in population density (1-72)		4
Population growth 2013-2017		386
County rank in 5-year population growth (1-72)		22

	Female	Male	Total
Total	98,701	96,909	195,610
Age			
0-14	18,069	18,879	36,948
15-17	3,641	3,869	7,510
18-19	2,494	2,708	5,202
20-24	5,391	5,788	11,179
25-44	23,744	24,337	48,081
45-64	28,260	27,359	55,619
65-84	14,557	12,551	27,108
85+	2,545	1,418	3,963
Race/Ethnicity			
White	72,185	70,461	142,646
African American	11,775	11,836	23,611
American Indian	413	393	806
Hispanic	12,735	13,003	25,738
Asian	1,593	1,216	2,809

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	10.9%	3.2%
Ages 0-17	17.9%	6.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$46,855

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	99,913
Unemployment rate	4%
Five-year avg. unemployment rate (2013-2017)	5.88%
Median household income	$61,118
Rank in median household income (1-72)	16

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	**Lower CI Age-Adjusted rate**	**Upper CI Age-Adjusted rate**
Female breast*	189	191.7	149.7	128.3	173.9
Melanoma	65	33.3	27.8	21.2	35.8
Colorectal	92	47.2	38.1	30.5	47.1
Lung and bronchus	180	92.3	74.5	63.8	86.6
Prostate*	169	175.3	135.8	115.5	158.9
Total	1,265	648.7	522.5	493.2	553.2

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	0
Babesiosis	<5
Blastomycosis	12
Campylobacter enteritis	26
Cryptosporidiosis	5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	6
Giardiasis	6
Haemophilus influenzae, invasive	7
Influenza-associated hospitalization	74
Legionnaires'	11
Listeriosis	0
Lyme (all stages)	17
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	9
Mumps	0
Pertussis	14
Salmonellosis	23
Streptococcal disease (Group A)	6
Streptococcal disease (Group B)	21
Sexually Transmitted Disease	
Chlamydia trachomatis	1,222
Gonorrhea (all stages)	375
Syphilis (all stages)	41

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	1,797	10
Alcohol-related	111	2
With citation for OWI	42	0
With citation for speeding	118	0
Motorcyclist	73	1
Bicyclist	32	1
Pedestrian	55	1

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	178
Crude live birth rate (per 1,000)	10.0
General fertility rate (per 1,000)	64.9

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	2	1.1
Other vaginal	128	71.9
Vaginal vacuum	4	2.2
Forceps	0	0.0
Primary cesarean	23	12.9
Repeat cesarean	21	11.8
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	0	0.0
1-4	19	10.7
5-9	27	15.2
10-12	50	28.1
13+	73	41.0
Unknown	9	5.1
First Prenatal Care Visit		
First trimester	127	71.3
Second trimester	27	15.2
Third trimester	16	9.0
No visits	0	0.0
Unknown	8	4.5

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	118	66.3
Unmarried	60	33.7
Unknown	0	0.0
Education		
Elementary or less	16	9.0
Some high school	12	6.7
High school graduate	53	29.8
Some college	67	37.6
College graduate	29	16.3
Unknown	1	0.6
Smoking		
Smoker	28	15.7
Nonsmoker	150	84.3
Unknown	0	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	1	0.6
1,500-2,499 gm	10	5.6
2,500+ gm	167	93.8
Unknown	0	0.0
Birth Order		
First	51	28.7
Second	52	29.2
Third	34	19.1
Fourth or higher	40	22.5
Unknown	1	0.6
Reported congenital anomalies [1]	2	1.1

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	161	90.4	9	5.6	115	71.4	25	15.5	21	13.0
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	7	3.9	2	28.6	4	57.1	0	0.0	3	42.9
Asian	4	2.2	0	0.0	3	75.0	1	25.0	0	0.0
Two or more races	6	3.4	0	0.0	5	83.3	1	16.7	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	1	.	1	100.0	0	0.0	0	0.0	1	100.0
18-19	8	.	0	0.0	7	87.5	1	12.5	0	0.0
20-24	39	88.2	4	10.3	31	79.5	4	10.3	4	10.3
25-29	57	136.7	4	7.0	45	78.9	7	12.3	5	8.8
30-34	47	106.8	1	2.1	30	63.8	10	21.3	7	14.9
35-39	21	46.3	1	4.8	12	57.1	3	14.3	6	28.6
40+	5	.	0	0.0	2	40.0	2	40.0	1	20.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	9	16.1								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	1	.
Neonatal	0	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	1	.
Neonatal	0	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	1	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	199	
Crude death rate (per 100,000)	1,116.0	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	0	.
20-34	3	.
35-54	14	.
55-64	17	.
65-74	29	1,362.8
75-84	49	4,553.9
85+	86	16,538.5
Selected Underlying Causes		
Heart disease (total)	48	269.2
Ischemic heart disease	29	162.6
Cancer (total)	46	258.0
Trachea/Bronchus/Lung	6	.
Colorectal	5	.
Female breast*	3	.
Cerebrovascular disease	9	.
Lower respiratory disease	11	.
Pneumonia and influenza	8	.
Accidents	13	.
Motor vehicle	6	.
Diabetes	2	.
Infectious/Parasitic diseases	4	.
Suicide	3	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	7	.
Opioids	3	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	1,900	106.6	4.3	$32,416	$3,454
Age					
<18	258	63.8	3.8	$25,204	$1,607
18-44	348	69.8	3.2	$21,009	$1,466
45-64	413	81.4	4.3	$39,433	$3,210
65+	881	236.6	4.8	$35,745	$8,456

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	15	.	0.0	$0	$0
18-44	4	.	0.0	$0	$0
45-64	9	.	0.0	$0	$0
Drug-related					
Total	11	.	0.0	$0	$0
18-44	7	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	107	6.0	9.0	$20,271	$122
<18	18	.	0.0	$0	$0
18-44	55	11.0	7.6	$16,839	$186
45-64	20	3.9	13.9	$26,228	$103
65+	14	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	56	3.1	6.4	$85,730	$269
18-44	3	.	0.0	$0	$0
45-64	19	.	0.0	$0	$0
65+	30	8.1	4.7	$57,220	$461
Neoplasms: Female Breast (rates for female population)					
Total	0	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	7	.	0.0	$0	$0
65+	6	.	0.0	$0	$0
Neoplasms: Lung					
Total	5	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	29	1.6	3.8	$23,605	$38
65+	14	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	63	3.5	4.0	$75,776	$268
45-64	18	.	0.0	$0	$0
65+	39	10.5	4.4	$73,182	$766
Cerebrovascular Disease					
Total	61	3.4	7.7	$52,225	$179
45-64	13	.	0.0	$0	$0
65+	48	12.9	7.3	$47,667	$614
CHRONIC PULMONARY DISEASE					
Asthma					
Total	3	.	0.0	$0	$0
<18	2	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	1	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	44	2.5	2.9	$16,036	$40
45-64	18	.	0.0	$0	$0
65+	26	7.0	3.3	$16,530	$115
PNEUMONIA and INFLUENZA					
Total	54	3.0	3.2	$15,678	$47
<18	7	.	0.0	$0	$0
45-64	12	.	0.0	$0	$0
65+	34	9.1	3.6	$16,624	$152

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			17,831
County population rank (1-72)			56
Population per square mile			30
County rank in population density (1-72)			52
Population growth 2013-2017			-80
County rank in 5-year population growth (1-72)			62

	Female	Male	Total
Total	8,881	8,950	17,831
Age			
0-14	1,624	1,745	3,369
15-17	315	362	677
18-19	244	200	444
20-24	442	450	892
25-44	1,740	1,912	3,652
45-64	2,519	2,554	5,073
65-84	1,656	1,548	3,204
85+	341	179	520
Race/Ethnicity			
White	8,479	8,536	17,015
African American	93	114	207
American Indian	39	31	71
Hispanic	197	209	407
Asian	72	59	132

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	13.1%	5%
Ages 0-17	20.5%	9.6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$35,446

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	9,310
Unemployment rate	3%
Five-year avg. unemployment rate (2013-2017)	4.42%
Median household income	$49,092
Rank in median household income (1-72)	54

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	21	240.9	142.7	83.2	235.0
Melanoma	6	34.2	27.5	8.8	65.7
Colorectal	7	40.0	22.1	8.7	52.3
Lung and bronchus	10	57.1	32.7	15.3	66.4
Prostate*	20	227.2	124.9	75.1	204.3
Total	118	673.5	424.5	346.2	517.6

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	<5
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	0
Giardiasis	0
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	21
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	19
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	<5
Streptococcal disease (Group A)	0
Streptococcal disease (Group B)	0
Sexually Transmitted Disease	
Chlamydia trachomatis	40
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Motor Vehicle Crashes (2017 data)

Richland County

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	84	1
Alcohol-related	5	0
With citation for OWI	0	0
With citation for speeding	8	0
Motorcyclist	9	1
Bicyclist	2	0
Pedestrian	0	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	1,912
Crude live birth rate (per 1,000)	11.9
General fertility rate (per 1,000)	62.5

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	39	2.0
Other vaginal	1,198	62.7
Vaginal vacuum	75	3.9
Forceps	11	0.6
Primary cesarean	323	16.9
Repeat cesarean	256	13.4
Cesarean (unk. repeat/primary)	8	0.4
Other/Unknown	2	0.1
Prenatal Care Visits		
No visits	10	0.5
1-4	66	3.5
5-9	258	13.5
10-12	736	38.5
13+	821	42.9
Unknown	21	1.1
First Prenatal Care Visit		
First trimester	1,486	77.7
Second trimester	289	15.1
Third trimester	103	5.4
No visits	10	0.5
Unknown	24	1.3

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	965	50.5
Unmarried	940	49.2
Unknown	7	0.4
Education		
Elementary or less	41	2.1
Some high school	176	9.2
High school graduate	606	31.7
Some college	593	31.0
College graduate	488	25.5
Unknown	8	0.4
Smoking		
Smoker	276	14.4
Nonsmoker	1,626	85.0
Unknown	10	0.4

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	12	0.6
1,500-2,499 gm	131	6.9
2,500+ gm	1,768	92.5
Unknown	1	0.1
Birth Order		
First	682	35.7
Second	665	34.8
Third	328	17.2
Fourth or higher	231	12.1
Unknown	6	0.3
Reported congenital anomalies [1]	10	0.6

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	1,445	75.6	93	6.4	1,186	82.1	180	12.5	79	5.5
Black/African-American	154	8.1	24	15.6	95	61.7	40	26.0	19	12.3
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	245	12.8	15	6.1	161	65.7	56	22.9	28	11.4
Asian	20	1.0	5	25.0	15	75.0	3	15.0	2	10.0
Two or more races	42	2.2	6	14.3	25	59.5	9	21.4	8	19.0
Other/Unknown	6	0.3	0	0.0	4	66.7	1	16.7	1	16.7
Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	1	--	0	0.0	1	100.0	0	0.0	0	0.0
15-17	27	8.4	3	11.1	12	44.4	9	33.3	6	22.2
18-19	94	44.3	8	8.5	59	62.8	22	23.4	13	13.8
20-24	444	91.3	36	8.1	322	72.5	84	18.9	38	8.6
25-29	605	117.3	43	7.1	484	80.0	81	13.4	40	6.6
30-34	472	89.5	34	7.2	384	81.4	62	13.1	26	5.5
35-39	229	44.2	16	7.0	190	83.0	26	11.4	13	5.7
40+	40	8.4	3	7.5	34	85.0	5	12.5	1	2.5
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	122	22.9								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	17	.
Neonatal	7	.
Fetal	10	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	8	.
Neonatal	7	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	5	.
1,500-2,499 gm	2	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	4	.
Black	2	.
Hispanic	2	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	1,547	
Crude death rate (per 100,000)	961.6	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	5	.
15-19	2	.
20-34	43	140.7
35-54	137	331.9
55-64	173	804.4
65-74	284	1,928.4
75-84	394	5,061.7
85+	501	14,995.5
Selected Underlying Causes		
Heart disease (total)	333	207.0
Ischemic heart disease	190	118.1
Cancer (total)	343	213.2
Trachea/Bronchus/Lung	101	62.8
Colorectal	27	16.8
Female breast*	15	.
Cerebrovascular disease	61	37.9
Lower respiratory disease	90	55.9
Pneumonia and influenza	28	17.4
Accidents	127	78.9
Motor vehicle	16	.
Diabetes	35	21.8
Infectious/Parasitic diseases	21	13.1
Suicide	34	21.1
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	78	48.7
Opioids	37	23.0
Other drugs	11	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	19,026	118.3	4.0	$39,161	$4,631
Age					
<18	2,978	79.7	3.5	$17,330	$1,382
18-44	4,563	83.2	3.3	$27,382	$2,279
45-64	4,687	109.4	4.3	$50,344	$5,506
65+	6,798	263.0	4.5	$48,920	$12,864

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	483	3.0	3.1	$17,938	$54
18-44	204	3.7	2.9	$15,036	$56
45-64	256	6.0	3.3	$19,985	$119
Drug-related					
Total	176	1.1	3.1	$28,274	$31
18-44	86	1.6	3.1	$27,638	$43
MENTAL HEALTH DISORDERS					
Total	1,596	9.9	5.9	$15,579	$155
<18	431	11.5	7.1	$21,440	$247
18-44	783	14.3	5.0	$11,851	$169
45-64	314	7.3	5.5	$14,560	$107
65+	68	2.6	10.3	$26,067	$69
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	535	3.3	5.9	$78,475	$261
18-44	37	0.7	5.7	$91,596	$62
45-64	192	4.5	5.5	$81,370	$365
65+	286	11.1	6.0	$70,857	$784
Neoplasms: Female Breast (rates for female population)					
Total	12	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	37	0.2	5.9	$75,246	$17
65+	29	1.1	5.9	$75,035	$84
Neoplasms: Lung					
Total	77	0.5	5.9	$69,265	$33

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	368	2.3	4.1	$39,245	$90
65+	99	3.8	5.1	$50,949	$195
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	606	3.8	3.9	$88,018	$332
45-64	232	5.4	3.6	$91,796	$497
65+	349	13.5	4.3	$87,786	$1,185
Cerebrovascular Disease					
Total	429	2.7	5.3	$54,105	$144
45-64	121	2.8	5.0	$53,549	$151
65+	288	11.1	5.1	$48,801	$544
CHRONIC PULMONARY DISEASE					
Asthma					
Total	63	0.4	2.4	$19,129	$7
<18	32	0.9	1.9	$16,470	$14
18-44	13	.	0.0	$0	$0
45-64	11	.	0.0	$0	$0
65+	7	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	405	2.5	3.7	$27,773	$70
45-64	145	3.4	3.5	$27,696	$94
65+	249	9.6	3.8	$27,938	$269
PNEUMONIA and INFLUENZA					
Total	538	3.3	4.0	$30,397	$102
<18	34	0.9	2.8	$22,014	$20
45-64	123	2.9	4.4	$31,935	$92
65+	324	12.5	4.1	$30,820	$386

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			160,884
County population rank (1-72)			9
Population per square mile			224
County rank in population density (1-72)			13
Population growth 2013-2017			553
County rank in 5-year population growth (1-72)			17

	Female	**Male**	**Total**
Total	81,654	79,230	160,884
Age			
0-14	14,988	15,824	30,812
15-17	3,216	3,323	6,539
18-19	2,120	2,218	4,338
20-24	4,862	4,928	9,790
25-44	20,406	20,290	40,696
45-64	21,767	21,090	42,857
65-84	12,121	10,390	22,511
85+	2,174	1,167	3,341
Race/Ethnicity			
White	68,654	65,911	134,565
African American	4,550	4,647	9,197
American Indian	222	260	482
Hispanic	6,899	7,423	14,322
Asian	1,329	989	2,318

POVERTY ESTIMATES

	Estimate (%)	**(CI +/-)**
All ages	12.1%	3.4%
Ages 0-17	17.5%	6.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$44,030

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	85,483
Unemployment rate	3.7%
Five-year avg. unemployment rate (2013-2017)	5.42%
Median household income	$55,905
Rank in median household income (1-72)	32

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	137	167.2	130.1	108.5	154.9
Melanoma	48	29.7	25.3	18.5	33.9
Colorectal	76	47.1	38.2	29.9	48.2
Lung and bronchus	147	91.1	72.0	60.6	85.0
Prostate*	114	143.4	114.6	94.1	138.6
Total	1,011	626.3	511.4	479.6	544.9

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

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Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

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NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	0
Babesiosis	<5
Blastomycosis	<5
Campylobacter enteritis	37
Cryptosporidiosis	18
E.coli, shiga toxin-producing (STEC)	8
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	12
Haemophilus influenzae, invasive	6
Influenza-associated hospitalization	164
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	10
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	<5
Pertussis	10
Salmonellosis	33
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	15
Sexually Transmitted Disease	
Chlamydia trachomatis	895
Gonorrhea (all stages)	308
Syphilis (all stages)	8

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	1,265	12
Alcohol-related	137	5
With citation for OWI	61	1
With citation for speeding	84	0
Motorcyclist	73	1
Bicyclist	20	0
Pedestrian	29	1

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	134
Crude live birth rate (per 1,000)	9.2
General fertility rate (per 1,000)	65.8

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	8	6.0
Other vaginal	78	58.2
Vaginal vacuum	8	6.0
Forceps	0	0.0
Primary cesarean	22	16.4
Repeat cesarean	17	12.7
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	1	0.7
Prenatal Care Visits		
No visits	1	0.7
1-4	9	6.7
5-9	46	34.3
10-12	60	44.8
13+	15	11.2
Unknown	3	2.2
First Prenatal Care Visit		
First trimester	98	73.1
Second trimester	26	19.4
Third trimester	5	3.7
No visits	1	0.7
Unknown	4	3.0

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	88	65.7
Unmarried	46	34.3
Unknown	0	0.0
Education		
Elementary or less	12	9.0
Some high school	17	12.7
High school graduate	39	29.1
Some college	48	35.8
College graduate	18	13.4
Unknown	0	0.0
Smoking		
Smoker	26	19.4
Nonsmoker	107	79.9
Unknown	1	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	1	0.7
1,500-2,499 gm	6	4.5
2,500+ gm	127	94.8
Unknown	0	0.0
Birth Order		
First	41	30.6
Second	33	24.6
Third	31	23.1
Fourth or higher	28	20.9
Unknown	1	0.7
Reported congenital anomalies [1]	2	1.5

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
White	125	93.3	7	5.6	92	73.6	23	18.4	10	8.0
Black/African-American	2	1.5	0	0.0	2	100.0	0	0.0	0	0.0
American Indian	1	0.7	0	0.0	0	0.0	1	100.0	0	0.0
Hispanic/Latino	4	3.0	0	0.0	3	75.0	1	25.0	0	0.0
Asian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Two or more races	1	0.7	0	0.0	1	100.0	0	0.0	0	0.0
Other/Unknown	1	0.7	0	0.0	0	0.0	1	100.0	0	0.0
		Fertility								
Age	**Births**	**(per 1,000)**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	1	.	0	0.0	0	0.0	1	100.0	0	0.0
18-19	10	.	0	0.0	6	60.0	1	10.0	3	30.0
20-24	33	98.5	3	9.1	24	72.7	8	24.2	1	3.0
25-29	41	140.9	2	4.9	29	70.7	10	24.4	2	4.9
30-34	38	127.5	2	5.3	31	81.6	4	10.5	3	7.9
35-39	11	.	0	0.0	8	72.7	2	18.2	1	9.1
40+	0	.	0	0.0	0	0.0	0	0.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	11	25.7								

Trimester of First Prenatal Visit

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	1	.
Neonatal	0	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	0	.
Neonatal	0	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	0	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	159	
Crude death rate (per 100,000)	1,089.9	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	1	.
15-19	0	.
20-34	1	.
35-54	9	.
55-64	24	924.5
65-74	35	1,733.5
75-84	38	3,605.3
85+	51	11,308.2
Selected Underlying Causes		
Heart disease (total)	26	178.2
Ischemic heart disease	15	.
Cancer (total)	41	281.1
Trachea/Bronchus/Lung	11	.
Colorectal	0	.
Female breast*	2	.
Cerebrovascular disease	12	.
Lower respiratory disease	15	.
Pneumonia and influenza	1	.
Accidents	10	.
Motor vehicle	4	.
Diabetes	9	.
Infectious/Parasitic diseases	0	.
Suicide	2	.
Alcohol and Drug Abuse as Underlying		
or Contributing Cause of Death		
Alcohol	7	.
Opioids	1	.
Other drugs	2	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	1,585	108.7	3.9	$30,894	$3,357
Age					
<18	195	67.8	4.3	$29,494	$2,000
18-44	281	77.6	3.4	$20,656	$1,603
45-64	356	78.0	4.1	$39,559	$3,084
65+	753	213.7	3.9	$30,980	$6,620

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	29	2.0	3.6	$10,683	$21
18-44	13	.	0.0	$0	$0
45-64	16	.	0.0	$0	$0
Drug-related					
Total	8	.	0.0	$0	$0
18-44	4	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	77	5.3	6.8	$12,470	$66
<18	14	.	0.0	$0	$0
18-44	45	12.4	5.4	$10,305	$128
45-64	14	.	0.0	$0	$0
65+	4	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	46	3.2	6.6	$60,959	$192
18-44	4	.	0.0	$0	$0
45-64	19	.	0.0	$0	$0
65+	21	6.0	5.6	$46,053	$274
Neoplasms: Female Breast (rates for female population)					
Total	1	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	1	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Neoplasms: Lung					
Total	6	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	20	1.4	4.0	$34,757	$48
65+	11	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	55	3.8	3.9	$67,902	$256
45-64	16	.	0.0	$0	$0
65+	37	10.5	4.6	$76,371	$802
Cerebrovascular Disease					
Total	29	2.0	3.0	$22,926	$46
45-64	2	.	0.0	$0	$0
65+	26	7.4	3.2	$22,494	$166
CHRONIC PULMONARY DISEASE					
Asthma					
Total	6	.	0.0	$0	$0
<18	2	.	0.0	$0	$0
18-44	3	.	0.0	$0	$0
45-64	1	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	65	4.5	3.4	$14,861	$66
45-64	17	.	0.0	$0	$0
65+	47	13.3	3.4	$13,548	$181
PNEUMONIA and INFLUENZA					
Total	54	3.7	3.4	$14,537	$54
<18	3	.	0.0	$0	$0
45-64	8	.	0.0	$0	$0
65+	41	11.6	3.4	$13,197	$154

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		14,588
County population rank (1-72)		65
Population per square mile		16
County rank in population density (1-72)		64
Population growth 2013-2017		-69
County rank in 5-year population growth (1-72)		60

	Female	Male	Total
Total	7,273	7,315	14,588
Age			
0-14	1,174	1,189	2,363
15-17	256	257	513
18-19	172	185	357
20-24	335	356	691
25-44	1,272	1,301	2,573
45-64	2,224	2,343	4,567
65-84	1,538	1,535	3,073
85+	302	149	451
Race/Ethnicity			
White	6,966	6,947	13,913
African American	88	131	219
American Indian	45	52	98
Hispanic	138	142	281
Asian	35	43	78

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	14.7%	5.2%
Ages 0-17	21.9%	11.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$36,428

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	7,007
Unemployment rate	4.4%
Five-year avg. unemployment rate (2013-2017)	6%
Median household income	$44,780
Rank in median household income (1-72)	66

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	14	201.8	151.1	76.8	272.2
Melanoma	6	42.6	22.0	7.9	57.9
Colorectal	10	71.0	44.3	21.0	88.4
Lung and bronchus	8	56.8	31.5	13.4	70.8
Prostate*	14	195.7	107.4	56.1	198.5
Total	103	730.9	468.9	375.6	581.2

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	<5
Cryptosporidiosis	6
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	0
Giardiasis	<5
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	13
Legionnaires'	0
Listeriosis	<5
Lyme (all stages)	6
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	0
Streptococcal disease (Group A)	0
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	29
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	61	1
Alcohol-related	6	0
With citation for OWI	6	0
With citation for speeding	9	0
Motorcyclist	3	0
Bicyclist	1	0
Pedestrian	1	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	767
Crude live birth rate (per 1,000)	12.2
General fertility rate (per 1,000)	70.5

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	18	2.3
Other vaginal	493	64.3
Vaginal vacuum	28	3.7
Forceps	12	1.6
Primary cesarean	120	15.6
Repeat cesarean	95	12.4
Cesarean (unk. repeat/primary)	1	0.1
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	6	0.8
1-4	31	4.0
5-9	119	15.5
10-12	343	44.7
13+	244	31.8
Unknown	24	3.1
First Prenatal Care Visit		
First trimester	574	74.8
Second trimester	128	16.7
Third trimester	35	4.6
No visits	6	0.8
Unknown	24	3.1

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	506	66.0
Unmarried	260	33.9
Unknown	1	0.1
Education		
Elementary or less	43	5.6
Some high school	45	5.9
High school graduate	224	29.2
Some college	233	30.4
College graduate	221	28.8
Unknown	1	0.1
Smoking		
Smoker	109	14.2
Nonsmoker	656	85.5
Unknown	2	0.1

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	9	1.2
1,500-2,499 gm	49	6.4
2,500+ gm	709	92.4
Unknown	0	0.0
Birth Order		
First	264	34.4
Second	242	31.6
Third	149	19.4
Fourth or higher	110	14.3
Unknown	2	0.3
Reported congenital anomalies [1]	3	0.4

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
White	677	88.3	48	7.1	520	76.8	110	16.2	47	6.9
Black/African-American	6	0.8	0	0.0	5	83.3	1	16.7	0	0.0
American Indian	16	2.1	3	18.8	2	12.5	5	31.2	9	56.2
Hispanic/Latino	45	5.9	5	11.1	30	66.7	8	17.8	7	15.6
Asian	8	1.0	2	25.0	7	87.5	1	12.5	0	0.0
Two or more races	12	1.6	0	0.0	7	58.3	3	25.0	2	16.7
Other/Unknown	3	0.4	0	0.0	3	100.0	0	0.0	0	0.0
		Fertility								
Age	**Births**	**(per 1,000)**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	1	.	0	0.0	1	100.0	0	0.0	0	0.0
18-19	14	.	2	0.0	10	71.4	3	21.4	1	7.1
20-24	142	88.8	5	11.1	101	71.1	29	20.4	12	8.5
25-29	248	141.1	19	6.2	196	79.0	38	15.3	14	5.6
30-34	244	125.1	17	0.0	182	74.6	41	16.8	21	8.6
35-39	99	50.7	10	0.0	72	72.7	14	14.1	13	13.1
40+	19	.	5	0.0	12	63.2	3	15.8	4	21.1
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	15	8.1								

Trimester of First Prenatal Visit

DEFINITIONS
Birthweight: Infant weight at time of delivery (reported here in grams).
Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.
Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.
Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.
Teen birth: Births in which the mother was less than 20 years old.

MEASURES
Crude live birth rate: Number of live births per 1,000 population.
General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).
Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.
Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES
[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	5	.
Neonatal	0	.
Fetal	5	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	5	.
Neonatal	0	.
Postneonatal	5	.
Birthweight		
< 1,500 gm	1	.
1,500-2,499 gm	0	.
2,500+ gm	4	.
Unknown	0	.
Race of Mother		
White	3	.
Black	1	.
Hispanic	0	.
Asian	0	.
Other/Unknown	1	.

TOTAL DEATHS

Total deaths	663
Crude death rate (per 100,000)	1,056.3

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	2	.
15-19	1	.
20-34	8	.
35-54	46	286.3
55-64	78	859.4
65-74	106	1,643.2
75-84	160	5,136.4
85+	257	16,786.4
Selected Underlying Causes		
Heart disease (total)	156	248.5
Ischemic heart disease	108	172.1
Cancer (total)	161	256.5
Trachea/Bronchus/Lung	40	63.7
Colorectal	12	.
Female breast*	8	.
Cerebrovascular disease	45	71.7
Lower respiratory disease	30	47.8
Pneumonia and influenza	13	.
Accidents	39	62.1
Motor vehicle	3	.
Diabetes	21	33.5
Infectious/Parasitic diseases	6	.
Suicide	6	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	26	41.3
Opioids	8	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	6,572	104.7	3.9	$34,734	$3,637
Age					
<18	1,020	73.6	3.5	$18,778	$1,382
18-44	1,426	69.9	3.5	$25,683	$1,794
45-64	1,529	87.9	4.2	$45,704	$4,017
65+	2,597	234.0	4.2	$39,512	$9,247

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	89	1.4	4.2	$23,983	$34
18-44	29	1.4	3.6	$18,209	$26
45-64	55	3.2	4.5	$25,121	$79
Drug-related					
Total	43	0.7	2.7	$26,520	$18
18-44	20	1.0	2.4	$26,136	$26
MENTAL HEALTH DISORDERS					
Total	320	5.1	6.8	$15,820	$81
<18	84	6.1	7.5	$18,794	$114
18-44	154	7.5	5.9	$12,794	$97
45-64	65	3.7	7.3	$17,649	$66
65+	17	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	226	3.6	5.6	$64,192	$231
18-44	11	.	0.0	$0	$0
45-64	76	4.4	5.5	$76,428	$334
65+	133	12.0	5.3	$53,078	$636
Neoplasms: Female Breast (rates for female population)					
Total	3	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	27	0.4	5.9	$54,244	$23
65+	20	1.8	7.0	$61,300	$110
Neoplasms: Lung					
Total	27	0.4	3.8	$42,067	$18

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	113	1.8	3.8	$28,386	$51
65+	29	2.6	6.2	$36,190	$95
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	211	3.4	3.6	$70,851	$238
45-64	85	4.9	3.5	$76,376	$373
65+	120	10.8	3.7	$64,546	$698
Cerebrovascular Disease					
Total	191	3.0	6.0	$58,091	$177
45-64	58	3.3	6.4	$80,007	$267
65+	125	11.3	5.5	$44,452	$501
CHRONIC PULMONARY DISEASE					
Asthma					
Total	19	.	0.0	$0	$0
<18	4	.	0.0	$0	$0
18-44	11	.	0.0	$0	$0
45-64	3	.	0.0	$0	$0
65+	1	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	155	2.5	3.3	$21,487	$53
45-64	50	2.9	3.2	$20,085	$58
65+	100	9.0	3.3	$21,984	$198
PNEUMONIA and INFLUENZA					
Total	170	2.7	3.6	$22,708	$62
<18	14	.	0.0	$0	$0
45-64	29	1.7	3.3	$21,918	$37
65+	119	10.7	3.7	$22,162	$238

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		62,765
County population rank (1-72)		25
Population per square mile		76
County rank in population density (1-72)		25
Population growth 2013-2017		331
County rank in 5-year population growth (1-72)		24

	Female	Male	Total
Total	31,362	31,403	62,765
Age			
0-14	5,623	5,927	11,550
15-17	1,091	1,215	2,306
18-19	753	787	1,540
20-24	1,599	1,754	3,353
25-44	7,440	8,081	15,521
45-64	8,752	8,646	17,398
65-84	5,067	4,499	9,566
85+	1,037	494	1,531
Race/Ethnicity			
White	28,877	28,651	57,528
African American	331	465	797
American Indian	402	391	793
Hispanic	1,479	1,678	3,157
Asian	273	217	491

POVERTY ESTIMATES	Estimate (%)	(CI +/-)
All ages	9.9%	3.8%
Ages 0-17	14.1%	6.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$38,291

LABOR FORCE ESTIMATES	Annual Average
Civilian labor force	35,627
Unemployment rate	2.9%
Five-year avg. unemployment rate (2013-2017)	4.38%
Median household income	$58,372
Rank in median household income (1-72)	24

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	46	144.4	107.8	77.5	146.7
Melanoma	13	20.4	17.7	9.2	30.9
Colorectal	35	55.0	44.5	30.7	62.7
Lung and bronchus	53	83.3	63.9	47.5	84.5
Prostate*	33	103.9	73.7	50.0	105.8
Total	371	583.3	451.9	405.5	502.4

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	<5
Blastomycosis	<5
Campylobacter enteritis	10
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	8
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	68
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	40
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	<5
Pertussis	<5
Salmonellosis	13
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	239
Gonorrhea (all stages)	25
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	549	11
Alcohol-related	45	2
With citation for OWI	28	0
With citation for speeding	49	0
Motorcyclist	38	5
Bicyclist	21	0
Pedestrian	8	2

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	167
Crude live birth rate (per 1,000)	10.0
General fertility rate (per 1,000)	74.5

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	2	1.2
Other vaginal	104	62.3
Vaginal vacuum	6	3.6
Forceps	0	0.0
Primary cesarean	26	15.6
Repeat cesarean	28	16.8
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	1	0.6
Prenatal Care Visits		
No visits	4	2.4
1-4	16	9.6
5-9	45	26.9
10-12	69	41.3
13+	29	17.4
Unknown	4	2.4
First Prenatal Care Visit		
First trimester	100	59.9
Second trimester	50	29.9
Third trimester	9	5.4
No visits	4	2.4
Unknown	4	2.4

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	81	48.5
Unmarried	86	51.5
Unknown	0	0.0
Education		
Elementary or less	4	2.4
Some high school	22	13.2
High school graduate	46	27.5
Some college	59	35.3
College graduate	35	21.0
Unknown	1	0.6
Smoking		
Smoker	45	26.9
Nonsmoker	116	69.5
Unknown	6	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	1	0.6
1,500-2,499 gm	7	4.2
2,500+ gm	159	95.2
Unknown	0	0.0
Birth Order		
First	50	29.9
Second	58	34.7
Third	34	20.4
Fourth or higher	25	15.0
Unknown	0	0.0
Reported congenital anomalies [1]	1	0.6

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	108	64.7	2	1.9	76	70.4	29	26.9	3	2.8
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	44	26.3	3	6.8	20	45.5	14	31.8	10	22.7
Hispanic/Latino	8	4.8	3	37.5	1	12.5	4	50.0	3	37.5
Asian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Two or more races	6	3.6	0	0.0	3	50.0	3	50.0	0	0.0
Other/Unknown	1	0.6	0	0.0	0	0.0	0	0.0	1	100.0

		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	0	.	0	16.7	0	0.0	0	0.0	0	0.0
18-19	8	.	0	12.5	4	50.0	3	37.5	1	12.5
20-24	36	103.7	4	5.6	19	52.8	11	30.6	6	16.7
25-29	65	192.3	4	4.3	43	66.2	16	24.6	6	9.2
30-34	35	94.6	0	10.3	21	60.0	11	31.4	3	8.6
35-39	19	.	0	3.8	11	57.9	7	36.8	1	5.3
40+	4	.	0	33.3	2	50.0	2	50.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	8	18.8								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	2	.
Neonatal	1	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	1	.
Neonatal	1	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	1	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	0	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	1	.

TOTAL DEATHS

Total deaths	204	
Crude death rate (per 100,000)	1,224.2	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	1	.
15-19	0	.
20-34	6	.
35-54	18	.
55-64	31	990.1
65-74	43	1,683.0
75-84	47	3,943.0
85+	56	13,429.3
Selected Underlying Causes		
Heart disease (total)	50	300.0
Ischemic heart disease	40	240.0
Cancer (total)	49	294.0
Trachea/Bronchus/Lung	13	.
Colorectal	8	.
Female breast*	2	.
Cerebrovascular disease	6	.
Lower respiratory disease	10	.
Pneumonia and influenza	3	.
Accidents	12	.
Motor vehicle	2	.
Diabetes	4	.
Infectious/Parasitic diseases	3	.
Suicide	2	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	25	152.2
Opioids	2	.
Other drugs	2	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	2,039	122.4	4.1	$31,020	$3,796
Age					
<18	241	78.1	3.3	$13,186	$1,030
18-44	413	99.3	3.7	$20,823	$2,067
45-64	495	94.2	4.6	$39,748	$3,744
65+	890	213.7	4.4	$35,728	$7,636

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	57	3.4	4.0	$12,914	$44
18-44	28	6.7	3.6	$10,587	$71
45-64	25	4.8	4.1	$10,426	$50
Drug-related					
Total	12	.	0.0	$0	$0
18-44	6	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	133	8.0	6.0	$12,048	$96
<18	23	7.5	9.6	$17,384	$130
18-44	85	20.4	4.7	$9,382	$192
45-64	20	3.8	6.5	$15,728	$60
65+	5	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	62	3.7	5.7	$56,110	$209
18-44	1	.	0.0	$0	$0
45-64	27	5.1	5.9	$60,878	$313
65+	34	8.2	5.3	$52,292	$427
Neoplasms: Female Breast (rates for female population)					
Total	1	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	9	.	0.0	$0	$0
65+	4	.	0.0	$0	$0
Neoplasms: Lung					
Total	8	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	39	2.3	6.8	$51,813	$121
65+	11	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	75	4.5	4.3	$71,901	$324
45-64	21	4.0	3.8	$67,594	$270
65+	53	12.7	4.5	$74,322	$946
Cerebrovascular Disease					
Total	43	2.6	7.3	$39,261	$101
45-64	15	.	0.0	$0	$0
65+	26	6.2	7.6	$36,689	$229
CHRONIC PULMONARY DISEASE					
Asthma					
Total	3	.	0.0	$0	$0
<18	1	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
45-64	0	.	0.0	$0	$0
65+	1	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	55	3.3	3.7	$14,613	$48
45-64	16	.	0.0	$0	$0
65+	39	9.4	3.6	$13,539	$127
PNEUMONIA and INFLUENZA					
Total	71	4.3	3.8	$15,482	$66
<18	8	.	0.0	$0	$0
45-64	9	.	0.0	$0	$0
65+	49	11.8	4.0	$13,858	$163

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		16,664
County population rank (1-72)		58
Population per square mile		13
County rank in population density (1-72)		66
Population growth 2013-2017		45
County rank in 5-year population growth (1-72)		39

	Female	Male	Total
Total	8,192	8,472	16,664
Age			
0-14	1,273	1,294	2,567
15-17	262	256	518
18-19	164	172	336
20-24	347	370	717
25-44	1,468	1,639	3,107
45-64	2,586	2,669	5,255
65-84	1,838	1,909	3,747
85+	254	163	417
Race/Ethnicity			
White	6,341	6,660	13,001
African American	62	107	169
American Indian	1,541	1,458	3,000
Hispanic	215	218	433
Asian	32	29	62

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	17%	5.2%
Ages 0-17	29.2%	10.8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$34,243

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	8,018
Unemployment rate	4.7%
Five-year avg. unemployment rate (2013-2017)	7.72%
Median household income	$47,183
Rank in median household income (1-72)	62

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	13	161.7	108.1	51.7	205.2
Melanoma	^	^	^	^	^
Colorectal	11	67.3	46.2	21.5	90.3
Lung and bronchus	32	195.7	110.3	72.8	164.7
Prostate*	15	180.5	84.2	46.7	155.0
Total	130	795.2	474.6	389.6	575.6

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	8
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	<5
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	0
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	5
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	12
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	12
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	0
Salmonellosis	<5
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	0
Sexually Transmitted Disease	
Chlamydia trachomatis	26
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	67	1
Alcohol-related	5	1
With citation for OWI	4	0
With citation for speeding	5	0
Motorcyclist	12	0
Bicyclist	0	0
Pedestrian	1	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	465
Crude live birth rate (per 1,000)	11.2
General fertility rate (per 1,000)	69.9

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	13	2.8
Other vaginal	291	62.6
Vaginal vacuum	21	4.5
Forceps	1	0.2
Primary cesarean	75	16.1
Repeat cesarean	63	13.5
Cesarean (unk. repeat/primary)	1	0.2
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	4	0.9
1-4	15	3.2
5-9	95	20.4
10-12	167	35.9
13+	181	38.9
Unknown	3	0.6
First Prenatal Care Visit		
First trimester	339	72.9
Second trimester	91	19.6
Third trimester	28	6.0
No visits	4	0.9
Unknown	3	0.6

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	265	57.0
Unmarried	200	43.0
Unknown	0	0.0
Education		
Elementary or less	22	4.7
Some high school	37	8.0
High school graduate	154	33.1
Some college	165	35.5
College graduate	86	18.5
Unknown	1	0.2
Smoking		
Smoker	84	18.1
Nonsmoker	375	80.6
Unknown	6	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	9	1.9
1,500-2,499 gm	22	4.7
2,500+ gm	434	93.3
Unknown	0	0.0
Birth Order		
First	159	34.2
Second	134	28.8
Third	90	19.4
Fourth or higher	81	17.4
Unknown	1	0.2
Reported congenital anomalies [1]	1	0.2

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	363	78.1	21	5.8	273	75.2	66	18.2	24	6.6
Black/African-American	3	0.6	1	33.3	1	33.3	2	66.7	0	0.0
American Indian	61	13.1	7	11.5	40	65.6	15	24.6	6	9.8
Hispanic/Latino	17	3.7	2	11.8	12	70.6	3	17.6	2	11.8
Asian	3	0.6	0	0.0	0	0.0	3	100.0	0	0.0
Two or more races	18	3.9	0	0.0	13	72.2	2	11.1	3	16.7
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	6	.	1	5.6	5	83.3	1	16.7	0	0.0
18-19	16	.	2	7.3	13	81.2	2	12.5	1	6.2
20-24	107	103.7	6	6.7	80	74.8	17	15.9	10	9.3
25-29	163	159.5	7	5.3	118	72.4	34	20.9	11	6.7
30-34	117	104.3	12	4.0	94	80.3	17	14.5	6	5.1
35-39	53	46.5	2	5.9	28	52.8	18	34.0	7	13.2
40+	3	.	1	10.0	1	33.3	2	66.7	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	22	17.7								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	2	.
Neonatal	2	.
Fetal	0	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	4	.
Neonatal	2	.
Postneonatal	2	.
Birthweight		
< 1,500 gm	3	.
1,500-2,499 gm	0	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	2	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	2	.

TOTAL DEATHS

Total deaths	479	
Crude death rate (per 100,000)	1,152.6	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	1	.
20-34	5	.
35-54	29	282.4
55-64	56	864.2
65-74	96	1,944.1
75-84	130	4,843.5
85+	158	13,620.7
Selected Underlying Causes		
Heart disease (total)	104	250.3
Ischemic heart disease	59	142.0
Cancer (total)	101	243.0
Trachea/Bronchus/Lung	18	.
Colorectal	10	.
Female breast*	3	.
Cerebrovascular disease	31	74.6
Lower respiratory disease	38	91.4
Pneumonia and influenza	4	.
Accidents	29	69.8
Motor vehicle	9	.
Diabetes	14	.
Infectious/Parasitic diseases	8	.
Suicide	6	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	8	.
Opioids	4	.
Other drugs	3	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	3,694	88.9	4.0	$28,526	$2,536
Age					
<18	545	63.2	3.9	$16,949	$1,071
18-44	687	57.8	3.1	$15,866	$916
45-64	872	71.1	4.4	$39,730	$2,827
65+	1,590	181.1	4.3	$31,819	$5,761

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	55	1.3	4.1	$12,374	$16
18-44	11	.	0.0	$0	$0
45-64	32	2.6	3.6	$8,587	$22
Drug-related					
Total	26	0.6	3.2	$20,891	$13
18-44	9	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	223	5.4	6.8	$12,109	$65
<18	64	7.4	7.5	$13,740	$102
18-44	94	7.9	5.1	$8,776	$69
45-64	49	4.0	8.1	$14,003	$56
65+	16	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	121	2.9	6.8	$66,632	$194
18-44	5	.	0.0	$0	$0
45-64	55	4.5	8.5	$92,608	$416
65+	58	6.6	5.5	$44,560	$294
Neoplasms: Female Breast (rates for female population)					
Total	2	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	13	.	0.0	$0	$0
65+	9	.	0.0	$0	$0
Neoplasms: Lung					
Total	6	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	42	1.0	4.1	$22,454	$23
65+	11	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	128	3.1	3.9	$58,042	$179
45-64	47	3.8	3.4	$57,029	$219
65+	76	8.7	4.4	$58,479	$506
Cerebrovascular Disease					
Total	101	2.4	5.2	$37,270	$91
45-64	21	1.7	6.2	$48,670	$83
65+	80	9.1	4.9	$34,277	$312
CHRONIC PULMONARY DISEASE					
Asthma					
Total	11	.	0.0	$0	$0
<18	2	.	0.0	$0	$0
18-44	5	.	0.0	$0	$0
45-64	3	.	0.0	$0	$0
65+	1	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	64	1.5	3.5	$12,527	$19
45-64	18	.	0.0	$0	$0
65+	46	5.2	3.8	$13,189	$69
PNEUMONIA and INFLUENZA					
Total	100	2.4	4.3	$19,011	$46
<18	9	.	0.0	$0	$0
45-64	12	.	0.0	$0	$0
65+	73	8.3	4.3	$17,730	$147

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

![icon] Population (2017 data)

Shawano County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			41,557
County population rank (1-72)			35
Population per square mile			47
County rank in population density (1-72)			38
Population growth 2013-2017			-236
County rank in 5-year population growth (1-72)			66

	Female	Male	Total
Total	20,806	20,751	41,557
Age			
0-14	3,453	3,647	7,100
15-17	744	780	1,524
18-19	498	499	997
20-24	1,032	1,047	2,079
25-44	4,381	4,437	8,818
45-64	6,062	6,195	12,257
65-84	3,893	3,729	7,622
85+	743	417	1,160
Race/Ethnicity			
White	18,199	18,215	36,414
African American	115	175	290
American Indian	1,779	1,645	3,424
Hispanic	578	602	1,179
Asian	136	114	250

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	11.6%	4.2%
Ages 0-17	17.6%	7.8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$33,051

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	21,502
Unemployment rate	3.2%
Five-year avg. unemployment rate (2013-2017)	5.14%
Median household income	$55,546
Rank in median household income (1-72)	37

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	39	190.8	119.8	83.8	168.5
Melanoma	11	26.9	23.0	10.8	43.2
Colorectal	23	56.2	38.5	24.0	59.8
Lung and bronchus	24	58.6	36.2	23.1	55.6
Prostate*	28	136.6	83.6	55.3	124.5
Total	244	596.0	402.4	351.3	459.7

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	8
Babesiosis	<5
Blastomycosis	<5
Campylobacter enteritis	17
Cryptosporidiosis	8
E.coli, shiga toxin-producing (STEC)	0
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	7
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	25
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	33
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	10
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	13
Sexually Transmitted Disease	
Chlamydia trachomatis	83
Gonorrhea (all stages)	5
Syphilis (all stages)	<5

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	288	16
Alcohol-related	60	4
With citation for OWI	24	0
With citation for speeding	39	1
Motorcyclist	28	0
Bicyclist	0	0
Pedestrian	5	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	1,204
Crude live birth rate (per 1,000)	10.4
General fertility rate (per 1,000)	61.5

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	20	1.7
Other vaginal	817	67.9
Vaginal vacuum	45	3.7
Forceps	2	0.2
Primary cesarean	205	17.0
Repeat cesarean	114	9.5
Cesarean (unk. repeat/primary)	1	0.1
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	5	0.4
1-4	15	1.2
5-9	183	15.2
10-12	491	40.8
13+	482	40.0
Unknown	28	2.3
First Prenatal Care Visit		
First trimester	955	79.3
Second trimester	187	15.5
Third trimester	34	2.8
No visits	5	0.4
Unknown	23	1.9

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	735	61.0
Unmarried	457	38.0
Unknown	12	1.0
Education		
Elementary or less	21	1.7
Some high school	81	6.7
High school graduate	364	30.2
Some college	354	29.4
College graduate	374	31.1
Unknown	10	0.8
Smoking		
Smoker	143	11.9
Nonsmoker	1,050	87.2
Unknown	11	1.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	7	0.6
1,500-2,499 gm	59	4.9
2,500+ gm	1,138	94.5
Unknown	0	0.0
Birth Order		
First	403	33.5
Second	381	31.6
Third	233	19.4
Fourth or higher	187	15.5
Unknown	0	0.0
Reported congenital anomalies [1]	11	0.9

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES　　　　　　　　　　**Trimester of First Prenatal Visit**

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
White	879	73.0	50	5.7	731	83.2	100	11.4	48	5.5
Black/African-American	30	2.5	1	3.3	16	53.3	11	36.7	3	10.0
American Indian	5	0.4	0	0.0	3	60.0	2	40.0	0	0.0
Hispanic/Latino	130	10.8	9	6.9	96	73.8	26	20.0	8	6.2
Asian	130	10.8	4	3.1	85	65.4	42	32.3	3	2.3
Two or more races	25	2.1	1	4.0	19	76.0	6	24.0	0	0.0
Other/Unknown	5	0.4	1	20.0	5	100.0	0	0.0	0	0.0
		Fertility								
Age	**Births**	**(per 1,000)**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	18	.	1	0.0	6	33.3	9	50.0	3	16.7
18-19	41	29.7	3	5.6	26	63.4	11	26.8	4	9.8
20-24	253	83.2	17	4.3	191	75.5	51	20.2	11	4.3
25-29	378	121.1	20	3.6	308	81.5	51	13.5	19	5.0
30-34	348	103.8	14	4.2	282	81.0	47	13.5	19	5.5
35-39	136	39.8	8	2.9	118	86.8	12	8.8	6	4.4
40+	30	9.5	3	3.7	24	80.0	6	20.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	59	16.9								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	4	.
Neonatal	1	.
Fetal	3	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	3	.
Neonatal	1	.
Postneonatal	2	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	3	.
Unknown	0	.
Race of Mother		
White	3	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	1,096
Crude death rate (per 100,000)	950.8

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	1	.
15-19	8	.
20-34	21	105.6
35-54	64	216.4
55-64	116	678.5
65-74	155	1,350.3
75-84	253	4,300.5
85+	475	16,334.3
Selected Underlying Causes		
Heart disease (total)	254	220.4
Ischemic heart disease	146	126.7
Cancer (total)	212	183.9
Trachea/Bronchus/Lung	55	47.7
Colorectal	17	.
Female breast*	10	.
Cerebrovascular disease	73	63.3
Lower respiratory disease	67	58.1
Pneumonia and influenza	22	19.1
Accidents	72	62.5
Motor vehicle	10	.
Diabetes	31	26.9
Infectious/Parasitic diseases	19	.
Suicide	20	17.4
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	19	.
Opioids	18	.
Other drugs	3	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	11,464	99.5	3.8	$35,275	$3,508
Age					
<18	1,871	73.3	3.7	$16,680	$1,223
18-44	2,736	74.9	3.4	$23,978	$1,796
45-64	2,962	89.9	4.1	$45,466	$4,085
65+	3,895	192.2	4.0	$44,392	$8,530

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	376	3.3	3.6	$17,325	$57
18-44	112	3.1	3.5	$15,512	$48
45-64	243	7.4	3.6	$17,837	$131
Drug-related					
Total	76	0.7	3.1	$28,780	$19
18-44	47	1.3	2.9	$30,377	$39
MENTAL HEALTH DISORDERS					
Total	1,277	11.1	5.6	$16,948	$188
<18	314	12.3	6.0	$17,818	$219
18-44	628	17.2	5.2	$15,509	$267
45-64	304	9.2	6.1	$18,601	$172
65+	31	1.5	6.0	$21,072	$32
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	324	2.8	5.1	$69,881	$196
18-44	15	.	0.0	$0	$0
45-64	152	4.6	4.6	$71,010	$327
65+	148	7.3	4.8	$57,092	$417
Neoplasms: Female Breast (rates for female population)					
Total	9	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	32	0.3	5.1	$50,093	$14
65+	17	.	0.0	$0	$0
Neoplasms: Lung					
Total	31	0.3	4.4	$66,253	$18

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	130	1.1	3.1	$28,185	$32
65+	38	1.9	3.4	$35,913	$67
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	415	3.6	4.0	$77,374	$279
45-64	153	4.6	4.2	$89,493	$415
65+	244	12.0	4.1	$71,267	$858
Cerebrovascular Disease					
Total	265	2.3	5.0	$56,377	$130
45-64	75	2.3	5.7	$68,174	$155
65+	176	8.7	4.3	$47,528	$413
CHRONIC PULMONARY DISEASE					
Asthma					
Total	29	0.3	2.1	$12,527	$3
<18	9	.	0.0	$0	$0
18-44	7	.	0.0	$0	$0
45-64	7	.	0.0	$0	$0
65+	6	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	190	1.6	3.4	$21,925	$36
45-64	59	1.8	3.0	$19,715	$35
65+	127	6.3	3.6	$23,120	$145
PNEUMONIA and INFLUENZA					
Total	240	2.1	3.8	$22,664	$47
<18	28	1.1	2.7	$13,934	$15
45-64	49	1.5	3.9	$24,266	$36
65+	150	7.4	4.0	$24,322	$180

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017	115,271
County population rank (1-72)	13
Population per square mile	225
County rank in population density (1-72)	12
Population growth 2013-2017	45
County rank in 5-year population growth (1-72)	38

	Female	Male	Total
Total	57,139	58,132	115,271
Age			
0-14	10,279	10,773	21,052
15-17	2,111	2,355	4,466
18-19	1,382	1,545	2,927
20-24	3,042	3,328	6,370
25-44	13,039	14,184	27,223
45-64	16,197	16,766	32,963
65-84	9,200	8,162	17,362
85+	1,889	1,019	2,908
Race/Ethnicity			
White	49,106	48,925	98,031
African American	1,007	1,751	2,757
American Indian	231	250	481
Hispanic	3,566	3,893	7,459
Asian	3,228	3,314	6,542

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	7.8%	2.6%
Ages 0-17	9.8%	5%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$47,148

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	62,719
Unemployment rate	2.8%
Five-year avg. unemployment rate (2013-2017)	4.12%
Median household income	$59,231
Rank in median household income (1-72)	20

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	111	194.1	144.6	118.1	175.7
Melanoma	41	35.6	28.9	20.4	39.9
Colorectal	53	46.0	35.4	26.3	46.8
Lung and bronchus	84	73.0	54.7	43.4	68.3
Prostate*	94	162.3	124.1	99.5	153.3
Total	716	621.9	477.0	441.6	514.6

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	<5
Campylobacter enteritis	24
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	6
Giardiasis	5
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	53
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	7
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	<5
Pertussis	<5
Salmonellosis	31
Streptococcal disease (Group A)	6
Streptococcal disease (Group B)	9
Sexually Transmitted Disease	
Chlamydia trachomatis	388
Gonorrhea (all stages)	128
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	639	9
Alcohol-related	38	3
With citation for OWI	17	1
With citation for speeding	38	0
Motorcyclist	48	1
Bicyclist	17	0
Pedestrian	19	1

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	988
Crude live birth rate (per 1,000)	11.3
General fertility rate (per 1,000)	59.0

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	28	2.8
Other vaginal	688	69.6
Vaginal vacuum	29	2.9
Forceps	4	0.4
Primary cesarean	135	13.7
Repeat cesarean	101	10.2
Cesarean (unk. repeat/primary)	3	0.3
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	3	0.3
1-4	21	2.1
5-9	260	26.3
10-12	357	36.1
13+	333	33.7
Unknown	14	1.4
First Prenatal Care Visit		
First trimester	792	80.2
Second trimester	160	16.2
Third trimester	24	2.4
No visits	3	0.3
Unknown	9	0.9

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	762	77.1
Unmarried	226	22.9
Unknown	0	0.0
Education		
Elementary or less	14	1.4
Some high school	13	1.3
High school graduate	161	16.3
Some college	339	34.3
College graduate	459	46.5
Unknown	2	0.2
Smoking		
Smoker	78	7.9
Nonsmoker	908	91.9
Unknown	2	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	8	0.8
1,500-2,499 gm	30	3.0
2,500+ gm	950	96.2
Unknown	0	0.0
Birth Order		
First	335	33.9
Second	372	37.7
Third	170	17.2
Fourth or higher	111	11.2
Unknown	0	0.0
Reported congenital anomalies [1]	2	0.2

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	921	93.2	34	3.7	746	81.0	142	15.4	33	3.6
Black/African-American	8	0.8	1	12.5	5	62.5	2	25.0	1	12.5
American Indian	3	0.3	0	0.0	1	33.3	2	66.7	0	0.0
Hispanic/Latino	33	3.3	2	6.1	23	69.7	8	24.2	2	6.1
Asian	11	1.1	0	0.0	11	100.0	0	0.0	0	0.0
Two or more races	10	1.0	0	0.0	4	40.0	6	60.0	0	0.0
Other/Unknown	2	0.2	1	50.0	2	100.0	0	0.0	0	0.0
Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	1	.	0	0.0	1	100.0	0	0.0	0	0.0
18-19	18	.	1	14.3	10	55.6	5	27.8	3	16.7
20-24	116	51.8	5	3.5	85	73.3	21	18.1	10	8.6
25-29	308	135.7	11	7.7	244	79.2	55	17.9	9	2.9
30-34	379	133.3	16	7.0	320	84.4	50	13.2	9	2.4
35-39	139	41.2	4	10.1	112	80.6	23	16.5	4	2.9
40+	27	8.7	1	26.3	20	74.1	6	22.2	1	3.7
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	19	6.5								

Trimester of First Prenatal Visit columns: First, Second, Other/Unk.

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Deaths (2017 data)

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	2	.
Neonatal	2	.
Fetal	0	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	4	.
Neonatal	2	.
Postneonatal	2	.
Birthweight		
< 1,500 gm	2	.
1,500-2,499 gm	0	.
2,500+ gm	2	.
Unknown	0	.
Race of Mother		
White	4	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	624	
Crude death rate (per 100,000)	716.3	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	3	.
15-19	6	.
20-34	11	.
35-54	38	148.8
55-64	71	621.5
65-74	110	1,649.4
75-84	153	5,351.5
85+	227	16,605.7
Selected Underlying Causes		
Heart disease (total)	94	107.9
Ischemic heart disease	51	58.5
Cancer (total)	150	172.2
Trachea/Bronchus/Lung	34	39.0
Colorectal	9	.
Female breast*	7	.
Cerebrovascular disease	25	28.7
Lower respiratory disease	37	42.5
Pneumonia and influenza	7	.
Accidents	25	28.7
Motor vehicle	5	.
Diabetes	25	28.7
Infectious/Parasitic diseases	5	.
Suicide	19	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	47	53.5
Opioids	4	.
Other drugs	4	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	7,186	82.5	3.6	$30,169	$2,489
Age					
<18	1,279	58.2	2.9	$15,913	$927
18-44	1,672	55.3	3.2	$21,340	$1,181
45-64	1,574	65.5	3.8	$42,401	$2,777
65+	2,661	244.2	4.0	$35,332	$8,630

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	160	1.8	3.8	$15,688	$29
18-44	82	2.7	3.6	$13,263	$36
45-64	65	2.7	3.9	$16,600	$45
Drug-related					
Total	38	0.4	3.7	$24,989	$11
18-44	15	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	310	3.6	7.4	$18,918	$67
<18	83	3.8	6.8	$17,702	$67
18-44	156	5.2	7.2	$17,116	$88
45-64	48	2.0	8.0	$23,246	$46
65+	23	2.1	10.4	$26,496	$56
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	258	3.0	5.1	$58,186	$172
18-44	16	.	0.0	$0	$0
45-64	109	4.5	5.2	$64,098	$291
65+	130	11.9	5.2	$52,422	$626
Neoplasms: Female Breast (rates for female population)					
Total	12	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	26	0.3	5.6	$44,659	$13
65+	14	.	0.0	$0	$0
Neoplasms: Lung					
Total	20	0.2	5.0	$46,316	$11

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	71	0.8	3.8	$26,953	$22
65+	31	2.8	4.0	$24,713	$70
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	176	2.0	3.9	$83,055	$168
45-64	64	2.7	4.0	$91,183	$243
65+	105	9.6	3.8	$76,206	$734
Cerebrovascular Disease					
Total	158	1.8	4.9	$48,956	$89
45-64	38	1.6	7.1	$91,200	$144
65+	114	10.5	4.2	$33,373	$349
CHRONIC PULMONARY DISEASE					
Asthma					
Total	8	.	0.0	$0	$0
<18	3	.	0.0	$0	$0
18-44	2	.	0.0	$0	$0
45-64	3	.	0.0	$0	$0
65+	0	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	99	1.1	2.7	$11,611	$13
45-64	27	1.1	2.7	$12,216	$14
65+	72	6.6	2.6	$11,384	$75
PNEUMONIA and INFLUENZA					
Total	142	1.6	3.7	$20,160	$33
<18	23	1.0	3.0	$21,965	$23
45-64	29	1.2	3.4	$19,485	$24
65+	86	7.9	4.0	$19,791	$156

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			87,109
County population rank (1-72)			19
Population per square mile			121
County rank in population density (1-72)			20
Population growth 2013-2017			1,464
County rank in 5-year population growth (1-72)			7

	Female	Male	Total
Total	43,480	43,629	87,109
Age			
0-14	8,961	9,347	18,308
15-17	1,792	1,864	3,656
18-19	1,114	1,221	2,335
20-24	2,241	2,389	4,630
25-44	11,586	11,665	23,251
45-64	12,040	11,994	24,034
65-84	4,866	4,662	9,528
85+	880	487	1,367
Race/Ethnicity			
White	41,224	41,246	82,471
African American	378	579	957
American Indian	148	186	334
Hispanic	1,015	1,110	2,125
Asian	714	508	1,222

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	4.5%	2%
Ages 0-17	5.2%	2.6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$40,380

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	50,289
Unemployment rate	3.1%
Five-year avg. unemployment rate (2013-2017)	4.12%
Median household income	$82,253
Rank in median household income (1-72)	3

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	39	88.9	82.8	58.3	114.1
Melanoma	18	20.5	18.5	10.8	29.8
Colorectal	28	31.9	29.4	19.2	43.1
Lung and bronchus	45	51.3	50.8	36.6	68.5
Prostate*	22	50.3	50.8	31.0	78.2
Total	299	341.1	314.5	278.7	353.6

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	<5
Blastomycosis	0
Campylobacter enteritis	13
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	10
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	20
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	47
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	7
Salmonellosis	9
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	209
Gonorrhea (all stages)	17
Syphilis (all stages)	9

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	497	7
Alcohol-related	41	2
With citation for OWI	20	0
With citation for speeding	63	0
Motorcyclist	22	1
Bicyclist	7	1
Pedestrian	9	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	202
Crude live birth rate (per 1,000)	9.8
General fertility rate (per 1,000)	64.3

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	4	2.0
Other vaginal	149	73.8
Vaginal vacuum	0	0.0
Forceps	1	0.5
Primary cesarean	29	14.4
Repeat cesarean	19	9.4
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	0.5
1-4	13	6.4
5-9	53	26.2
10-12	73	36.1
13+	61	30.2
Unknown	1	0.5
First Prenatal Care Visit		
First trimester	148	73.3
Second trimester	43	21.3
Third trimester	8	4.0
No visits	1	0.5
Unknown	2	1.0

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	144	71.3
Unmarried	58	28.7
Unknown	0	0.0
Education		
Elementary or less	33	16.3
Some high school	11	5.4
High school graduate	52	25.7
Some college	63	31.2
College graduate	43	21.3
Unknown	0	0.0
Smoking		
Smoker	26	12.9
Nonsmoker	175	86.6
Unknown	1	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	1	0.5
1,500-2,499 gm	9	4.5
2,500+ gm	192	95.0
Unknown	0	0.0
Birth Order		
First	59	29.2
Second	67	33.2
Third	36	17.8
Fourth or higher	40	19.8
Unknown	0	0.0
Reported congenital anomalies [1]	1	0.5

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	192	95.0	9	4.7	143	74.5	41	21.4	8	4.2
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	7	3.5	1	14.3	4	57.1	1	14.3	2	28.6
Asian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Two or more races	3	1.5	0	0.0	1	33.3	1	33.3	1	33.3
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	1	.	0	0.0	0	0.0	0	0.0	1	100.0
18-19	5	.	0	0.0	5	100.0	0	0.0	0	0.0
20-24	45	102.3	3	6.7	29	64.4	13	28.9	3	6.7
25-29	82	180.6	5	6.1	61	74.4	19	23.2	2	2.4
30-34	44	86.8	1	2.3	34	77.3	9	20.5	1	2.3
35-39	20	34.4	1	5.0	15	75.0	2	10.0	3	15.0
40+	5	.	0	0.0	4	80.0	0	0.0	1	20.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	6	10.1								

Trimester of First Prenatal Visit

DEFINITIONS
Birthweight: Infant weight at time of delivery (reported here in grams).
Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.
Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.
Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.
Teen birth: Births in which the mother was less than 20 years old.

MEASURES
Crude live birth rate: Number of live births per 1,000 population.
General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).
Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.
Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES
[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	3	.
Neonatal	2	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	3	.
Neonatal	2	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	1	.
1,500-2,499 gm	1	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	3	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	190	
Crude death rate (per 100,000)	921.3	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	1	.
20-34	0	.
35-54	13	.
55-64	13	.
65-74	33	1,558.8
75-84	54	4,643.2
85+	73	12,989.3
Selected Underlying Causes		
Heart disease (total)	33	160.0
Ischemic heart disease	21	101.8
Cancer (total)	40	193.9
Trachea/Bronchus/Lung	11	.
Colorectal	5	.
Female breast*	2	.
Cerebrovascular disease	15	.
Lower respiratory disease	13	.
Pneumonia and influenza	1	.
Accidents	4	.
Motor vehicle	2	.
Diabetes	6	.
Infectious/Parasitic diseases	1	.
Suicide	1	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	6	.
Opioids	0	.
Other drugs	0	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	1,464	71.0	4.1	$33,963	$2,411
Age					
<18	216	44.3	2.8	$9,725	$431
18-44	326	56.4	3.9	$28,200	$1,589
45-64	306	50.0	4.0	$37,281	$1,864
65+	616	160.3	4.6	$43,865	$7,033

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	19	.	0.0	$0	$0
18-44	7	.	0.0	$0	$0
45-64	9	.	0.0	$0	$0
Drug-related					
Total	4	.	0.0	$0	$0
18-44	2	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	73	3.5	8.1	$12,268	$43
<18	13	.	0.0	$0	$0
18-44	49	8.5	6.5	$9,948	$84
45-64	9	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	56	2.7	6.0	$56,218	$153
18-44	3	.	0.0	$0	$0
45-64	24	3.9	5.3	$55,251	$217
65+	29	7.5	6.9	$58,461	$441
Neoplasms: Female Breast (rates for female population)					
Total	0	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	6	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Neoplasms: Lung					
Total	2	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	22	1.1	5.6	$41,975	$45
65+	10	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	57	2.8	4.9	$75,509	$209
45-64	10	.	0.0	$0	$0
65+	46	12.0	5.4	$83,006	$994
Cerebrovascular Disease					
Total	55	2.7	4.6	$42,284	$113
45-64	10	.	0.0	$0	$0
65+	39	10.2	4.2	$26,609	$270
CHRONIC PULMONARY DISEASE					
Asthma					
Total	5	.	0.0	$0	$0
<18	2	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	2	.	0.0	$0	$0
65+	1	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	19	.	0.0	$0	$0
45-64	4	.	0.0	$0	$0
65+	14	.	0.0	$0	$0
PNEUMONIA and INFLUENZA					
Total	20	1.0	3.4	$18,120	$18
<18	1	.	0.0	$0	$0
45-64	3	.	0.0	$0	$0
65+	14	.	0.0	$0	$0

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		20,624
County population rank (1-72)		51
Population per square mile		21
County rank in population density (1-72)		59
Population growth 2013-2017		-71
County rank in 5-year population growth (1-72)		61

	Female	Male	Total
Total	10,062	10,562	20,624
Age			
0-14	1,983	2,100	4,083
15-17	377	419	796
18-19	219	264	483
20-24	440	527	967
25-44	2,106	2,228	4,334
45-64	2,918	3,201	6,119
65-84	1,662	1,618	3,280
85+	357	205	562
Race/Ethnicity			
White	9,706	10,192	19,898
African American	58	74	131
American Indian	32	38	71
Hispanic	189	221	410
Asian	77	37	114

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	10.4%	4.2%
Ages 0-17	15.6%	8.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$37,188

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	11,142
Unemployment rate	3.5%
Five-year avg. unemployment rate (2013-2017)	4.74%
Median household income	$51,038
Rank in median household income (1-72)	49

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	16	160.3	105.2	59.5	178.1
Melanoma	^	^	^	^	^
Colorectal	8	39.5	29.9	12.1	63.1
Lung and bronchus	14	69.1	43.8	23.7	77.4
Prostate*	17	165.2	107.0	61.0	179.6
Total	103	508.0	377.4	304.1	464.3

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	0
Babesiosis	0
Blastomycosis	<5
Campylobacter enteritis	8
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	20
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	13
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	15
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	8
Salmonellosis	5
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	41
Gonorrhea (all stages)	<5
Syphilis (all stages)	0

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	114	1
Alcohol-related	22	1
With citation for OWI	12	0
With citation for speeding	11	1
Motorcyclist	8	0
Bicyclist	0	0
Pedestrian	0	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	450
Crude live birth rate (per 1,000)	15.3
General fertility rate (per 1,000)	93.5

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	14	3.1
Other vaginal	331	73.6
Vaginal vacuum	8	1.8
Forceps	1	0.2
Primary cesarean	46	10.2
Repeat cesarean	50	11.1
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	2	0.4
1-4	13	2.9
5-9	90	20.0
10-12	171	38.0
13+	166	36.9
Unknown	8	1.8
First Prenatal Care Visit		
First trimester	321	71.3
Second trimester	91	20.2
Third trimester	25	5.6
No visits	2	0.4
Unknown	11	2.4

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	282	62.7
Unmarried	167	37.1
Unknown	1	0.2
Education		
Elementary or less	50	11.1
Some high school	40	8.9
High school graduate	135	30.0
Some college	107	23.8
College graduate	118	26.2
Unknown	0	0.0
Smoking		
Smoker	63	14.0
Nonsmoker	387	86.0
Unknown	0	0.2

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	6	1.3
1,500-2,499 gm	34	7.6
2,500+ gm	410	91.1
Unknown	0	0.0
Birth Order		
First	144	32.0
Second	156	34.7
Third	89	19.8
Fourth or higher	61	13.6
Unknown	0	0.0
Reported congenital anomalies [1]	3	0.7

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	335	74.4	25	7.5	270	80.6	45	13.4	20	6.0
Black/African-American	2	0.4	0	0.0	2	100.0	0	0.0	0	0.0
American Indian	1	0.2	0	0.0	0	0.0	0	0.0	1	100.0
Hispanic/Latino	101	22.4	11	10.9	41	40.6	44	43.6	16	15.8
Asian	3	0.7	0	0.0	2	66.7	1	33.3	0	0.0
Two or more races	7	1.6	4	57.1	5	71.4	1	14.3	1	14.3
Other/Unknown	1	0.2	0	0.0	1	100.0	0	0.0	0	0.0

		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	5	.	1	20.0	2	40.0	1	20.0	2	40.0
18-19	8	.	0	0.0	7	87.5	0	0.0	1	12.5
20-24	101	142.3	12	11.9	63	62.4	28	27.7	10	9.9
25-29	156	214.3	15	9.6	117	75.0	30	19.2	9	5.8
30-34	130	156.4	9	6.9	97	74.6	25	19.2	8	6.2
35-39	44	50.1	2	4.5	33	75.0	4	9.1	7	15.9
40+	6	.	1	16.7	2	33.3	3	50.0	1	16.7
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	13	14.9								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Deaths (2017 data)

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	7	.
Neonatal	6	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	6	.
Neonatal	6	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	3	.
1,500-2,499 gm	1	.
2,500+ gm	2	.
Unknown	0	.
Race of Mother		
White	2	.
Black	0	.
Hispanic	4	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	311	
Crude death rate (per 100,000)	1,057.9	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	2	.
20-34	5	.
35-54	20	266.8
55-64	22	517.5
65-74	53	1,777.9
75-84	85	5,533.9
85+	118	15,967.5
Selected Underlying Causes		
Heart disease (total)	80	272.1
Ischemic heart disease	54	183.7
Cancer (total)	70	238.1
Trachea/Bronchus/Lung	20	68.0
Colorectal	9	.
Female breast*	1	.
Cerebrovascular disease	13	.
Lower respiratory disease	18	.
Pneumonia and influenza	3	.
Accidents	16	.
Motor vehicle	5	.
Diabetes	8	.
Infectious/Parasitic diseases	2	.
Suicide	3	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	12	.
Opioids	0	.
Other drugs	0	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	3,365	114.5	3.8	$28,732	$3,289
Age					
<18	602	87.5	3.6	$15,935	$1,395
18-44	771	85.5	3.3	$20,829	$1,781
45-64	741	89.9	4.1	$39,469	$3,547
65+	1,251	238.0	4.0	$33,401	$7,950

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	44	1.5	4.1	$22,009	$33
18-44	11	.	0.0	$0	$0
45-64	29	3.5	4.3	$21,039	$74
Drug-related					
Total	26	0.9	4.1	$19,142	$17
18-44	12	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	188	6.4	6.6	$13,103	$84
<18	34	4.9	8.2	$19,229	$95
18-44	112	12.4	5.5	$9,991	$124
45-64	32	3.9	5.4	$10,691	$41
65+	10	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	119	4.0	4.7	$48,148	$195
18-44	6	.	0.0	$0	$0
45-64	44	5.3	4.6	$52,156	$278
65+	66	12.6	4.9	$44,858	$563
Neoplasms: Female Breast (rates for female population)					
Total	6	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	11	.	0.0	$0	$0
65+	8	.	0.0	$0	$0
Neoplasms: Lung					
Total	13	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	38	1.3	2.9	$26,212	$34
65+	18	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	98	3.3	3.9	$61,792	$206
45-64	37	4.5	4.4	$74,983	$336
65+	59	11.2	3.6	$51,950	$583
Cerebrovascular Disease					
Total	63	2.1	4.3	$35,820	$77
45-64	13	.	0.0	$0	$0
65+	49	9.3	4.5	$35,839	$334
CHRONIC PULMONARY DISEASE					
Asthma					
Total	9	.	0.0	$0	$0
<18	2	.	0.0	$0	$0
18-44	3	.	0.0	$0	$0
45-64	2	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	64	2.2	3.4	$19,603	$43
45-64	24	2.9	3.2	$20,932	$61
65+	40	7.6	3.5	$18,805	$143
PNEUMONIA and INFLUENZA					
Total	82	2.8	3.3	$17,338	$48
<18	4	.	0.0	$0	$0
45-64	13	.	0.0	$0	$0
65+	62	11.8	3.5	$16,930	$200

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			29,399
County population rank (1-72)			43
Population per square mile			40
County rank in population density (1-72)			40
Population growth 2013-2017			119
County rank in 5-year population growth (1-72)			32

	Female	Male	Total
Total	14,386	15,013	29,399
Age			
0-14	2,854	2,938	5,792
15-17	523	564	1,087
18-19	352	367	719
20-24	710	798	1,508
25-44	3,230	3,562	6,792
45-64	3,973	4,272	8,245
65-84	2,269	2,248	4,517
85+	475	264	739
Race/Ethnicity			
White	13,056	13,445	26,501
African American	103	93	196
American Indian	43	43	86
Hispanic	1,075	1,356	2,431
Asian	109	77	186

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	8.8%	3.6%
Ages 0-17	11.4%	5.6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$39,797

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	16,513
Unemployment rate	3.1%
Five-year avg. unemployment rate (2013-2017)	4.18%
Median household income	$56,051
Rank in median household income (1-72)	31

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	33	225.4	179.6	121.2	257.4
Melanoma	15	50.6	39.6	21.5	67.5
Colorectal	11	37.1	27.9	13.8	51.6
Lung and bronchus	23	77.6	60.4	38.1	92.1
Prostate*	22	146.8	102.3	63.4	159.2
Total	177	597.5	456.0	389.2	531.6

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	9
Babesiosis	<5
Blastomycosis	0
Campylobacter enteritis	24
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	<5
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	17
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	13
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	<5
Salmonellosis	6
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	94
Gonorrhea (all stages)	<5
Syphilis (all stages)	<5

Motor Vehicle Crashes (2017 data)

2017 data

Trempealeau County

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	123	3
Alcohol-related	15	2
With citation for OWI	7	0
With citation for speeding	8	0
Motorcyclist	6	0
Bicyclist	0	0
Pedestrian	1	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	434
Crude live birth rate (per 1,000)	14.3
General fertility rate (per 1,000)	90.3

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	16	3.7
Other vaginal	339	78.1
Vaginal vacuum	9	2.1
Forceps	1	0.2
Primary cesarean	38	8.8
Repeat cesarean	31	7.1
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	5	1.2
1-4	111	25.6
5-9	94	21.7
10-12	96	22.1
13+	115	26.5
Unknown	13	3.0
First Prenatal Care Visit		
First trimester	221	50.9
Second trimester	109	25.1
Third trimester	87	20.0
No visits	5	1.2
Unknown	12	2.8

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	365	84.1
Unmarried	69	15.9
Unknown	0	0.0
Education		
Elementary or less	164	37.8
Some high school	7	1.6
High school graduate	81	18.7
Some college	99	22.8
College graduate	82	18.9
Unknown	1	0.2
Smoking		
Smoker	37	8.5
Nonsmoker	397	91.5
Unknown	0	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	4	0.9
1,500-2,499 gm	19	4.4
2,500+ gm	410	94.5
Unknown	1	0.2
Birth Order		
First	116	26.7
Second	98	22.6
Third	74	17.1
Fourth or higher	145	33.4
Unknown	1	0.2
Reported congenital anomalies [1]	5	1.2

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit — First		Second		Other/Unk.	
Race/Ethnicity	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
White	422	97.2	23	5.5	211	50.0	107	25.4	104	24.6
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hispanic/Latino	3	0.7	0	0.0	2	66.7	1	33.3	0	0.0
Asian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Two or more races	7	1.6	0	0.0	6	85.7	1	14.3	0	0.0
Other/Unknown	2	0.5	0	0.0	2	100.0	0	0.0	0	0.0
Age	**Births**	**Fertility (per 1,000)**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
< 15	1	--	0	0.0	0	0.0	0	0.0	1	100.0
15-17	0	.	0	0.0	0	0.0	0	0.0	0	0.0
18-19	6	.	0	0.0	2	33.3	3	50.0	1	16.7
20-24	82	110.4	1	1.2	38	46.3	25	30.5	19	23.2
25-29	135	197.4	13	9.6	73	54.1	35	25.9	27	20.0
30-34	128	165.4	8	6.2	78	60.9	25	19.5	25	19.5
35-39	60	72.0	1	1.7	25	41.7	16	26.7	19	31.7
40+	22	28.6	0	0.0	5	22.7	5	22.7	12	54.5
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	7	7.0								

DEFINITIONS
Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES
Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES
[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	7	.
Neonatal	2	.
Fetal	5	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	2	.
Neonatal	2	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	1	.
1,500-2,499 gm	0	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	2	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	304	
Crude death rate (per 100,000)	1,002.3	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	1	.
15-19	0	.
20-34	4	.
35-54	14	.
55-64	44	934.0
65-74	52	1,592.2
75-84	60	3,558.7
85+	127	15,974.8
Selected Underlying Causes		
Heart disease (total)	90	296.7
Ischemic heart disease	57	187.9
Cancer (total)	58	191.2
Trachea/Bronchus/Lung	7	.
Colorectal	4	.
Female breast*	6	.
Cerebrovascular disease	13	.
Lower respiratory disease	13	.
Pneumonia and influenza	4	.
Accidents	12	.
Motor vehicle	2	.
Diabetes	3	.
Infectious/Parasitic diseases	7	.
Suicide	5	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	10	.
Opioids	2	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	2,702	89.1	4.1	$31,106	$2,771
Age					
<18	392	50.9	4.2	$24,834	$1,265
18-44	467	55.5	3.1	$20,853	$1,158
45-64	629	74.2	4.4	$41,957	$3,113
65+	1,214	211.2	4.2	$31,454	$6,644

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	19	.	0.0	$0	$0
18-44	7	.	0.0	$0	$0
45-64	9	.	0.0	$0	$0
Drug-related					
Total	10	.	0.0	$0	$0
18-44	2	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	119	3.9	7.1	$17,595	$69
<18	26	3.4	5.8	$16,179	$55
18-44	60	7.1	6.0	$13,833	$99
45-64	21	2.5	9.1	$23,833	$59
65+	12	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	92	3.0	5.3	$61,501	$187
18-44	7	.	0.0	$0	$0
45-64	29	3.4	7.7	$91,453	$313
65+	50	8.7	4.3	$46,517	$405
Neoplasms: Female Breast (rates for female population)					
Total	0	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	5	.	0.0	$0	$0
65+	4	.	0.0	$0	$0
Neoplasms: Lung					
Total	10	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	30	1.0	5.7	$43,656	$43
65+	16	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	80	2.6	2.9	$47,253	$125
45-64	24	2.8	2.7	$50,258	$142
65+	53	9.2	3.1	$46,835	$432
Cerebrovascular Disease					
Total	81	2.7	6.7	$39,707	$106
45-64	18	.	0.0	$0	$0
65+	61	10.6	4.8	$34,145	$362
CHRONIC PULMONARY DISEASE					
Asthma					
Total	2	.	0.0	$0	$0
<18	1	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	0	.	0.0	$0	$0
65+	1	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	52	1.7	3.6	$17,265	$30
45-64	11	.	0.0	$0	$0
65+	41	7.1	3.5	$17,024	$121
PNEUMONIA and INFLUENZA					
Total	99	3.3	3.7	$14,649	$48
<18	2	.	0.0	$0	$0
45-64	8	.	0.0	$0	$0
65+	82	14.3	3.8	$14,911	$213

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			30,329
County population rank (1-72)			42
Population per square mile			38
County rank in population density (1-72)			42
Population growth 2013-2017			250
County rank in 5-year population growth (1-72)			26

	Female	Male	Total
Total	15,090	15,239	30,329
Age			
0-14	3,144	3,273	6,417
15-17	608	670	1,278
18-19	397	412	809
20-24	743	773	1,516
25-44	3,060	3,025	6,085
45-64	4,140	4,337	8,477
65-84	2,483	2,469	4,952
85+	515	280	795
Race/Ethnicity			
White	14,599	14,744	29,343
African American	110	143	253
American Indian	41	43	85
Hispanic	250	239	488
Asian	90	69	160

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	17%	4.6%
Ages 0-17	27.1%	9.6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$34,328

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	15,772
Unemployment rate	3.1%
Five-year avg. unemployment rate (2013-2017)	4.34%
Median household income	$44,444
Rank in median household income (1-72)	69

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	28	183.8	144.3	92.0	216.5
Melanoma	7	22.9	18.4	6.9	40.5
Colorectal	14	45.8	36.5	19.4	63.3
Lung and bronchus	20	65.5	43.5	26.3	69.4
Prostate*	27	176.4	106.2	69.3	160.0
Total	184	602.4	436.0	372.3	508.4

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	14
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	13
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	<5
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	13
Legionnaires'	0
Listeriosis	<5
Lyme (all stages)	24
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	5
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	6
Sexually Transmitted Disease	
Chlamydia trachomatis	63
Gonorrhea (all stages)	5
Syphilis (all stages)	0

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	155	3
Alcohol-related	17	2
With citation for OWI	7	0
With citation for speeding	15	0
Motorcyclist	16	1
Bicyclist	1	0
Pedestrian	1	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Births (2017 data)

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	186
Crude live birth rate (per 1,000)	8.6
General fertility rate (per 1,000)	74.8

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	4	2.2
Other vaginal	97	52.2
Vaginal vacuum	14	7.5
Forceps	0	0.0
Primary cesarean	35	18.8
Repeat cesarean	36	19.4
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	0	0.0
1-4	14	7.5
5-9	40	21.5
10-12	66	35.5
13+	63	33.9
Unknown	3	1.6
First Prenatal Care Visit		
First trimester	142	76.3
Second trimester	30	16.1
Third trimester	8	4.3
No visits	0	0.0
Unknown	6	3.2

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	82	44.1
Unmarried	103	55.4
Unknown	1	0.5
Education		
Elementary or less	0	0.0
Some high school	9	4.8
High school graduate	59	31.7
Some college	71	38.2
College graduate	46	24.7
Unknown	1	0.5
Smoking		
Smoker	43	23.1
Nonsmoker	141	75.8
Unknown	2	0.5

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	2	1.1
1,500-2,499 gm	14	7.5
2,500+ gm	170	91.4
Unknown	0	0.0
Birth Order		
First	65	34.9
Second	46	24.7
Third	43	23.1
Fourth or higher	32	17.2
Unknown	0	0.0
Reported congenital anomalies [1]	2	1.1

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

Trimester of First Prenatal Visit

Race/Ethnicity	All Births Births	%	LBW Births	%	First Births	%	Second Births	%	Other/Unk. Births	%
White	124	66.7	6	4.8	103	83.1	16	12.9	5	4.0
Black/African-American	2	1.1	0	0.0	2	100.0	0	0.0	0	0.0
American Indian	48	25.8	7	14.6	28	58.3	11	22.9	9	18.8
Hispanic/Latino	8	4.3	2	25.0	7	87.5	1	12.5	0	0.0
Asian	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Two or more races	4	2.2	1	25.0	2	50.0	2	50.0	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	2	.	0	0.0	2	100.0	0	0.0	0	0.0
18-19	7	.	0	0.0	4	57.1	2	28.6	1	14.3
20-24	37	96.6	3	8.1	27	73.0	6	16.2	4	10.8
25-29	66	179.3	6	9.1	52	78.8	8	12.1	6	9.1
30-34	54	139.2	5	9.3	41	75.9	10	18.5	3	5.6
35-39	15	.	1	6.7	13	86.7	2	13.3	0	0.0
40+	5	.	1	20.0	3	60.0	2	40.0	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	9	19.0								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	0	.
Neonatal	0	.
Fetal	0	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	0	.
Neonatal	0	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	0	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	281	
Crude death rate (per 100,000)	1,295.6	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	1	.
20-34	4	.
35-54	12	.
55-64	26	599.9
65-74	71	1,919.4
75-84	78	4,064.6
85+	89	12,750.7
Selected Underlying Causes		
Heart disease (total)	91	419.6
Ischemic heart disease	55	253.6
Cancer (total)	69	318.1
Trachea/Bronchus/Lung	13	.
Colorectal	5	.
Female breast*	8	.
Cerebrovascular disease	13	.
Lower respiratory disease	15	.
Pneumonia and influenza	0	.
Accidents	12	.
Motor vehicle	1	.
Diabetes	8	.
Infectious/Parasitic diseases	4	.
Suicide	4	.
Alcohol and Drug Abuse as Underlying		
or Contributing Cause of Death		
Alcohol	9	.
Opioids	2	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	2,726	125.7	4.3	$32,327	$4,063
Age					
<18	266	77.0	3.4	$15,515	$1,195
18-44	431	90.1	4.7	$26,528	$2,391
45-64	598	83.8	4.4	$38,169	$3,198
65+	1,431	226.6	4.3	$34,757	$7,875

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	99	4.6	4.9	$22,580	$103
18-44	37	7.7	5.6	$23,537	$182
45-64	51	7.1	4.2	$22,294	$159
Drug-related					
Total	22	1.0	2.6	$11,892	$12
18-44	8	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	128	5.9	9.3	$17,465	$103
<18	14	.	0.0	$0	$0
18-44	62	13.0	10.7	$17,814	$231
45-64	31	4.3	6.6	$15,395	$67
65+	21	3.3	9.9	$20,190	$67
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	111	5.1	5.6	$55,146	$282
18-44	3	.	0.0	$0	$0
45-64	34	4.8	6.1	$65,057	$310
65+	72	11.4	4.9	$43,973	$501
Neoplasms: Female Breast (rates for female population)					
Total	3	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	9	.	0.0	$0	$0
65+	7	.	0.0	$0	$0
Neoplasms: Lung					
Total	14	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	60	2.8	5.1	$27,255	$75
65+	16	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	126	5.8	3.7	$53,124	$309
45-64	38	5.3	2.8	$49,397	$263
65+	86	13.6	4.1	$54,070	$736
Cerebrovascular Disease					
Total	80	3.7	5.2	$37,876	$140
45-64	15	.	0.0	$0	$0
65+	64	10.1	5.3	$38,143	$386
CHRONIC PULMONARY DISEASE					
Asthma					
Total	3	.	0.0	$0	$0
<18	0	.	0.0	$0	$0
18-44	1	.	0.0	$0	$0
45-64	0	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	60	2.8	3.6	$20,088	$56
45-64	19	.	0.0	$0	$0
65+	40	6.3	3.7	$19,594	$124
PNEUMONIA and INFLUENZA					
Total	61	2.8	3.1	$17,164	$48
<18	10	.	0.0	$0	$0
45-64	13	.	0.0	$0	$0
65+	30	4.7	3.2	$14,955	$71

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			21,689
County population rank (1-72)			49
Population per square mile			25
County rank in population density (1-72)			57
Population growth 2013-2017			236
County rank in 5-year population growth (1-72)			28

	Female	**Male**	**Total**
Total	10,620	11,069	21,689
Age			
0-14	1,386	1,465	2,851
15-17	279	324	603
18-19	195	213	408
20-24	383	445	828
25-44	1,631	1,914	3,545
45-64	3,560	3,578	7,138
65-84	2,778	2,840	5,618
85+	408	290	698
Race/Ethnicity			
White	9,106	9,515	18,622
African American	72	68	139
American Indian	1,106	1,173	2,280
Hispanic	280	258	538
Asian	56	54	110

POVERTY ESTIMATES

	Estimate (%)	**(CI +/-)**
All ages	13.9%	4.2%
Ages 0-17	24.5%	9.8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$31,755

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	10,189
Unemployment rate	4.3%
Five-year avg. unemployment rate (2013-2017)	7.1%
Median household income	$44,740
Rank in median household income (1-72)	68

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	27	255.5	127.7	78.3	206.5
Melanoma	7	32.6	16.4	6.3	42.5
Colorectal	20	93.2	52.4	29.1	91.0
Lung and bronchus	35	163.1	72.3	50.2	107.0
Prostate*	30	275.3	140.5	89.2	219.2
Total	225	1,048.3	546.4	467.3	638.1

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.
Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.
Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.
Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.
Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.
Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.
Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	7
Babesiosis	0
Blastomycosis	<5
Campylobacter enteritis	<5
Cryptosporidiosis	0
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	16
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	25
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	25
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	<5
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	32
Gonorrhea (all stages)	5
Syphilis (all stages)	0

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	121	2
Alcohol-related	21	0
With citation for OWI	10	0
With citation for speeding	16	0
Motorcyclist	10	0
Bicyclist	1	0
Pedestrian	0	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS
Total live births	918
Crude live birth rate (per 1,000)	8.9
General fertility rate (per 1,000)	49.1

PREGNANCY CHARACTERISTICS
Delivery Type	Births	%
Vaginal after prev. cesarean	19	2.1
Other vaginal	597	65.0
Vaginal vacuum	30	3.3
Forceps	8	0.9
Primary cesarean	157	17.1
Repeat cesarean	107	11.7
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	10	1.1
1-4	9	1.0
5-9	123	13.4
10-12	372	40.5
13+	397	43.2
Unknown	7	0.8
First Prenatal Care Visit		
First trimester	720	78.4
Second trimester	150	16.3
Third trimester	24	2.6
No visits	10	1.1
Unknown	14	1.5

MATERNAL CHARACTERISTICS
Marital Status	Births	%
Married	599	65.3
Unmarried	310	33.8
Unknown	9	1.0
Education		
Elementary or less	15	1.6
Some high school	57	6.2
High school graduate	219	23.9
Some college	312	34.0
College graduate	312	34.0
Unknown	3	0.3
Smoking		
Smoker	103	11.2
Nonsmoker	810	88.2
Unknown	5	1.0

INFANT CHARACTERISTICS
Birthweight	Births	%
< 1,500 gm	18	2.0
1,500-2,499 gm	41	4.5
2,500+ gm	859	93.6
Unknown	0	0.0
Birth Order		
First	335	36.5
Second	299	32.6
Third	158	17.2
Fourth or higher	126	13.7
Unknown	0	0.0
Reported congenital anomalies [1]	11	1.2

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit First		Second		Other/Unk.	
Race/Ethnicity	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
White	741	80.7	46	6.2	608	82.1	99	13.4	34	4.6
Black/African-American	16	1.7	4	25.0	5	31.2	7	43.8	4	25.0
American Indian	1	0.1	0	0.0	0	0.0	1	100.0	0	0.0
Hispanic/Latino	140	15.3	9	6.4	92	65.7	39	27.9	9	6.4
Asian	11	1.2	0	0.0	7	63.6	3	27.3	1	9.1
Two or more races	8	0.9	0	0.0	7	87.5	1	12.5	0	0.0
Other/Unknown	1	0.1	0	0.0	1	100.0	0	0.0	0	0.0
		Fertility								
Age	**Births**	**(per 1,000)**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	7	.	0	0.0	4	57.1	3	42.9	0	0.0
18-19	27	20.8	2	7.4	13	48.1	9	33.3	5	18.5
20-24	152	35.7	8	5.3	112	73.7	29	19.1	11	7.2
25-29	290	108.3	13	4.5	236	81.4	40	13.8	14	4.8
30-34	288	111.0	29	10.1	235	81.6	43	14.9	10	3.5
35-39	134	45.7	5	3.7	106	79.1	21	15.7	7	5.2
40+	20	6.8	2	10.0	14	70.0	5	25.0	1	5.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	34	10.4								

DEFINITIONS
Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES
Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES
[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	6	.
Neonatal	4	.
Fetal	2	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	5	.
Neonatal	4	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	3	.
1,500-2,499 gm	0	.
2,500+ gm	2	.
Unknown	0	.
Race of Mother		
White	4	.
Black	0	.
Hispanic	1	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	962
Crude death rate (per 100,000)	936.2

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	0	.
15-19	3	.
20-34	22	110.9
35-54	73	285.6
55-64	101	677.6
65-74	167	1,671.7
75-84	234	4,905.7
85+	356	15,226.7
Selected Underlying Causes		
Heart disease (total)	220	214.1
Ischemic heart disease	123	119.7
Cancer (total)	205	199.5
Trachea/Bronchus/Lung	33	32.1
Colorectal	13	.
Female breast*	12	.
Cerebrovascular disease	51	49.6
Lower respiratory disease	55	53.5
Pneumonia and influenza	24	23.4
Accidents	73	71.0
Motor vehicle	17	.
Diabetes	28	27.2
Infectious/Parasitic diseases	10	.
Suicide	13	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	48	46.7
Opioids	13	.
Other drugs	5	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatal, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospital izations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	9,474	92.2	4.2	$41,457	$3,822
Age					
<18	1,342	59.2	3.7	$18,567	$1,098
18-44	2,031	59.3	3.4	$27,063	$1,604
45-64	2,271	79.1	4.7	$56,233	$4,449
65+	3,830	224.0	4.5	$48,349	$10,830

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	185	1.8	3.7	$19,068	$34
18-44	79	2.3	3.2	$14,979	$35
45-64	89	3.1	4.2	$21,389	$66
Drug-related					
Total	41	0.4	3.5	$32,837	$13
18-44	19	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	666	6.5	7.0	$18,333	$119
<18	177	7.8	8.6	$22,933	$179
18-44	338	9.9	5.8	$14,930	$147
45-64	116	4.0	7.0	$18,555	$75
65+	35	2.0	10.1	$27,205	$56
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	277	2.7	6.3	$84,819	$229
18-44	16	.	0.0	$0	$0
45-64	105	3.7	6.1	$85,671	$313
65+	152	8.9	6.5	$84,215	$749
Neoplasms: Female Breast (rates for female population)					
Total	9	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	19	.	0.0	$0	$0
65+	14	.	0.0	$0	$0
Neoplasms: Lung					
Total	25	0.2	4.0	$59,308	$14

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	126	1.2	4.5	$43,163	$53
65+	43	2.5	5.9	$54,403	$137
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	269	2.6	4.2	$90,476	$237
45-64	100	3.5	4.1	$93,476	$326
65+	161	9.4	4.3	$87,951	$828
Cerebrovascular Disease					
Total	245	2.4	6.3	$59,553	$142
45-64	60	2.1	9.0	$86,330	$180
65+	174	10.2	5.5	$49,764	$506
CHRONIC PULMONARY DISEASE					
Asthma					
Total	29	0.3	2.7	$15,064	$4
<18	6	.	0.0	$0	$0
18-44	8	.	0.0	$0	$0
45-64	4	.	0.0	$0	$0
65+	11	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	190	1.8	3.6	$23,085	$43
45-64	46	1.6	3.7	$25,155	$40
65+	142	8.3	3.6	$22,327	$185
PNEUMONIA and INFLUENZA					
Total	222	2.2	3.7	$24,154	$52
<18	10	.	0.0	$0	$0
45-64	38	1.3	4.6	$35,366	$47
65+	153	8.9	3.7	$22,013	$197

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.

Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).

Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.

Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data) — Walworth County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017	102,756
County population rank (1-72)	15
Population per square mile	185
County rank in population density (1-72)	14
Population growth 2013-2017	-26
County rank in 5-year population growth (1-72)	53

	Female	Male	Total
Total	51,333	51,423	102,756
Age			
0-14	9,019	9,557	18,576
15-17	1,976	2,132	4,108
18-19	1,297	1,367	2,664
20-24	4,254	4,696	8,950
25-44	11,157	11,499	22,656
45-64	14,373	14,331	28,704
65-84	7,700	7,060	14,760
85+	1,557	781	2,338
Race/Ethnicity			
White	44,439	43,694	88,133
African American	633	762	1,395
American Indian	132	162	294
Hispanic	5,530	6,283	11,812
Asian	599	523	1,122

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	10.6%	3.4%
Ages 0-17	11.8%	5.8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$38,354

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	58,087
Unemployment rate	3.3%
Five-year avg. unemployment rate (2013-2017)	4.84%
Median household income	$60,675
Rank in median household income (1-72)	17

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	89	173.0	136.9	108.9	170.4
Melanoma	49	47.7	34.8	25.6	46.7
Colorectal	51	49.6	42.3	31.2	56.2
Lung and bronchus	72	70.1	52.4	40.7	66.7
Prostate*	61	118.8	87.8	66.5	114.5
Total	623	606.2	477.6	439.6	518.3

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	<5
Campylobacter enteritis	19
Cryptosporidiosis	10
E.coli, shiga toxin-producing (STEC)	5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	7
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	82
Legionnaires'	0
Listeriosis	<5
Lyme (all stages)	12
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	10
Salmonellosis	20
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	6
Sexually Transmitted Disease	
Chlamydia trachomatis	346
Gonorrhea (all stages)	41
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	568	21
Alcohol-related	70	6
With citation for OWI	20	1
With citation for speeding	49	0
Motorcyclist	39	1
Bicyclist	12	0
Pedestrian	30	1

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.
Persons killed: All persons who died within 30 days from injuries received in the crash.
Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.
Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	153
Crude live birth rate (per 1,000)	9.6
General fertility rate (per 1,000)	70.1

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	3	2.0
Other vaginal	98	64.1
Vaginal vacuum	6	3.9
Forceps	1	0.7
Primary cesarean	28	18.3
Repeat cesarean	17	11.1
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	0	0.0
1-4	2	1.3
5-9	33	21.6
10-12	81	52.9
13+	35	22.9
Unknown	2	1.3
First Prenatal Care Visit		
First trimester	128	83.7
Second trimester	21	13.7
Third trimester	2	1.3
No visits	0	0.0
Unknown	2	1.3

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	101	66.0
Unmarried	52	34.0
Unknown	0	0.0
Education		
Elementary or less	2	1.3
Some high school	10	6.5
High school graduate	43	28.1
Some college	44	28.8
College graduate	54	35.3
Unknown	0	0.0
Smoking		
Smoker	23	15.0
Nonsmoker	129	84.3
Unknown	1	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	0	0.0
1,500-2,499 gm	4	2.6
2,500+ gm	149	97.4
Unknown	0	0.0
Birth Order		
First	70	45.8
Second	41	26.8
Third	26	17.0
Fourth or higher	16	10.5
Unknown	0	0.0
Reported congenital anomalies [1]	2	1.3

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	141	92.2	4	2.8	118	83.7	19	13.5	4	2.8
Black/African-American	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
American Indian	5	3.3	0	0.0	4	80.0	1	20.0	0	0.0
Hispanic/Latino	1	0.7	0	0.0	1	100.0	0	0.0	0	0.0
Asian	2	1.3	0	0.0	1	50.0	1	50.0	0	0.0
Two or more races	4	2.6	0	0.0	4	100.0	0	0.0	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	2	.	0	0.0	2	100.0	0	0.0	0	0.0
18-19	8	.	1	12.5	7	87.5	1	12.5	0	0.0
20-24	37	117.1	1	2.7	35	94.6	2	5.4	0	0.0
25-29	41	134.0	0	0.0	33	80.5	6	14.6	2	4.9
30-34	40	109.6	1	2.5	36	90.0	3	7.5	1	2.5
35-39	23	56.5	1	4.3	14	60.9	9	39.1	0	0.0
40+	2	.	0	0.0	1	50.0	0	0.0	1	50.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	10	24.9								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Deaths (2017 data)

Washburn County

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	2	.
Neonatal	1	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	1	.
Neonatal	1	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	1	.
Unknown	0	.
Race of Mother		
White	1	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	208	
Crude death rate (per 100,000)	1,308.5	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	1	.
15-19	0	.
20-34	0	.
35-54	12	.
55-64	26	873.9
65-74	46	1,869.2
75-84	50	4,332.8
85+	72	16,071.4
Selected Underlying Causes		
Heart disease (total)	47	295.7
Ischemic heart disease	29	182.4
Cancer (total)	53	333.4
Trachea/Bronchus/Lung	18	.
Colorectal	5	.
Female breast*	2	.
Cerebrovascular disease	6	.
Lower respiratory disease	13	.
Pneumonia and influenza	2	.
Accidents	10	.
Motor vehicle	4	.
Diabetes	2	.
Infectious/Parasitic diseases	4	.
Suicide	1	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	6	.
Opioids	0	.
Other drugs	2	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	2,160	135.9	4.0	$30,745	$4,178
Age					
<18	218	75.2	3.0	$12,042	$905
18-44	328	83.7	3.3	$18,250	$1,527
45-64	492	98.1	4.6	$43,091	$4,228
65+	1,122	276.2	4.1	$32,618	$9,007

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	30	1.9	3.2	$15,264	$29
18-44	13	.	0.0	$0	$0
45-64	14	.	0.0	$0	$0
Drug-related					
Total	11	.	0.0	$0	$0
18-44	4	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	92	5.8	7.8	$15,612	$90
<18	12	.	0.0	$0	$0
18-44	55	14.0	6.0	$11,211	$157
45-64	23	4.6	12.5	$26,446	$121
65+	2	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	77	4.8	5.1	$50,829	$246
18-44	1	.	0.0	$0	$0
45-64	27	5.4	6.3	$63,770	$343
65+	49	12.1	4.4	$43,122	$520
Neoplasms: Female Breast (rates for female population)					
Total	1	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	9	.	0.0	$0	$0
65+	4	.	0.0	$0	$0
Neoplasms: Lung					
Total	7	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	28	1.8	5.0	$37,335	$66
65+	12	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	101	6.4	3.3	$63,229	$402
45-64	44	8.8	2.8	$53,050	$466
65+	56	13.8	3.8	$71,278	$982
Cerebrovascular Disease					
Total	78	4.9	6.8	$44,639	$219
45-64	20	4.0	6.1	$54,502	$217
65+	56	13.8	7.2	$40,101	$553
CHRONIC PULMONARY DISEASE					
Asthma					
Total	8	.	0.0	$0	$0
<18	1	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	1	.	0.0	$0	$0
65+	6	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	71	4.5	3.4	$13,859	$62
45-64	18	.	0.0	$0	$0
65+	53	13.0	3.3	$13,855	$181
PNEUMONIA and INFLUENZA					
Total	88	5.5	3.6	$12,738	$71
<18	1	.	0.0	$0	$0
45-64	17	.	0.0	$0	$0
65+	64	15.8	3.9	$13,666	$215

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

Washburn County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		15,896
County population rank (1-72)		60
Population per square mile		20
County rank in population density (1-72)		62
Population growth 2013-2017		43
County rank in 5-year population growth (1-72)		40

	Female	Male	Total
Total	7,896	8,000	15,896
Age			
0-14	1,182	1,241	2,423
15-17	234	243	477
18-19	168	161	329
20-24	316	322	638
25-44	1,466	1,486	2,952
45-64	2,477	2,537	5,014
65-84	1,756	1,859	3,615
85+	297	151	448
Race/Ethnicity			
White	7,517	7,644	15,160
African American	55	53	108
American Indian	134	115	249
Hispanic	142	156	298
Asian	48	33	81

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	12.8%	4.6%
Ages 0-17	18.7%	9%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$33,621

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	7,936
Unemployment rate	3.9%
Five-year avg. unemployment rate (2013-2017)	5.58%
Median household income	$48,139
Rank in median household income (1-72)	55

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	12	152.5	87.8	42.7	172.2
Melanoma	8	51.2	28.8	11.2	67.2
Colorectal	9	57.7	36.1	16.2	76.0
Lung and bronchus	16	102.5	51.8	29.1	92.7
Prostate*	11	142.1	77.0	37.5	155.5
Total	118	755.9	427.1	349.0	521.6

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.
Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.
Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.
Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.
Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.
Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.
Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	25
Babesiosis	<5
Blastomycosis	0
Campylobacter enteritis	<5
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	0
Ehrlichiosis/Anaplasmosis	0
Giardiasis	<5
Haemophilus influenzae, invasive	0
Influenza-associated hospitalization	14
Legionnaires'	0
Listeriosis	0
Lyme (all stages)	51
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	0
Salmonellosis	5
Streptococcal disease (Group A)	0
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	20
Gonorrhea (all stages)	0
Syphilis (all stages)	<5

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	96	3
Alcohol-related	13	2
With citation for OWI	7	1
With citation for speeding	5	0
Motorcyclist	1	1
Bicyclist	0	0
Pedestrian	0	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.
Persons killed: All persons who died within 30 days from injuries received in the crash.
Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.
Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	1,292
Crude live birth rate (per 1,000)	9.6
General fertility rate (per 1,000)	57.0

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	34	2.6
Other vaginal	850	65.8
Vaginal vacuum	43	3.3
Forceps	10	0.8
Primary cesarean	190	14.7
Repeat cesarean	165	12.8
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	1	0.1
1-4	13	1.0
5-9	115	8.9
10-12	491	38.0
13+	633	49.0
Unknown	39	3.0
First Prenatal Care Visit		
First trimester	1,122	86.8
Second trimester	109	8.4
Third trimester	24	1.9
No visits	1	0.1
Unknown	36	2.8

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	1,000	77.4
Unmarried	292	22.6
Unknown	0	0.0
Education		
Elementary or less	7	0.5
Some high school	44	3.4
High school graduate	234	18.1
Some college	389	30.1
College graduate	613	47.4
Unknown	5	0.4
Smoking		
Smoker	119	9.2
Nonsmoker	1,172	90.7
Unknown	1	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	7	0.5
1,500-2,499 gm	55	4.3
2,500+ gm	1,229	95.1
Unknown	1	0.1
Birth Order		
First	431	33.4
Second	486	37.6
Third	236	18.3
Fourth or higher	136	10.5
Unknown	3	0.2
Reported congenital anomalies [1]	6	0.5

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

Race/Ethnicity	All Births Births	%	LBW Births	%	Trimester of First Prenatal Visit — First Births	%	Second Births	%	Other/Unk. Births	%
White	1,190	92.1	54	4.5	1,051	88.3	88	7.4	51	4.3
Black/African-American	17	1.3	0	0.0	10	58.8	3	17.6	4	23.5
American Indian	1	0.1	0	0.0	1	100.0	0	0.0	0	0.0
Hispanic/Latino	46	3.6	5	10.9	33	71.7	8	17.4	5	10.9
Asian	25	1.9	2	8.0	20	80.0	4	16.0	1	4.0
Two or more races	11	0.9	1	9.1	7	63.6	4	36.4	0	0.0
Other/Unknown	2	0.2	0	0.0	0	0.0	2	100.0	0	0.0

Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	7	.	1	14.3	4	57.1	2	28.6	1	14.3
18-19	7	.	0	0.0	5	71.4	2	28.6	0	0.0
20-24	127	37.6	7	5.5	100	78.7	18	14.2	9	7.1
25-29	421	129.5	16	3.8	370	87.9	37	8.8	14	3.3
30-34	475	128.6	25	5.3	433	91.2	23	4.8	19	4.0
35-39	235	57.0	12	5.1	196	83.4	22	9.4	17	7.2
40+	20	5.0	1	5.0	14	70.0	5	25.0	1	5.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	14	3.3								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	7	.
Neonatal	1	.
Fetal	6	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	6	.
Neonatal	1	.
Postneonatal	5	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	2	.
2,500+ gm	3	.
Unknown	0	.
Race of Mother		
White	4	.
Black	1	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	1,222	
Crude death rate (per 100,000)	910.1	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	2	.
15-19	8	.
20-34	21	99.2
35-54	61	166.8
55-64	106	530.2
65-74	204	1,546.0
75-84	308	4,576.5
85+	505	16,699.7
Selected Underlying Causes		
Heart disease (total)	275	204.8
Ischemic heart disease	143	106.5
Cancer (total)	252	187.7
Trachea/Bronchus/Lung	55	41.0
Colorectal	16	.
Female breast*	11	.
Cerebrovascular disease	70	52.1
Lower respiratory disease	51	38.0
Pneumonia and influenza	24	17.9
Accidents	89	66.3
Motor vehicle	10	.
Diabetes	21	15.6
Infectious/Parasitic diseases	12	.
Suicide	21	15.6
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	54	39.8
Opioids	20	14.9
Other drugs	3	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	13,596	101.3	4.2	$41,793	$4,232
Age					
<18	1,890	62.7	3.8	$18,457	$1,158
18-44	2,837	69.2	3.6	$28,093	$1,945
45-64	3,161	78.6	4.2	$53,125	$4,175
65+	5,708	248.7	4.6	$50,053	$12,450

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	291	2.2	4.0	$23,114	$50
18-44	107	2.6	3.9	$16,865	$44
45-64	167	4.2	3.9	$22,926	$95
Drug-related					
Total	90	0.7	3.0	$30,789	$21
18-44	48	1.2	2.4	$27,327	$32
MENTAL HEALTH DISORDERS					
Total	958	7.1	6.4	$16,805	$120
<18	208	6.9	7.6	$21,591	$149
18-44	541	13.2	5.6	$14,124	$186
45-64	163	4.1	7.1	$16,739	$68
65+	46	2.0	8.9	$26,922	$54
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	471	3.5	5.6	$81,288	$285
18-44	37	0.9	6.4	$103,696	$94
45-64	193	4.8	4.7	$76,362	$366
65+	232	10.1	5.9	$77,695	$785
Neoplasms: Female Breast (rates for female population)					
Total	12	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	33	0.2	6.4	$74,725	$18
65+	24	1.0	7.7	$81,974	$86
Neoplasms: Lung					
Total	41	0.3	3.2	$46,385	$14

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	202	1.5	4.4	$38,126	$57
65+	84	3.7	5.2	$44,370	$162
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	366	2.7	4.0	$82,090	$224
45-64	134	3.3	3.1	$81,123	$270
65+	221	9.6	4.6	$82,841	$798
Cerebrovascular Disease					
Total	359	2.7	6.1	$57,863	$155
45-64	91	2.3	6.2	$69,627	$158
65+	252	11.0	5.9	$50,347	$553
CHRONIC PULMONARY DISEASE					
Asthma					
Total	32	0.2	3.3	$21,778	$5
<18	2	.	0.0	$0	$0
18-44	8	.	0.0	$0	$0
45-64	16	.	0.0	$0	$0
65+	6	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	252	1.9	4.2	$30,133	$57
45-64	63	1.6	3.9	$29,934	$47
65+	187	8.1	4.3	$30,292	$247
PNEUMONIA and INFLUENZA					
Total	224	1.7	4.3	$32,015	$53
<18	10	.	0.0	$0	$0
45-64	50	1.2	4.2	$34,623	$43
65+	151	6.6	4.3	$30,131	$198

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			134,276
County population rank (1-72)			11
Population per square mile			312
County rank in population density (1-72)			9
Population growth 2013-2017			1,472
County rank in 5-year population growth (1-72)			6

	Female	Male	Total
Total	67,802	66,474	134,276
Age			
0-14	12,201	12,691	24,892
15-17	2,536	2,700	5,236
18-19	1,723	1,749	3,472
20-24	3,377	3,540	6,917
25-44	15,030	15,554	30,584
45-64	20,271	19,955	40,226
65-84	10,700	9,225	19,925
85+	1,964	1,060	3,024
Race/Ethnicity			
White	63,275	62,111	125,386
African American	990	935	1,925
American Indian	238	187	426
Hispanic	2,182	2,271	4,453
Asian	1,116	969	2,086

POVERTY ESTIMATES	**Estimate (%)**	**(CI +/-)**
All ages	5.3%	2%
Ages 0-17	5.4%	2.8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$44,315

LABOR FORCE ESTIMATES	**Annual Average**
Civilian labor force	77,919
Unemployment rate	2.8%
Five-year avg. unemployment rate (2013-2017)	4%
Median household income	$76,551
Rank in median household income (1-72)	4

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	127	188.0	145.8	120.5	175.1
Melanoma	50	37.2	28.6	21.0	38.3
Colorectal	84	62.5	50.4	39.9	63.0
Lung and bronchus	82	61.0	45.8	36.2	57.4
Prostate*	120	179.6	134.4	110.7	162.1
Total	847	630.3	490.0	456.4	525.6

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	0
Babesiosis	0
Blastomycosis	<5
Campylobacter enteritis	16
Cryptosporidiosis	<5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	7
Giardiasis	5
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	53
Legionnaires'	5
Listeriosis	0
Lyme (all stages)	21
N. meningitidis (Meningococcal disease)	<5
Meningitis, other bacterial	<5
Mumps	0
Pertussis	11
Salmonellosis	20
Streptococcal disease (Group A)	7
Streptococcal disease (Group B)	23
Sexually Transmitted Disease	
Chlamydia trachomatis	298
Gonorrhea (all stages)	48
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	842	7
Alcohol-related	46	1
With citation for OWI	30	1
With citation for speeding	63	0
Motorcyclist	54	2
Bicyclist	12	0
Pedestrian	10	2

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	3,865
Crude live birth rate (per 1,000)	9.7
General fertility rate (per 1,000)	57.3

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	101	2.6
Other vaginal	2,660	68.8
Vaginal vacuum	93	2.4
Forceps	35	0.9
Primary cesarean	536	13.9
Repeat cesarean	435	11.3
Cesarean (unk. repeat/primary)	2	0.1
Other/Unknown	3	0.1
Prenatal Care Visits		
No visits	16	0.4
1-4	34	0.9
5-9	310	8.0
10-12	1,196	30.9
13+	2,189	56.6
Unknown	120	3.1
First Prenatal Care Visit		
First trimester	3,301	85.4
Second trimester	345	8.9
Third trimester	82	2.1
No visits	16	0.4
Unknown	121	3.1

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	3,216	83.2
Unmarried	640	16.6
Unknown	9	0.2
Education		
Elementary or less	21	0.5
Some high school	68	1.8
High school graduate	437	11.3
Some college	904	23.4
College graduate	2,416	62.5
Unknown	19	0.5
Smoking		
Smoker	175	4.5
Nonsmoker	3,671	95.0
Unknown	19	0.2

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	43	1.1
1,500-2,499 gm	219	5.7
2,500+ gm	3,603	93.2
Unknown	0	0.0
Birth Order		
First	1,471	38.1
Second	1,391	36.0
Third	659	17.1
Fourth or higher	340	8.8
Unknown	4	0.1
Reported congenital anomalies [1]	18	0.5

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

Trimester of First Prenatal Visit

Race/Ethnicity	All Births Births	All Births %	LBW Births	LBW %	First Births	First %	Second Births	Second %	Other/Unk. Births	Other/Unk. %
White	3,232	83.6	212	6.6	2,827	87.5	242	7.5	163	5.0
Black/African-American	72	1.9	4	5.6	49	68.1	14	19.4	9	12.5
American Indian	3	0.1	0	0.0	2	66.7	1	33.3	0	0.0
Hispanic/Latino	256	6.6	23	9.0	191	74.6	44	17.2	21	8.2
Asian	230	6.0	17	7.4	176	76.5	30	13.0	24	10.4
Two or more races	57	1.5	4	7.0	45	78.9	10	17.5	2	3.5
Other/Unknown	15	0.4	2	13.3	11	73.3	4	26.7	0	0.0

Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	11	.	2	18.2	8	72.7	2	18.2	1	9.1
18-19	34	6.4	4	11.8	24	70.6	8	23.5	2	5.9
20-24	284	27.3	23	8.1	192	67.6	59	20.8	33	11.6
25-29	995	98.7	69	6.9	864	86.8	87	8.7	44	4.4
30-34	1,655	153.4	97	5.9	1,468	88.7	107	6.5	80	4.8
35-39	769	65.7	58	7.5	650	84.5	71	9.2	48	6.2
40+	117	10.1	9	7.7	95	81.2	11	9.4	11	9.4
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	45	3.5								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	30	7.8
Neonatal	16	.
Fetal	14	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	21	5.4
Neonatal	16	.
Postneonatal	5	.
Birthweight		
< 1,500 gm	10	.
1,500-2,499 gm	5	.
2,500+ gm	6	.
Unknown	0	.
Race of Mother		
White	17	.
Black	0	.
Hispanic	3	.
Asian	1	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	3,488	
Crude death rate (per 100,000)	878.2	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	4	.
5-14	3	.
15-19	14	.
20-34	71	112.0
35-54	188	180.7
55-64	314	509.8
65-74	570	1,416.1
75-84	832	3,964.4
85+	1,471	13,627.9
Selected Underlying Causes		
Heart disease (total)	693	174.5
Ischemic heart disease	359	90.4
Cancer (total)	774	194.9
Trachea/Bronchus/Lung	190	47.8
Colorectal	57	14.4
Female breast*	57	14.4
Cerebrovascular disease	159	40.0
Lower respiratory disease	153	38.5
Pneumonia and influenza	87	21.9
Accidents	284	71.5
Motor vehicle	27	6.8
Diabetes	86	21.7
Infectious/Parasitic diseases	59	14.9
Suicide	59	14.9
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	153	38.6
Opioids	62	15.6
Other drugs	13	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	39,798	100.2	4.3	$39,509	$3,959
Age					
<18	5,651	66.3	3.8	$18,031	$1,196
18-44	8,283	68.9	3.7	$26,881	$1,851
45-64	8,065	67.4	4.4	$50,530	$3,407
65+	17,799	247.1	4.7	$47,211	$11,666

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	920	2.3	3.8	$21,123	$49
18-44	375	3.1	3.5	$16,892	$53
45-64	458	3.8	3.9	$23,070	$88
Drug-related					
Total	282	0.7	3.0	$25,531	$18
18-44	124	1.0	2.9	$23,318	$24
MENTAL HEALTH DISORDERS					
Total	2,976	7.5	6.9	$17,010	$127
<18	705	8.3	7.6	$22,059	$182
18-44	1,536	12.8	5.9	$13,474	$172
45-64	552	4.6	7.8	$17,176	$79
65+	183	2.5	9.7	$26,734	$68
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	1,330	3.3	6.0	$83,595	$280
18-44	105	0.9	5.9	$101,223	$88
45-64	482	4.0	5.8	$90,856	$366
65+	723	10.0	5.9	$73,789	$741
Neoplasms: Female Breast (rates for female population)					
Total	41	0.2	3.2	$76,134	$15
Neoplasms: Colorectal					
Total	95	0.2	6.4	$74,269	$18
65+	67	0.9	7.3	$75,772	$70
Neoplasms: Lung					
Total	104	0.3	4.3	$64,167	$17

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	371	0.9	4.7	$37,285	$35
65+	150	2.1	5.8	$43,923	$91
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	1,032	2.6	4.1	$81,882	$213
45-64	345	2.9	3.6	$86,526	$250
65+	668	9.3	4.5	$80,033	$742
Cerebrovascular Disease					
Total	1,062	2.7	6.1	$50,465	$135
45-64	229	1.9	5.5	$58,173	$111
65+	791	11.0	6.3	$46,646	$512
CHRONIC PULMONARY DISEASE					
Asthma					
Total	101	0.3	3.0	$20,138	$5
<18	15	.	0.0	$0	$0
18-44	27	0.2	2.7	$18,607	$4
45-64	27	0.2	2.4	$19,701	$4
65+	32	0.4	3.8	$21,541	$10
Other Chronic Obstructive Pulmonary Disease					
Total	585	1.5	3.7	$23,586	$35
45-64	114	1.0	3.7	$24,375	$23
65+	464	6.4	3.8	$23,280	$150
PNEUMONIA and INFLUENZA					
Total	731	1.8	4.3	$27,396	$50
<18	38	0.4	3.4	$20,378	$9
45-64	104	0.9	3.8	$28,382	$25
65+	545	7.6	4.4	$26,745	$202

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			397,172
County population rank (1-72)			3
Population per square mile			723
County rank in population density (1-72)			2
Population growth 2013-2017			4,478
County rank in 5-year population growth (1-72)			3

	Female	Male	Total
Total	202,492	194,680	397,172
Age			
0-14	33,833	35,282	69,115
15-17	7,654	8,455	16,109
18-19	5,298	5,567	10,865
20-24	10,386	10,968	21,354
25-44	44,111	43,964	88,075
45-64	61,147	58,476	119,623
65-84	33,052	28,185	61,237
85+	7,011	3,783	10,794
Race/Ethnicity			
White	181,195	173,427	354,621
African American	3,436	3,725	7,162
American Indian	529	516	1,045
Hispanic	9,249	9,629	18,877
Asian	8,083	7,383	15,466

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	4.8%	1.2%
Ages 0-17	5%	1.8%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$53,710

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	226,645
Unemployment rate	2.9%
Five-year avg. unemployment rate (2013-2017)	4%
Median household income	$82,627
Rank in median household income (1-72)	2

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	390	192.6	143.4	128.8	159.3
Melanoma	151	37.9	29.1	24.4	34.4
Colorectal	195	49.0	37.3	32.1	43.3
Lung and bronchus	309	77.6	56.4	50.2	63.3
Prostate*	354	180.8	130.6	116.9	145.6
Total	2,549	640.1	483.1	463.8	503.1

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS
Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES
The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	8
Campylobacter enteritis	59
Cryptosporidiosis	17
E.coli, shiga toxin-producing (STEC)	6
Ehrlichiosis/Anaplasmosis	12
Giardiasis	24
Haemophilus influenzae, invasive	9
Influenza-associated hospitalization	149
Legionnaires'	12
Listeriosis	<5
Lyme (all stages)	83
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	15
Mumps	0
Pertussis	46
Salmonellosis	49
Streptococcal disease (Group A)	12
Streptococcal disease (Group B)	37
Sexually Transmitted Disease	
Chlamydia trachomatis	839
Gonorrhea (all stages)	142
Syphilis (all stages)	17

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	2,372	25
Alcohol-related	109	10
With citation for OWI	75	3
With citation for speeding	282	0
Motorcyclist	118	6
Bicyclist	36	1
Pedestrian	38	3

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	505
Crude live birth rate (per 1,000)	9.7
General fertility rate (per 1,000)	63.9

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	9	1.8
Other vaginal	339	67.1
Vaginal vacuum	21	4.2
Forceps	0	0.0
Primary cesarean	69	13.7
Repeat cesarean	66	13.1
Cesarean (unk. repeat/primary)	1	0.2
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	0	0.0
1-4	8	1.6
5-9	63	12.5
10-12	167	33.1
13+	262	51.9
Unknown	5	1.0
First Prenatal Care Visit		
First trimester	407	80.6
Second trimester	72	14.3
Third trimester	20	4.0
No visits	0	0.0
Unknown	6	1.2

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	326	64.6
Unmarried	177	35.0
Unknown	2	0.4
Education		
Elementary or less	21	4.2
Some high school	26	5.1
High school graduate	170	33.7
Some college	172	34.1
College graduate	114	22.6
Unknown	2	0.4
Smoking		
Smoker	87	17.2
Nonsmoker	414	82.0
Unknown	4	0.4

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	2	0.4
1,500-2,499 gm	24	4.8
2,500+ gm	476	94.3
Unknown	3	0.6
Birth Order		
First	175	34.7
Second	183	36.2
Third	89	17.6
Fourth or higher	52	10.3
Unknown	6	1.2
Reported congenital anomalies [1]	2	0.4

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	466	92.3	23	4.9	383	82.2	59	12.7	24	5.2
Black/African-American	2	0.4	0	0.0	1	50.0	1	50.0	0	0.0
American Indian	3	0.6	0	0.0	1	33.3	2	66.7	0	0.0
Hispanic/Latino	24	4.8	3	12.5	14	58.3	8	33.3	2	8.3
Asian	2	0.4	0	0.0	2	100.0	0	0.0	0	0.0
Two or more races	7	1.4	0	0.0	6	85.7	1	14.3	0	0.0
Other/Unknown	1	0.2	0	0.0	0	0.0	1	100.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	1	.	0	0.0	1	100.0	0	0.0	0	0.0
18-19	17	.	0	0.0	12	70.6	4	23.5	1	5.9
20-24	106	86.8	10	9.4	85	80.2	17	16.0	4	3.8
25-29	207	177.7	8	3.9	166	80.2	33	15.9	8	3.9
30-34	120	94.0	5	4.2	101	84.2	10	8.3	9	7.5
35-39	43	30.3	3	7.0	34	79.1	5	11.6	4	9.3
40+	11	.	0	0.0	8	72.7	3	27.3	0	0.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	18	12.4								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	5	.
Neonatal	1	.
Fetal	4	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	2	.
Neonatal	1	.
Postneonatal	1	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	1	.
Unknown	1	.
Race of Mother		
White	2	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	777	
Crude death rate (per 100,000)	1,493.2	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	2	.
15-19	3	.
20-34	13	.
35-54	41	325.1
55-64	57	693.3
65-74	159	2,542.8
75-84	192	5,200.4
85+	307	14,292.4
Selected Underlying Causes		
Heart disease (total)	164	315.2
Ischemic heart disease	94	180.6
Cancer (total)	161	309.4
Trachea/Bronchus/Lung	31	59.6
Colorectal	19	.
Female breast*	9	.
Cerebrovascular disease	33	63.4
Lower respiratory disease	57	109.5
Pneumonia and influenza	12	.
Accidents	46	88.4
Motor vehicle	15	.
Diabetes	15	.
Infectious/Parasitic diseases	12	.
Suicide	12	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	27	51.5
Opioids	3	.
Other drugs	2	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	5,531	106.3	3.8	$25,413	$2,701
Age					
<18	828	81.0	3.7	$17,657	$1,431
18-44	1,112	76.5	3.2	$18,330	$1,402
45-64	1,207	79.4	4.1	$35,233	$2,799
65+	2,384	197.1	4.0	$26,439	$5,212

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	92	1.8	2.9	$11,431	$20
18-44	27	1.9	2.7	$7,470	$14
45-64	56	3.7	3.0	$13,748	$51
Drug-related					
Total	27	0.5	3.5	$21,285	$11
18-44	17	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	328	6.3	5.8	$10,339	$65
<18	98	9.6	6.2	$11,386	$109
18-44	165	11.4	5.1	$8,743	$99
45-64	41	2.7	7.0	$12,307	$33
65+	24	2.0	7.3	$13,672	$27
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	182	3.5	5.7	$55,117	$193
18-44	12	.	0.0	$0	$0
45-64	65	4.3	4.8	$56,672	$242
65+	105	8.7	6.4	$52,279	$454
Neoplasms: Female Breast (rates for female population)					
Total	3	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	12	.	0.0	$0	$0
65+	8	.	0.0	$0	$0
Neoplasms: Lung					
Total	28	0.5	4.9	$28,823	$16

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	82	1.6	2.9	$15,431	$24
65+	18	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	172	3.3	3.7	$46,674	$154
45-64	69	4.5	3.1	$45,820	$208
65+	100	8.3	4.2	$48,050	$397
Cerebrovascular Disease					
Total	179	3.4	4.5	$28,462	$98
45-64	51	3.4	5.4	$31,666	$106
65+	117	9.7	3.7	$22,566	$218
CHRONIC PULMONARY DISEASE					
Asthma					
Total	11	.	0.0	$0	$0
<18	6	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	3	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	67	1.3	2.7	$9,716	$13
45-64	15	.	0.0	$0	$0
65+	49	4.1	2.5	$7,149	$29
PNEUMONIA and INFLUENZA					
Total	132	2.5	3.9	$15,007	$38
<18	7	.	0.0	$0	$0
45-64	25	1.6	4.0	$20,627	$34
65+	97	8.0	3.8	$11,912	$96

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		52,037
County population rank (1-72)		28
Population per square mile		70
County rank in population density (1-72)		28
Population growth 2013-2017		-324
County rank in 5-year population growth (1-72)		69

	Female	Male	Total
Total	25,551	26,486	52,037
Age			
0-14	4,113	4,339	8,452
15-17	832	933	1,765
18-19	618	639	1,257
20-24	1,221	1,298	2,519
25-44	5,238	5,521	10,759
45-64	7,549	7,643	15,192
65-84	4,811	5,134	9,945
85+	1,169	979	2,148
Race/Ethnicity			
White	24,375	25,130	49,505
African American	125	239	364
American Indian	149	174	323
Hispanic	753	846	1,599
Asian	149	97	245

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	10.6%	3.4%
Ages 0-17	16.1%	6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$37,408

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	26,663
Unemployment rate	3.2%
Five-year avg. unemployment rate (2013-2017)	4.94%
Median household income	$58,474
Rank in median household income (1-72)	23

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	38	150.2	108.7	75.0	153.5
Melanoma	21	40.9	34.9	20.9	54.9
Colorectal	27	52.6	35.7	23.0	53.8
Lung and bronchus	37	72.0	44.5	31.1	62.9
Prostate*	36	138.2	86.2	59.8	122.6
Total	302	588.1	413.6	365.7	466.6

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	6
Babesiosis	<5
Blastomycosis	<5
Campylobacter enteritis	13
Cryptosporidiosis	13
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	7
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	20
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	55
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	<5
Salmonellosis	14
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	6
Sexually Transmitted Disease	
Chlamydia trachomatis	130
Gonorrhea (all stages)	8
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	255	8
Alcohol-related	33	2
With citation for OWI	20	0
With citation for speeding	44	0
Motorcyclist	22	0
Bicyclist	3	0
Pedestrian	1	1

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Births (2017 data)   **Waushara County**

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	222
Crude live birth rate (per 1,000)	9.1
General fertility rate (per 1,000)	67.0

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	4	1.8
Other vaginal	145	65.3
Vaginal vacuum	8	3.6
Forceps	0	0.0
Primary cesarean	34	15.3
Repeat cesarean	31	14.0
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	0	0.0
1-4	3	1.4
5-9	51	23.0
10-12	74	33.3
13+	87	39.2
Unknown	7	3.2
First Prenatal Care Visit		
First trimester	150	67.6
Second trimester	49	22.1
Third trimester	13	5.9
No visits	0	0.0
Unknown	10	4.5

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	151	68.0
Unmarried	71	32.0
Unknown	0	0.0
Education		
Elementary or less	25	11.3
Some high school	24	10.8
High school graduate	64	28.8
Some college	60	27.0
College graduate	49	22.1
Unknown	0	0.0
Smoking		
Smoker	37	16.7
Nonsmoker	184	82.9
Unknown	1	0.0

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	4	1.8
1,500-2,499 gm	14	6.3
2,500+ gm	204	91.9
Unknown	0	0.0
Birth Order		
First	67	30.2
Second	71	32.0
Third	48	21.6
Fourth or higher	36	16.2
Unknown	0	0.0
Reported congenital anomalies [1]	2	0.9

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	185	83.3	17	9.2	125	67.6	40	21.6	20	10.8
Black/African-American	1	0.5	0	0.0	1	100.0	0	0.0	0	0.0
American Indian	1	0.5	0	0.0	1	100.0	0	0.0	0	0.0
Hispanic/Latino	29	13.1	1	3.4	18	62.1	8	27.6	3	10.3
Asian	3	1.4	0	0.0	2	66.7	1	33.3	0	0.0
Two or more races	3	1.4	0	0.0	3	100.0	0	0.0	0	0.0
Other/Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	2	.	0	0.0	1	50.0	1	50.0	0	0.0
18-19	8	.	2	25.0	4	50.0	2	25.0	2	25.0
20-24	43	89.2	1	2.3	26	60.5	10	23.3	7	16.3
25-29	88	182.2	5	5.7	60	68.2	25	28.4	3	3.4
30-34	57	104.2	4	7.0	43	75.4	8	14.0	6	10.5
35-39	20	33.5	6	30.0	13	65.0	3	15.0	4	20.0
40+	4	.	0	0.0	3	75.0	0	0.0	1	25.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	10	15.9								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	1	.
Neonatal	0	.
Fetal	1	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	0	.
Neonatal	0	.
Postneonatal	0	.
Birthweight		
< 1,500 gm	0	.
1,500-2,499 gm	0	.
2,500+ gm	0	.
Unknown	0	.
Race of Mother		
White	0	.
Black	0	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	288	
Crude death rate (per 100,000)	1,176.7	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	0	.
5-14	0	.
15-19	0	.
20-34	3	.
35-54	11	.
55-64	42	958.2
65-74	65	1,964.9
75-84	74	4,399.5
85+	93	14,418.6
Selected Underlying Causes		
Heart disease (total)	87	355.5
Ischemic heart disease	60	245.1
Cancer (total)	76	310.5
Trachea/Bronchus/Lung	23	94.0
Colorectal	4	.
Female breast*	0	.
Cerebrovascular disease	7	.
Lower respiratory disease	18	.
Pneumonia and influenza	8	.
Accidents	10	.
Motor vehicle	2	.
Diabetes	3	.
Infectious/Parasitic diseases	2	.
Suicide	5	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	9	.
Opioids	2	.
Other drugs	1	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	2,168	88.6	4.3	$33,167	$2,938
Age					
<18	266	60.8	4.3	$24,183	$1,470
18-44	355	52.4	3.4	$18,780	$984
45-64	592	77.0	4.6	$41,778	$3,216
65+	955	169.5	4.4	$35,681	$6,047

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	31	1.3	3.2	$16,019	$20
18-44	10	.	0.0	$0	$0
45-64	19	.	0.0	$0	$0
Drug-related					
Total	7	.	0.0	$0	$0
18-44	2	.	0.0	$0	$0
MENTAL HEALTH DISORDERS					
Total	101	4.1	6.2	$10,809	$45
<18	29	6.6	5.8	$10,869	$72
18-44	40	5.9	4.2	$7,247	$43
45-64	29	3.8	9.4	$15,925	$60
65+	3	.	0.0	$0	$0
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	88	3.6	6.1	$60,633	$218
18-44	1	.	0.0	$0	$0
45-64	42	5.5	6.3	$63,136	$345
65+	45	8.0	6.1	$58,881	$470
Neoplasms: Female Breast (rates for female population)					
Total	0	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	10	.	0.0	$0	$0
65+	7	.	0.0	$0	$0
Neoplasms: Lung					
Total	7	.	0.0	$0	$0

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	33	1.3	3.0	$19,219	$26
65+	7	.	0.0	$0	$0
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	75	3.1	4.3	$58,241	$178
45-64	29	3.8	3.4	$57,592	$217
65+	44	7.8	4.9	$59,700	$466
Cerebrovascular Disease					
Total	62	2.5	4.9	$35,608	$90
45-64	26	3.4	5.8	$37,000	$125
65+	33	5.9	4.1	$30,270	$177
CHRONIC PULMONARY DISEASE					
Asthma					
Total	2	.	0.0	$0	$0
<18	1	.	0.0	$0	$0
18-44	0	.	0.0	$0	$0
45-64	0	.	0.0	$0	$0
65+	1	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	55	2.2	3.6	$13,895	$31
45-64	10	.	0.0	$0	$0
65+	45	8.0	3.8	$14,578	$116
PNEUMONIA and INFLUENZA					
Total	57	2.3	3.9	$18,188	$42
<18	4	.	0.0	$0	$0
45-64	10	.	0.0	$0	$0
65+	42	7.5	4.0	$18,539	$138

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

Waushara County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		24,476
County population rank (1-72)		47
Population per square mile		39
County rank in population density (1-72)		41
Population growth 2013-2017		35
County rank in 5-year population growth (1-72)		41

	Female	Male	Total
Total	11,553	12,923	24,476
Age			
0-14	1,798	1,798	3,596
15-17	382	398	780
18-19	246	306	552
20-24	482	647	1,129
25-44	2,204	2,889	5,093
45-64	3,599	4,092	7,691
65-84	2,449	2,541	4,990
85+	393	252	645
Race/Ethnicity			
White	10,500	11,473	21,973
African American	81	498	579
American Indian	59	77	136
Hispanic	825	818	1,643
Asian	88	57	145

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	12.2%	4.8%
Ages 0-17	19.3%	9.4%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$33,360

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	11,442
Unemployment rate	4%
Five-year avg. unemployment rate (2013-2017)	6.2%
Median household income	$47,653
Rank in median household income (1-72)	58

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	20	175.3	115.4	67.3	189.9
Melanoma	6	24.9	14.4	5.2	36.5
Colorectal	14	58.0	34.2	18.2	62.0
Lung and bronchus	29	120.2	66.5	44.3	99.5
Prostate*	17	133.6	78.7	45.3	134.0
Total	163	675.5	413.6	348.9	488.7

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	0
Blastomycosis	0
Campylobacter enteritis	9
Cryptosporidiosis	5
E.coli, shiga toxin-producing (STEC)	0
Ehrlichiosis/Anaplasmosis	<5
Giardiasis	<5
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	6
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	20
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	0
Mumps	0
Pertussis	0
Salmonellosis	<5
Streptococcal disease (Group A)	<5
Streptococcal disease (Group B)	<5
Sexually Transmitted Disease	
Chlamydia trachomatis	41
Gonorrhea (all stages)	<5
Syphilis (all stages)	<5

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	130	7
Alcohol-related	26	3
With citation for OWI	4	0
With citation for speeding	24	0
Motorcyclist	15	0
Bicyclist	1	0
Pedestrian	1	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births		1,833
Crude live birth rate (per 1,000)		10.8
General fertility rate (per 1,000)		56.6

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	55	3.0
Other vaginal	1,185	64.6
Vaginal vacuum	64	3.5
Forceps	3	0.2
Primary cesarean	287	15.7
Repeat cesarean	231	12.6
Cesarean (unk. repeat/primary)	4	0.2
Other/Unknown	4	0.2
Prenatal Care Visits		
No visits	4	0.2
1-4	27	1.5
5-9	151	8.2
10-12	541	29.5
13+	1,067	58.2
Unknown	43	2.3
First Prenatal Care Visit		
First trimester	1,534	83.7
Second trimester	215	11.7
Third trimester	51	2.8
No visits	4	0.2
Unknown	29	1.6

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	1,222	66.7
Unmarried	605	33.0
Unknown	6	0.3
Education		
Elementary or less	28	1.5
Some high school	92	5.0
High school graduate	475	25.9
Some college	558	30.4
College graduate	672	36.7
Unknown	8	0.4
Smoking		
Smoker	263	14.3
Nonsmoker	1,557	84.9
Unknown	13	0.3

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	20	1.1
1,500-2,499 gm	108	5.9
2,500+ gm	1,705	93.0
Unknown	0	0.0
Birth Order		
First	669	36.5
Second	621	33.9
Third	302	16.5
Fourth or higher	239	13.0
Unknown	2	0.1
Reported congenital anomalies [1]	5	0.3

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	1,514	82.6	98	6.5	1,303	86.1	150	9.9	61	4.0
Black/African-American	64	3.5	8	12.5	39	60.9	15	23.4	10	15.6
American Indian	10	0.5	1	10.0	9	90.0	0	0.0	1	10.0
Hispanic/Latino	114	6.2	10	8.8	84	73.7	22	19.3	8	7.0
Asian	95	5.2	10	10.5	75	78.9	19	20.0	1	1.1
Two or more races	28	1.5	1	3.6	18	64.3	7	25.0	3	10.7
Other/Unknown	8	0.4	0	0.0	6	75.0	2	25.0	0	0.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	1	--	0	0.0	1	100.0	0	0.0	0	0.0
15-17	13	.	0	0.0	8	61.5	4	30.8	1	7.7
18-19	41	18.2	4	9.8	30	73.2	4	9.8	7	17.1
20-24	321	44.8	30	9.3	242	75.4	61	19.0	18	5.6
25-29	625	121.5	30	4.8	533	85.3	67	10.7	25	4.0
30-34	572	116.8	44	7.7	492	86.0	58	10.1	22	3.8
35-39	230	46.6	16	7.0	202	87.8	20	8.7	8	3.5
40+	30	6.6	4	13.3	26	86.7	1	3.3	3	10.0
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	55	9.6								

Header for right section: **Trimester of First Prenatal Visit**

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	13	.
Neonatal	6	.
Fetal	7	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	8	.
Neonatal	6	.
Postneonatal	2	.
Birthweight		
< 1,500 gm	4	.
1,500-2,499 gm	1	.
2,500+ gm	3	.
Unknown	0	.
Race of Mother		
White	7	.
Black	1	.
Hispanic	0	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	1,494	
Crude death rate (per 100,000)	881.5	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	3	.
5-14	1	.
15-19	4	.
20-34	37	102.9
35-54	112	264.5
55-64	156	675.1
65-74	281	1,846.4
75-84	340	4,313.6
85+	552	13,918.3
Selected Underlying Causes		
Heart disease (total)	303	178.8
Ischemic heart disease	158	93.2
Cancer (total)	299	176.4
Trachea/Bronchus/Lung	84	49.6
Colorectal	28	16.5
Female breast*	17	.
Cerebrovascular disease	65	38.4
Lower respiratory disease	107	63.1
Pneumonia and influenza	24	14.2
Accidents	93	54.9
Motor vehicle	11	.
Diabetes	38	22.4
Infectious/Parasitic diseases	27	15.9
Suicide	25	14.8
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	68	39.9
Opioids	22	13.0
Other drugs	12	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	14,438	85.2	3.9	$27,283	$2,324
Age					
<18	2,594	71.0	3.6	$15,548	$1,104
18-44	3,450	56.9	3.2	$15,608	$888
45-64	3,363	74.3	4.2	$37,697	$2,802
65+	5,031	185.9	4.2	$34,377	$6,390

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	436	2.6	3.2	$11,933	$31
18-44	157	2.6	2.7	$9,539	$25
45-64	245	5.4	3.4	$12,683	$69
Drug-related					
Total	94	0.6	4.3	$22,132	$12
18-44	39	0.6	4.5	$20,670	$13
MENTAL HEALTH DISORDERS					
Total	1,224	7.2	5.7	$10,717	$77
<18	357	9.8	6.0	$11,302	$110
18-44	594	9.8	5.1	$9,374	$92
45-64	229	5.1	6.4	$11,994	$61
65+	44	1.6	9.3	$17,459	$28
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	415	2.4	5.6	$60,200	$147
18-44	31	0.5	5.3	$87,538	$45
45-64	158	3.5	5.6	$62,128	$217
65+	216	8.0	5.5	$52,541	$419
Neoplasms: Female Breast (rates for female population)					
Total	5	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	43	0.3	5.7	$42,278	$11
65+	28	1.0	6.4	$42,801	$44
Neoplasms: Lung					
Total	60	0.4	5.9	$53,194	$19

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	201	1.2	4.0	$25,200	$30
65+	81	3.0	4.5	$25,723	$77
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	353	2.1	3.7	$55,778	$116
45-64	126	2.8	3.1	$53,660	$149
65+	218	8.1	4.1	$56,682	$457
Cerebrovascular Disease					
Total	375	2.2	5.1	$35,848	$79
45-64	103	2.3	5.5	$40,358	$92
65+	253	9.3	5.0	$32,813	$307
CHRONIC PULMONARY DISEASE					
Asthma					
Total	30	0.2	2.5	$12,932	$2
<18	8	.	0.0	$0	$0
18-44	6	.	0.0	$0	$0
45-64	14	.	0.0	$0	$0
65+	2	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	194	1.1	3.4	$16,752	$19
45-64	49	1.1	3.1	$15,882	$17
65+	143	5.3	3.5	$16,968	$90
PNEUMONIA and INFLUENZA					
Total	206	1.2	3.5	$16,947	$21
<18	17	.	0.0	$0	$0
45-64	42	0.9	3.3	$18,133	$17
65+	135	5.0	3.7	$17,100	$85

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

Winnebago County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		169,484
County population rank (1-72)		7
Population per square mile		390
County rank in population density (1-72)		7
Population growth 2013-2017		945
County rank in 5-year population growth (1-72)		12

	Female	Male	Total
Total	84,048	85,436	169,484
Age			
0-14	14,505	15,164	29,669
15-17	3,464	3,383	6,847
18-19	2,256	2,233	4,489
20-24	7,162	7,184	14,346
25-44	19,491	22,327	41,818
45-64	22,243	23,005	45,248
65-84	12,294	10,807	23,101
85+	2,633	1,333	3,966
Race/Ethnicity			
White	76,066	75,951	152,017
African American	1,546	2,750	4,296
American Indian	447	609	1,056
Hispanic	3,324	3,597	6,921
Asian	2,665	2,529	5,193

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	11.1%	2.8%
Ages 0-17	12.7%	5%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$50,732

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	93,837
Unemployment rate	3%
Five-year avg. unemployment rate (2013-2017)	4.48%
Median household income	$57,529
Rank in median household income (1-72)	27

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	127	150.8	125.2	103.6	150.2
Melanoma	54	31.8	27.6	20.5	36.4
Colorectal	67	39.5	32.2	24.8	41.3
Lung and bronchus	121	71.4	58.2	48.1	70.0
Prostate*	118	138.2	113.6	93.6	136.9
Total	936	552.0	462.6	432.6	494.3

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	<5
Babesiosis	<5
Blastomycosis	<5
Campylobacter enteritis	29
Cryptosporidiosis	12
E.coli, shiga toxin-producing (STEC)	9
Ehrlichiosis/Anaplasmosis	11
Giardiasis	14
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	63
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	22
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	0
Pertussis	8
Salmonellosis	21
Streptococcal disease (Group A)	11
Streptococcal disease (Group B)	19
Sexually Transmitted Disease	
Chlamydia trachomatis	660
Gonorrhea (all stages)	104
Syphilis (all stages)	14

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	1,417	9
Alcohol-related	105	3
With citation for OWI	73	0
With citation for speeding	101	0
Motorcyclist	72	0
Bicyclist	35	0
Pedestrian	41	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	843
Crude live birth rate (per 1,000)	11.3
General fertility rate (per 1,000)	69.4

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	25	3.0
Other vaginal	565	67.0
Vaginal vacuum	26	3.1
Forceps	1	0.1
Primary cesarean	121	14.4
Repeat cesarean	105	12.5
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	0	0.0
Prenatal Care Visits		
No visits	3	0.4
1-4	34	4.0
5-9	149	17.7
10-12	339	40.2
13+	312	37.0
Unknown	6	0.7
First Prenatal Care Visit		
First trimester	656	77.8
Second trimester	134	15.9
Third trimester	41	4.9
No visits	3	0.4
Unknown	9	1.1

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	522	61.9
Unmarried	320	38.0
Unknown	1	0.1
Education		
Elementary or less	20	2.4
Some high school	43	5.1
High school graduate	228	27.0
Some college	318	37.7
College graduate	228	27.0
Unknown	6	0.7
Smoking		
Smoker	156	18.5
Nonsmoker	684	81.1
Unknown	3	0.1

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	11	1.3
1,500-2,499 gm	54	6.4
2,500+ gm	777	92.2
Unknown	1	0.1
Birth Order		
First	288	34.2
Second	291	34.5
Third	138	16.4
Fourth or higher	125	14.8
Unknown	1	0.1
Reported congenital anomalies [1]	4	0.5

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		First		Second		Other/Unk.	
Race/Ethnicity	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
White	751	89.1	57	7.6	595	79.2	109	14.5	47	6.3
Black/African-American	5	0.6	2	40.0	5	100.0	0	0.0	0	0.0
American Indian	10	1.2	0	0.0	7	70.0	2	20.0	1	10.0
Hispanic/Latino	34	4.0	1	2.9	22	64.7	9	26.5	3	8.8
Asian	27	3.2	1	3.7	20	74.1	7	25.9	0	0.0
Two or more races	13	1.5	4	30.8	7	53.8	5	38.5	1	7.7
Other/Unknown	3	0.4	0	0.0	0	0.0	2	66.7	1	33.3
		Fertility								
Age	**Births**	**(per 1,000)**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
< 15	0	--	0	0.0	0	0.0	0	0.0	0	0.0
15-17	4	.	0	0.0	0	0.0	3	75.0	1	25.0
18-19	37	41.4	7	18.9	27	73.0	6	16.2	4	10.8
20-24	177	93.2	15	8.5	128	72.3	33	18.6	16	9.0
25-29	285	142.9	16	5.6	228	80.0	43	15.1	14	4.9
30-34	243	114.3	18	7.4	199	81.9	36	14.8	8	3.3
35-39	75	36.1	5	6.7	56	74.7	11	14.7	8	10.7
40+	22	11.5	4	18.2	18	81.8	2	9.1	2	9.1
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	41	19.2								

Trimester of First Prenatal Visit headings: First / Second / Other/Unk.

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	12	.
Neonatal	6	.
Fetal	6	.

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	9	.
Neonatal	6	.
Postneonatal	3	.
Birthweight		
< 1,500 gm	4	.
1,500-2,499 gm	2	.
2,500+ gm	3	.
Unknown	0	.
Race of Mother		
White	7	.
Black	1	.
Hispanic	1	.
Asian	0	.
Other/Unknown	0	.

TOTAL DEATHS

Total deaths	815	
Crude death rate (per 100,000)	1,093.8	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	1	.
5-14	0	.
15-19	2	.
20-34	14	.
35-54	56	309.6
55-64	82	707.8
65-74	142	1,713.1
75-84	203	4,321.9
85+	306	13,821.1
Selected Underlying Causes		
Heart disease (total)	166	222.8
Ischemic heart disease	80	107.4
Cancer (total)	185	248.3
Trachea/Bronchus/Lung	51	68.4
Colorectal	15	.
Female breast*	13	.
Cerebrovascular disease	40	53.7
Lower respiratory disease	36	48.3
Pneumonia and influenza	24	32.2
Accidents	50	67.1
Motor vehicle	9	.
Diabetes	17	.
Infectious/Parasitic diseases	19	.
Suicide	9	.
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	31	42.0
Opioids	5	.
Other drugs	3	.

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	9,902	132.9	4.1	$30,053	$3,994
Age					
<18	1,355	86.9	3.4	$16,988	$1,477
18-44	1,994	90.1	3.6	$19,238	$1,734
45-64	2,319	107.4	4.4	$37,310	$4,005
65+	4,234	278.6	4.4	$35,352	$9,847

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	193	2.6	3.7	$17,013	$44
18-44	80	3.6	2.9	$10,850	$39
45-64	105	4.9	4.3	$21,320	$104
Drug-related					
Total	54	0.7	3.0	$23,193	$17
18-44	28	1.3	2.5	$20,047	$25
MENTAL HEALTH DISORDERS					
Total	534	7.2	7.9	$12,683	$91
<18	124	8.0	7.5	$12,093	$96
18-44	270	12.2	7.6	$11,234	$137
45-64	100	4.6	8.1	$12,624	$58
65+	40	2.6	10.9	$24,438	$64
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	332	4.5	6.1	$52,140	$232
18-44	17	.	0.0	$0	$0
45-64	132	6.1	6.0	$51,510	$315
65+	178	11.7	5.9	$48,724	$571
Neoplasms: Female Breast (rates for female population)					
Total	3	.	0.0	$0	$0
Neoplasms: Colorectal					
Total	33	0.4	7.5	$46,963	$21
65+	20	1.3	7.7	$49,085	$65
Neoplasms: Lung					
Total	30	0.4	5.5	$41,516	$17

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	144	1.9	5.2	$35,978	$70
65+	48	3.2	6.7	$52,532	$166
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	391	5.2	4.1	$65,210	$342
45-64	121	5.6	3.3	$70,913	$397
65+	258	17.0	4.5	$62,854	$1,067
Cerebrovascular Disease					
Total	245	3.3	6.1	$46,864	$154
45-64	57	2.6	7.3	$56,963	$150
65+	180	11.8	5.4	$41,257	$489
CHRONIC PULMONARY DISEASE					
Asthma					
Total	26	0.3	2.2	$12,109	$4
<18	13	.	0.0	$0	$0
18-44	4	.	0.0	$0	$0
45-64	5	.	0.0	$0	$0
65+	4	.	0.0	$0	$0
Other Chronic Obstructive Pulmonary Disease					
Total	203	2.7	3.3	$19,073	$52
45-64	75	3.5	2.9	$17,822	$62
65+	126	8.3	3.6	$19,923	$165
PNEUMONIA and INFLUENZA					
Total	235	3.2	4.1	$20,761	$65
<18	18	.	0.0	$0	$0
45-64	55	2.5	4.9	$26,424	$67
65+	146	9.6	4.0	$18,990	$182

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data) — Wood County

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		74,514
County population rank (1-72)		22
Population per square mile		94
County rank in population density (1-72)		22
Population growth 2013-2017		15
County rank in 5-year population growth (1-72)		47

	Female	Male	Total
Total	37,847	36,667	74,514
Age			
0-14	6,360	6,641	13,001
15-17	1,241	1,345	2,586
18-19	893	964	1,857
20-24	1,899	2,005	3,904
25-44	8,120	8,244	16,364
45-64	10,989	10,613	21,602
65-84	6,901	6,085	12,986
85+	1,444	770	2,214
Race/Ethnicity			
White	35,307	34,018	69,325
African American	391	484	875
American Indian	316	278	595
Hispanic	1,075	1,166	2,240
Asian	758	721	1,479

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	10.7%	3.6%
Ages 0-17	13.9%	6.6%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$43,937

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	35,107
Unemployment rate	3.7%
Five-year avg. unemployment rate (2013-2017)	5.58%
Median household income	$53,346
Rank in median household income (1-72)	42

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	47	126.5	87.3	62.7	119.2
Melanoma	17	23.2	16.2	9.2	27.1
Colorectal	28	38.3	27.5	17.8	41.0
Lung and bronchus	77	105.2	68.2	53.6	86.2
Prostate*	47	130.4	84.7	61.9	114.5
Total	434	592.9	406.8	367.9	449.0

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	14
Babesiosis	<5
Blastomycosis	<5
Campylobacter enteritis	24
Cryptosporidiosis	5
E.coli, shiga toxin-producing (STEC)	<5
Ehrlichiosis/Anaplasmosis	6
Giardiasis	10
Haemophilus influenzae, invasive	<5
Influenza-associated hospitalization	65
Legionnaires'	<5
Listeriosis	0
Lyme (all stages)	46
N. meningitidis (Meningococcal disease)	<5
Meningitis, other bacterial	0
Mumps	0
Pertussis	19
Salmonellosis	20
Streptococcal disease (Group A)	6
Streptococcal disease (Group B)	5
Sexually Transmitted Disease	
Chlamydia trachomatis	238
Gonorrhea (all stages)	36
Syphilis (all stages)	0

Motor Vehicle Crashes (2017 data)

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	324	11
Alcohol-related	28	5
With citation for OWI	20	1
With citation for speeding	34	0
Motorcyclist	13	3
Bicyclist	5	0
Pedestrian	5	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	13,671
Crude live birth rate (per 1,000)	11.0
General fertility rate (per 1,000)	62.1

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	330	2.4
Other vaginal	9,122	66.7
Vaginal vacuum	511	3.7
Forceps	42	0.3
Primary cesarean	2,079	15.2
Repeat cesarean	1,569	11.5
Cesarean (unk. repeat/primary)	10	0.1
Other/Unknown	8	0.1
Prenatal Care Visits		
No visits	53	0.4
1-4	209	1.5
5-9	1,622	11.9
10-12	4,099	30.0
13+	7,447	54.5
Unknown	241	1.8
First Prenatal Care Visit		
First trimester	11,003	80.5
Second trimester	1,899	13.9
Third trimester	488	3.6
No visits	53	0.4
Unknown	228	1.7

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	8,866	64.9
Unmarried	4,759	34.8
Unknown	46	0.3
Education		
Elementary or less	337	2.5
Some high school	889	6.5
High school graduate	3,569	26.1
Some college	4,322	31.6
College graduate	4,501	32.9
Unknown	53	0.4
Smoking		
Smoker	1,787	13.1
Nonsmoker	11,822	86.5
Unknown	62	0.3

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	156	1.1
1,500-2,499 gm	795	5.8
2,500+ gm	12,713	93.0
Unknown	7	0.1
Birth Order		
First	4,801	35.1
Second	4,514	33.0
Third	2,521	18.4
Fourth or higher	1,823	13.3
Unknown	12	0.1
Reported congenital anomalies [1]	73	0.5

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES   **Trimester of First Prenatal Visit**

Race/Ethnicity	All Births Births	%	LBW Births	%	First Births	%	Second Births	%	Other/Unk. Births	%
White	10,855	79.4	728	6.7	9,055	83.4	1,261	11.6	539	5.0
Black/African-American	366	2.7	44	12.0	227	62.0	92	25.1	47	12.8
American Indian	358	8.4	27	2.4	245	68.4	87	24.3	26	7.3
Hispanic/Latino	1,147	2.6	96	26.8	833	72.6	221	19.3	93	8.1
Asian	639	4.7	32	5.0	431	67.4	178	27.9	30	4.7
Two or more races	234	1.7	15	6.4	171	73.1	44	18.8	19	8.1
Other/Unknown	72	0.5	9	12.5	41	56.9	16	22.2	15	20.8

Age	Births	Fertility (per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	3	--	0	0.0	2	66.7	0	0.0	1	33.3
15-17	134	5.8	0	9.7	72	53.7	44	32.8	18	13.4
18-19	417	27.4	15	8.2	291	69.8	90	21.6	36	8.6
20-24	2,466	68.4	82	6.9	1,831	74.2	458	18.6	177	7.2
25-29	4,610	127.4	101	6.0	3,785	82.1	613	13.3	212	4.6
30-34	4,160	111.0	81	7.0	3,492	83.9	462	11.1	206	5.0
35-39	1,614	42.8	41	8.7	1,331	82.5	183	11.3	100	6.2
40+	267	7.8	11	8.6	199	74.5	49	18.4	19	7.1
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	554	14.5								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	99	7.2
Neonatal	41	1.7
Fetal	58	4.2

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	64	4.7
Neonatal	41	3.0
Postneonatal	23	1.7
Birthweight		
< 1,500 gm	32	210.5
1,500-2,499 gm	8	.
2,500+ gm	22	1.7
Unknown	1	.
Race of Mother		
White	44	4.1
Black	7	.
Hispanic	5	.
Asian	2	.
Other/Unknown	5	.

TOTAL DEATHS

Total deaths	11,882	
Crude death rate (per 100,000)	953.8	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	11	.
5-14	28	18.0
15-19	35	44.3
20-34	257	113.7
35-54	775	244.9
55-64	1,272	697.8
65-74	2,115	1,706.1
75-84	2,840	4,515.5
85+	4,485	15,105.1
Selected Underlying Causes		
Heart disease (total)	2,696	216.4
Ischemic heart disease	1,560	125.2
Cancer (total)	2,467	198.0
Trachea/Bronchus/Lung	605	48.6
Colorectal	198	15.9
Female breast*	148	11.9
Cerebrovascular disease	570	45.8
Lower respiratory disease	701	56.3
Pneumonia and influenza	218	17.5
Accidents	709	56.9
Motor vehicle	144	11.6
Diabetes	315	25.3
Infectious/Parasitic diseases	193	15.5
Suicide	217	17.4
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	572	45.9
Opioids	128	10.3
Other drugs	48	3.9

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	116,909	93.8	3.9	$30,398	$2,853
Age					
<18	19,725	72.3	3.7	$16,673	$1,205
18-44	26,730	65.9	3.4	$19,389	$1,278
45-64	27,287	77.8	4.2	$41,133	$3,198
65+	43,167	199.3	4.1	$36,701	$7,316

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	2,587	2.1	3.5	$14,597	$30
18-44	902	2.2	3.1	$10,787	$24
45-64	1,454	4.1	3.7	$15,968	$66
Drug-related					
Total	777	0.6	3.0	$20,698	$13
18-44	364	0.9	2.7	$19,660	$18
MENTAL HEALTH DISORDERS					
Total	9,262	7.4	6.1	$12,205	$91
<18	2,406	8.8	6.3	$13,583	$120
18-44	4,515	11.1	5.6	$10,679	$119
45-64	1,961	5.6	6.6	$13,012	$73
65+	380	1.8	8.4	$17,439	$31
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	3,731	3.0	5.7	$63,967	$192
18-44	246	0.6	5.8	$82,399	$50
45-64	1,515	4.3	5.6	$67,574	$292
65+	1,903	8.8	5.6	$56,301	$495
Neoplasms: Female Breast (rates for female population)					
Total	80	0.1	3.0	$53,652	$7
Neoplasms: Colorectal					
Total	287	0.2	5.9	$49,836	$11
65+	181	0.8	6.3	$49,188	$41
Neoplasms: Lung					
Total	396	0.3	5.0	$48,245	$15

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	1,415	1.1	3.8	$26,789	$30
65+	406	1.9	4.5	$30,150	$57
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	3,489	2.8	3.7	$63,050	$177
45-64	1,253	3.6	3.5	$67,367	$241
65+	2,126	9.8	3.9	$61,088	$600
Cerebrovascular Disease					
Total	3,288	2.6	5.0	$38,397	$101
45-64	863	2.5	5.7	$46,802	$115
65+	2,283	10.5	4.6	$33,123	$349
CHRONIC PULMONARY DISEASE					
Asthma					
Total	293	0.2	2.5	$15,163	$4
<18	95	0.3	1.9	$11,769	$4
18-44	76	0.2	2.9	$18,948	$4
45-64	78	0.2	2.7	$15,690	$3
65+	44	0.2	2.9	$15,015	$3
Other Chronic Obstructive Pulmonary Disease					
Total	1,601	1.3	3.5	$19,205	$25
45-64	453	1.3	3.2	$18,838	$24
65+	1,124	5.2	3.6	$19,207	$100
PNEUMONIA and INFLUENZA					
Total	2,229	1.8	3.8	$20,467	$37
<18	208	0.8	3.1	$17,731	$14
45-64	414	1.2	3.9	$24,141	$28
65+	1,460	6.7	3.8	$19,615	$132

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.

Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).

Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.

Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		1,245,785
County population rank (1-72)		NA
Population per square mile		120
County rank in population density (1-72)		NA
Population growth 2013-2017		11,213
County rank in 5-year population growth (1-72)		NA

	Female	Male	Total
Total	622,198	623,587	1,245,785
Age			
0-14	110,073	115,366	225,439
15-17	23,130	24,302	47,432
18-19	15,200	16,428	31,628
20-24	36,076	38,170	74,246
25-44	145,731	153,837	299,568
45-64	174,583	176,334	350,917
65-84	98,185	88,678	186,863
85+	19,220	10,472	29,692
Race/Ethnicity			
White	552,520	547,734	1,100,254
African American	10,233	14,444	24,677
American Indian	10,925	10,590	21,515
Hispanic	30,981	33,842	64,824
Asian	17,539	16,977	34,516

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	10.7%	3.7%
Ages 0-17	15.3%	6.9%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$0

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	39,812
Unemployment rate	3.5%
Five-year avg. unemployment rate (2013-2017)	NA%
Median household income	NA
Rank in median household income (1-72)	NA

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	594	169.0	131.3	123.2	139.9
Melanoma	370	29.8	24.9	22.3	27.7
Colorectal	594	47.9	37.2	34.2	40.4
Lung and bronchus	868	70.0	53.0	49.5	56.8
Prostate*	912	146.9	108.7	101.5	116.2
Total	7,276	586.6	458.5	447.7	469.5

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	39
Babesiosis	10
Blastomycosis	21
Campylobacter enteritis	321
Cryptosporidiosis	123
E.coli, shiga toxin-producing (STEC)	37
Ehrlichiosis/Anaplasmosis	81
Giardiasis	167
Haemophilus influenzae, invasive	34
Influenza-associated hospitalization	604
Legionnaires'	21
Listeriosis	<5
Lyme (all stages)	393
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	27
Mumps	<5
Pertussis	62
Salmonellosis	216
Streptococcal disease (Group A)	81
Streptococcal disease (Group B)	149
Sexually Transmitted Disease	
Chlamydia trachomatis	4,213
Gonorrhea (all stages)	686
Syphilis (all stages)	65

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	7,665	132
Alcohol-related	677	40
With citation for OWI	364	8
With citation for speeding	686	4
Motorcyclist	485	14
Bicyclist	174	1
Pedestrian	200	10

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	4,917
Crude live birth rate (per 1,000)	10.1
General fertility rate (per 1,000)	62.2

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	128	2.6
Other vaginal	3,218	65.4
Vaginal vacuum	143	2.9
Forceps	6	0.1
Primary cesarean	790	16.1
Repeat cesarean	630	12.8
Cesarean (unk. repeat/primary)	0	0.0
Other/Unknown	2	0.0
Prenatal Care Visits		
No visits	23	0.5
1-4	187	3.8
5-9	928	18.9
10-12	1,929	39.2
13+	1,789	36.4
Unknown	61	1.2
First Prenatal Care Visit		
First trimester	3,704	75.3
Second trimester	881	17.9
Third trimester	219	4.5
No visits	23	0.5
Unknown	90	1.8

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	3,077	62.6
Unmarried	1,820	37.0
Unknown	20	0.4
Education		
Elementary or less	144	2.9
Some high school	267	5.4
High school graduate	1,338	27.2
Some college	1,778	36.2
College graduate	1,368	27.8
Unknown	22	0.4
Smoking		
Smoker	833	16.9
Nonsmoker	4,057	82.5
Unknown	27	0.4

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	53	1.1
1,500-2,499 gm	278	5.7
2,500+ gm	4,584	93.2
Unknown	2	0.0
Birth Order		
First	1,697	34.5
Second	1,584	32.2
Third	876	17.8
Fourth or higher	758	15.4
Unknown	2	0.0
Reported congenital anomalies [1]	32	0.7

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	4,120	83.8	260	6.3	3,208	77.9	662	16.1	250	6.1
Black/African-American	29	0.6	7	24.1	19	65.5	6	20.7	4	13.8
American Indian	181	3.7	15	8.2	109	60.2	41	22.7	31	17.1
Hispanic/Latino	184	3.7	16	8.8	121	65.8	44	23.9	19	10.3
Asian	285	5.8	22	7.7	180	63.2	91	31.9	14	4.9
Two or more races	103	2.1	10	9.7	62	60.2	32	31.1	9	8.7
Other/Unknown	15	0.3	1	6.7	5	33.3	5	33.3	5	33.3
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	0	--	2	0.0	0	0.0	0	0.0	0	0.0
15-17	34	3.9	45	0.0	15	44.1	12	35.3	7	20.6
18-19	147	25.0	112	10.2	94	63.9	28	19.0	25	17.0
20-24	1,021	72.8	466	8.0	738	72.3	198	19.4	85	8.3
25-29	1,709	141.3	603	5.9	1,297	75.9	312	18.3	100	5.9
30-34	1,374	108.0	621	5.9	1,089	79.3	211	15.4	74	5.4
35-39	508	38.4	367	8.1	382	75.2	96	18.9	30	5.9
40+	124	10.0	64	8.9	89	71.8	24	19.4	11	8.9
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	181	12.5								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	47	9.6
Neonatal	22	1.6
Fetal	25	5.1

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	30	6.1
Neonatal	22	4.5
Postneonatal	8	.
Birthweight		
< 1,500 gm	13	.
1,500-2,499 gm	8	.
2,500+ gm	9	.
Unknown	0	.
Race of Mother		
White	24	5.8
Black	1	.
Hispanic	1	.
Asian	2	.
Other/Unknown	2	.

TOTAL DEATHS

Total deaths	5,108	
Crude death rate (per 100,000)	1,046.1	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	3	.
5-14	5	.
15-19	11	.
20-34	101	124.9
35-54	324	275.9
55-64	562	717.0
65-74	907	1,600.9
75-84	1,270	4,317.8
85+	1,895	14,748.2
Selected Underlying Causes		
Heart disease (total)	1,183	242.3
Ischemic heart disease	671	137.4
Cancer (total)	1,105	226.3
Trachea/Bronchus/Lung	302	61.8
Colorectal	91	18.6
Female breast*	68	13.9
Cerebrovascular disease	241	49.4
Lower respiratory disease	279	57.1
Pneumonia and influenza	93	19.0
Accidents	272	55.7
Motor vehicle	57	11.7
Diabetes	129	26.4
Infectious/Parasitic diseases	90	18.4
Suicide	70	14.3
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	274	56.2
Opioids	36	7.4
Other drugs	22	4.5

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS		Rate		Average	Charge
	Cases	(per 1,000)	LOS	charge	per capita
Total	53,953	110.5	4.0	$29,386	$3,247
Age					
<18	7,148	71.1	3.5	$15,658	$1,113
18-44	10,798	74.3	3.6	$20,031	$1,489
45-64	12,400	86.4	4.2	$36,694	$3,171
65+	23,607	238.7	4.3	$33,984	$8,110

Cause by selected age group		Rate		Average	Charge
	Cases	(per 1,000)	LOS	charge	per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	1,220	2.5	3.9	$16,935	$42
18-44	435	3.0	3.4	$12,052	$36
45-64	687	4.8	4.0	$18,161	$87
Drug-related					
Total	367	0.8	2.6	$16,650	$13
18-44	163	1.1	2.2	$14,545	$16
MENTAL HEALTH DISORDERS					
Total	3,317	6.8	7.2	$12,706	$86
<18	677	6.7	8.0	$13,898	$94
18-44	1,789	12.3	6.4	$10,863	$134
45-64	652	4.5	7.6	$13,794	$63
65+	199	2.0	10.4	$21,660	$44
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	1,788	3.7	5.7	$53,644	$196
18-44	81	0.6	6.5	$78,627	$44
45-64	664	4.6	5.6	$56,984	$264
65+	1,018	10.3	5.7	$48,630	$500
Neoplasms: Female Breast (rates for female population)					
Total	27	0.1	2.6	$38,911	$4
Neoplasms: Colorectal					
Total	159	0.3	6.1	$45,405	$15
65+	106	1.1	6.3	$45,298	$49
Neoplasms: Lung					
Total	176	0.4	6.0	$46,510	$17

Cause by selected age group		Rate		Average	Charge
	Cases	(per 1,000)	LOS	charge	per capita
DIABETES					
Total	813	1.7	4.7	$31,442	$52
65+	262	2.6	6.3	$41,040	$109
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	1,988	4.1	3.8	$60,914	$248
45-64	668	4.7	3.2	$62,577	$291
65+	1,270	12.8	4.2	$60,243	$773
Cerebrovascular Disease					
Total	1,425	2.9	5.7	$43,924	$128
45-64	350	2.4	6.5	$55,438	$135
65+	1,012	10.2	5.3	$37,159	$380
CHRONIC PULMONARY DISEASE					
Asthma					
Total	149	0.3	2.5	$13,158	$4
<18	62	0.6	2.2	$10,603	$7
18-44	21	0.1	2.2	$15,491	$2
45-64	37	0.3	2.5	$14,240	$4
65+	29	0.3	3.3	$15,549	$5
Other Chronic Obstructive Pulmonary Disease					
Total	969	2.0	3.5	$18,051	$36
45-64	290	2.0	3.3	$18,466	$37
65+	665	6.7	3.6	$17,887	$120
PNEUMONIA and INFLUENZA					
Total	1,330	2.7	3.7	$17,835	$49
<18	134	1.3	2.9	$14,632	$19
45-64	242	1.7	3.7	$20,392	$34
65+	877	8.9	3.8	$17,461	$155

DEFINITIONS
Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES
Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES
Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		488,311
County population rank (1-72)		NA
Population per square mile		32
County rank in population density (1-72)		NA
Population growth 2013-2017		91
County rank in 5-year population growth (1-72)		NA

	Female	Male	Total
Total	242,662	245,649	488,311
Age			
0-14	40,271	42,412	82,683
15-17	8,621	9,286	17,907
18-19	5,869	6,281	12,150
20-24	14,034	15,222	29,256
25-44	50,477	53,409	103,886
45-64	71,071	72,440	143,511
65-84	44,087	41,982	86,069
85+	8,232	4,617	12,849
Race/Ethnicity			
White	221,386	223,219	444,605
African American	2,171	2,989	5,160
American Indian	6,395	6,381	12,776
Hispanic	6,108	6,481	12,589
Asian	6,603	6,579	13,181

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	12.6%	4.6%
Ages 0-17	18.8%	8.7%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$0

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	16,875
Unemployment rate	4.2%
Five-year avg. unemployment rate (2013-2017)	NA%
Median household income	NA
Rank in median household income (1-72)	NA

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	248	166.8	117.1	105.2	130.1
Melanoma	120	24.9	18.5	15.2	22.4
Colorectal	248	51.5	36.5	31.9	41.7
Lung and bronchus	454	94.2	60.9	55.3	66.9
Prostate*	415	171.3	108.4	98.0	119.8
Total	3,037	630.1	434.8	418.7	451.4

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Diseases (2017 data)

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	191
Babesiosis	21
Blastomycosis	25
Campylobacter enteritis	130
Cryptosporidiosis	47
E.coli, shiga toxin-producing (STEC)	32
Ehrlichiosis/Anaplasmosis	30
Giardiasis	193
Haemophilus influenzae, invasive	11
Influenza-associated hospitalization	370
Legionnaires'	9
Listeriosis	0
Lyme (all stages)	359
N. meningitidis (Meningococcal disease)	<5
Meningitis, other bacterial	6
Mumps	0
Pertussis	63
Salmonellosis	89
Streptococcal disease (Group A)	30
Streptococcal disease (Group B)	55
Sexually Transmitted Disease	
Chlamydia trachomatis	1,276
Gonorrhea (all stages)	136
Syphilis (all stages)	8

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	2,533	55
Alcohol-related	301	22
With citation for OWI	155	3
With citation for speeding	229	2
Motorcyclist	161	10
Bicyclist	51	0
Pedestrian	37	0

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS

These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	24,498
Crude live birth rate (per 1,000)	12.0
General fertility rate (per 1,000)	60.7

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	733	3.0
Other vaginal	16,407	67.0
Vaginal vacuum	642	2.6
Forceps	192	0.8
Primary cesarean	3,706	15.1
Repeat cesarean	2,793	11.4
Cesarean (unk. repeat/primary)	14	0.1
Other/Unknown	11	0.0
Prenatal Care Visits		
No visits	245	1.0
1-4	819	3.3
5-9	3,758	15.3
10-12	7,571	30.9
13+	10,369	42.3
Unknown	1,736	7.1
First Prenatal Care Visit		
First trimester	17,620	71.9
Second trimester	4,151	16.9
Third trimester	970	4.0
No visits	245	1.0
Unknown	1,512	6.2

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	13,430	54.8
Unmarried	11,024	45.0
Unknown	44	0.2
Education		
Elementary or less	580	2.4
Some high school	2,262	9.2
High school graduate	6,118	25.0
Some college	6,751	27.6
College graduate	8,579	35.0
Unknown	208	0.8
Smoking		
Smoker	2,126	8.7
Nonsmoker	22,205	90.6
Unknown	167	0.2

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	417	1.7
1,500-2,499 gm	1,863	7.6
2,500+ gm	22,212	90.7
Unknown	6	0.0
Birth Order		
First	8,616	35.2
Second	7,816	31.9
Third	4,415	18.0
Fourth or higher	3,637	14.8
Unknown	14	0.1
Reported congenital anomalies [1]	139	0.6

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit First		Second		Other/Unk.	
Race/Ethnicity	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
White	13,077	53.4	872	6.7	10,735	82.1	1,433	11.0	909	7.0
Black/African-American	5,594	22.8	895	16.0	3,256	58.2	1,425	25.5	913	16.3
American Indian	69	14.8	12	0.3	31	44.9	21	30.4	17	24.6
Hispanic/Latino	3,617	0.3	304	440.6	2,188	60.5	796	22.0	633	17.5
Asian	1,120	4.6	82	7.3	790	70.5	223	19.9	107	9.6
Two or more races	702	2.9	82	11.7	458	65.2	151	21.5	93	13.2
Other/Unknown	319	1.3	33	10.3	162	50.8	102	32.0	55	17.2
		Fertility								
Age	**Births**	**(per 1,000)**	**Births**	**%**	**Births**	**%**	**Births**	**%**	**Births**	**%**
< 15	17	--	0	11.8	6	35.3	8	47.1	3	17.6
15-17	324	8.0	9	13.9	135	41.7	106	32.7	83	25.6
18-19	850	31.4	33	13.2	435	51.2	265	31.2	150	17.6
20-24	4,440	61.6	159	10.5	2,731	61.5	1,053	23.7	656	14.8
25-29	7,143	104.1	265	8.4	5,207	72.9	1,194	16.7	742	10.4
30-34	7,553	109.7	273	8.2	5,943	78.7	949	12.6	661	8.8
35-39	3,537	52.8	152	10.4	2,727	77.1	462	13.1	348	9.8
40+	634	10.7	45	10.1	436	68.8	114	18.0	84	13.2
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	1,191	17.6								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	229	9.3
Neonatal	120	3.5
Fetal	109	4.4

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	206	8.4
Neonatal	120	4.9
Postneonatal	86	3.5
Birthweight		
< 1,500 gm	99	234.0
1,500-2,499 gm	36	19.6
2,500+ gm	63	2.9
Unknown	3	.
Race of Mother		
White	58	4.5
Black	104	18.8
Hispanic	30	8.4
Asian	8	.
Other/Unknown	1	.

TOTAL DEATHS

Total deaths	18,165	
Crude death rate (per 100,000)	891.8	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	29	28.8
5-14	24	9.3
15-19	85	61.4
20-34	539	128.7
35-54	1,538	298.1
55-64	2,241	817.7
65-74	3,188	1,811.5
75-84	3,992	4,594.1
85+	6,323	14,540.6
Selected Underlying Causes		
Heart disease (total)	4,026	197.7
Ischemic heart disease	2,226	109.3
Cancer (total)	3,816	187.3
Trachea/Bronchus/Lung	929	45.6
Colorectal	314	15.4
Female breast*	235	11.5
Cerebrovascular disease	828	40.7
Lower respiratory disease	884	43.4
Pneumonia and influenza	334	16.4
Accidents	1,447	71.0
Motor vehicle	202	9.9
Diabetes	499	24.5
Infectious/Parasitic diseases	360	17.7
Suicide	309	15.2
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	779	38.3
Opioids	495	24.3
Other drugs	90	4.4

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	234,683	115.2	4.5	$40,159	$4,627
Age					
<18	36,189	77.6	4.0	$19,758	$1,532
18-44	58,605	81.0	3.7	$27,803	$2,252
45-64	57,964	107.3	4.9	$51,491	$5,523
65+	81,925	267.4	5.1	$49,993	$13,369

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	5,687	2.8	3.9	$22,449	$63
18-44	2,202	3.0	3.4	$17,412	$53
45-64	3,072	5.7	4.2	$24,570	$140
Drug-related					
Total	2,092	1.0	3.4	$28,290	$29
18-44	935	1.3	2.7	$23,746	$31
MENTAL HEALTH DISORDERS					
Total	19,743	9.7	6.4	$16,987	$165
<18	4,323	9.3	6.6	$18,415	$171
18-44	10,178	14.1	5.9	$14,836	$209
45-64	4,298	8.0	6.9	$18,080	$144
65+	944	3.1	9.6	$28,663	$88
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	6,632	3.3	6.3	$81,763	$266
18-44	513	0.7	6.4	$100,886	$72
45-64	2,679	5.0	6.0	$84,538	$419
65+	3,364	11.0	6.4	$74,786	$821
Neoplasms: Female Breast (rates for female population)					
Total	199	0.2	3.6	$69,972	$13
Neoplasms: Colorectal					
Total	474	0.2	6.6	$74,087	$17
65+	301	1.0	7.3	$74,924	$74
Neoplasms: Lung					
Total	681	0.3	5.2	$62,267	$21

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	3,740	1.8	4.9	$41,039	$75
65+	1,000	3.3	6.3	$51,838	$169
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	5,257	2.6	4.4	$81,289	$210
45-64	1,985	3.7	3.9	$83,543	$307
65+	3,046	9.9	4.8	$80,731	$803
Cerebrovascular Disease					
Total	5,452	2.7	6.6	$60,180	$161
45-64	1,557	2.9	6.9	$69,399	$200
65+	3,586	11.7	6.4	$53,910	$631
CHRONIC PULMONARY DISEASE					
Asthma					
Total	1,007	0.5	2.7	$18,961	$9
<18	201	0.4	2.4	$17,093	$7
18-44	319	0.4	2.3	$17,106	$8
45-64	331	0.6	2.9	$20,263	$12
65+	156	0.5	3.5	$22,400	$11
Other Chronic Obstructive Pulmonary Disease					
Total	4,590	2.3	3.9	$26,668	$60
45-64	1,701	3.1	3.7	$25,388	$80
65+	2,817	9.2	4.1	$27,383	$252
PNEUMONIA and INFLUENZA					
Total	4,226	2.1	4.3	$29,775	$62
<18	275	0.6	4.4	$30,636	$18
45-64	960	1.8	4.0	$30,474	$54
65+	2,561	8.4	4.6	$29,440	$246

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017		2,036,842
County population rank (1-72)		NA
Population per square mile		779
County rank in population density (1-72)		NA
Population growth 2013-2017		7,011
County rank in 5-year population growth (1-72)		NA

	Female	Male	Total
Total	1,039,610	997,232	2,036,842
Age			
0-14	187,598	195,761	383,359
15-17	40,647	42,603	83,250
18-19	27,113	28,068	55,181
20-24	72,087	72,058	144,145
25-44	263,819	260,293	524,112
45-64	276,276	264,155	540,431
65-84	143,135	119,744	262,879
85+	28,935	14,550	43,485
Race/Ethnicity			
White	721,418	695,907	1,417,325
African American	163,743	144,538	308,281
American Indian	5,408	4,850	10,258
Hispanic	112,645	117,752	230,397
Asian	36,396	34,185	70,581

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	9.6%	2.4%
Ages 0-17	12.4%	4.2%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$0

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	153,977
Unemployment rate	3.4%
Five-year avg. unemployment rate (2013-2017)	NA%
Median household income	NA
Rank in median household income (1-72)	NA

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	945	166.3	139.7	133.0	146.7
Melanoma	545	26.7	23.0	21.1	25.1
Colorectal	945	46.3	40.0	37.4	42.7
Lung and bronchus	1,548	75.8	63.9	60.7	67.3
Prostate*	1,525	152.6	127.3	120.8	134.1
Total	11,758	575.9	491.1	482.0	500.3

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	12
Babesiosis	<5
Blastomycosis	66
Campylobacter enteritis	265
Cryptosporidiosis	58
E.coli, shiga toxin-producing (STEC)	38
Ehrlichiosis/Anaplasmosis	104
Giardiasis	109
Haemophilus influenzae, invasive	42
Influenza-associated hospitalization	960
Legionnaires'	102
Listeriosis	5
Lyme (all stages)	194
N. meningitidis (Meningococcal disease)	<5
Meningitis, other bacterial	64
Mumps	14
Pertussis	282
Salmonellosis	267
Streptococcal disease (Group A)	104
Streptococcal disease (Group B)	188
Sexually Transmitted Disease	
Chlamydia trachomatis	14,656
Gonorrhea (all stages)	5,561
Syphilis (all stages)	443

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	17,721	170
Alcohol-related	927	38
With citation for OWI	487	8
With citation for speeding	1,154	0
Motorcyclist	598	25
Bicyclist	293	5
Pedestrian	670	31

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	13,389
Crude live birth rate (per 1,000)	11.0
General fertility rate (per 1,000)	57.6

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	368	2.7
Other vaginal	8,893	66.4
Vaginal vacuum	437	3.3
Forceps	140	1.0
Primary cesarean	1,994	14.9
Repeat cesarean	1,524	11.4
Cesarean (unk. repeat/primary)	22	0.2
Other/Unknown	11	0.1
Prenatal Care Visits		
No visits	44	0.3
1-4	407	3.0
5-9	1,791	13.4
10-12	4,702	35.1
13+	6,124	45.7
Unknown	321	2.4
First Prenatal Care Visit		
First trimester	10,569	78.9
Second trimester	1,902	14.2
Third trimester	632	4.7
No visits	44	0.3
Unknown	242	1.8

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	9,200	68.7
Unmarried	4,153	31.0
Unknown	36	0.3
Education		
Elementary or less	588	4.4
Some high school	672	5.0
High school graduate	2,927	21.9
Some college	3,530	26.4
College graduate	5,630	42.0
Unknown	42	0.3
Smoking		
Smoker	1,323	9.9
Nonsmoker	12,002	89.6
Unknown	64	0.3

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	123	0.9
1,500-2,499 gm	813	6.1
2,500+ gm	12,450	93.0
Unknown	3	0.0
Birth Order		
First	4,886	36.5
Second	4,455	33.3
Third	2,240	16.7
Fourth or higher	1,694	12.7
Unknown	114	0.9
Reported congenital anomalies [1]	102	0.8

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

	All Births		LBW		Trimester of First Prenatal Visit					
					First		Second		Other/Unk.	
Race/Ethnicity	Births	%	Births	%	Births	%	Births	%	Births	%
White	10,684	79.8	677	6.3	8,590	80.4	1,419	13.3	675	6.3
Black/African-American	705	5.3	92	13.0	488	69.2	145	20.6	72	10.2
American Indian	36	8.0	5	0.5	16	44.4	9	25.0	11	30.6
Hispanic/Latino	1,068	0.3	81	225.0	794	74.3	192	18.0	82	7.7
Asian	567	4.2	46	8.1	440	77.6	90	15.9	37	6.5
Two or more races	267	2.0	27	10.1	203	76.0	36	13.5	28	10.5
Other/Unknown	62	0.5	8	12.9	38	61.3	11	17.7	13	21.0
		Fertility								
Age	Births	(per 1,000)	Births	%	Births	%	Births	%	Births	%
< 15	2	--	0	0.0	1	50.0	0	0.0	1	50.0
15-17	78	3.4	3	11.5	40	51.3	22	28.2	16	20.5
18-19	319	21.3	16	10.3	203	63.6	78	24.5	38	11.9
20-24	2,094	47.4	100	7.6	1,488	71.1	430	20.5	176	8.4
25-29	4,004	105.6	153	6.6	3,185	79.5	568	14.2	251	6.3
30-34	4,549	117.1	125	6.0	3,775	83.0	522	11.5	252	5.5
35-39	1,940	49.7	49	7.8	1,577	81.3	223	11.5	140	7.2
40+	403	11.6	11	11.2	300	74.4	59	14.6	44	10.9
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	399	10.6								

DEFINITIONS
Birthweight: Infant weight at time of delivery (reported here in grams).
Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.
Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.
Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy . This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.
Teen birth: Births in which the mother was less than 20 years old.

MEASURES
Crude live birth rate: Number of live births per 1,000 population.
General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).
Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.
Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES
[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	108	8.1
Neonatal	41	1.4
Fetal	67	5.0

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	60	4.5
Neonatal	41	3.1
Postneonatal	19	.
Birthweight		
< 1,500 gm	31	248.0
1,500-2,499 gm	11	.
2,500+ gm	17	.
Unknown	1	.
Race of Mother		
White	39	3.7
Black	9	.
Hispanic	7	.
Asian	4	.
Other/Unknown	1	.

TOTAL DEATHS

Total deaths	10,181
Crude death rate (per 100,000)	835.1

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	8	.
5-14	20	13.3
15-19	32	41.5
20-34	247	97.8
35-54	766	247.1
55-64	1,157	694.2
65-74	1,756	1,539.7
75-84	2,361	4,312.9
85+	3,774	15,006.0
Selected Underlying Causes		
Heart disease (total)	2,183	179.1
Ischemic heart disease	1,246	102.2
Cancer (total)	2,232	183.1
Trachea/Bronchus/Lung	516	42.3
Colorectal	168	13.8
Female breast*	141	11.6
Cerebrovascular disease	505	41.4
Lower respiratory disease	533	43.7
Pneumonia and influenza	210	17.2
Accidents	791	64.9
Motor vehicle	139	11.4
Diabetes	245	20.1
Infectious/Parasitic diseases	173	14.2
Suicide	187	15.3
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	482	39.5
Opioids	198	16.2
Other drugs	51	4.2

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatial, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	118,480	97.2	4.1	$35,818	$3,481
Age					
<18	19,284	72.6	3.7	$20,160	$1,464
18-44	27,881	64.1	3.4	$25,403	$1,628
45-64	27,287	84.0	4.3	$46,192	$3,882
65+	44,028	227.0	4.5	$42,841	$9,726

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	1,942	1.6	3.7	$22,301	$36
18-44	775	1.8	3.1	$17,022	$30
45-64	1,014	3.1	4.0	$25,074	$78
Drug-related					
Total	1,047	0.9	2.9	$24,599	$21
18-44	512	1.2	2.6	$22,454	$26
MENTAL HEALTH DISORDERS					
Total	7,748	6.4	6.8	$17,941	$114
<18	2,028	7.6	7.2	$21,917	$167
18-44	3,743	8.6	6.0	$14,451	$124
45-64	1,483	4.6	7.1	$18,190	$83
65+	494	2.5	10.5	$27,312	$70
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	3,752	3.1	5.6	$71,086	$219
18-44	319	0.7	5.5	$82,009	$60
45-64	1,420	4.4	5.3	$75,191	$329
65+	1,932	10.0	5.7	$63,533	$633
Neoplasms: Female Breast (rates for female population)					
Total	68	0.1	3.4	$63,234	$7
Neoplasms: Colorectal					
Total	297	0.2	5.9	$58,606	$14
65+	209	1.1	6.2	$59,795	$64
Neoplasms: Lung					
Total	362	0.3	4.9	$53,640	$16

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	1,764	1.4	4.1	$35,217	$51
65+	531	2.7	5.3	$42,972	$118
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	3,401	2.8	3.9	$75,374	$210
45-64	1,209	3.7	3.6	$77,666	$289
65+	2,039	10.5	4.2	$75,172	$790
Cerebrovascular Disease					
Total	2,847	2.3	5.7	$52,880	$123
45-64	762	2.3	6.1	$62,376	$146
65+	1,958	10.1	5.5	$47,197	$476
CHRONIC PULMONARY DISEASE					
Asthma					
Total	383	0.3	2.5	$20,583	$6
<18	148	0.6	1.9	$18,604	$10
18-44	97	0.2	2.7	$23,902	$5
45-64	95	0.3	2.5	$19,132	$6
65+	43	0.2	3.7	$23,119	$5
Other Chronic Obstructive Pulmonary Disease					
Total	2,102	1.7	3.6	$24,841	$43
45-64	662	2.0	3.4	$24,732	$50
65+	1,399	7.2	3.7	$24,782	$179
PNEUMONIA and INFLUENZA					
Total	2,860	2.3	3.8	$24,878	$58
<18	200	0.8	2.9	$22,401	$17
45-64	597	1.8	3.9	$27,845	$51
65+	1,892	9.8	3.9	$24,063	$235

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			1,219,126
County population rank (1-72)			NA
Population per square mile			107
County rank in population density (1-72)			NA
Population growth 2013-2017			22,191
County rank in 5-year population growth (1-72)			NA

	Female	Male	Total
Total	607,033	612,093	1,219,126
Age			
0-14	106,641	112,264	218,905
15-17	22,757	23,906	46,663
18-19	14,942	15,512	30,454
20-24	44,206	47,302	91,508
25-44	150,528	162,444	312,972
45-64	162,346	162,335	324,681
65-84	89,095	79,698	168,793
85+	16,518	8,632	25,150
Race/Ethnicity			
White	528,847	525,692	1,054,538
African American	22,434	27,644	50,078
American Indian	2,462	2,726	5,189
Hispanic	32,775	36,803	69,577
Asian	20,515	19,229	39,744

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	11.4%	3.9%
Ages 0-17	15.8%	7%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$0

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	46,454
Unemployment rate	3.2%
Five-year avg. unemployment rate (2013-2017)	NA%
Median household income	NA
Rank in median household income (1-72)	NA

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	444	154.6	126.9	118.6	135.6
Melanoma	382	31.2	27.7	24.9	30.7
Colorectal	444	36.3	30.7	27.9	33.8
Lung and bronchus	866	70.8	57.7	53.8	61.7
Prostate*	686	111.5	90.8	84.0	98.2
Total	6,522	532.9	448.5	437.3	459.8

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	38
Babesiosis	9
Blastomycosis	11
Campylobacter enteritis	370
Cryptosporidiosis	125
E.coli, shiga toxin-producing (STEC)	80
Ehrlichiosis/Anaplasmosis	53
Giardiasis	132
Haemophilus influenzae, invasive	26
Influenza-associated hospitalization	973
Legionnaires'	26
Listeriosis	<5
Lyme (all stages)	368
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	31
Mumps	11
Pertussis	46
Salmonellosis	258
Streptococcal disease (Group A)	53
Streptococcal disease (Group B)	83
Sexually Transmitted Disease	
Chlamydia trachomatis	5,079
Gonorrhea (all stages)	1,038
Syphilis (all stages)	103

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	7,904	123
Alcohol-related	717	30
With citation for OWI	362	5
With citation for speeding	719	0
Motorcyclist	485	21
Bicyclist	214	0
Pedestrian	201	10

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

Natality data are drawn from birth certificates maintained by the Vital Records Section, Division of Public Health. This report presents data from the calendar year 2017.

DATA DETAILS
These data include characteristics of the infant and pregnancy (birthweight, delivery method, birth order, trimester of first prenatal care visit, and number of prenatal care visits) and attributes of the mother (age, marital status, education, race/ethnicity, and smoking status).

Data include records on all births to state residents, including those that occur outside Wisconsin. Out-of-state records are obtained from the state of occurrence. Thus, county birth data include all births to county residents regardless of where the births occurred.

TOTAL BIRTHS

Total live births	7,527
Crude live birth rate (per 1,000)	9.5
General fertility rate (per 1,000)	51.7

PREGNANCY CHARACTERISTICS

Delivery Type	Births	%
Vaginal after prev. cesarean	257	3.4
Other vaginal	5,226	69.4
Vaginal vacuum	240	3.2
Forceps	38	0.5
Primary cesarean	1,007	13.4
Repeat cesarean	752	10.0
Cesarean (unk. repeat/primary)	4	0.1
Other/Unknown	3	0.0
Prenatal Care Visits		
No visits	39	0.5
1-4	343	4.6
5-9	1,582	21.0
10-12	2,926	38.9
13+	2,492	33.1
Unknown	145	1.9
First Prenatal Care Visit		
First trimester	5,585	74.2
Second trimester	1,420	18.9
Third trimester	332	4.4
No visits	39	0.5
Unknown	151	2.0

MATERNAL CHARACTERISTICS

Marital Status	Births	%
Married	5,103	67.8
Unmarried	2,411	32.0
Unknown	13	0.2
Education		
Elementary or less	621	8.3
Some high school	374	5.0
High school graduate	1,863	24.8
Some college	2,405	32.0
College graduate	2,249	29.9
Unknown	15	0.2
Smoking		
Smoker	1,044	13.9
Nonsmoker	6,462	85.9
Unknown	21	0.2

INFANT CHARACTERISTICS

Birthweight	Births	%
< 1,500 gm	63	0.8
1,500-2,499 gm	394	5.2
2,500+ gm	7,068	93.9
Unknown	2	0.0
Birth Order		
First	2,567	34.1
Second	2,339	31.1
Third	1,370	18.2
Fourth or higher	1,245	16.5
Unknown	6	0.1
Reported congenital anomalies [1]	43	0.6

MATERNAL CHARACTERISTICS AND BIRTH OUTCOMES

Race/Ethnicity	All Births Births	All Births %	LBW Births	LBW %	First Births	First %	Second Births	Second %	Other/Unk. Births	Other/Unk. %
White	6,641	88.2	381	5.7	5,036	75.8	1,159	17.5	446	6.7
Black/African-American	104	1.4	10	9.6	66	63.5	27	26.0	11	10.6
American Indian	76	4.1	4	1.3	38	50.0	21	27.6	17	22.4
Hispanic/Latino	308	1.0	23	30.3	179	58.1	100	32.5	29	9.4
Asian	260	3.5	24	9.2	171	65.8	81	31.2	8	3.1
Two or more races	114	1.5	11	9.6	79	69.3	28	24.6	7	6.1
Other/Unknown	24	0.3	4	16.7	16	66.7	4	16.7	4	16.7

Age	Births	Fertility (per 1,000)	LBW Births	LBW %	First Births	First %	Second Births	Second %	Other/Unk. Births	Other/Unk. %
< 15	2	--	0	0.0	0	0.0	1	50.0	1	50.0
15-17	35	2.1	0	8.6	23	65.7	7	20.0	5	14.3
18-19	209	19.0	1	7.7	147	70.3	46	22.0	16	7.7
20-24	1,462	47.5	5	6.8	985	67.4	356	24.4	121	8.3
25-29	2,591	122.0	11	5.9	1,975	76.2	464	17.9	152	5.9
30-34	2,207	100.8	16	5.7	1,726	78.2	362	16.4	119	5.4
35-39	882	38.3	4	5.6	646	73.2	150	17.0	86	9.8
40+	139	6.6	1	7.9	83	59.7	34	24.5	22	15.8
Unknown	0	--	0	0.0	0	0.0	0	0.0	0	0.0
Teen Births	246	9.0								

DEFINITIONS

Birthweight: Infant weight at time of delivery (reported here in grams).

Live birth: Complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Low birthweight (LBW): Birthweight of a liveborn infant of less than 2,500 gm (5 lbs, 8 oz) regardless of gestational age.

Smoking status: A mother is defined as a smoker if she reports smoking cigarettes at any time during or three months prior to the pregnancy. This is not comparable to Wisconsin data on maternal smoking for births prior to 2011.

Teen birth: Births in which the mother was less than 20 years old.

MEASURES

Crude live birth rate: Number of live births per 1,000 population.

General fertility rate: Number of live births per 1,000 women of childbearing age (15-44).

Age-specific fertility rate: Number of births to women in an age category, per 1,000 women of that age.

Teen fertility rate: Number of live births to females under 20 years of age per 1,000 females age 15-19.

NOTES

[1] **Live births with reported congenital anomalies.** Due to the change in Wisconsin birth data collection beginning in 2011, the number of live births with reported congenital anomalies in 2011 and subsequent years cannot be compared with the number in 2010 and earlier years.

Mortality data are drawn from three sources maintained by the Vital Records Section, Division of Public Health: death certificates, infant death certificates matched with the corresponding birth certificates, and fetal death reports (deaths of fetuses of at least 20 weeks of gestation). This report presents data from the calendar year 2017.

DATA DETAILS

This report presents Wisconsin resident data (deaths of Wisconsin residents). The majority of these deaths occurred in Wisconsin, although death certificates of Wisconsin residents are received from other states and countries as well. Deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred.

PERINATAL MORTALITY

	Deaths	Rate (per 1,000)
Total perinatal mortality	68	8.0
Neonatal	36	2.0
Fetal	32	3.8

INFANT MORTALITY

	Deaths	Rate (per 1,000)
Total infant mortality	53	6.2
Neonatal	36	4.2
Postneonatal	17	.
Birthweight		
< 1,500 gm	27	428.6
1,500-2,499 gm	6	.
2,500+ gm	20	2.8
Unknown	0	.
Race of Mother		
White	44	6.6
Black	1	.
Hispanic	4	.
Asian	3	.
Other/Unknown	1	.

TOTAL DEATHS

Total deaths	7,326	
Crude death rate (per 100,000)	928.8	

CHILD AND ADULT MORTALITY

Age	Deaths	Rate (per 100,000)
1-4	5	.
5-14	12	.
15-19	26	47.7
20-34	163	107.4
35-54	490	257.2
55-64	837	749.9
65-74	1,350	1,683.8
75-84	1,796	4,656.5
85+	2,594	14,992.5
Selected Underlying Causes		
Heart disease (total)	1,549	196.4
Ischemic heart disease	857	108.7
Cancer (total)	1,666	211.2
Trachea/Bronchus/Lung	441	55.9
Colorectal	138	17.5
Female breast*	93	11.8
Cerebrovascular disease	365	46.3
Lower respiratory disease	433	54.9
Pneumonia and influenza	115	14.6
Accidents	433	54.9
Motor vehicle	99	12.6
Diabetes	240	30.4
Infectious/Parasitic diseases	101	12.8
Suicide	132	16.7
Alcohol and Drug Abuse as Underlying or Contributing Cause of Death		
Alcohol	350	44.4
Opioids	57	7.2
Other drugs	44	5.6

* Based on female deaths from breast cancer and female population.

DEFINITIONS

Cause of death: Reported underlying cause of death, as recorded on death certificates. The categories and ICD-10 codes are listed in the Technical Notes.

Fetal death: Death occurring prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only deaths of fetuses of at least 20 weeks of gestation must be reported in Wisconsin. Fetal death reports do not include induced abortions.

Infant death: Death of a live-born individual less than one year of age.

Neonatal death: Death of a live-born infant less than four weeks (28 days) of age.

Perinatal deaths: Neonatal deaths plus all reported fetal deaths of 20 or more weeks of gestation.

Postneonatal death: Death of an infant between four weeks (28 days) and one year of age.

MEASURES

Crude death rate: Number of deaths per 100,000 population.

Crude cause-specific death rate: Number of deaths from a cause per 100,000 population.

Death rate by age: Number of deaths in an age group per 100,000 population in that age group.

Neonatal, postneonatal, and infant death rates: Number of deaths per 1,000 live births.

Fetal and perinatal death rates: Number of deaths per 1,000 live births and fetal deaths.

Race-specific and age-specific infant death rates: Deaths per 1,000 live births in that race or weight category.

See Technical Notes for more details.

Hospitalization data are obtained from hospital inpatient discharge files prepared by the Office of Health Informatics, Division of Public Health (DPH), from data collected by the Wisconsin Hospital Association Information Center. This report presents data from the calendar year 2017.

DATA DETAILS

Diagnostic definitions used for the categories are based on the principal diagnosis. Hospitalizations are measured as intpatient discharges. Hospitalizations for an individual can occur more than once due to multiple admissions and transferring between hospitals. The diagnoses most affected by transfers are malignant neoplasms, mental disorders, cerebrovascular disease, and coronary heart disease.

Between 2011 and 2013, the Public Health Profiles include records for Wisconsin residents treated in Minnesota hospitals. From 2014 on, the Public Health Profiles include records for Wisconsin residents treated in both Minnesota and Iowa hospitals. Therefore, counts and rates of hospitalizations in the affected counties changed substantially and caution is advised when comparing across data years. Counts and rates remain underestimated for those counties whose residents receive a significant amount of care in Michigan or Illinois hospitals.

From Quarter 4, 2015, the hospital inpatient discharge data starts to report all diagnoses with ICD-10 code. Caution is advised when comparing 2015 and forward data with previous years of data.

TOTAL HOSPITALIZATIONS	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
Total	78,216	99.2	4.0	$30,702	$3,045
Age					
<18	11,684	66.0	3.4	$16,519	$1,090
18-44	17,344	65.6	3.4	$20,559	$1,350
45-64	17,833	84.3	4.4	$40,255	$3,394
65+	31,355	230.5	4.4	$36,165	$8,335

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DRUG and ALCOHOL USE					
Alcohol-Related					
Total	1,545	2.0	4.0	$16,163	$32
18-44	592	2.2	3.4	$11,825	$26
45-64	845	4.0	4.2	$17,311	$69
Drug-related					
Total	634	0.8	3.9	$21,261	$17
18-44	336	1.3	3.8	$19,094	$24
MENTAL HEALTH DISORDERS					
Total	5,072	6.4	6.7	$14,234	$92
<18	958	5.4	7.3	$15,754	$85
18-44	2,786	10.5	5.8	$11,649	$123
45-64	1,029	4.9	7.5	$16,518	$80
65+	299	2.2	10.7	$25,589	$56
NEOPLASMS					
Malignant Neoplasms (Cancers): All					
Total	2,623	3.3	5.6	$57,164	$190
18-44	169	0.6	4.9	$63,635	$41
45-64	974	4.6	5.5	$60,251	$277
65+	1,416	10.4	5.6	$52,223	$544
Neoplasms: Female Breast (rates for female population)					
Total	74	0.2	2.6	$40,507	$8
Neoplasms: Colorectal					
Total	254	0.3	6.2	$52,040	$17
65+	175	1.3	6.6	$56,167	$72
Neoplasms: Lung					
Total	294	0.4	6.5	$54,875	$20

Cause by selected age group	Cases	Rate (per 1,000)	LOS	Average charge	Charge per capita
DIABETES					
Total	1,073	1.4	4.2	$32,285	$44
65+	361	2.7	5.1	$36,871	$98
CARDIOVASCULAR DISEASE					
Coronary Heart Disease					
Total	2,370	3.0	4.0	$69,741	$210
45-64	845	4.0	3.6	$71,258	$285
65+	1,439	10.6	4.3	$69,103	$731
Cerebrovascular Disease					
Total	1,909	2.4	5.8	$43,669	$106
45-64	494	2.3	6.5	$53,111	$124
65+	1,327	9.8	5.3	$38,101	$372
CHRONIC PULMONARY DISEASE					
Asthma					
Total	192	0.2	2.9	$15,830	$4
<18	44	0.2	2.2	$10,896	$3
18-44	62	0.2	2.7	$16,532	$4
45-64	46	0.2	3.6	$19,085	$4
65+	40	0.3	3.3	$16,427	$5
Other Chronic Obstructive Pulmonary Disease					
Total	1,764	2.2	3.5	$18,275	$41
45-64	512	2.4	3.5	$20,157	$49
65+	1,227	9.0	3.5	$17,473	$158
PNEUMONIA and INFLUENZA					
Total	2,116	2.7	3.7	$18,735	$50
<18	157	0.9	3.0	$18,118	$16
45-64	376	1.8	3.6	$20,440	$36
65+	1,475	10.8	3.8	$18,088	$196

DEFINITIONS

Length of stay (LOS): Average duration, in days, of a single episode of hospitalization for an individual with the specified condition.

MEASURES

Average charge: Total charges within a particular diagnostic category and age group divided by the number of discharges with reported charges in that group.
Charge per capita: Total charges divided by the estimated total population (within age groups: age-specific charges divided by the estimated age-specific population).
Rate of discharge: Number of discharges in that diagnostic category and age group per 1,000 population in that age group.
Rate of discharge for female breast neoplasms: Number of discharges in that diagnostic category per 1,000 women.

NOTES

Length of stay and charge outliers were defined as values below the first percentile or above the 99th percentile (i.e., the highest 1 percent and the lowest 1 percent). In these cases, the length of stay or charge was set to the first or 99th percentile value. Since reporting of charges is optional for lengths of stay over 100 days, the charges for those cases with a missing charge and length of stay over 100 days were also set to the 99th percentile value.

Population (2017 data)

The population by age, sex, race, and ethnicity was estimated for July 1, 2017, by the Health Analytics Section, Division of Public Health. Estimates of poverty and median household income in Wisconsin were obtained from the U.S. Census Bureau's Small Area Income and Poverty Estimates (SAIPE) program website. Employment statistics (civilian labor force, unemployment rate, and average wage) were obtained from the Division of Workforce Solutions, Wisconsin Department of Workforce Development.

POPULATION ESTIMATES

Total 2017			788,765
County population rank (1-72)			NA
Population per square mile			54
County rank in population density (1-72)			NA
Population growth 2013-2017			7,386
County rank in 5-year population growth (1-72)			NA

	Female	Male	Total
Total	392,855	395,910	788,765
Age			
0-14	70,473	73,943	144,416
15-17	16,445	16,157	32,602
18-19	10,998	10,876	21,874
20-24	30,764	30,701	61,465
25-44	87,259	93,603	180,862
45-64	104,825	106,673	211,498
65-84	60,940	57,806	118,746
85+	11,151	6,151	17,302
Race/Ethnicity			
White	366,511	366,196	732,706
African American	4,390	6,935	11,325
American Indian	3,613	3,819	7,432
Hispanic	9,623	11,088	20,712
Asian	8,718	7,872	16,590

POVERTY ESTIMATES

	Estimate (%)	(CI +/-)
All ages	11.1%	3.9%
Ages 0-17	14.6%	7%

EMPLOYMENT

Average wage for jobs covered by unemployment compensation (place of work)	$0

LABOR FORCE ESTIMATES

	Annual Average
Civilian labor force	24,214
Unemployment rate	3.5%
Five-year avg. unemployment rate (2013-2017)	NA%
Median household income	NA
Rank in median household income (1-72)	NA

DEFINITIONS

Civilian labor force: Includes all persons 16 years of age or over who are either working or looking for work. This statistic does **not** include members of the armed forces; "discouraged workers" who are not actively seeking employment, about to start a new job, or waiting to be called back from a layoff; or other people (such as students or retired persons) not working or looking for work.

Employed persons: Individuals 16 years or older who worked for pay anytime during the week that includes the 12th day of the month, or who worked unpaid for 15 hours or more in a family-owned business, or who were temporarily absent from their jobs due to illness, bad weather, vacation, labor dispute, or personal reasons.

Unemployed persons: Individuals 16 years or older who had no employment, were available for work, and either actively seeking employment, about to start a new job, or waiting to be called back from a layoff.

NOTES

Estimated populations are reported rounded to the nearest 10.

The **race/ethnicity categories** are mutually exclusive (racial categories exclude Hispanics). Estimated populations are reported rounded to the nearest 10.

Poverty Estimates: A 90 percent confidence interval (C.I. ±) is printed in a column next to each estimated value; this means that 90 percent of similar surveys would obtain an estimated value within the confidence interval specified.

Cancer incidence data are compiled from reports submitted by Wisconsin hospitals, clinics, and physicians to the Wisconsin Cancer Reporting System (WCRS), Health Analytics Section, Division of Public Health, as mandated under Wis. Stat. § 255.04. This report presents cancer incidence data for cases diagnosed in the calendar year 2016 (the latest data available).

DATA DETAILS

The data presented are for primary invasive cancers (excluding non-invasive cases), except for premalignant bladder cancers, among Wisconsin residents. Primary cancers are defined by the site from which cancer originates; metastatic cancers that have spread from other original sites are not included. The county designation is based on a patient's residence at the time of diagnosis. WCRS currently has interstate data exchange with 46 other states to capture resident cases diagnosed or treated in other states. (*Minnesota does not participate in the interstate exchange system, so cancer cases from counties on the Minnesota border may not be reported, unless voluntarily reported by Minnesota facilities.*) Late reporting from facilities result in those cases being added retrospectively and therefore the most recent year (2016) may be less complete than previous years. A high degree of variation is expected among counties, and counties with smaller populations (under 20,000) and fewer cases (under 20) have rates that are unstable over time. Case counts less than 6 are suppressed to protect patient confidentiality.

PRIMARY SITE	Cases	Crude incidence rate (per 100,000)	Age-adjusted rate (per 100,000)	Lower CI Age-Adjusted rate	Upper CI Age-Adjusted rate
Female breast*	345	143.6	116.3	106.4	126.9
Melanoma	250	31.9	26.0	22.8	29.6
Colorectal	345	44.0	35.6	31.8	39.7
Lung and bronchus	540	68.8	52.6	48.2	57.4
Prostate*	506	128.6	96.7	88.2	105.8
Total	4,079	519.7	410.2	397.2	423.4

*Rates include cases per 100,000 sex-specific population

MEASURES

Cancer incidence: Newly diagnosed cancer cases during a specific time period, as reported to the WCRS.

Age-adjusted lower and upper confidence intervals (CI): The upper and lower limits of a 95% confidence interval.

Crude incidence rate: the number of cancer cases per 100,000 population for the population at risk for developing the disease. Crude rates are useful in determining the actual number of cases within a local population.

Age-adjusted incidence rate: The incidence rate adjusted to a standard 2000 U.S. population, to account for different age distributions between populations. Age-adjusted incidence rates are better indicators of relative burden than crude rates for comparing rates across geographic areas or between subgroups of the population that have different age distributions.

Case counts: Each cancer case is reported, so if one patient has two primary cancers, two cases are counted as incidence. Reports from multiple facilities for the same case are consolidated into one final case report.

Confidence intervals: Confidence intervals are shown for age-adjusted rates and contains upper and lower limits with 95% probability of the incidence rate. The larger the confidence interval, the less precise the estimate and overlapping confidence intervals indicate the difference between rates is not statistically significant.

Resource: Detailed, mapped data for additional cancer sites by county in Wisconsin are available at Cancer-Rates.Info: https://www.cancer-rates.info/wi/

NOTES

Totals include only invasive cancers and are thus not comparable to any previous publications that included both invasive and non-invasive cancers.

Data for communicable diseases are shown for selected reportable diseases. Numbers of confirmed cases were obtained from the Bureau of Communicable Diseases, Division of Public Health. Wisconsin Stat. ch. 252 and Wis. Admin. Code ch. DHS 145 requires the surveillance and control of certain communicable diseases. This report presents data from the calendar year 2017.

DATA DETAILS

Completeness of reporting varies by disease. Cases are reported by the location of residence, regardless of where the disease may have been contracted.

Specific counts for a year are subject to some slight changes over time as additional information is collected, revealing previously unidentified cases or changing previous diagnoses.

NOTES

The symbol "<5" denotes that the number of reported cases is between 1 and 4. The exact number is suppressed to maintain confidentiality.

DISEASE	Cases
Anaplasmosis	184
Babesiosis	21
Blastomycosis	0
Campylobacter enteritis	257
Cryptosporidiosis	111
E.coli, shiga toxin-producing (STEC)	66
Ehrlichiosis/Anaplasmosis	19
Giardiasis	107
Haemophilus influenzae, invasive	13
Influenza-associated hospitalization	494
Legionnaires'	19
Listeriosis	<5
Lyme (all stages)	494
N. meningitidis (Meningococcal disease)	0
Meningitis, other bacterial	<5
Mumps	8
Pertussis	68
Salmonellosis	115
Streptococcal disease (Group A)	19
Streptococcal disease (Group B)	54
Sexually Transmitted Disease	
Chlamydia trachomatis	2,517
Gonorrhea (all stages)	254
Syphilis (all stages)	54

Data on injuries and fatalities in motor vehicle crashes are obtained from the WisDOT-DMV Traffic Accident Database of the Wisconsin Department of Transportation (DOT). This report presents data from the calendar year 2017.

DATA DETAILS

These data are based on location of crash, not on residence.

Motor vehicle crash data are occurrence data from the county in which the crash took place. (Most other data in the profiles are based on the county of residence.) County statistics on persons injured and killed therefore do not include county residents who were injured or killed outside the county, and may include persons who are residents of other counties or other states.

TYPE OF MOTOR VEHICLE CRASH	Persons Injured	Persons Killed
All crashes	4,445	95
Alcohol-related	412	31
With citation for OWI	171	2
With citation for speeding	423	1
Motorcyclist	288	5
Bicyclist	71	1
Pedestrian	103	5

DEFINITIONS

Persons injured: Persons who were physically harmed or complained of physical harm from injuries received in the crash, but did not die within 30 days of the crash.

Persons killed: All persons who died within 30 days from injuries received in the crash.

Alcohol-related crash: A crash in which either a driver, bicyclist, or pedestrian is listed on a police or coroner report as drinking alcohol before the crash.

Crashes with a citation for OWI: Crashes in which a law enforcement official has issued a citation for violation of Wis. Stat. § 346.63, "operating under influence of intoxicant or other drug."

NOTES

These data are reported by state and local law enforcement agencies. Because crash data are from a different source, the number of "Persons Killed" in motor vehicle crashes will not match the number of deaths from "Accidents, Motor Vehicle" in the profile's Child and Adult Mortality section.

ABOUT THE DATA: TECHNICAL NOTES

Public Health Profiles, Wisconsin 2019, presents select data on population characteristics, births, deaths, morbidity, local health departments, long-term care, and hospitalizations in Wisconsin for calendar year 2017. The data were selected to profile important aspects of public health for the state as a whole, each of the 72 counties, and the five Division of Public Health (DPH) regions. Local public health professionals and others seeking general information about the health of Wisconsin's population use these data to establish yearly goals, conduct community health assessments, write grant proposals, and develop education and outreach programs.

The Wisconsin Department of Health Services (DHS) provided funds for developing and disseminating this report. This report is produced by the Health Analytics Section.

Most of the statistics included in this report came from data systems maintained in DPH. The DPH Health Analytics section provided mortality, birth, and infant mortality data; 2017 population estimates; cancer incidence for 2016 (latest available); and prepared hospitalization data from the inpatient discharge files, with data collected by the Wisconsin Hospital Association Information Center. The Bureau of Communicable Diseases provided data on diseases.

Employment data were provided by the Bureau of Workforce Information, Division of Workforce Solutions, Wisconsin Department of Workforce Development.

Motor vehicle crash data are maintained by the Wisconsin Department of Transportation (DOT), Division of Motor Vehicles, Traffic Accident Section. Figures were compiled from that source by the Bureau of Transportation Safety in DOT's Division of State Patrol.

Comments, suggestions, and requests for information may be addressed to:
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Formulas for Birth and Death Rates

Births

Crude live birth rate	= 1,000	x	Number of resident live births
			Total resident population
General fertility rate	= 1,000	x	Number of resident live births
			Number of females ages 15-44
Age-specific fertility rate	= 1,000	x	Number of resident live births in age category
			Number of females in age category
Teen fertility rate	= 1,000	x	Number of resident live births to females under 20 years of age
			Number of females under 20 years of age

Deaths

Crude death rate	= 100,000	x	Number of resident deaths
			Total resident population
Crude cause-specific death rate	= 100,000	x	Number of resident deaths from cause
			Total resident population
Fetal death rate	= 1,000	x	Number of resident fetal deaths
			Total resident live births and fetal deaths
Neonatal death rate	= 1,000	x	Number of resident neonatal deaths
			Total resident live births
Postneonatal death rate	= 1,000	x	Number of resident postneonatal deaths
			Total resident live births
Perinatal death rate	= 1,000	x	Number of resident fetal and neonatal deaths
			Total resident live births and fetal deaths
Infant death rate	= 1,000	x	Number of resident infant deaths
			Total resident live births
Race-specific infant death rate	= 1,000	x	Number of infant deaths to mothers in race category
			Number of live births to mothers in race category
Weight-specific infant death rate	= 1,000	x	Number of infant deaths in birthweight category
			Number of live births in birthweight category

Rates

Most rates per population included in the Public Health Profiles were calculated using 2017 population data. A crude rate is the number of events per 1,000 (or 10,000 or 100,000) people. It is called "crude" because its magnitude may be affected by the population's age distribution. In contrast, an age-specific or age-standardized rate considers age distribution, and would be preferred over a crude rate for comparisons between populations with different age distributions.

Rates for some events were not calculated. For most measures numerators of fewer than 20 events (indicated by ".") were judged to be too small to calculate rates that are meaningful; such rates would be misleadingly unstable over time because small annual fluctuations in the number of events can create large changes in a rate. Calculation of other rates was not done for other reasons (indicated by "--"); for example, the population base for a fertility rate for females under 15 years old cannot be estimated accurately.

Categories of Underlying Cause of Death

Description	ICD-10 CODE
Infectious and Parasitic Diseases	A00-B99
Total Malignant Neoplasms	C00-C97
Trachea, bronchus, lung cancer	C33-C34
Breast cancer	C50
Colorectal cancer	C18-C21
Diabetes	E10-E14
Diseases of the Heart	I00-I09, I11, I13, I20-I51
Ischemic heart disease	I20-I25
Cerebrovascular Disease	I60-I69
Pneumonia and Influenza	J09-J18
Chronic Lower Respiratory Disease	J40-J47
Total Accidents	V01-X59, Y85-Y86
Motor vehicle accidents (crashes)	V02-V04, V09.0-V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0,V89.2
Intentional self-harm (suicide)	U-03, X60-X84, Y87.0

Drugs Listed as Underlying or Contributory Cause of Death

Alcohol-related Deaths	Alcohol-related deaths include those that are directly related to drinking alcohol, such as alcohol-induced liver cirrhosis, or an alcohol poisoning overdose, as well as causes of death that are indirectly related to alcohol use, such as accidents caused while an individual was intoxicated, or certain cancers and chronic diseases that are linked to high alcohol use. Deaths related to alcohol often have additional circumstances, and there are specific coding rules. For instance, deaths involving drugs and alcohol will often have underlying causes of death as F10-- (mental health related) or X4-- (poisoning), instead of specific alcohol-related underlying cause of death

Opioid-related Deaths	Drug overdose deaths involving any opioid. Defined as ICD-10 code indicating drug poisoning as an underlying cause of death (X40-X44, X60-X64, X85, or Y10-Y14) and a contributing cause of death T400 (opium), T401 (heroin), T402 (natural and semisynthetic opioid), T403 (methadone), T404 (synthetic opioid other than methadone), or T406 (other and unspecified narcotic)
Other Drug(s) Deaths	All other drug deaths = Drug overdose deaths – opioid related deaths (Drug overdose deaths. Defined as ICD-10 code indicating drug poisoning as an underlying cause of death (X40-X44, X60-X64, X85, or Y10-Y14)

First-Listed Diagnoses Associated With Hospitalizations

Description	ICD-10 CODE
Malignant neoplasms	C00-C43, C4A, C45-C48, C49-C96, C4400, C4409, C4410, C4419, C4420, C4429, C4430, C4439, C4440, C4449, C4450, C4459, C4460, C4469, C4470, C4479, C4480, C4489, C4490, C4499, C49A, C49A, D00-D09 but not D069 and D075, D1802, D32, D33, D352-D354, D42, D43, D443-D445, D45, D46, D4702, D471, D473, D474, D47Z, D479, D496, D497, R85614, R87614, R87624
Lung cancer	C34
Female breast cancer	C50
Colorectal cancer	C18
Diabetes	E08-E11, E13
Alcohol-related	F10, G312, G621, G721, I426, K292, K860, K70, O354, P043, Q860, E244, O9931
Drug-related	T36-T50 with final digits: 1A, 1D, 2A, 2D, 3A, 3D, 4A, 4D
Mental Disorders (excluding those related to alcohol or drugs)	All F except F49
Coronary heart disease	
Ischemic heart disease	I20-I25
Unspecified cardiovascular disease	I519
Cerebrovascular disease	I60-I69
Pneumonia and influenza	J09-J18
Other chronic obstructive pulmonary disease	J40-J44
Asthma	J45