
Wisconsin Deaths

2009

February 2011

*Office of Health Informatics
Division of Public Health
Wisconsin Department of Health Services*

Foreword

This report, *Wisconsin Deaths, 2009*, presents key information about deaths of Wisconsin residents that occurred in 2009 and previous years. Information is included on the number and rate of deaths overall and by age, sex and cause. *Wisconsin Deaths* has been published annually since the 1995 data year, and replaced the earlier report series *Vital Statistics* (data years 1984-1994), *Public Health Statistics* (1952-1983), and *Annual Report of Morbidity and Mortality* (1948-1951).

The source of data for this report is death certificates filed with the State Registrar, Vital Records Section, Office of Health Informatics (formerly the Bureau of Health Information and Policy), Division of Public Health, Wisconsin Department of Health Services.

The Office of Health Informatics would like to recognize the following: local Register of Deeds offices and the Milwaukee and West Allis city health offices (for registering deaths), coroners and medical examiners (for certifying causes of death), hospitals and physicians (for certifying deaths), and funeral directors (for filing death certificates). We would also like to acknowledge and thank other states and countries for submitting data on deaths of Wisconsin residents that occurred in those places.

The Department of Health Services produced this publication. Staff of the Vital Records Registration and Statistics Unit, Office of Health Informatics, collected and compiled the death records. Joyce Knapton prepared the report and wrote the narrative. Patricia Nametz, Office of Health Informatics, edited the report. Draft review and comments were provided by Karl Pearson in the Office of Health Informatics. The report was prepared under the supervision of Jane Kraus, Supervisor, Registration and Statistics Unit, and John Kiesow, State Registrar, Vital Records Section.

Death, birth, hospitalization and other health-related statistical information for Wisconsin is also available through the Internet on the Department of Health Services website, at <http://dhs.wisconsin.gov/stats>. Wisconsin Interactive Statistics on Health (WISH) is a data query system that allows users to obtain death and other data tailored to their specifications, at <http://dhs.wisconsin.gov/wish>.

Comments, suggestions and requests for additional data may be addressed to:

Joyce Knapton
Office of Health Informatics
Division of Public Health
Department of Health Services
P.O. Box 309
Madison, WI 53701-0309
Telephone: (608) 267-7815
E-mail: Joyce.Knapton@dhs.wisconsin.gov

Suggested citation:

Wisconsin Department of Health Services, Division of Public Health, Office of Health Informatics. *Wisconsin Deaths, 2009* (P-45368-09). February 2011.

Table of Contents

Foreword	ii
Introduction	1
Key Findings	2
Deaths and Death Rates	
Table 1. Deaths and Death Rates, Wisconsin and U.S., Selected Years	3
Table 2. Deaths and Death Rates by Age and Sex, 2009.....	4
Table 3. Population, Deaths and Death Rates by Region of Residence, 2009	5
Table 4. Deaths by County of Residence, 1999-2009	6
Table 5. Deaths by County of Residence and Selected Minor Civil Divisions, 2009	8
Table 6. Deaths by County of Residence and Occurrence, 2009	12
Table 7. Deaths by Disposition of Body, 2000-2009	13
Table 8. Autopsies Performed by Age of Decedent, Selected Years, 1980-2009	14
Table 9. Deaths by Injury at Work by Age, Sex, Race and Hispanic Origin, 2009	15
Map 1. Number of Infant Deaths by County of Residence, 2009.....	16
Figure 1. Death Rates from Diseases of the Heart by Selected Age Groups and Sex, 2009	17
Figure 2. Death Rates from Malignant Neoplasms (Cancer) by Selected Age Groups and Sex, 2009.....	18
Figure 3. Death Rates from Cerebrovascular Diseases (Stroke) by Selected Age Groups and Sex, 2009.....	19
Cause of Death	
Table 10. Summary Categories of Cause of Death, 2009.....	20
Table 11. Leading Underlying Causes of Death by Age, 2008 and 2009	21
Table 12. Leading Underlying Causes of Death for Males, by Age, 2008 and 2009.....	24
Table 13. Leading Underlying Causes of Death for Females, by Age, 2008 and 2009	27
Table 14. Deaths by Underlying Cause of Death, Age and Sex, 2009.....	30
Table 15. Deaths by Underlying Cause of Death, Race and Sex, 2009.....	36
Table 16. Deaths by Underlying Cause of Death, Ethnicity and Sex, 2009	38
Table 17. Leading Underlying Causes of Death by Race, 2008 and 2009	39
Table 18. Leading Underlying Causes of Death for Males by Race, 2008 and 2009.....	41
Table 19. Leading Underlying Causes of Death for Females by Race, 2008 and 2009	43
Table 20. Leading Underlying Causes of Death by Ethnicity, 2008 and 2009	45
Table 21. Leading Underlying Causes of Death for Males by Ethnicity, 2008 and 2009	46
Table 22. Leading Underlying Causes of Death for Females by Ethnicity, 2008 and 2009	47
Table 23. Deaths by Underlying Cause of Death and County of Residence, 2009	48
Table 24. Deaths by Leading Specific Underlying Cause, 2009	55
Technical Notes	
Reporting Requirements	78
International Classification of Disease (ICD-10) Groupings	79
Map 2. Department of Health Services Regions	84
Table A1. Wisconsin Population Estimates by Age and Sex, July 1, 2009	85
Table A2. Wisconsin Population Estimates by Age and Sex, July 1, 2008	86
Table A3. Wisconsin Population Estimates by Race, Ethnicity and Sex, July 1, 2009	87
Table A4. Wisconsin Life Expectancy by Sex and Age Group, 2007-2009	88

Introduction

All tables and figures in this report present Wisconsin resident data (deaths of Wisconsin residents). This means that deaths have been assigned to the area where the person lived (usually legal residence), regardless of where the death occurred. Most of the deaths reported in this publication occurred in Wisconsin, although the State Vital Records Office receives death certificates of Wisconsin residents from other states and countries as well.

Chapter 69, Wisconsin Statutes, authorizes the Department of Health Services to supervise and direct the collection of death data. This statute also indicates how local registrars are to collect and file certificates for deaths that occur in their jurisdictions.

Beginning with 1999 data, causes of death have been coded using the International Classification of Diseases, Tenth Revision (ICD-10). ICD-10 replaced the ICD-9 that was used to code death data for the years 1979-1998. ICD-10 is a classification system that was developed collaboratively by the World Health Organization (WHO) and 10 international centers to reflect advances in medical science and changes in diagnostic terminology, and to promote international comparability in the presentation of mortality statistics.

A comparability table has been prepared to assist the reader in comparing numbers of deaths by cause between 1999 (and subsequent years) and the years before 1999. The table is available through the Internet on the Department of Health Services Web site at: <http://dhs.wisconsin.gov/deaths/>.

Key Findings

- In 2009, there were 45,598 deaths of Wisconsin residents, 928 fewer than in 2008.
- In 2009, the Wisconsin death rate (deaths per 1,000 population) was 8.0. This is the lowest rate ever reported for Wisconsin.
- Age-specific death rates for males generally exceed death rates for females. However, among persons aged 80 and older, the number of female deaths is greater than the number of male deaths (even though male death rates remain generally higher). This is because many more females than males live past the age of 80.
- Cremations continued to increase as a percentage of total deaths, while burials continued to decrease. Cremations constituted 43% of dispositions in 2009 (compared to 40% in 2008 and 27% in 2000); burials constituted 49% of total deaths in 2009 (compared to 52% in 2008 and 64% in 2000).
- In 2009, an autopsy was performed in just 7 percent of deaths, compared with 14 percent in 1980.
- In 2009, a total of 67 deaths were reported on death certificates as due to injuries at work. This was higher than the number reported for 2008 (60).
- As in 2008, the three leading underlying causes of death in 2009 were diseases of the heart, malignant neoplasms (cancer) and cerebrovascular diseases (stroke). These three causes of death accounted for 53 percent of total deaths among Wisconsin residents.
- Accidents were the leading underlying cause of death among males ages 1-14, 15-24 and 25-44. Cancer was the leading cause of death among men ages 45-84.
- Accidents were the leading underlying cause of death among females ages 1-14 and 15-24. Cancer was the leading cause of death among women ages 25-84.
- Diseases of the heart and cancer were the two leading underlying causes of death in each race group. In 2009, diseases of the heart accounted for 21 percent of deaths among African Americans, 24 percent of deaths among whites, 23 percent of deaths among American Indians and 16 percent of deaths among Asians. Cancer accounted for 23 percent of deaths among African Americans, 24 percent of deaths among whites, and 20 percent of deaths among both American Indians and Asians.
- Accidents were the third leading cause of death among males of all races. Accidents accounted for 14 percent of deaths among American Indian males, 6 percent of deaths among Asian males, 6 percent of deaths among white males and 8 percent of deaths among African American males.
- Among females in every race group, diseases of the heart and malignant neoplasms (cancer) were the two leading underlying causes of death in 2009.
- Diseases of the heart and malignant neoplasms were the leading causes of death among Hispanics/Latinos. In 2009, diseases of the heart accounted for 18 percent of deaths among Hispanics and 24 percent of deaths among non-Hispanics.
- There were 13 maternal deaths in 2009, fewer than in 2007 (15) but more than in 2008 (9). Maternal deaths are deaths attributed to pregnancy-related health conditions or events of delivery.

Table 1. Deaths and Death Rates, Wisconsin and United States, Selected Years, 1910-2009

Year	Number of Wisconsin Deaths	Wisconsin Death Rate	U.S. Death Rate
1910	28,213	12.1	14.7
1915	26,676	10.7	13.5
1920	29,859	11.3	13.0
1925	29,380	10.5	11.8
1930	30,488	10.4	11.3
1935	30,404	10.0	10.9
1940	31,457	10.0	10.8
1945	31,776	10.7	10.6
1950	33,573	9.7	9.6
1955	35,250	9.6	9.3
1960	38,121	9.6	9.5
1965	40,146	9.5	9.4
1970	40,820	9.2	9.5
1975	39,916	8.8	8.9
1980	40,801	8.7	8.8
1985	41,434	8.7	8.7
1990	42,655	8.7	8.6
1995	45,037	8.8	8.8
2000	46,405	8.7	8.7
2005	46,544	8.3	8.3
2006	46,051	8.2	8.1
2007	46,117	8.2	8.0
2008	46,526	8.2	8.1
2009	45,598	8.0	7.9

Source: Wisconsin data are from the Office of Health Informatics, Division of Public Health, Department of Health Services. U.S. death rates through 1995 are final data from the *Monthly Vital Statistics Reports* of the National Center for Health Statistics; this report is now titled *National Vital Statistics Reports*. U.S. death rates for 2000-2007 are final data from the *National Vital Statistics Reports*. The U.S. death rate for 2008 was taken from *National Vital Statistics Reports*, “Deaths: Preliminary Data for 2008,” Volume 59, No. 2, December 9, 2010. The U.S. death rate for 2009 was taken from *National Vital Statistics Reports*, “Births, Marriages, Divorces, and Deaths: Provisional Data for 2009,” Volume 58, No. 25, August 27, 2010.

Note: Rates shown here are deaths per 1,000 population.

- In 2009, there were 45,598 deaths of Wisconsin residents, 928 fewer than in 2008.
- In 2009, the Wisconsin death rate (deaths per 1,000 population) was 8.0. This was the lowest rate ever reported for Wisconsin.
- The Wisconsin death rate has been similar to the United States death rate every year since 1945.

Table 2. Deaths and Death Rates by Age and Sex, Wisconsin 2009

Age Group	Total		Male		Female	
	Number Of Deaths	Death Rate	Number of Deaths	Death Rate	Number of Deaths	Death Rate
All Ages	45,598	802.8	22,567	800.1	23,031	805.5
Under 1	426	601.5	257	710.5	169	487.8
1-4	68	23.0	41	27.2	27	18.7
5-9	27	7.5	16	8.8	11	6.3
10-14	51	14.2	27	14.7	24	13.6
15-19	199	49.0	133	64.0	66	33.3
20-24	282	67.2	220	103.3	62	30.0
25-29	280	74.6	198	102.5	82	45.0
30-34	303	90.6	205	119.0	98	60.4
35-39	439	123.9	280	155.8	159	44.9
40-44	688	176.4	408	207.2	280	144.9
45-49	1,176	262.9	736	328.6	440	197.0
50-54	1,723	399.9	1,058	489.0	665	310.0
55-59	2,174	579.5	1,361	723.7	813	434.6
60-64	2,794	939.3	1,720	1,168.2	1,074	715.0
65-69	3,006	1,365.4	1,816	1,725.4	1,190	1,035.6
70-74	3,741	2,175.8	2,046	2,565.2	1,695	1,838.8
75-79	5,098	3,588.9	2,736	4,403.0	2,362	2,955.8
80-84	6,853	5942.1	3,415	7,382.2	3,438	4,977.6
85-89	7,762	10,203.8	3,306	13,239.9	4,456	8,720.2
90-94	5,629	18,099.7	1,910	22,874.3	3,719	16,347.3
95 +	2,879	34,561.8	678	37,252.7	2,201	33,809.5

Source: Office of Health Informatics, Division of Public Health, Department of Health Services. For the population data used to calculate rates, see Technical Notes, page 85.

Notes: Rates by age and sex are deaths per 100,000 population in that age group or age/sex group.

- Age-specific death rates generally increase with age, except that the death rate for infants (under age one) is higher than that for children in other age groups.
- Age-specific death rates for males generally exceed death rates for females. However, among persons aged 80 and older, the number of female deaths is greater than the number of male deaths (even though male death rates remain generally higher). This is because many more females than males live past the age of 80.

Table 3. Population, Deaths and Death Rates by Region of Residence, Wisconsin 2009

DHS Regions	Estimated Population	Number of Deaths	Death Rate
State Total	5,679,890	45,598	802.8
Northeastern	1,229,550	10,045	817.0
Northern	501,620	4,530	903.1
Southeastern	2,085,240	16,597	795.9
Southern	1,088,010	8,143	748.4
Western	775,470	6,282	810.1

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Population numbers may not sum to total due to rounding. Rates shown here are deaths per 100,000 population. For a map of the Department of Health Services Regions, see Technical Notes, page 84. Effective with 2003 data, Vernon County is included in the Southern Region instead of the Western Region. There is one death included in the state total for which county of residence is unknown.

- In 2009, death rates ranged from a low of 748.4 per 100,000 population in the Department of Health Services' Southern Region to a high of 903.1 in the Northern Region. Differences in the death rate by region reflect many factors, including the age distribution of the region's population.

Deaths and Death Rates

Table 4. Deaths by County of Residence, Wisconsin 2000–2009

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
State Total	46,405	46,537	46,893	46,040	45,488	46,544	46,051	46,117	46,526	45,598
Adams	226	249	218	239	220	225	218	250	202	227
Ashland	206	201	210	191	210	205	164	203	188	172
Barron	442	475	505	474	431	487	484	467	452	461
Bayfield	153	165	157	127	145	149	129	157	146	180
Brown	1,591	1,598	1,573	1,565	1,559	1,626	1,619	1,641	1,684	1,573
Buffalo	123	131	130	145	111	117	117	116	140	123
Burnett	183	195	212	193	174	182	181	166	153	144
Calumet	252	242	246	235	273	265	252	288	277	303
Chippewa	533	521	534	497	464	522	465	507	501	513
Clark	307	300	352	348	353	339	312	296	339	325
Columbia	508	551	519	485	496	498	465	502	502	480
Crawford	178	175	176	175	165	169	175	178	162	164
Dane	2,512	2,663	2,677	2,657	2,633	2,648	2,606	2,777	2,746	2,742
Dodge	848	855	895	919	823	826	871	871	844	841
Door	315	316	316	290	289	314	274	286	312	329
Douglas	454	410	454	450	448	425	448	439	415	394
Dunn	280	258	298	262	270	260	287	288	313	284
Eau Claire	639	736	703	687	700	704	772	719	708	697
Florence	63	53	48	53	54	45	51	46	56	48
Fond du Lac	908	940	877	866	887	1,000	941	932	915	842
Forest	131	104	102	109	101	103	128	120	120	106
Grant	495	525	465	496	506	484	518	511	477	466
Green	322	318	340	324	305	316	301	331	315	334
Green Lake	243	227	255	246	223	230	237	190	255	224
Iowa	195	213	191	189	202	177	197	185	204	164
Iron	84	86	87	92	89	110	78	85	76	87
Jackson	219	204	191	212	214	189	176	202	164	170
Jefferson	608	569	569	620	588	608	572	577	641	624
Juneau	264	275	262	311	279	278	267	277	269	258
Kenosha	1,222	1,228	1,249	1,266	1,295	1,253	1,260	1,306	1,254	1,215
Kewaunee	189	203	185	171	184	182	181	195	167	183
La Crosse	888	950	889	875	892	818	904	936	906	904
Lafayette	144	122	147	156	141	130	136	142	153	133
Langlade	220	238	244	236	244	233	216	242	251	228
Lincoln	333	314	346	294	287	316	296	286	322	290
Manitowoc	852	818	823	751	763	742	792	817	821	772

(continued)

Deaths and Death Rates

Table 4. Deaths by County of Residence, Wisconsin 2000–2009

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Marathon	924	974	990	946	925	976	932	1,035	1,092	1,019
Marinette	470	530	502	524	473	493	520	482	466	450
Marquette	174	180	166	169	167	185	180	159	155	161
Menominee	36	40	29	34	44	45	26	37	42	47
Milwaukee	9,063	8,855	9,022	8,614	8,492	8,605	8,190	8,151	8,026	7,856
Monroe	414	376	433	415	407	399	382	384	421	401
Oconto	357	347	315	329	327	327	323	315	349	347
Oneida	431	360	401	355	422	421	421	422	385	429
Outagamie	1,109	1,083	1,123	1,147	1,113	1,194	1,141	1,190	1,188	1,143
Ozaukee	583	615	568	620	635	605	678	690	679	688
Pepin	73	70	88	90	70	66	70	76	56	81
Pierce	244	208	251	228	232	229	215	232	249	242
Polk	376	396	417	419	397	401	404	406	448	409
Portage	404	452	463	417	454	491	459	481	460	448
Price	207	191	186	202	215	200	182	192	182	159
Racine	1,616	1,605	1,489	1,492	1,498	1,537	1,607	1,495	1,600	1,517
Richland	185	182	197	180	166	164	169	183	183	177
Rock	1,335	1,336	1,296	1,308	1,306	1,409	1,402	1,267	1,335	1,311
Rusk	168	212	179	170	176	191	167	147	158	159
St. Croix	444	424	484	464	413	429	435	443	473	519
Sauk	485	545	509	507	511	505	523	563	573	552
Sawyer	183	212	207	189	153	184	204	172	188	189
Shawano	476	431	457	445	422	448	429	413	448	375
Sheboygan	1,083	1,008	1,092	992	1,037	1,089	1,098	991	1,014	1,021
Taylor	176	192	202	172	159	196	149	175	195	191
Trempealeau	298	321	284	318	260	280	295	331	288	262
Vernon	330	335	309	286	271	324	281	296	294	294
Vilas	251	264	260	240	223	235	271	274	291	282
Walworth	826	787	815	788	871	860	845	806	789	844
Washburn	198	187	180	173	174	193	179	163	174	194
Washington	795	827	851	892	872	868	874	924	903	940
Waukesha	2,795	2,665	2,833	2,743	2,715	2,903	2,914	2,731	3,037	2,913
Waupaca	634	684	624	711	653	677	714	685	676	697
Waushara	243	282	250	268	296	237	246	271	249	223
Winnebago	1,194	1,270	1,280	1,315	1,247	1,258	1,321	1,272	1,330	1,355
Wood	695	663	696	672	674	745	714	731	679	702

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: There is one record included in the total for 2009 for which county of residence was unknown.

Deaths and Death Rates

Table 5. Deaths by County of Residence and Selected Minor Civil Divisions, Wisconsin 2009

STATE TOTAL	45,598	Menasha (C) (Pt.)	13	Mount Horeb (V)	41
Urban*	35,017	New Holstein (C)	51	Oregon (T)	7
Balance of County	10,581	Sherwood (V)	10	Oregon (V)	60
ADAMS	227	Balance of County	71	Pleasant Springs (T)	10
Rome (T)	9	CHIPPEWA	513	Springfield (T)	6
Balance of County	218	Bloomer (C)	48	Stoughton (C)	174
ASHLAND	172	Chippewa Falls (C)	199	Sun Prairie (C)	174
Ashland (C)	103	Eagle Point (T)	16	Verona (C)	84
Balance of County	69	Eau Claire (C) (Pt.)	8	Waunakee (V)	95
BARRON	461	Lafayette (T)	27	Westport (T)	18
Barron (C)	44	Lake Hallie (V)	33	Windsor (T)	19
Rice Lake (C)	131	Stanley (C)	27	Balance of County	212
Rice Lake (T)	7	Wheaton (T)	10	DODGE	841
Balance of County	279	Balance of County	145	Ashippun (T)	13
BAYFIELD	180	CLARK	325	Beaver Dam (C)	177
BROWN	1,573	Neillsville (C)	51	Beaver Dam (T)	19
Allouez (V)	134	Balance of County	274	Fox Lake (T)	5
Ashwaubenon (V)	135	COLUMBIA	480	Hartford (C) (Pt.)	1
Bellevue (V)	70	Columbus (C) (Pt.)	57	Horicon (C)	25
De Pere (C)	168	Lodi (C)	26	Juneau (C)	37
Green Bay (C)	741	Lodi (T)	9	Mayville (C)	59
Hobart (V)	28	Pacific (T)	13	Watertown (C) (Pt.)	163
Howard (V) (Pt.)	64	Portage (C)	107	Waupun (C) (Pt.)	84
Lawrence (T)	17	Portage (C)	107	Balance of County	258
Ledgeview (T)	40	Poynette (V)	19	DOOR	329
Pittsfield (T)	9	Balance of County	249	Sevastopol (T)	17
Pulaski (V) (Pt.)	35	CRAWFORD	164	Sturgeon Bay (C)	151
Scott (T)	11	Prairie du Chien (C)	83	Balance of County	161
Suamico (V)	44	Balance of County	81	DOUGLAS	394
Wrightstown (V) (Pt.)	11	DANE	2,742	Superior (C)	278
Balance of County	66	Bristol (T)	9	Balance of County	116
BUFFALO	123	Burke (T)	5	DUNN	284
Mondovi (C)	52	Cottage Grove (T)	10	Menomonie (C)	146
Balance of County	71	Cottage Grove (V)	24	Menomonie (T)	14
BURNETT	144	Cross Plains (V)	21	Balance of County	124
CALUMET	303	DeForest (V)	56	EAU CLAIRE	697
Appleton (C) (Pt.)	34	Dunn (T)	24	Altoona (C)	81
Brillion (C)	26	Fitchburg (C)	87	Eau Claire (C) (Pt.)	466
Chilton (C)	65	Madison (C)	1,345	Pleasant Valley (T)	10
Harrison (T)	29	Madison (T)	2	Seymour (T)	12
Kiel (C) (Pt.)	4	Marshall (V)	26	Union (T)	9
		McFarland (V)	45	Washington (T)	24
		Middleton (C)	122	Balance of County	95
		Middleton (T)	19		
		Monona (C)	47		

* "Urban" is the sum of incorporated places having a population of 2,500 or more according to the latest estimates available.

Deaths and Death Rates

FLORENCE	48	JUNEAU	258	MARATHON	1,019
		Mauston (C)	59	Kronenwetter (V)	38
FOND DU LAC	842	Necedah (T)	10	Marshfield (C) (Pt.)	27
Empire (T)	8	Balance of County	189	Mosinee (C)	21
Fond du Lac (C)	472	KENOSHA	1,215	Rib Mountain (T)	36
Fond du Lac (T)	6	Bristol (T)	49	Rothschild (V)	29
Friendship (T)	11	Kenosha (C)	829	Wausau (C)	438
No. Fond du Lac (V)	30	Paddock Lake (V)	8	Weston (V)	113
Ripon (C)	86	Pleasant Prairie (V)	116	Balance of County	317
Taycheedah (T)	16	Randall (T)	15	MARINETTE	450
Waupun (C) (Pt.)	17	Salem (T)	69	Marinette (C)	136
Balance of County	196	Somers (T)	39	Peshtigo (C)	90
FOREST	106	Twin Lakes (V)	42	Peshtigo (T)	22
		Wheatland (T)	21	Stephenson (T)	20
GRANT	466	Balance of County	27	Balance of County	182
Boscobel (C)	33	KEWAUNEE	183	MARQUETTE	161
Lancaster (C)	57	Algoma (C)	55	MENOMINEE	47
Platteville (C)	74	Kewaunee (C)	46	Menominee (T)	47
Balance of County	302	Balance of County	82	MILWAUKEE	7,856
GREEN	334	LA CROSSE	904	Bayside (V) (Pt.)	34
Brodhead (C) (Pt.)	37	Campbell (T)	25	Brown Deer (V)	92
Monroe (C)	149	Holland (T)	16	Cudahy (C)	195
Balance of County	148	Holmen (V)	44	Fox Point (V)	58
GREEN LAKE	224	La Crosse (C)	505	Franklin (C)	222
Berlin (C) (Pt.)	61	Onalaska (C)	145	Glendale (C)	180
Balance of County	163	Onalaska (T)	13	Greendale (V)	128
IOWA	164	Shelby (T)	11	Greenfield (C)	527
Dodgeville (C)	36	West Salem (V)	65	Hales Corners (V)	84
Mineral Point (C)	31	Balance of County	80	Milwaukee (C) (Pt.)	4,462
Balance of County	97	LAFAYETTE	133	Oak Creek (C)	237
IRON	87	LANGLADE	228	Shorewood (V)	67
		Antigo (C)	116	South Milwaukee (C)	230
JACKSON	170	Balance of County	112	St. Francis (C)	99
Black River Falls (C)	65	LINCOLN	290	Wauwatosa (C)	492
Brockway (T)	19	Bradley (T)	29	West Allis (C)	639
Balance of County	86	Merrill (C)	138	West Milwaukee (V)	32
JEFFERSON	624	Merrill (T)	11	Whitefish Bay (V)	66
Ft. Atkinson (C)	129	Tomahawk (C)	58	Balance of County	12
Ixonia (T)	20	Balance of County	54	MONROE	401
Jefferson (C)	98	MANITOWOC	772	Sparta (C)	107
Koshkonong (T)	21	Kiel (C) (Pt.)	31	Sparta (T)	23
Lake Mills (C)	47	Manitowoc (C)	448	Tomah (C)	124
Oakland (T)	34	Manitowoc Rapids (T)	22	Balance of County	147
Waterloo (C)	18	Two Rivers (C)	115		
Watertown (C) (Pt.)	105	Balance of County	156		
Whitewater (C) (Pt.)	2				
Balance of County	150				

Deaths and Death Rates

OCONTO	347	POLK	409	RUSK	159
Chase (T)	11	Alden (T)	14	Ladysmith (C)	72
Little Suamico (T)	28	Amery (C)	77	Balance of County	87
Oconto (C)	57	Lincoln (T)	8		
Oconto Falls (C)	52	Osceola (T)	8	ST. CROIX	519
Balance of County	199	Osceola (V)	18	Baldwin (V)	37
		Balance of County	284	Hudson (C)	123
				Hudson (T)	7
ONEIDA	429	PORTAGE	448	New Richmond (C)	104
Minocqua (T)	65	Hull (T)	14	North Hudson (V)	19
Newbold (T)	19	Plover (V)	57	Richmond (T)	4
Pelican (T)	17	Stevens Point (C)	218	River Falls (C) (Pt.)	53
Pine Lake (T)	17	Stockton (T)	10	Somerset (T)	11
Rhineland (C)	142	Balance of County	149	St. Joseph (T)	9
Balance of County	169			Star Prairie (T)	11
				Troy (T)	12
				Balance of County	129
OUTAGAMIE	1,143	PRICE	159		
Appleton (C) (Pt.)	439	Park Falls (C)	48	SAUK	552
Buchanan (T)	23	Balance of County	111	Baraboo (C)	124
Center (T)	10			Lake Delton (V)	21
Combined Locks (V)	14	RACINE	1,517	Prairie du Sac (V)	28
Dale (T)	6	Burlington (C) (Pt.)	145	Reedsburg (C)	88
Ellington (T)	10	Burlington (T)	25	Sauk City (V)	73
Freedom (T)	21	Caledonia (V)	132	Balance of County	218
Grand Chute (T)	148	Dover (T)	43		
Greenville (T)	32	Mt. Pleasant (V)	231	SAWYER	189
Hortonville (V)	16	Norway (T)	43	Hayward (T)	41
Kaukauna (C)	140	Racine (C)	631	Balance of County	148
Kimberly (V)	47	Raymond (T)	15		
Little Chute (V)	79	Rochester (T)	3	SHAWANO	375
New London (C) (Pt.)	5	Sturtevant (V)	55	Shawano (C)	111
Oneida (T)	24	Union Grove (V)	88	Wescott (T)	27
Seymour (C)	47	Waterford (T)	30	Balance of County	237
Balance of County	82	Waterford (V)	41		
		Yorkville (T)	12	SHEBOYGAN	1,021
		Balance of County	23	Greenbush (T)	4
OZAUKEE	688			Howards Grove (V)	10
Bayside (V) (Pt.)	1	RICHLAND	177	Lima (T)	17
Cedarburg (C)	149	Richland Center (C)	62	Oostburg (V)	18
Cedarburg (T)	28	Balance of County	115	Plymouth (C)	113
Grafton (T)	16			Plymouth (T)	31
Grafton (V)	76	ROCK	1,311	Sheboygan (C)	576
Mequon (C)	180	Beloit (C)	382	Sheboygan (T)	13
Port Washington (C)	124	Beloit (T)	37	Sheboygan Falls (C)	80
Saukville (V)	12	Brodhead (C) (Pt.)	7	Wilson (T)	20
Thiensville (V)	20	Edgerton (C) (Pt.)	57	Balance of County	139
Balance of County	82	Evansville (C)	53		
		Fulton (T)	22	TAYLOR	191
PEPIN	81	Janesville (C)	510	Medford (C)	73
		Janesville (T)	8	Balance of County	118
PIERCE	242	Milton (C)	46		
Ellsworth (V)	48	Milton (T)	21		
Prescott (C)	23	Rock (T)	21		
River Falls (C) (Pt.)	42	Balance of County	147		
Balance of County	129				

Deaths and Death Rates

TREMPEALEAU	262	Germantown (V)	129	Waukesha (T)	9
		Hartford (C)	135	Balance of County	286
VERNON	294	Hartford (T)	22		
Viroqua (C)	77	Jackson (T)	18	WAUPACA	697
Balance of County	217	Jackson (V)	40	Clintonville (C)	43
		Kewaskum (V)	23	Dayton (T)	20
VILAS	282	Polk (T)	22	Farmington (T)	181
Arbor Vitae (T)	25	Richfield (T)	9	Mukwa (T)	11
Lac Du Flambeau (T)	43	Slinger (V)	29	New London (C) (Pt.)	73
Lincoln (T)	29	Trenton (T)	14	Waupaca (C)	121
Balance of County	185	West Bend (C)	274	Balance of County	248
		West Bend (T)	74		
WALWORTH	844	Balance of County	83	WAUSHARA	223
Bloomfield (T)	42			Berlin (C) (Pt.)	1
Delavan (C)	81	WAUKESHA	2,913	Balance of County	222
Delavan (T)	42	Brookfield (C)	434		
East Troy (T)	17	Brookfield (T)	23	WINNEBAGO	1,355
East Troy (V)	50	Delafield (C)	33	Algoma (T)	19
Elkhorn (C)	104	Delafield (T)	28	Appleton (C) (Pt.)	45
Geneva (T)	39	Elm Grove (V)	55	Black Wolf (T)	17
Genoa City (V)	21	Genesse (T)	19	Clayton (T)	19
La Grange (T)	16	Hartland (V)	55	Menasha (C) (Pt.)	117
Lake Geneva (C)	90	Lisbon (T)	43	Menasha (T)	159
Lyons (T)	31	Menomonee Falls (V)	304	Neenah (C)	218
Sugar Creek (T)	30	Merton (T)	27	Neenah (T)	12
Walworth (V)	32	Merton (V)	9	Omro (C)	41
Whitewater (C) (Pt.)	84	Mukwonago (T)	27	Oshkosh (C)	561
Williams Bay (V)	33	Mukwonago (V) (Pt.)	70	Oshkosh (T)	15
Balance of County	132	Muskego (C)	193	Balance of County	132
		New Berlin (C)	314		
WASHBURN	194	Oconomowoc (C)	151	WOOD	702
Spoooner (C)	59	Oconomowoc (T)	50	Grand Rapids (T)	24
Balance of County	135	Ottawa (T)	12	Marshfield (C) (Pt.)	196
		Pewaukee (V)	71	Nekoosa (C)	38
WASHINGTON	940	Summit (T)	24	Saratoga (T)	24
Addison (T)	14	Sussex (V)	76	Wisc. Rapids (C)	237
Barton (T)	13	Vernon (T)	32	Balance of County	183
Erin (T)	17	Wales (V)	7		
Farmington (T)	24	Waukesha (C)	561		

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Minor civil divisions are City (C), Village (V) and Township (T). Places located in more than one county are indicated by (Pt.) (an abbreviation of "Part").

There is one death included in the state total and state "balance of county" total for which place of residence was unknown.

Deaths and Death Rates

Table 6. Deaths by County of Residence and County of Occurrence, Wisconsin 2009

	Residence	Occurrence		Residence	Occurrence
State Total	45,598	45,511			
Adams	227	145	Marathon	1,019	1,135
Ashland	172	203	Marinette	450	472
Barron	461	417	Marquette	161	88
Bayfield	180	100	Menominee	47	17
Brown	1,573	1,937	Milwaukee	7,856	8,655
Buffalo	123	80	Monroe	401	361
Burnett	144	102	Oconto	347	256
Calumet	303	209	Oneida	429	473
Chippewa	513	389	Outagamie	1,143	1,175
Clark	325	224	Ozaukee	688	739
Columbia	480	440	Pepin	81	61
Crawford	164	152	Pierce	242	165
Dane	2,742	3,520	Polk	409	359
Dodge	841	768	Portage	448	375
Door	329	284	Price	159	141
Douglas	394	244	Racine	1,517	1,326
Dunn	284	256	Richland	177	146
Eau Claire	697	985	Rock	1,311	1,234
Florence	48	30	Rusk	159	118
Fond du Lac	842	870	St. Croix	519	457
Forest	106	76	Sauk	552	530
Grant	466	409	Sawyer	189	161
Green	334	295	Shawano	375	319
Green Lake	224	184	Sheboygan	1,021	1,012
Iowa	164	135	Taylor	191	169
Iron	87	50	Trempealeau	262	211
Jackson	170	151	Vernon	294	247
Jefferson	624	486	Vilas	282	194
Juneau	258	189	Walworth	844	702
Kenosha	1,215	1,185	Washburn	194	164
Kewaunee	183	99	Washington	940	819
La Crosse	904	1,262	Waukesha	2,913	2,839
Lafayette	133	80	Waupaca	697	592
Langlade	228	224	Waushara	223	145
Lincoln	290	246	Winnebago	1,335	1,442
Manitowoc	772	668	Wood	702	1,026

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: The “residence” column indicates the number of deaths among residents of the county, regardless of where the person died. The “occurrence” column indicates the number of deaths that occurred in that county, regardless of where the person resided. Statewide totals for the two columns differ because some Wisconsin resident deaths occur outside the state, and some deaths of non-residents occur within the state.

The total for resident deaths includes one death with an unknown county of residence.

Table 7. Deaths by Disposition of Body, Wisconsin 1999-2009

Disposition of Body	Years									
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
TOTAL DEATHS	46,405	46,537	46,893	46,040	45,488	46,544	46,051	46,117	46,526	45,598
PERCENT	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Burial	29,720	29,044	28,874	27,689	26,531	26,769	25,653	25,001	24,110	22,417
Percent	64.0	62.4	61.6	60.1	58.3	57.5	55.7	54.2	51.8	49.2
Cremation	12,483	13,160	13,790	14,287	15,044	15,884	16,550	17,337	18,687	19,636
Percent	26.9	28.3	29.4	31.0	33.1	34.1	35.9	37.6	40.2	43.1
Entombment	3,694	3,827	3,698	3,566	3,515	3,567	3,397	3,321	3,273	3,149
Percent	8.0	8.2	7.9	7.7	7.7	7.7	7.4	7.2	7.0	6.9
Donation	261	231	305	251	249	274	267	245	258	262
Percent	0.6	0.5	0.7	0.5	0.5	0.6	0.6	0.5	0.6	0.6
Unknown	247	275	226	247	149	50	184	213	198	134
Percent	0.5	0.6	0.5	0.5	0.3	0.1	0.4	0.5	0.4	0.3

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Percents may not add to 100 due to rounding.

“Donation” means the body was donated for use in medical research and/or education.

“Entombment” means the casket is placed in an above-ground structure, such as a mausoleum.

“Unknowns” are due to reporting of Wisconsin resident deaths occurring in other states. Some states do not consistently report disposition of the body.

- Cremations continued to increase as a percentage of total deaths, while burials continued to decrease. Cremations constituted 43 percent of dispositions in 2009 (compared to 40% in 2008 and 27% in 2000); burials constituted 49 percent of total deaths in 2009 (compared to 52% in 2008 and 64% in 2000).

Table 8. Autopsies Performed by Age of Decedent, Wisconsin, Selected Years, 1980–2009

Years	Total	Age			
		Under 1	1-44	45-64	65+
1980					
Autopsy	5,673	469	1,065	1,649	2,490
No Autopsy	35,010	290	1,742	5,590	27,388
Unknown	116	6	5	17	88
Total Deaths	40,801	765	2,812	7,256	29,966
Percent with Autopsy	14%	61%	38%	23%	8%
1990					
Autopsy	4,451	343	1,297	1,107	1,704
No Autopsy	38,062	264	1,471	5,020	31,307
Unknown	142	6	9	25	102
Total Deaths	42,655	613	2,777	6,152	33,113
Percent with Autopsy	10%	56%	47%	18%	5%
2000					
Autopsy	3,582	183	1,240	1,139	1,020
No Autopsy	42,607	273	1,508	5,306	35,520
Unknown	215	1	20	37	157
Total Deaths	46,405	457	2,768	6,482	36,697
Percent with Autopsy	8%	40%	45%	18%	3%
2009					
Autopsy	3,378	144	1,177	1,416	641
No Autopsy	42,136	281	1,156	6,432	34,267
Unknown	84	1	14	19	60
Total Deaths	45,598	426	2,337	7,867	34,968
Percent with Autopsy	7%	34%	50%	18%	2%

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: There were two deaths in 1980 and one death in 2000 for which age was unknown.

These deaths are included in “Total Deaths” for each year.

- In 2009, an autopsy was performed in just 7 percent of deaths, compared with 14 percent in 1980.
- Autopsies are performed most frequently among children and young adults. In 2009, an autopsy was performed in 50 percent of deaths in which the decedent was aged 1-44.

Deaths and Death Rates

Table 9. Deaths by Injury at Work by Age, Sex, Race and Hispanic Origin, Wisconsin, 2009

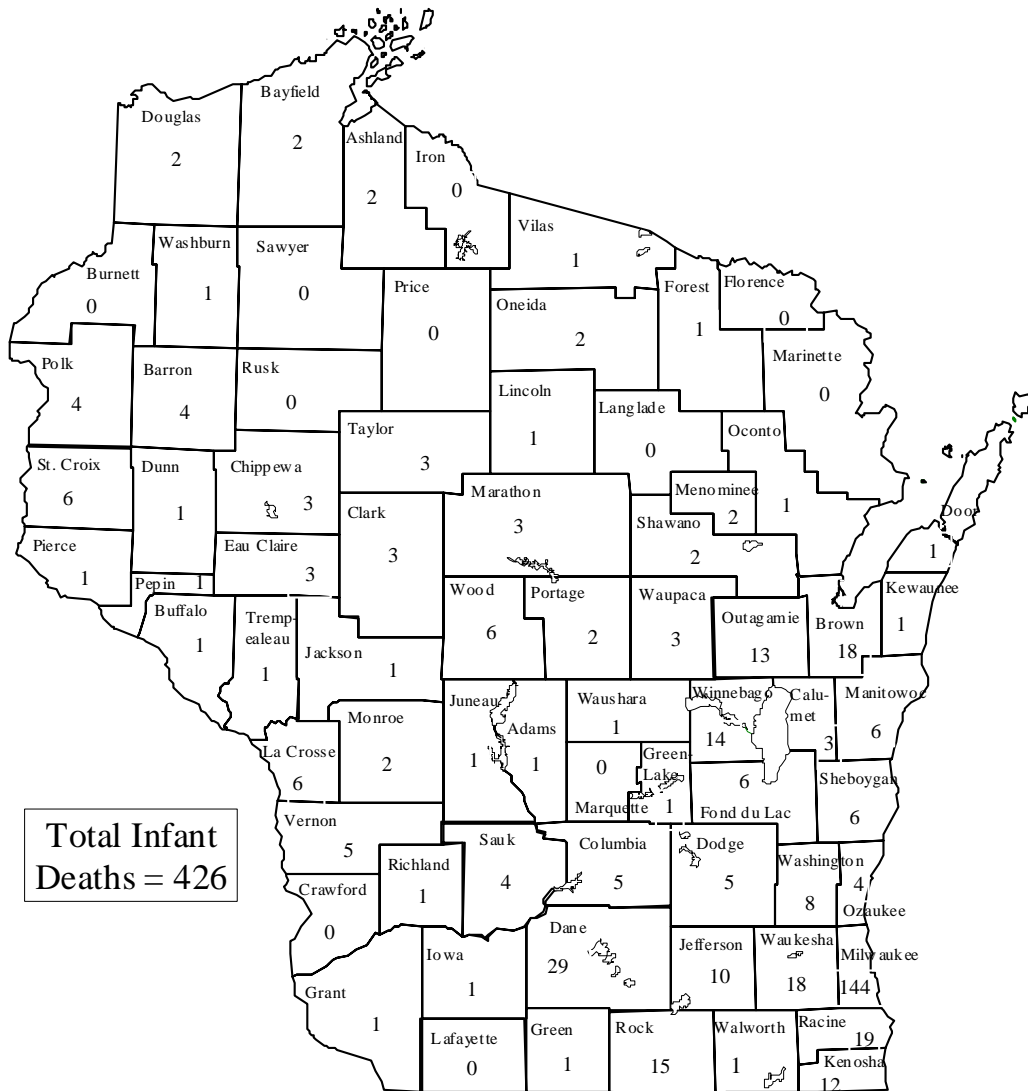
	Age							
	Less than 15	15 and over	15-24	25-34	35-44	45-54	55-64	65 and over
ALL RACES, Both Sexes	1	66	6	8	6	20	12	14
Male	1	62	4	7	6	20	12	13
Female	---	4	2	1	---	---	---	1
White, Both Sexes	1	64	6	7	5	20	12	14
Male	1	60	4	6	5	20	12	13
Female	---	4	2	1	---	---	---	1
Black, Both Sexes	---	1	---	---	1	---	---	---
Male	---	1	---	---	1	---	---	---
Female	---	---	---	---	---	---	---	---
Other, Both Sexes	---	1	---	1	---	---	---	---
Male	---	1	---	1	---	---	---	---
Female	---	---	---	---	---	---	---	---
Hispanic, Both Sexes	---	2	1	---	---	---	1	---
Male	---	2	1	---	---	---	1	---
Female	---	---	---	---	---	---	---	---
Non-Hispanic, Both Sexes	1	64	5	8	6	20	11	14
Male	1	60	3	7	6	20	11	13
Female	---	4	2	1	---	---	---	1

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Race categories may include people of Hispanic origin; people of Hispanic origin may be of any race. This table shows the number of death certificates that specified that an injury at work contributed to the death, either as the underlying cause or as a contributing factor. Dashes (---) indicate that there were no deaths in that category.

- In 2009, a total of 67 deaths were reported on death certificates as due to injuries at work; this was higher than the 2008 total (61).
- Ninety-four percent of deaths due to injuries at work in 2009 were to males.

**Map 1. Number of Infant Deaths
By County of Residence, Wisconsin 2009**

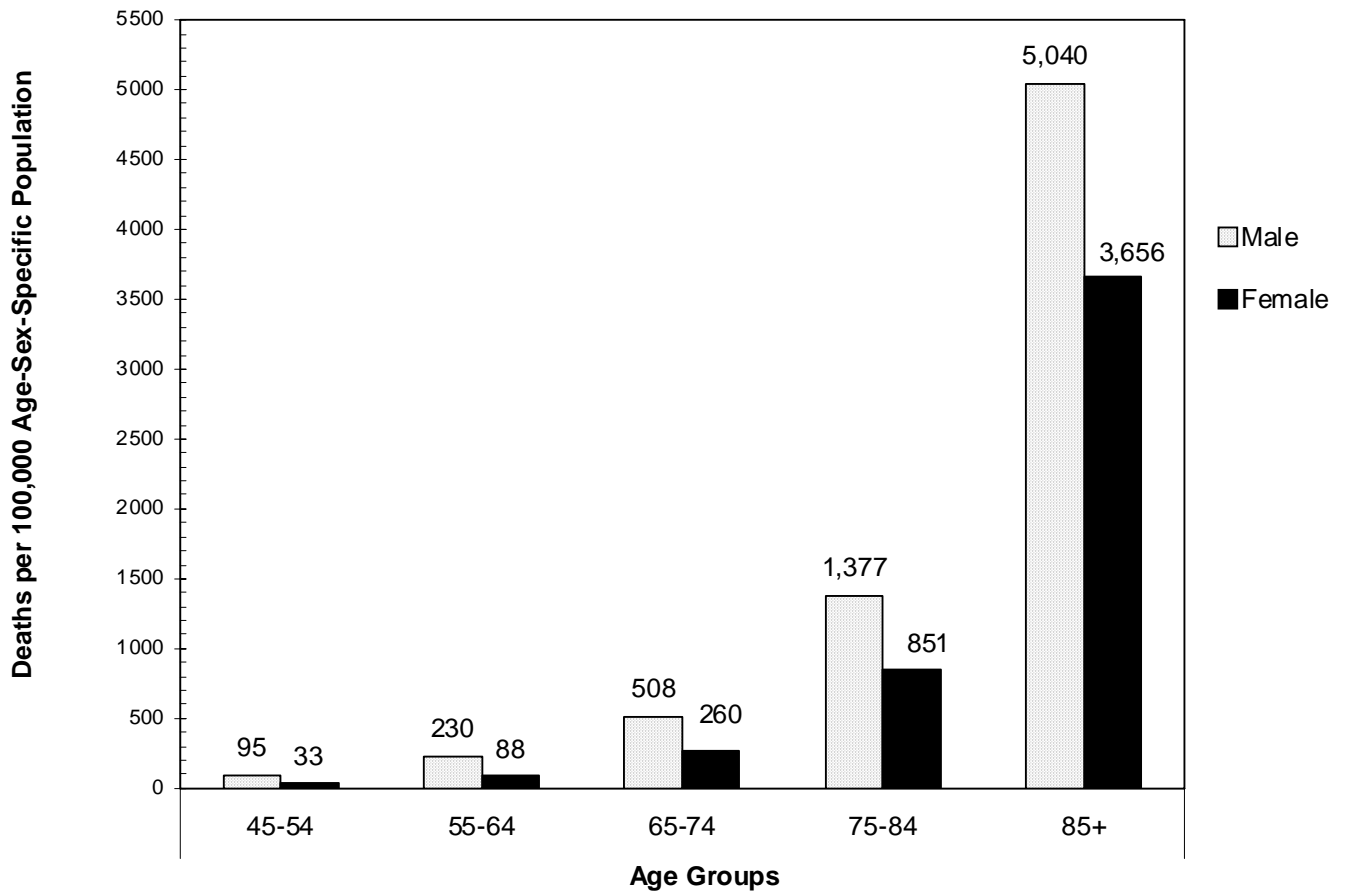


Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: Infant deaths are those that occur before one year of age.

- Milwaukee County accounted for 34 percent of all infant deaths statewide in 2009, a higher percentage than in 2008. Milwaukee County had 21 percent of all Wisconsin resident births in 2009.

Figure 1. Heart Disease Death Rates by Selected Age Groups and Sex, Wisconsin 2009

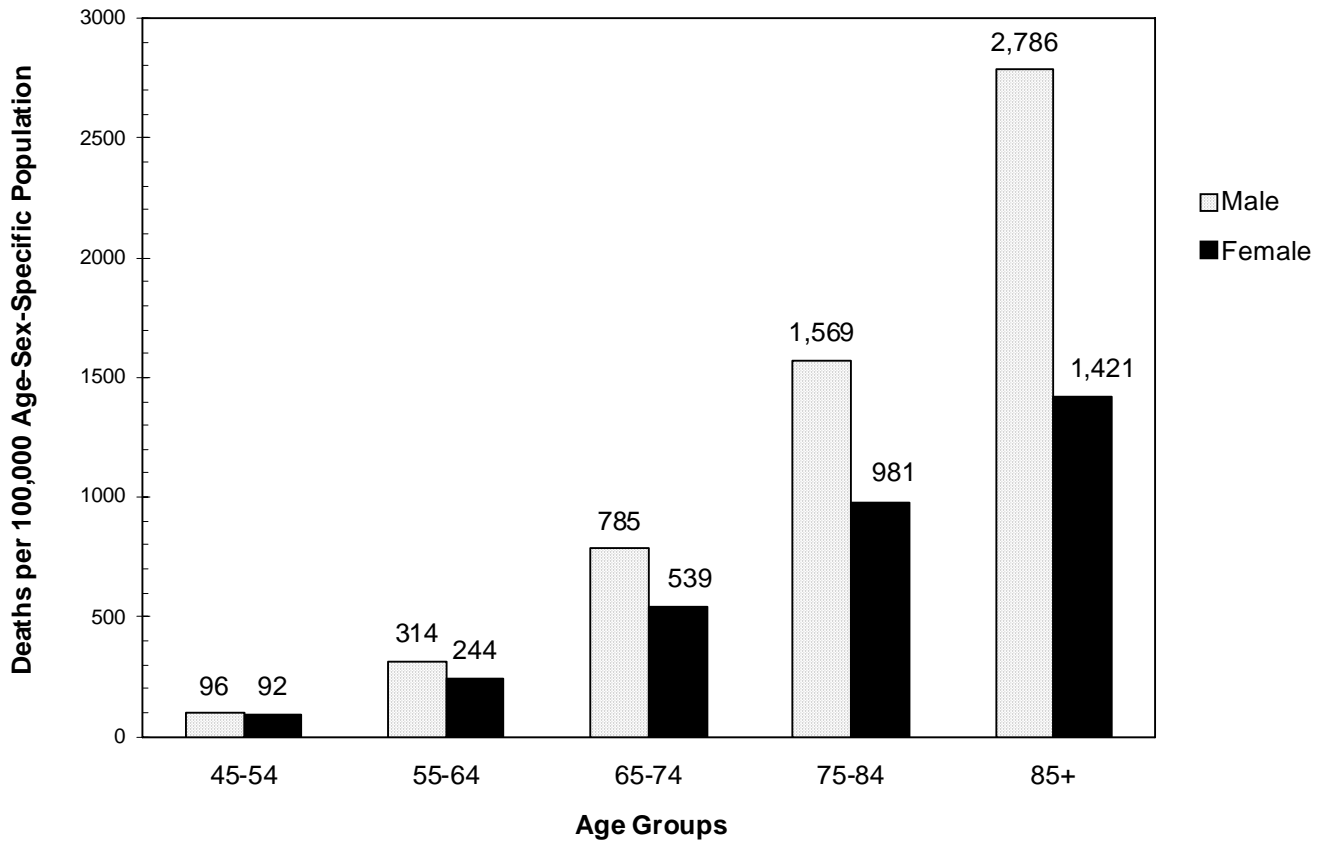


Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: The ICD-10 codes used for diseases of the heart are I00-I09, I11, I13, I20-I51.

- Death rates from diseases of the heart for males exceeded rates for females in all age groups.

Figure 2. Malignant Neoplasm (Cancer) Death Rates by Selected Age Groups and Sex, Wisconsin 2009

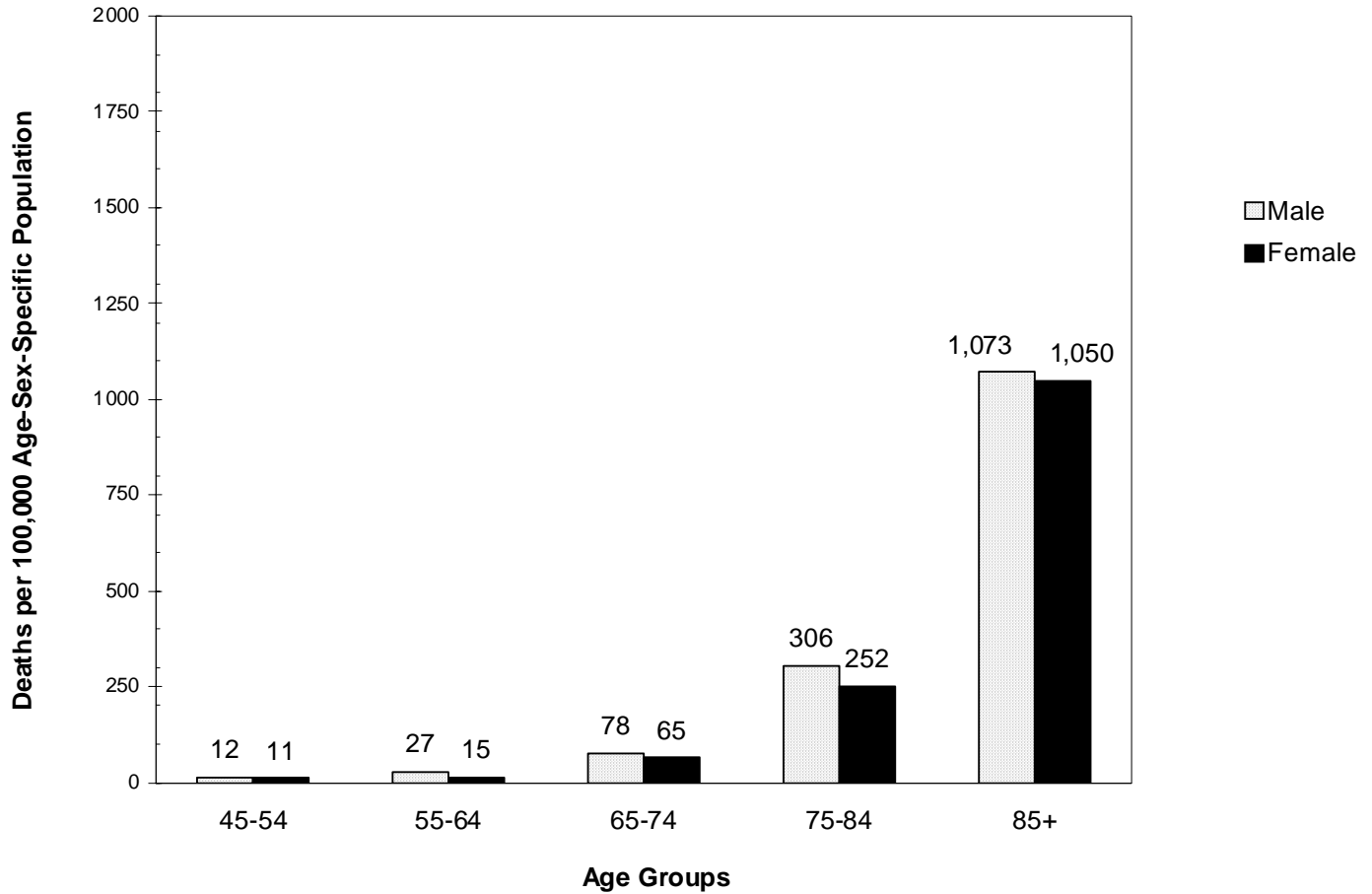


Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: The ICD-10 codes used for malignant neoplasms are C00-C97.

- Cancer death rates for males exceeded rates for females in all age groups.

Figure 3. Cerebrovascular Diseases (Stroke) Death Rates by Selected Age Groups and Sex, Wisconsin 2009



Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: The ICD-10 codes used for cerebrovascular diseases are I60-I69.

- Death rates from cerebrovascular diseases (stroke) for males exceeded rates for females in all age groups.

Cause of Death

Table 10. Summary Categories of Cause of Death, Wisconsin 2009

	Immediate Cause of Death	Underlying Cause of Death	All-Mention Cause of Death
ALL CAUSES	45,598	45,598	99,190
Tuberculosis	5	10	21
Human Immunodeficiency Virus (HIV)	16	48	51
Malignant Neoplasms	9,353	10,845	11,876
Diabetes Mellitus	146	1,107	4,378
Alzheimer's Disease	1,129	1,610	2,081
Diseases of the Heart	11,577	10,794	18,011
Essential Hypertension and Hypertensive Renal Disease	97	419	5,179
Cerebrovascular Diseases	2,503	2,499	4,127
Atherosclerosis	102	107	672
Other Diseases of Circulatory System	305	448	1,158
Influenza and Pneumonia	2,080	977	3,397
Chronic Lower Respiratory Diseases	1,443	2,458	4,769
Peptic Ulcer	25	60	108
Chronic Liver Disease and Cirrhosis	221	497	697
Nephritis, Nephrotic Syndrome and Nephrosis	1,480	991	4,766
Pregnancy, Childbirth and the Puerperium	12	13	17
Certain Conditions Originating in Perinatal Period	226	217	271
Congenital Malform./Deform./Chromosomal Abnorm.	77	195	296
Sudden Infant Death Syndrome	29	28	29
Symptoms/Signs/Abnormal Clinical/Lab Findings	2,659	188	5,035
Motor Vehicle Accidents	2	582	591
All Accidents (except motor vehicle)	18	1,881	3,004
Intentional Self-Harm (Suicide)	24	724	724
Assault (Homicide)	4	163	164
All Other External Causes	---	86	93
All Other Diseases	12,065	8,651	27,675

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: The immediate cause of death is the final disease or condition resulting in death. The underlying cause of death is the disease or injury that initiated events resulting in death. All-mention cause of death includes all conditions listed on the death record, including those in the chain of events leading to death and others contributing to the death. Thus, the all-mention cause of death column will always have a higher total than the total number of deaths. For the ICD-10 codes used for each cause, see Technical Notes, page 82. Dashes (---) indicate that there were no deaths in that category.

- The underlying cause is often referred to as the “cause of death.” For example, for 10,845 Wisconsin residents who died in 2009, a malignant neoplasm was listed as the underlying cause on the death certificate. For only 9,353 residents, a malignant neoplasm was indicated as the final disease or condition that caused the person to die (immediate cause). For 11,876 residents, a malignant neoplasm contributed to death (all-mention cause).

Cause of Death

Table 11. Leading Underlying Causes of Death by Age, Wisconsin 2008 and 2009

2008	Number	Rate	2009	Number	Rate
TOTAL, ALL AGES	46,526	820.2	TOTAL, ALL AGES	45,598	802.8
Diseases of the Heart	11,272	198.7	Malignant Neoplasms	10,845	190.9
Malignant Neoplasms	11,120	196.0	Diseases of the Heart	10,794	190.0
Cerebrovascular Diseases	2,536	44.7	Cerebrovascular Diseases	2,499	44.0
Chronic Lower Respiratory Dis.	2,513	44.3	Chronic Lower Respiratory Dis.	2,458	43.3
Accidents (ex. med./surg. comp.)	2,443	43.1	Accidents (ex. med./surg. comp.)	2,432	42.8
Alzheimer's Disease	1,653	29.1	Alzheimer's Disease	1,610	28.3
Diabetes Mellitus	1,145	20.2	Diabetes Mellitus	1,107	19.5
Influenza and Pneumonia	1,108	19.5	Nephritis/Nephrotic Syn./Nephrosis	991	17.4
Nephritis/Nephrotic Syn./Nephrosis	1,004	17.7	Influenza and Pneumonia	977	17.2
Intentional Self-Harm (Suicide)	737	13.0	Intentional Self-Harm (Suicide)	724	12.7
LESS THAN 1 YEAR	501	695.8	LESS THAN 1 YEAR	426	601.5
Congenital Malformations, etc.	104	144.4	Dis. Rel. Short Gesta./Low Brthwgt.	98	138.4
Dis. Rel. Short Gesta./Low Brthwgt.	84	116.7	Congenital Malformations, etc.	84	118.6
Sudden Infant Death Syndrome	41	56.9	Accidents (ex. Med./surg. Comp.)	32	45.2
Accidents (ex. med./surg. Comp.)	29	40.3	Sudden Infant Death Syndrome	28	39.5
Respiratory Distress of Newborn	24	33.3	Newborn Affect. Comp. Placenta	18	
Newborn Affect Mat Comp. of Preg.	21	29.2	Neonatal Hemorrhage	14	
Diseases of Circulatory System	15		Newborn Affect Mat Comp. of Preg.	12	
Newborn Affect. Comp. Placenta	14		Respiratory Distress of Newborn	12	
Assault (Homicide)	14		Assault (Homicide)	10	
Bacterial Sepsis of Newborn	13		Bacterial Sepsis of Newborn	9	
1-14 YEARS	180	17.7	1-14 YEARS	146	14.4
Accidents (ex. med./surg. Comp.)	55	5.4	Accidents (ex. Med./surg. Comp.)	51	5.0
Malignant Neoplasms	32	3.2	Malignant Neoplasms	17	
Congenital Malformations, etc.	19		Congenital Malformations, etc.	14	
Septicemia	5		Septicemia	7	
Assault (Homicide)	5		Influenza and Pneumonia	6	
Chronic Lower Respiratory Disease	4		Intentional Self-Harm (Suicide)	6	
Diabetes Mellitus	3		Assault (Homicide)	6	
Diseases of the Heart	3		Diseases of the Heart	5	
Influenza and Pneumonia	3		In Situ/Benign/Uncertain Neoplasms	2	
Cond. Originating in Perinatal Per.	3		Cerebrovascular Diseases	2	
15-24 YEARS	483	60.6	15-24 YEARS	481	58.3
Accidents (ex. med./surg. comp.)	242	30.4	Accidents (ex. med./surg. comp.)	196	23.7
Intentional Self-Harm (Suicide)	77	9.7	Intentional Self-Harm (Suicide)	98	11.9
Assault (Homicide)	30	3.8	Assault (Homicide)	40	4.8
Diseases of the Heart	19		Malignant Neoplasms	31	3.8
Malignant Neoplasms	18		Diseases of the Heart	13	
Congenital Malformations, etc.	6		Congenital Malformations, etc.	11	
Diabetes Mellitus	5		Influenza and Pneumonia	7	
Chronic Lower Respiratory Disease	5		Cerebrovascular Diseases	6	
Influenza and Pneumonia	4		Pregnancy Childbirth & Puerperi.	5	
Pneumonitis Due to Solids/Liquids	3		In Situ/Benign/Uncertain Neoplasms	4	

(continued)

Cause of Death

Table 11. Leading Underlying Causes of Death by Age, Wisconsin 2008 and 2009

2008	Number	Rate	2009	Number	Rate
25-44 YEARS	1,720	114.8	25-44 YEARS	1,710	117.6
Accidents (ex. med./surg. comp.)	449	30.0	Accidents (ex. med./surg. comp.)	449	30.9
Malignant Neoplasms	272	18.2	Malignant Neoplasms	242	16.6
Intentional Self-Harm (Suicide)	263	17.6	Intentional Self-Harm (Suicide)	238	16.4
Diseases of the Heart	198	13.2	Diseases of the Heart	196	13.5
Assault (Homicide)	67	4.5	Assault (Homicide)	71	4.9
Chronic Liver Dis. and Cirrhosis	45	3.0	Chronic Liver Dis. and Cirrhosis	54	3.7
Diabetes Mellitus	41	2.7	Cerebrovascular Diseases	38	2.6
Cerebrovascular Diseases	34	2.3	Diabetes Mellitus	36	2.5
Congenital Malformations, etc.	25	1.7	Influenza and Pneumonia	28	1.9
Human Immunodeficiency Virus	19		Congenital Malformations, etc.	28	1.9
45-64 YEARS	7,765	506.1	45-64 YEARS	7,867	507.3
Malignant Neoplasms	2,725	177.6	Malignant Neoplasms	2,701	174.2
Diseases of the Heart	1,642	107.0	Diseases of the Heart	1,629	105.0
Accidents (ex. med./surg. comp.)	619	40.3	Accidents (ex. med./surg. comp.)	615	39.7
Intentional Self-Harm (Suicide)	302	19.7	Intentional Self-Harm (Suicide)	279	18.0
Chronic Lower Respiratory Dis.	284	18.5	Chronic Liver Dis. and Cirrhosis	274	17.7
Chronic Liver Dis. and Cirrhosis	254	16.6	Chronic Lower Respiratory Dis.	263	17.0
Cerebrovascular Diseases	228	14.9	Cerebrovascular Diseases	244	15.7
Diabetes Mellitus	227	14.8	Diabetes Mellitus	230	14.8
Nephritis/Nephrotic Syn./Nephrosis	96	6.3	Influenza and Pneumonia	106	6.8
Septicemia	89	5.8	Nephritis/Nephrotic Syn./Nephrosis	97	6.3
65-74 YEARS	6,948	1,819.8	65-74 YEARS	6,747	1,720.7
Malignant Neoplasms	2,706	708.7	Malignant Neoplasms	2,569	655.2
Diseases of the Heart	1,487	389.5	Diseases of the Heart	1,478	376.9
Chronic Lower Respiratory Dis.	488	127.8	Chronic Lower Respiratory Dis.	502	128.0
Cerebrovascular Diseases	272	71.2	Cerebrovascular Diseases	280	71.4
Diabetes Mellitus	232	60.8	Diabetes Mellitus	193	49.2
Accidents (ex. med./surg. comp.)	190	49.8	Accidents (ex. med./surg. comp.)	186	47.4
Nephritis/Nephrotic Syn./Nephrosis	128	33.5	Nephritis/Nephrotic Syn./Nephrosis	128	32.6
Chronic Liver Dis. and Cirrhosis	87	22.8	Septicemia	82	20.9
Septicemia	76	19.9	Influenza and Pneumonia	81	20.7
Influenza and Pneumonia	76	19.9	Chronic Liver Dis. and Cirrhosis	78	19.9
75-84 YEARS	12,425	4,843.3	75-84 YEARS	11,951	4,643.3
Malignant Neoplasms	3,316	1,292.6	Malignant Neoplasms	3,162	1,228.5
Diseases of the Heart	2,988	1,164.7	Diseases of the Heart	2,761	1,072.7
Chronic Lower Respiratory Dis.	931	362.9	Chronic Lower Respiratory Dis.	952	369.9
Cerebrovascular Diseases	724	282.2	Cerebrovascular Diseases	708	275.1
Alzheimer's Disease	455	177.4	Alzheimer's Disease	416	161.6
Nephritis/Nephrotic Syn./Nephrosis	334	130.2	Accidents (ex. med./surg. comp.)	361	140.3
Diabetes Mellitus	326	127.1	Diabetes Mellitus	328	127.4
Accidents (ex. med./surg. comp.)	314	122.4	Nephritis/Nephrotic Syn./Nephrosis	314	122.0
Influenza and Pneumonia	282	109.9	Influenza and Pneumonia	234	90.9
Parkinson's Disease	201	78.4	Parkinson's Disease	205	79.6

(continued)

Table 11. Leading Underlying Causes of Death by Age, Wisconsin 2008 and 2009

2008	Number	Rate	2009	Number	Rate
85 YEARS AND OVER	16,503	13,969.0	85 YEARS AND OVER	16,270	14,086.6
Diseases of the Heart	4,929	4,172.2	Diseases of the Heart	4,709	4,077.1
Malignant Neoplasms	2,051	1,736.1	Malignant Neoplasms	2,121	1,836.4
Cerebrovascular Diseases	1,268	1,073.3	Cerebrovascular Diseases	1,221	1,057.1
Alzheimer's Disease	1,121	948.9	Alzheimer's Disease	1,129	977.5
Chronic Lower Respiratory Dis.	796	673.8	Chronic Lower Respiratory Dis.	722	625.1
Influenza and Pneumonia	640	541.7	Accidents (ex. med./surg. comp.)	542	469.3
Accidents (ex. med./surg. comp.)	545	461.3	Influenza and Pneumonia	513	444.2
Nephritis/Nephrotic Syn./Nephrosis	430	364.0	Nephritis/Nephrotic Syn./Nephrosis	442	382.7
Diabetes Mellitus	311	263.2	Diabetes Mellitus	319	276.2
Hypertension/Hyperten. Renal Dis.	220	186.2	Hypertension/Hyperten. Renal Dis.	213	184.4

Source: Office of Health Informatics, Division of Public Health, Department of Health Services. For the population estimates used to calculate 2008 rates, see Technical Notes, page 86. For the population estimates used to calculate 2009 rates, see Technical Notes, page 85.

Notes: Age-specific rates are deaths per 100,000 population in that age group. A rate is not calculated when there were fewer than 20 deaths. Underlying cause of death is the disease or injury that initiated events resulting in death.

For the ICD-10 codes used for the cause-of-death groupings, see Technical Notes, page 79, and page 80 (infants only).

Conditions abbreviated in this table are spelled out in full in the Technical Notes.

- As in 2008, the three leading underlying causes of death in 2009 were diseases of the heart, malignant neoplasms (cancer) and cerebrovascular diseases (stroke). These three causes of death accounted for 53 percent of total deaths among Wisconsin residents.
- Accidents were the leading cause of death for age groups 1-14, 15-24, and 25-44.

Cause of Death

Table 12. Leading Underlying Causes of Death for Males by Age, Wisconsin 2008 and 2009

2008	Number	Rate	2009	Number	Rate
TOTAL, ALL AGES	22,762	807.6	TOTAL, ALL AGES	22,567	800.1
Malignant Neoplasms	5,780	205.1	Malignant Neoplasms	5,743	203.6
Diseases of the Heart	5,724	203.1	Diseases of the Heart	5,542	196.5
Accidents (ex. med./surg. comp.)	1,471	52.2	Accidents (ex. med./surg. comp.)	1,461	51.8
Chronic Lower Respiratory Dis.	1,234	43.8	Chronic Lower Respiratory Dis.	1,196	42.4
Cerebrovascular Diseases	977	34.7	Cerebrovascular Diseases	1,019	36.1
Diabetes Mellitus	612	21.7	Diabetes Mellitus	581	20.6
Intentional Self-Harm (Suicide)	580	20.6	Intentional Self-Harm (Suicide)	559	19.8
Influenza and Pneumonia	516	18.3	Alzheimer's Disease	486	17.2
Nephritis/Nephrotic Syn./Nephrosis	487	17.3	Nephritis/Nephrotic Syn./Nephrosis	470	16.7
Alzheimer's Disease	472	16.7	Influenza and Pneumonia	433	15.4
LESS THAN 1 YEAR	289	784.9	LESS THAN 1 YEAR	257	710.5
Congenital Malformations, etc.	61	165.7	Dis. Rel. Short Gest./Low Brthwgt.	54	149.3
Dis. Rel. Short Gest./Low Brthwgt.	48	130.4	Congenital Malformations, etc.	47	129.9
Sudden Infant Death Syndrome	25	67.9	Accidents (ex. med./surg. comp.)	18	
Accidents (ex. med./surg. comp.)	19		Sudden Infant Death Syndrome	17	
Respiratory Distress of Newborn	13		Newborn Affect. Comp. Placenta	13	
Diseases of Circulatory System	10		Respiratory Distress of Newborn	10	
Newborn Affect. By Comp. Preg.	9		Newborn Affect. By Comp. Preg.	8	
Assault (Homicide)	9		Neonatal Hemorrhage	8	
Bacterial Sepsis of Newborn	8		Assault (Homicide)	8	
Newborn Affect. Comp. Placenta	7		Bacterial Sepsis of Newborn	5	
1-14 YEARS	94	18.1	1-14 YEARS	84	16.2
Accidents (ex. med./surg. comp.)	28	5.4	Accidents (ex. med./surg. comp.)	32	6.2
Malignant Neoplasms	17		Malignant Neoplasms	10	
Congenital Malformations, etc.	9		Congenital Malformations, etc.	8	
Assault (Homicide)	5		Septicemia	5	
Diabetes Mellitus	2		Assault (Homicide)	4	
Diseases of the Heart	2		Intentional Self-Harm (Suicide)	3	
Influenza and Pneumonia	2		Diseases of the Heart	2	
Intentional Self-Harm (Suicide)	2		Chronic Lower Respiratory Dis.	2	
Septicemia	1		In Situ/Benign/Uncertain Neoplasms	1	
Chronic Lower Respiratory Dis.	1		Influenza and Pneumonia	1	
15-24 YEARS	348	85.4	15-24 YEARS	353	83.9
Accidents (ex. med./surg. comp.)	173	42.4	Accidents (ex. med./surg. comp.)	141	33.5
Intentional Self-Harm (Suicide)	65	15.9	Intentional Self-Harm (Suicide)	83	19.7
Assault (Homicide)	23	5.6	Assault (Homicide)	31	7.4
Diseases of the Heart	17		Malignant Neoplasms	23	5.5
Malignant Neoplasms	11		Diseases of the Heart	12	
Congenital Malformations, etc.	5		Congenital Malformations, etc.	8	
Influenza and Pneumonia	3		In Situ/Benign/Uncertain Neoplasms	4	
Chronic Lower Respiratory Dis.	3		Cerebrovascular Diseases	4	
Diabetes Mellitus	2		Influenza and Pneumonia	3	
Meningitis	2		Septicemia	2	

(continued)

Cause of Death

Table 12. Leading Underlying Causes of Death for Males by Age, Wisconsin 2008 and 2009

2008	Number	Rate	2009	Number	Rate
25-44 YEARS	1,113	145.4	25-44 YEARS	1,091	147.0
Accidents (ex. med./surg. comp.)	336	43.9	Accidents (ex. med./surg. comp.)	322	43.4
Intentional Self-Harm (Suicide)	212	27.7	Intentional Self-Harm (Suicide)	177	23.9
Diseases of the Heart	142	18.6	Diseases of the Heart	137	18.5
Malignant Neoplasms	115	15.0	Malignant Neoplasms	101	13.6
Assault (Homicide)	49	6.4	Assault (Homicide)	48	6.5
Chronic Liver Dis. and Cirrhosis	30	3.9	Chronic Liver Dis. and Cirrhosis	32	4.3
Diabetes Mellitus	26	3.4	Diabetes Mellitus	22	3.0
Cerebrovascular Diseases	15		Cerebrovascular Diseases	18	
Congenital Malformations, etc.	14		Congenital Malformations, etc.	16	
Human Immunodeficiency Virus	13		Influenza and Pneumonia	14	
45-64 YEARS	4,808	626.6	45-64 YEARS	4,875	628.5
Malignant Neoplasms	1,461	190.4	Malignant Neoplasms	1,475	190.2
Diseases of the Heart	1,196	155.9	Diseases of the Heart	1,186	152.9
Accidents (ex. med./surg. comp.)	430	56.0	Accidents (ex. med./surg. comp.)	433	55.8
Intentional Self-Harm (Suicide)	229	29.8	Intentional Self-Harm (Suicide)	211	27.2
Chronic Liver Dis. and Cirrhosis	180	23.5	Chronic Liver Dis. and Cirrhosis	187	24.1
Chronic Lower Respiratory Dis.	159	20.7	Diabetes Mellitus	151	19.5
Diabetes Mellitus	158	20.6	Cerebrovascular Diseases	143	18.4
Cerebrovascular Diseases	126	16.4	Chronic Lower Respiratory Dis.	138	17.8
Nephritis/Nephrotic Syn./Nephrosis	56	7.3	Nephritis/Nephrotic Syn./Nephrosis	55	7.1
Septicemia	46	6.0	Septicemia	47	6.1
65-74 YEARS	3,909	2,177.1	65-74 YEARS	3,862	2,087.5
Malignant Neoplasms	1,472	819.8	Malignant Neoplasms	1,453	785.4
Diseases of the Heart	944	525.8	Diseases of the Heart	939	507.5
Chronic Lower Respiratory Dis.	232	129.2	Chronic Lower Respiratory Dis.	246	133.0
Cerebrovascular Diseases	143	79.6	Cerebrovascular Diseases	145	78.4
Diabetes Mellitus	128	71.3	Diabetes Mellitus	115	62.2
Accidents (ex. med./surg. comp.)	121	67.4	Accidents (ex. med./surg. comp.)	113	61.1
Chronic Liver Dis. and Cirrhosis	59	32.9	Nephritis/Nephrotic Syn./Nephrosis	63	34.1
Nephritis/Nephrotic Syn./Nephrosis	59	32.9	Influenza and Pneumonia	49	26.5
Septicemia	43	23.9	Septicemia	45	24.3
Influenza and Pneumonia	42	23.4	Chronic Liver Dis. and Cirrhosis	44	23.8
75-84 YEARS	6,407	5,992.9	75-84 YEARS	6,151	5,674.4
Malignant Neoplasms	1,807	1,690.2	Malignant Neoplasms	1,701	1,569.2
Diseases of the Heart	1,636	1,530.3	Diseases of the Heart	1,493	1,377.3
Chronic Lower Respiratory Dis.	485	453.7	Chronic Lower Respiratory Dis.	481	443.7
Cerebrovascular Diseases	323	302.1	Cerebrovascular Diseases	332	306.3
Nephritis/Nephrotic Syn./Nephrosis	182	170.2	Accidents (ex. med./surg. comp.)	185	170.7
Influenza and Pneumonia	170	159.0	Diabetes Mellitus	172	158.7
Alzheimer's Disease	168	157.1	Alzheimer's Disease	165	152.2
Diabetes Mellitus	165	154.3	Nephritis/Nephrotic Syn./Nephrosis	160	147.6
Accidents (ex. med./surg. comp.)	161	150.6	Parkinson's Disease	130	119.9
Parkinson's Disease	126	117.9	Influenza and Pneumonia	119	109.8

(continued)

Cause of Death

Table 12. Leading Underlying Causes of Death for Males by Age, Wisconsin 2008 and 2009

2008	Number	Rate	2009	Number	Rate
85 YEARS AND OVER	5,794	15,693.4	85 YEARS AND OVER	5,894	16,772.9
Diseases of the Heart	1,783	4,829.4	Diseases of the Heart	1,771	5,039.8
Malignant Neoplasms	897	2,429.6	Malignant Neoplasms	979	2,786.0
Cerebrovascular Diseases	365	988.6	Cerebrovascular Diseases	377	1,072.9
Chronic Lower Respiratory Dis.	352	953.4	Chronic Lower Respiratory Dis.	320	910.6
Alzheimer's Disease	275	744.9	Alzheimer's Disease	294	836.7
Influenza and Pneumonia	242	655.5	Accidents (ex. med./surg. comp.)	217	617.5
Accidents (ex. med./surg. comp.)	203	549.8	Influenza and Pneumonia	198	563.5
Nephritis/Nephrotic Syn./Nephrosis	184	498.4	Nephritis/Nephrotic Syn./Nephrosis	188	535.0
Diabetes Mellitus	131	354.8	Diabetes Mellitus	120	341.5
Parkinson's Disease	90	243.8	Parkinson's Disease	91	259.0

Source: Office of Health Informatics, Division of Public Health, Department of Health Services. For the population estimates used to calculate 2008 rates, see Technical Notes, page 86. For the population estimates used to calculate 2009 rates, see the Technical Notes, page 85.

Notes: Age-specific rates are deaths per 100,000 males in that age group. A rate is not calculated when there were fewer than 20 deaths.

Underlying cause of death is the disease or injury that initiated events resulting in death.

For the ICD-10 codes used for the cause-of-death groupings, see Technical Notes, page 79, and page 80 (infants only).

Conditions abbreviated in this table are spelled out in full in the Technical Notes.

- Accidents were the leading underlying cause of death among males ages 1-14, 15-24 and 25-44. Cancer was the leading cause of death among men ages 45-84.
- Suicide was the second leading cause of death among males ages 15-44.
- For males aged 45 and older, cancer and heart disease were the two leading causes of death. Cancer was the leading cause for men ages 45-84, and heart disease was the leading cause for men ages 85 and older.
- From 2008 to 2009, the death rate from accidents among males (deaths per 100,000 male population) decreased in most age groups, except 1-14 years of age and age 75 and older.

Cause of Death

Table 13. Leading Underlying Causes of Death for Females by Age, Wisconsin 2008 and 2009

2008	Number	Rate	2009	Number	Rate
TOTAL, ALL AGES	23,763	832.7	TOTAL, ALL AGES	23,031	805.5
Diseases of the Heart	5,548	194.4	Diseases of the Heart	5,252	183.7
Malignant Neoplasms	5,340	187.1	Malignant Neoplasms	5,102	178.4
Cerebrovascular Diseases	1,559	54.6	Cerebrovascular Diseases	1,480	51.8
Chronic Lower Respiratory Dis.	1,279	44.8	Chronic Lower Respiratory Dis.	1,262	44.1
Alzheimer's Disease	1,181	41.4	Alzheimer's Disease	1,124	39.3
Accidents (ex. med./surg. comp.)	972	34.1	Accidents (ex. med./surg. Comp.)	971	34.0
Influenza and Pneumonia	592	20.7	Influenza and Pneumonia	544	19.0
Diabetes Mellitus	533	18.7	Diabetes Mellitus	526	18.4
Nephritis/Nephrotic Syn./Nephro.	517	18.1	Nephritis/Nephrotic Syn./Nephro.	521	18.2
Septicemia	263	9.2	Hypertension/Hyperten. Renal Dis.	252	8.8
LESS THAN 1 YEAR	211	599.7	LESS THAN 1 YEAR	169	487.8
Congenital Malformations, etc.	43	122.2	Dis. Rel. Short Gest/Low Birthwgt	44	127.0
Dis. Rel. Short Gest/Low Birthwgt	36	102.3	Congenital Malformations, etc.	37	106.8
Sudden Infant Death Syndrome	16		Accidents (ex. med./surg. comp.)	14	
Newborn Affect. by Comp. Preg.	12		Sudden Infant Death Syndrome	11	
Respiratory Distress of Newborn	11		Neonatal Hemorrhage	6	
Accidents (ex. med./surg. comp.)	10		Diarrhea/Gastroenteritis of Infect Org	5	
Newborn Affect. Comp. Placenta	7		Newborn Affect. Comp. Placenta	5	
Neonatal Hemorrhage	6		Newborn Affect. by Comp. Preg.	4	
Diseases of Circulatory System	5		Bacterial Sepsis of Newborn	4	
Atelectasis	5		Septicemia	2	
1-14 YEARS	86	17.3	1-14 YEARS	62	12.5
Accidents (ex. med./surg. comp.)	27	5.4	Accidents (ex. med./surg. comp.)	19	
Malignant Neoplasms	15		Malignant Neoplasms	7	
Congenital Malformations, etc.	10		Congenital Malformations, etc.	6	
Septicemia	4		Influenza and Pneumonia	5	
Chronic Lower Respiratory Dis.	3		Diseases of the Heart	3	
Cerebrovascular Diseases	2		Intentional Self-Harm (Suicide)	3	
Cond. Originating in Perinatal Per.	2		Septicemia	2	
Meningococcal Infection	1		Cerebrovascular Diseases	2	
Diabetes Mellitus	1		Assault (Homicide)	2	
Diseases of the Heart	1		In Situ/Benign/Uncertain Neoplasms	1	
15-24 YEARS	135	34.7	15-24 YEARS	128	31.6
Accidents (ex. med./surg. comp.)	69	17.7	Accidents (ex. med./surg. comp.)	55	13.6
Intentional Self-Harm (Suicide)	12		Intentional Self-Harm (Suicide)	15	
Malignant Neoplasms	7		Assault (Homicide)	9	
Assault (Homicide)	7		Malignant Neoplasms	8	
Diabetes Mellitus	3		Pregnancy Childbirth & Puerperi.	5	
Diseases of the Heart	2		Influenza and Pneumonia	4	
Chronic Lower Respiratory Dis.	2		Congenital Malformations, etc.	3	
Pregnancy Childbirth & Puerperi.	2		Cerebrovascular Diseases	2	
Septicemia	1		Septicemia	1	
Influenza and Pneumonia	1		Diseases of the Heart	1	

Cause of Death

Table 13. Leading Underlying Causes of Death for Females by Age, Wisconsin 2008 and 2009

2008	Number	Rate	2009	Number	Rate
25-44 YEARS	607	82.9	25-44 YEARS	619	86.9
Malignant Neoplasms	157	21.4	Malignant Neoplasms	141	19.8
Accidents (ex. med./surg. comp.)	113	15.4	Accidents (ex. med./surg. comp.)	127	17.8
Diseases of the Heart	56	7.6	Intentional Self-Harm (Suicide)	61	8.6
Intentional Self-Harm (Suicide)	51	7.0	Diseases of the Heart	59	8.3
Cerebrovascular Diseases	19		Assault (Homicide)	23	3.2
Assault (Homicide)	18		Chronic Liver Dis. and Cirrhosis	22	3.1
Diabetes Mellitus	15		Cerebrovascular Diseases	20	2.8
Chronic Liver Dis. and Cirrhosis	15		Diabetes Mellitus	14	
Congenital Malformations, etc.	11		Influenza and Pneumonia	14	
Nephritis/Nephrotic Syn./Nephrosis	10		Congenital Malformations, etc.	12	
45-64 YEARS	2,957	385.5	45-64 YEARS	2,992	386.0
Malignant Neoplasms	1,264	164.8	Malignant Neoplasms	1,226	158.2
Diseases of the Heart	446	58.1	Diseases of the Heart	443	57.1
Accidents (ex. med./surg. comp.)	189	24.6	Accidents (ex. med./surg. comp.)	182	23.5
Chronic Lower Respiratory Dis.	125	16.3	Chronic Lower Respiratory Dis.	125	16.1
Cerebrovascular Diseases	102	13.3	Cerebrovascular Diseases	101	13.0
Chronic Liver Dis. and Cirrhosis	74	9.6	Chronic Liver Dis. and Cirrhosis	87	11.2
Intentional Self-Harm (Suicide)	73	9.5	Diabetes Mellitus	79	10.2
Diabetes Mellitus	69	9.0	Intentional Self-Harm (Suicide)	68	8.8
Septicemia	43	5.6	Influenza and Pneumonia	59	7.6
Nephritis/Nephrotic Syn./Nephrosis	40	5.2	Septicemia	44	5.7
65-74 YEARS	3,039	1,502.5	65-74 YEARS	2,885	1,393.1
Malignant Neoplasms	1,234	610.1	Malignant Neoplasms	1,116	538.9
Diseases of the Heart	543	268.5	Diseases of the Heart	539	260.3
Chronic Lower Respiratory Dis.	256	126.6	Chronic Lower Respiratory Dis.	256	123.6
Cerebrovascular Diseases	129	63.8	Cerebrovascular Diseases	135	65.2
Diabetes Mellitus	104	51.4	Diabetes Mellitus	78	37.7
Nephritis/Nephrotic Syn./Nephrosis	69	34.1	Accidents (ex. med./surg. comp.)	73	35.3
Accidents (ex. med./surg. comp.)	69	34.1	Nephritis/Nephrotic Syn./Nephrosis	65	31.4
Alzheimer's Disease	40	19.8	Septicemia	37	17.9
Influenza and Pneumonia	34	16.8	Chronic Liver Disease and Cirrhosis	34	16.4
Septicemia	33	16.3	Alzheimer's Disease	33	15.9
75-84 YEARS	6,018	4,021.9	75-84 YEARS	5,800	3,893.1
Malignant Neoplasms	1,509	1,008.5	Malignant Neoplasms	1,461	980.7
Diseases of the Heart	1,352	903.6	Diseases of the Heart	1,268	851.1
Chronic Lower Respiratory Dis.	446	298.1	Chronic Lower Respiratory Dis.	471	316.1
Cerebrovascular Diseases	401	268.0	Cerebrovascular Diseases	376	252.4
Alzheimer's Disease	287	191.8	Alzheimer's Disease	251	168.5
Diabetes Mellitus	161	107.6	Accidents (ex. med./surg. comp.)	176	118.1
Accidents (ex. med./surg. comp.)	153	102.3	Diabetes Mellitus	156	104.7
Nephritis/Nephrotic Syn./Nephrosis	152	101.6	Nephritis/Nephrotic Syn./Nephrosis	154	103.4
Influenza and Pneumonia	112	74.9	Influenza and Pneumonia	115	77.2
Septicemia	78	52.1	Parkinson's Disease	75	50.3

(continued)

Table 13. Leading Underlying Causes of Death for Females by Age, Wisconsin 2008 and 2009

2008	Number	Rate	2009	Number	Rate
85 YEARS AND OVER	10,709	13,185.2	85 YEARS AND OVER	10,376	12,911.9
Diseases of the Heart	3,146	3,873.4	Diseases of the Heart	2,938	3,656.0
Malignant Neoplasms	1,154	1,420.8	Malignant Neoplasms	1,142	1,421.1
Cerebrovascular Diseases	903	1,111.8	Cerebrovascular Diseases	844	1,050.3
Alzheimer's Disease	846	1,041.6	Alzheimer's Disease	835	1,039.1
Chronic Lower Respiratory Dis.	444	546.7	Chronic Lower Respiratory Dis.	402	500.2
Influenza and Pneumonia	398	490.0	Accidents (ex. med./surg. comp.)	325	404.4
Accidents (ex. med./surg. comp.)	342	421.1	Influenza and Pneumonia	315	392.0
Nephritis/Nephrotic Syn./Nephrosis	246	302.9	Nephritis/Nephrotic Syn./Nephrosis	254	316.1
Diabetes Mellitus	180	221.6	Diabetes Mellitus	199	247.6
Hypertension/Hyperten. Renal Dis.	150	184.7	Hypertension/Hyperten. Renal Dis.	151	187.9

Source: Office of Health Informatics, Division of Public Health, Department of Health Services. For the population estimates used to calculate 2008 rates, see Technical Notes, page 86. For the population estimates used to calculate 2009 rates, see the Technical Notes, page 85.

Notes: Age-specific rates are deaths per 100,000 females in that age group. A rate is not calculated when there were fewer than 20 deaths.

Underlying cause of death is the disease or injury that initiated events resulting in death.

For the ICD-10 codes used for the cause-of-death groupings, see Technical Notes, page 79, and page 80 (infants only).

Conditions abbreviated in this table are spelled out in full in the Technical Notes.

- Diseases of the heart remained the leading cause of death among females overall, with cancer a close second.
- Accidents were the leading underlying cause of death among females ages 1-14 and 15-24.
- Cancer was the leading cause of death among women ages 25-84.
- Diseases of the heart were the leading cause of death among the oldest group of women (ages 85 and older).

Cause of Death

Table 14. Deaths by Underlying Cause of Death, Age and Sex, Wisconsin 2009

	Total	All Ages		Under 1		1 – 4		5 – 9	
		Male	Female	Male	Female	Male	Female	Male	Female
Age/Sex-Specific Death Rate	802.8	800.1	805.5	710.5	487.8	23.3	29.3	19.3	11.5
Total Deaths, All Causes	45,598	22,567	23,031	257	169	35	42	35	20
Tuberculosis	10	5	5						
Human Immunodeficiency Virus	48	35	13						
Malignant Neoplasms	10,845	5,743	5,102	1	1	4	4	3	2
Stomach	160	96	64						
Colon, Rectum, Anus	917	460	457						
Pancreas	721	361	360						
Trachea, Bronchus and Lung	2,882	1,626	1,256						
Breast	765	8	757						
Cervix Uteri, Corpus Uteri, Ovary	499		499						
Prostate	587	587							
Urinary Tract	589	415	174						
Non-Hodgkin's Lymphoma	435	242	193			1			
Leukemia	491	285	206	1	1	2	3		1
Other Malignant Neoplasms	2,799	1,663	1,136			1	1	3	1
Diabetes Mellitus	1,107	581	526						
Alzheimer's Disease	1,610	486	1,124						
Major Cardiovascular Diseases	14,267	7,002	7,265	2	1	1	1		1
Diseases of the Heart	10,794	5,542	5,252	2	1	1	1		1
Hyp. Heart Dis. w/wo Renal Dis.	528	205	323						
Ischemic Heart Disease	6,622	3,781	2,841						
Other Diseases of the Heart	3,644	1,556	2,088	2	1	1	1		1
Hypertension/Hypertens. Renal Dis.	419	167	252						
Cerebrovascular Diseases	2,499	1,019	1,480						
Atherosclerosis	107	42	65						
Other Dis. of Circulatory System	448	232	216						
Influenza and Pneumonia	977	433	544	2		1	3		
Chronic Lower Respiratory Diseases	2,458	1,196	1,262						
Peptic Ulcer	60	37	23						
Chronic Liver Disease and Cirrhosis	497	303	194						
Nephritis/Nephrotic Syn./Nephrosis	991	470	521	1	1				
Pregnancy, Childbirth and Puerperium	13		13						
Certain Cond. Orig. in Perinatal Per.	217	133	84	131	84			1	
Congenital Malformations, etc.	195	105	90	47	37	3	5	3	1
Sudden Infant Death Syndrome	28	17	11	17	11				
Symptoms, Signs and Lab. Findings	188	89	99	8	2	3	3		
All Other Diseases	8,651	3,731	4,920	22	14	11	4	2	3
Motor Vehicle Accidents	582	401	181		1	3	2	3	1
All Accidents (except motor vehicle)	1,881	1,074	807	18	13	13	2	4	3
Intentional Self-Harm (Suicide)	724	559	165						
Assault (Homicide)	163	112	51	8	2	2	2		
All Other External Causes	86	55	31		2		1		

(continued)

Cause of Death

Table 14. Deaths by Underlying Cause of Death, Age and Sex, Wisconsin 2009

	10 - 14		15 - 19		20 - 24		25 - 29	
	Male	Female	Male	Female	Male	Female	Male	Female
Age/Sex-Specific Death Rate	12.9	13.4	64.5	34.4	106.8	35.0	102.5	45.0
Total, All Causes	24	24	133	67	215	68	198	82
Tuberculosis								
Human Immunodeficiency Virus								1
Malignant Neoplasms	3	1	9	4	14	4	7	9
Stomach							1	
Colon, Rectum, Anus				1	1			
Pancreas								
Trachea, Bronchus and Lung								
Breast								1
Cervix Uteri, Corpus Uteri, Ovary		1						1
Prostate								
Urinary Tract								
Non-Hodgkin's Lymphoma			1				1	1
Leukemia	1		2		6	1	1	1
Other Malignant Neoplasms	2		6	3	7	2	4	5
Diabetes Mellitus			1				2	1
Alzheimer's Disease								
Major Cardiovascular Diseases	1	3	5	1	11	2	10	1
Diseases of the Heart	1	1	3	1	9		9	1
Hyp. Heart Dis. w/wo Renal Dis.					2			
Ischemic Heart Disease	1				1		5	
Other Diseases of the Heart		1	3	1	6		4	1
Hypertension/Hypertens. Renal Dis.								
Cerebrovascular Diseases		2	2		2	2	1	
Atherosclerosis								
Other Dis. of Circulatory System								
Influenza and Pneumonia		2	3	2		2	2	2
Chronic Lower Respiratory Diseases	2					1	1	1
Peptic Ulcer					1			
Chronic Liver Disease and Cirrhosis							2	1
Nephritis/Nephrotic Syn./Nephrosis						1	1	
Pregnancy, Childbirth and Puerperium				2		3		2
Certain Cond. Orig. in Perinatal Per.								
Congenital Malformations, etc.	2		5	1	3	2	3	2
Sudden Infant Death Syndrome								
Symptoms, Signs and Lab. Findings	2		1		3	1	3	1
All Other Diseases	3	4	8	7	23	12	20	11
Motor Vehicle Accidents	7	7	40	28	49	10	37	21
All Accidents (except motor vehicle)	2	4	17	6	35	11	48	13
Intentional Self-Harm (Suicide)	3	3	33	8	50	7	39	10
Assault (Homicide)	2		8	6	23	3	15	4
All Other External Causes			3	1	8	3	8	2

(continued)

Cause of Death

Table 14. Deaths by Underlying Cause of Death, Age and Sex, Wisconsin 2009

	30 – 34		35 – 39		40 – 44		45 – 49	
	Male	Female	Male	Female	Male	Female	Male	Female
Age/Sex-Specific Death Rate	123.5	52.8	130.2	88.4	209.9	137.3	313.5	199.8
Total, All Causes	216	88	243	160	430	276	714	453
Tuberculosis			1					1
Human Immunodeficiency Virus	1		4	2	6	1	2	4
Malignant Neoplasms	16	19	25	35	53	78	150	140
Stomach				1	2	1	5	
Colon, Rectum, Anus	1	1	2	3	9	4	19	15
Pancreas			1	2	4	2	7	7
Trachea, Bronchus and Lung	2	1	5		10	9	41	25
Breast		4		11		33		35
Cervix Uteri, Corpus Uteri, Ovary		2		4		6		17
Prostate								
Urinary Tract	1		2		2	6	7	4
Non-Hodgkin's Lymphoma	1			3		2	7	
Leukemia	1	4	2	1	3	2	11	6
Other Malignant Neoplasms	10	7	14	10	23	13	53	31
Diabetes Mellitus	1	1	9	7	10	5	17	12
Alzheimer's Disease								
Major Cardiovascular Diseases	19	9	51	16	86	56	203	80
Diseases of the Heart	13	5	40	14	75	39	171	60
Hyp. Heart Dis. w/wo Renal Dis.	1	1	8	2	8	6	19	9
Ischemic Heart Disease	8	1	18	6	51	18	117	26
Other Diseases of the Heart	4	3	14	6	16	15	35	25
Hypertension/Hypertens. Renal Dis.	1		2		3	2	3	
Cerebrovascular Diseases	3	3	9	2	5	15	22	19
Atherosclerosis	1							
Oth. Dis. of Circulatory System	1	1			3		7	1
Influenza and Pneumonia	4	2	3	5	5	5	8	16
Chronic Lower Respiratory Diseases	1	1	1	2	6	3	12	9
Peptic Ulcer					1		1	
Chronic Liver Disease and Cirrhosis	2	1	12	2	16	18	33	22
Nephritis/Nephrotic Syn./Nephrosis			1	3	1	1	6	2
Pregnancy, Childbirth and Puerperium		1		3		2		
Certain Cond. Orig. in Perinatal Per.							1	
Congenital Malformations, etc.	7	2	3	3	3	5	4	5
Sudden Infant Death Syndrome								
Symptoms, Signs and Lab. Findings	1	4	5		3	1	7	1
All Other Diseases	29	17	30	24	59	32	89	73
Motor Vehicle Accidents	22	8	19	9	33	12	38	8
All Accidents (except motor vehicle)	49	15	55	23	59	27	85	41
Intentional Self-Harm (Suicide)	34	13	49	13	55	25	63	21
Assault (Homicide)	13	3	10	8	10	8	10	2
All Other External Causes	6	2	2	4	2	1	7	3

(continued)

Cause of Death

Table 14. Deaths by Underlying Cause of Death, Age and Sex, Wisconsin 2009

	50 – 54		55 – 59		60 – 64		65 – 69	
	Male	Female	Male	Female	Male	Female	Male	Female
Age/Sex-Specific Death Rate	489.0	310.0	723.7	434.6	1,168.2	715.0	1,725.4	1,035.6
Total, All Causes	1,058	665	1,361	813	1,720	1,074	1,816	1,190
Tuberculosis	1	1					1	1
Human Immunodeficiency Virus	12	1	4	3	4		2	1
Malignant Neoplasms	272	263	412	362	641	461	696	499
Stomach	4	3	9	3	5	6	7	5
Colon, Rectum, Anus	20	14	24	23	48	24	50	37
Pancreas	20	14	27	33	58	32	46	34
Trachea, Bronchus and Lung	82	58	117	93	208	128	230	161
Breast		59		63	2	84	1	67
Cervix Uteri, Corpus Uteri, Ovary		35		53		68		54
Prostate	6		24		30		44	
Urinary Tract	23	3	26	7	40	16	42	16
Non-Hodgkin's Lymphoma	6	2	19	8	18	11	17	12
Leukemia	7	7	9	4	32	7	31	13
Other Malignant Neoplasms	104	68	157	75	200	85	228	100
Diabetes Mellitus	28	16	45	25	61	26	50	32
Alzheimer's Disease		1	12	1	2	3	11	8
Major Cardiovascular Diseases	287	120	399	140	511	234	553	278
Diseases of the Heart	245	84	343	105	427	194	447	204
Hyp. Heart Dis. w/wo Renal Dis.	17	12	22	5	17	17	12	8
Ischemic Heart Disease	189	49	261	63	328	123	352	139
Other Diseases of the Heart	39	23	60	37	82	54	83	57
Hypertension/Hypertens. Renal Dis.	4	3	7	6	12	8	13	12
Cerebrovascular Diseases	31	30	40	26	50	26	68	51
Atherosclerosis		1	1		2		3	1
Oth. Dis. of Circulatory System	7	2	8	3	20	6	22	10
Influenza and Pneumonia	11	21	18	8	10	14	21	15
Chronic Lower Respiratory Diseases	16	17	35	31	75	68	102	101
Peptic Ulcer	2		5		2		3	1
Chronic Liver Disease and Cirrhosis	49	20	55	26	50	19	30	9
Nephritis/Nephrotic Syn./Nephrosis	10	10	17	12	22	18	23	24
Pregnancy, Childbirth and Puerperium								
Certain Cond. Orig. in Perinatal Per.								
Congenital Malformations, etc.	4	3	6	8	5	4	1	5
Sudden Infant Death Syndrome								
Symptoms, Signs and Lab. Findings	5	1	5	1	4	9	2	1
All Other Diseases	156	104	192	129	221	173	225	173
Motor Vehicle Accidents	41	12	31	6	23	7	19	10
All Accidents (except motor vehicle)	88	47	73	38	56	28	50	21
Intentional Self-Harm (Suicide)	63	21	55	21	30	5	24	8
Assault (Homicide)	6	4	2	1		1	1	2
All Other External Causes	7	3	6	1	3	4	2	1

(continued)

Cause of Death

Table 14. Deaths by Underlying Cause of Death, Age and Sex, Wisconsin 2009

	70 – 74		75 – 79		80 – 84		85 – 89	
	Male	Female	Male	Female	Male	Female	Male	Female
Age/Sex-Specific Death Rate	2,565.2	1,838.8	4,403.0	2,955.8	7,382.2	4,977.6	13,239.9	8,720.2
Total, All Causes	2,046	1,695	2,736	2,362	3,415	3,438	3,306	4,456
Tuberculosis	1		1	1				1
Human Immunodeficiency Virus								
Malignant Neoplasms	757	617	871	695	830	766	644	688
Stomach	11	6	17	9	17	12	12	12
Colon, Rectum, Anus	57	35	66	56	75	78	53	92
Pancreas	43	49	61	56	45	57	34	47
Trachea, Bronchus and Lung	242	215	262	206	243	181	139	126
Breast	1	50	3	87		83		103
Cervix Uteri, Corpus Uteri, Ovary		66		51		68		44
Prostate	61		98		98		125	
Urinary Tract	52	19	59	21	64	30	58	31
Non-Hodgkin's Lymphoma	33	23	45	27	38	37	42	41
Leukemia	36	22	46	25	53	43	29	35
Other Malignant Neoplasms	221	132	214	157	197	177	152	157
Diabetes Mellitus	65	46	84	71	88	85	80	114
Alzheimer's Disease	13	25	57	78	108	173	139	310
Major Cardiovascular Diseases	609	456	835	690	1,123	1,105	1,248	1,620
Diseases of the Heart	492	335	645	500	848	768	965	1,146
Hyp. Hrt. Dis. w/wo Renal Dis.	11	11	9	28	28	44	24	62
Ischemic Heart Disease	367	211	466	288	544	429	584	609
Other Diseases of the Heart	114	113	170	184	276	295	357	475
Hypertension/Hypertens. Renal Dis.	12	14	20	13	28	43	31	65
Cerebrovascular Diseases	77	84	133	132	199	244	197	353
Atherosclerosis	2	1	7	5	4	12	15	15
Oth. Dis. of Circulatory System	26	22	30	40	44	38	40	41
Influenza and Pneumonia	28	17	52	32	67	83	86	118
Chronic Lower Respiratory Diseases	144	155	206	209	275	262	196	216
Peptic Ulcer	2		6	7	6	2	7	8
Chronic Liver Disease and Cirrhosis	14	25	21	22	11	19	6	9
Nephritis/Nephrotic Syn/Nephrosis	40	41	63	74	97	80	103	114
Pregnancy, Childbirth and Puerperium								
Certain Cond. Orig in Perinatal Per.								
Congenital Malformations, etc.		2			3	2	2	1
Sudden Infant Death Syndrome								
Symptoms, Signs and Lab. Findings	6	4	6	5	3	7	6	20
All Other Diseases	300	257	435	405	684	738	662	1,099
Motor Vehicle Accidents	10	9	12	5	8	14	4	7
All Accidents (except motor vehicle)	38	38	73	63	96	98	113	130
Intentional Self-Harm (Suicide)	18	2	13	5	16	1	9	
Assault (Homicide)			1			3	1	
All Other External Causes	1	1						1

(continued)

Cause of Death

Table 14. Deaths by Underlying Cause of Death, Age and Sex, Wisconsin 2009

	90 – 94		95+	
	Male	Female	Male	Female
Age/Sex-Specific Death Rate	22,874.3	16,347.3	37,252.7	33,809.5
Total, All Causes	1,910	3,719	678	2,201
Tuberculosis				
Human Immunodeficiency Virus				
Malignant Neoplasms	270	310	65	144
Stomach	6	5		1
Colon, Rectum, Anus	28	49	8	25
Pancreas	14	21	1	6
Trachea, Bronchus and Lung	40	42	5	10
Breast	1	48		29
Cervix Uteri, Corpus Uteri, Ovary		20		9
Prostate	74		27	
Urinary Tract	28	14	11	7
Non-Hodgkin's Lymphoma	9	18	4	8
Leukemia	12	18		12
Other Malignant Neoplasms	58	75	9	37
Diabetes Mellitus	32	57	8	28
Alzheimer's Disease	120	321	35	204
Major Cardiovascular Diseases	754	1,551	294	900
Diseases of the Heart	592	1,115	214	677
Hyp. Heart Dis. w/wo Renal Disease	19	72	8	46
Ischemic Heart Disease	369	551	120	328
Other Diseases of the Heart	204	492	86	303
Hypertension/Hypertens. Renal Dis.	23	49	8	37
Cerebrovascular Diseases	121	330	59	161
Atherosclerosis	4	19	3	11
Oth. Dis. of Circulatory System	14	38	10	14
Influenza and Pneumonia	74	100	38	97
Chronic Lower Respiratory Diseases	89	136	35	50
Peptic Ulcer		5	1	
Chronic Liver Disease and Cirrhosis	2	1		
Nephritis/Nephrotic Syn./Nephrosis	66	84	19	56
Pregnancy, Childbirth and Puerperium				
Certain Cond. Orig. in Perinatal Per.				
Congenital Malformations, etc.	1	2		
Sudden Infant Death Syndrome				
Symptoms, Signs and Lab. Findings	12	18	4	20
All Other Diseases	415	1,017	145	624
Motor Vehicle Accidents	2	2		2
All Accidents (except motor vehicle)	69	110	33	76
Intentional Self-Harm (Suicide)	4	2	1	
Assault (Homicide)		2		
All Other External Causes		1		

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

For the population data used to calculate rates, see Technical Notes, page 85.

Notes: The age/sex-specific rates are deaths per 100,000 population in that age/sex group. Underlying cause of death is the disease or injury that initiated events resulting in death. For the ICD-10 codes used for cause-of-death groupings, see Technical Notes, page 82. Conditions abbreviated in this table are spelled out in full in the Technical Notes.

Cause of Death

Table 15. Deaths by Underlying Cause of Death, Race and Sex, Wisconsin 2009

	Total		White		Black/African American		American Indian	
	Male	Female	Male	Female	Male	Female	Male	Female
Total Deaths, All Causes	22,567	23,031	21,135	21,775	1,124	968	185	158
Tuberculosis	5	5	2	3	1	1		
Human Immunodeficiency Virus	35	13	24	7	10	5	1	1
Malignant Neoplasms	5,743	5,102	5,414	4,826	270	218	32	37
Stomach	96	64	81	58	9	5	2	1
Colon, Rectum, Anus	460	457	435	429	19	25	3	3
Pancreas	361	360	340	341	17	17	1	1
Trachea, Bronchus and Lung	1,626	1,256	1,510	1,177	99	62	13	13
Breast	8	757	7	717	1	34		4
Cervix/Corpus Uteri, Ovary		499		470		25		1
Prostate	587		558		24		3	
Urinary Tract	415	174	400	167	12	5	2	2
Non-Hodgkin's Lymphoma	242	193	232	188	4	3	2	
Leukemia	285	206	279	200	4	3	2	2
Other Malignant Neoplasms	1,663	1,136	1,572	1,079	81	39	4	10
Diabetes Mellitus	581	526	539	480	29	37	10	3
Alzheimer's Disease	486	1,124	471	1,098	13	22		1
Major Cardiovascular Diseases	7,002	7,265	6,627	6,886	289	296	52	38
Diseases of the Heart	5,542	5,252	5,263	4,975	216	220	47	33
Hyp. Heart Dis. w/wo Renal Disease	205	323	163	285	38	37	1	
Ischemic Heart Diseases	3,781	2,841	3,602	2,682	133	118	38	25
Other Diseases of the Heart	1,556	2,088	1,498	2,008	45	65	8	8
Essential Hypertension/Hypertensive Renal Disease	167	252	155	232	10	16		
Cerebrovascular Diseases	1,019	1,480	948	1,409	55	52	3	4
Atherosclerosis	42	65	40	63		1		
Other Diseases of Circulatory System	232	216	221	207	8	7	2	1
Influenza and Pneumonia	433	544	414	514	14	20	3	5
Chronic Lower Respiratory Diseases	1,196	1,262	1,150	1,227	33	24	8	9
Peptic Ulcer	37	23	36	22	1	1		
Chronic Liver Disease and Cirrhosis	303	194	272	172	13	13	13	7
Nephritis/Nephrotic Syn./Nephrosis	470	521	438	475	26	37	2	5
Pregnancy, Childbirth and Puerperium		13		10		3		
Certain Cond. Orig. Perinatal Period	133	84	85	57	42	24	4	
Congenital Malformations, etc.	105	90	88	78	14	10		1
Sudden Infant Death Syndrome	17	11	10	5	5	4	1	
Symptoms, Signs and Lab Findings	89	99	78	95	10	2	1	
All Other Diseases	3,731	4,920	3,523	4,680	166	178	26	36
Motor Vehicle Accidents	401	181	366	163	24	10	8	7
All Accidents (except motor vehicle)	1,074	807	979	756	72	39	18	8
Intentional Self-Harm (Suicide)	559	165	525	156	25	9	5	
Assault (Homicide)	112	51	45	39	62	10		
All Other External Causes	55	31	49	26	5	5	1	

(continued)

Cause of Death

Table 15. Deaths by Underlying Cause of Death, Race and Sex, Wisconsin 2009

	Laotian or Hmong		Other Asian	
	Male	Female	Male	Female
Total Deaths, All Causes	63	62	57	63
Tuberculosis	1	1		
Human Immunodeficiency Virus			1	
Malignant Neoplasms	12	8	15	13
Stomach	4			
Colon, Rectum, Anus	1		2	
Pancreas	2	1	1	
Trachea, Bronchus and Lung	1	2	3	2
Breast				2
Cervix/Corpus Uteri, Ovary				3
Prostate			2	
Urinary Tract	1		4	
Non-Hodgkin's Lymphoma		2		
Leukemia				1
Other Malignant Neoplasms	3	3	3	5
Diabetes Mellitus	1	4	2	1
Alzheimer's Disease	1		1	3
Major Cardiovascular Diseases	19	19	15	25
Diseases of the Heart	6	10	10	13
Hyp. Heart Dis. w/wo Renal Disease	1		2	1
Ischemic Heart Diseases	2	5	6	10
Other Diseases of the Heart	3	5	2	2
Essential Hypertension/Hypertensive Renal Disease	2	3		1
Cerebrovascular Diseases	10	6	3	9
Atherosclerosis	1		1	1
Other Diseases of Circulatory System			1	1
Influenza and Pneumonia		3	2	2
Chronic Lower Respiratory Disease	4	2	1	
Peptic Ulcer				
Chronic Liver Disease and Cirrhosis	2		2	2
Nephritis/Nephrotic Syndrome/Nephrosis	3	2	1	2
Pregnancy, Childbirth and Puerperium				
Certain Conditions Orig. Perinatal Period	2	3		
Congenital Malformations, etc.			3	1
Sudden Infant Death Syndrome	1	1		
Symptoms, Signs and Lab Findings		1		
All Other Diseases	7	15	8	10
Motor Vehicle Accidents	1		2	1
All Accidents (except motor vehicle)	3	2	1	2
Intentional Self-Harm (Suicide)	2		2	
Assault (Homicide)	4	1	1	1
All Other External Causes				

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Underlying cause of death is the disease or injury that initiated events resulting in death. For the ICD-10 codes used, see Technical Notes, page 82. Included in the total for this table are three male deaths and five female deaths for which race was unknown.

Cause of Death

Table 16. Deaths by Underlying Cause of Death, Hispanic Origin and Sex, Wisconsin 2009

	Total		Hispanic/Latino		Non-Hispanic/Latino	
	Male	Female	Male	Female	Male	Female
Total Deaths, All Causes	22,567	23,031	305	211	22,262	22,820
Tuberculosis	5	5			5	5
Human Immunodeficiency Virus	35	13	2	1	33	12
Malignant Neoplasms	5,743	5,102	53	50	5,690	5,052
Stomach	96	64	4	3	92	61
Colon, Rectum, Anus	460	457	2	3	458	454
Pancreas	361	360	4	5	357	355
Trachea, Bronchus and Lung	1,626	1,256	6	4	1,620	1,252
Breast	8	757		8	8	749
Cervix/Corpus Uteri, Ovary		499		6		493
Prostate	587		4		583	
Urinary Tract	415	174	2		413	174
Non-Hodgkin's Lymphoma	242	193	4	2	238	191
Leukemia	285	206	2	3	283	203
Other Malignant Neoplasms	1,663	1,136	25	16	1,638	1,120
Diabetes Mellitus	581	526	11	10	570	516
Alzheimer's Disease	486	1,124	4	5	482	1,119
Major Cardiovascular Diseases	7,002	7,265	75	42	6,927	7,223
Diseases of the Heart	5,542	5,252	63	29	5,479	5,223
Hyp. Heart Dis. w/wo Renal Disease	205	323	4	6	201	317
Ischemic Heart Diseases	3,781	2,841	43	16	3,738	2,825
Other Diseases of the Heart	1,556	2,088	16	7	1,540	2,081
Essential Hypertension/Hypertensive Renal Disease	167	252	2	4	165	248
Cerebrovascular Diseases	1,019	1,480	10	8	1,009	1,472
Atherosclerosis	42	65	1	1	42	64
Other Dis. of Circulatory System	232	216		2	232	216
Influenza and Pneumonia	433	544	9	4	424	540
Chronic Lower Respiratory Diseases	1,196	1,262	6	6	1,190	1,256
Peptic Ulcer	37	23	1		36	23
Chronic Liver Disease and Cirrhosis	303	194	11	4	292	190
Nephritis/Nephrotic Syndrome/Nephrosis	470	521	5	7	465	514
Pregnancy, Childbirth and the Puerperium		13				13
Certain Conditions Orig. Perinatal Period	133	84	10	9	123	75
Congenital Malformations, etc.	105	90	5	7	100	83
Sudden Infant Death Syndrome	17	11	2	2	15	9
Symptoms, Signs and Lab. Findings	89	99	2	3	87	96
All Other Diseases	3,731	4,920	40	42	3,691	4,878
Motor Vehicle Accidents	401	181	23	8	378	173
All Accidents (except motor vehicle)	1,074	807	24	3	1,050	804
Intentional Self-Harm (Suicide)	559	165	13	3	546	162
Assault (Homicide)	112	51	8	4	104	47
All Other External Causes	55	31	1	1	54	30

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Underlying cause of death is the disease or injury that initiated events resulting in death. For the ICD-10 codes used for cause-of-death groupings, see Technical Notes, page 82.

Cause of Death

Table 17. Leading Underlying Causes of Death by Race, Wisconsin 2008 and 2009

2008	Number	Percent	2009	Number	Percent
TOTAL, ALL RACES	46,526	100.0	TOTAL, ALL RACES	45,598	100.0
Diseases of the Heart	11,272	24.2	Malignant Neoplasms	10,845	23.8
Malignant Neoplasms	11,120	23.9	Diseases of the Heart	10,794	23.7
Cerebrovascular Diseases	2,536	5.5	Cerebrovascular Diseases	2,499	5.5
Chronic Lower Respiratory Dis.	2,513	5.4	Chronic Lower Respiratory Dis.	2,458	5.4
Accidents (ex. med./surg. Comp.)	2,443	5.3	Accidents (ex. med./surg. Comp.)	2,432	5.3
Alzheimer's Disease	1,653	3.6	Alzheimer's Disease	1,610	3.5
Diabetes Mellitus	1,145	2.5	Diabetes Mellitus	1,107	2.4
Influenza and Pneumonia	1,108	2.4	Nephritis/Nephrotic/Nephrosis	991	2.2
Nephritis/Nephrotic/Nephrosis	1,004	2.2	Influenza and Pneumonia	977	2.1
Intentional Self-Harm (Suicide)	737	1.6	Intentional Self-Harm (Suicide)	724	1.6
Septicemia	486	1.0	Chronic Liver Disease/Cirrhosis	497	1.1
Chronic Liver Disease/Cirrhosis	477	1.0	Septicemia	485	1.1
WHITE	43,868	100.0	WHITE	42,910	100.0
Diseases of the Heart	10,731	24.5	Malignant Neoplasms	10,240	23.9
Malignant Neoplasms	10,489	23.9	Diseases of the Heart	10,238	23.9
Chronic Lower Respiratory Dis.	2,415	5.5	Chronic Lower Respiratory Dis.	2,377	5.5
Cerebrovascular Diseases	2,402	5.5	Cerebrovascular Diseases	2,357	5.5
Accidents (ex. med./surg. comp.)	2,271	5.2	Accidents (ex. med./surg. comp.)	2,233	5.2
Alzheimer's Disease	1,613	3.7	Alzheimer's Disease	1,569	3.7
Influenza and Pneumonia	1,069	2.4	Diabetes Mellitus	1,019	2.4
Diabetes Mellitus	1,059	2.4	Influenza and Pneumonia	928	2.2
Nephritis/Nephrotic/Nephrosis	907	2.1	Nephritis/Nephrotic/Nephrosis	913	2.1
Intentional Self-Harm (Suicide)	700	1.6	Intentional Self-Harm (Suicide)	681	1.6
Septicemia	446	1.0	Parkinson's Disease	449	1.0
Parkinson's Disease	440	1.0	Chronic Liver Disease/Cirrhosis	444	1.0
BLACK/AFRICAN AMERICAN	2,023	100.0	BLACK/AFRICAN AMERICAN	2,092	100.0
Malignant Neoplasms	504	24.9	Malignant Neoplasms	488	23.3
Diseases of the Heart	428	21.2	Diseases of the Heart	436	20.8
Accidents (ex. med./surg. comp.)	119	5.9	Accidents (ex. med./surg. comp.)	145	6.9
Cerebrovascular Diseases	102	5.0	Cerebrovascular Diseases	107	5.1
Chronic Lower Respiratory Dis.	69	3.4	Assault (Homicide)	72	3.4
Nephritis/Nephrotic/Nephrosis	69	3.4	Diabetes Mellitus	66	3.2
Assault (Homicide)	64	3.2	Certain Cond. Orig. in Perinatal Per.	66	3.2
Certain Cond Orig Perinatal Per.	63	3.1	Nephritis/Nephrotic/Nephrosis	63	3.0
Diabetes Mellitus	56	2.8	Chronic Lower Respiratory Dis.	57	2.7
Alzheimer's Disease	34	1.7	Alzheimer's Disease	35	1.7
Septicemia	31	1.5	Influenza and Pneumonia	34	1.6
Chronic Liver Disease/Cirrhosis	26	1.3	Intentional Self-Harm (Suicide)	34	1.6

(continued)

Cause of Death

Table 17. Leading Underlying Causes of Death by Race, Wisconsin 2008 and 2009

2008			2009		
	Number	Percent		Number	Percent
AMERICAN INDIAN	354	100.0	AMERICAN INDIAN	343	100.0
Malignant Neoplasms	70	19.8	Diseases of the Heart	80	23.3
Diseases of the Heart	61	17.2	Malignant Neoplasms	69	20.1
Accidents (ex. med./surg. Comp.)	29	8.2	Accidents (ex. med./surg. comp.)	41	12.0
Diabetes Mellitus	23	6.5	Chronic Liver Disease/Cirrhosis	20	5.8
Chronic Lower Respiratory Dis.	21	5.9	Chronic Lower Respiratory Dis.	17	5.0
Chronic Liver Disease/Cirrhosis	21	5.9	Diabetes Mellitus	13	3.8
Nephritis/Nephrotic/Nephrosis	15	4.2	Septicemia	10	2.9
Intentional Self-Harm (Suicide)	10	2.8	Influenza and Pneumonia	8	2.3
Cerebrovascular Diseases	9	2.5	Cerebrovascular Diseases	7	2.0
Influenza and Pneumonia	9	2.5	Nephritis/Nephrotic/Nephrosis	7	2.0
Septicemia	5	1.4	Intentional Self-Harm (Suicide)	5	1.5
Assault (Homicide)	5	1.4	Certain Cond. Orig. in Perinatal Per.	4	1.2
ASIAN	268	100.0	ASIAN	245	100.0
Malignant Neoplasms	57	21.3	Malignant Neoplasms	48	19.6
Diseases of the Heart	50	18.7	Diseases of the Heart	39	15.9
Cerebrovascular Diseases	21	7.8	Cerebrovascular Diseases	28	11.4
Accidents (ex. med./surg. Comp.)	21	7.8	Accidents (ex. med./surg. comp.)	12	4.9
Nephritis/Nephrotic/Nephrosis	12	4.5	Diabetes Mellitus	8	3.3
Chronic Lower Respiratory Dis.	8	3.0	Nephritis/Nephrotic/Nephrosis	8	3.3
Certain Cond Orig in Perinatal Per	8	3.0	Influenza and Pneumonia	7	2.9
Diabetes Mellitus	7	2.6	Chronic Lower Respiratory Dis.	7	2.9
Congenital Malformations, etc.	7	2.6	Assault (Homicide)	7	2.9
Influenza and Pneumonia	6	2.2	Hypertension/Hyperten. Renal Dis.	6	2.4
Chronic Liver Disease/Cirrhosis	6	2.2	Chronic Liver Disease/Cirrhosis	6	2.4
Intentional Self-Harm (Suicide)	6	2.2	Alzheimer's Disease	5	2.0

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Included in the 2008 total are 12 deaths for which race was unknown. The 2009 total includes 8 deaths for which race was unknown. Also included in the 2008 total is one Hawaiian death.

Underlying cause of death is the disease or injury that initiated the events resulting in death.

For the ICD-10 codes used for cause-of-death groupings, see Technical Notes, page 79.

Conditions abbreviated in this table are spelled out in full in the Technical Notes.

- Diseases of the heart and cancer were the two leading underlying causes of death in each race group. In 2009, diseases of the heart accounted for 24 percent of deaths among whites, 21 percent of deaths among African Americans, 23 percent of deaths among American Indians and 16 percent of deaths among Asians. Cancer accounted for 24 percent of deaths among whites, 23 percent of deaths among African Americans, and 20 percent of deaths among both American Indians and Asians.
- Accidents accounted for over 5 percent of total deaths in 2009, 5 percent of deaths among whites, 7 percent of deaths among African Americans, 12 percent of deaths among American Indians and 5 percent of deaths among Asians.
- Differences in leading causes of death by race reflect differences in population age structure (as well as other factors): compared with the total state population, larger proportions of blacks and other minority groups are children and young adults.

Cause of Death

Table 18. Leading Underlying Causes of Death for Males by Race, Wisconsin 2008 and 2009

2008			2009		
	Number	Percent		Number	Percent
TOTAL, ALL RACES	22,762	100.0	TOTAL, ALL RACES	22,567	100.0
Malignant Neoplasms	5,780	25.4	Malignant Neoplasms	5,743	25.4
Diseases of the Heart	5,724	25.1	Diseases of the Heart	5,542	24.6
Accidents (ex. med./surg. comp.)	1,471	6.5	Accidents (ex. med./surg. comp.)	1,461	6.5
Chronic Lower Respiratory Dis.	1,234	5.4	Chronic Lower Respiratory Dis.	1,196	5.3
Cerebrovascular Diseases	977	4.3	Cerebrovascular Diseases	1,019	4.5
Diabetes Mellitus	612	2.7	Diabetes Mellitus	581	2.6
Intentional Self-Harm (Suicide)	580	2.5	Intentional Self-Harm (Suicide)	559	2.5
Influenza and Pneumonia	516	2.3	Alzheimer's Disease	486	2.2
Nephritis/Nephrotic/Nephrosis	487	2.1	Nephritis/Nephrotic/Nephrosis	470	2.1
Alzheimer's Disease	472	2.1	Influenza and Pneumonia	433	1.9
Chronic Liver Disease/Cirrhosis	308	1.4	Chronic Liver Disease/Cirrhosis	303	1.3
Parkinson's Disease	245	1.1	Parkinson's Disease	254	1.1
WHITE	21,373	100.0	WHITE	21,135	100.0
Malignant Neoplasms	5,455	25.5	Malignant Neoplasms	5,414	25.6
Diseases of the Heart	5,452	25.5	Diseases of the Heart	5,263	24.9
Accidents (ex. med./surg. Comp.)	1,356	6.3	Accidents (ex. med./surg. Comp.)	1,331	6.3
Chronic Lower Respiratory Dis.	1,184	5.5	Chronic Lower Respiratory Dis.	1,150	5.4
Cerebrovascular Diseases	919	4.3	Cerebrovascular Diseases	948	4.5
Diabetes Mellitus	574	2.7	Diabetes Mellitus	539	2.6
Intentional Self-Harm (Suicide)	550	2.6	Intentional Self-Harm (Suicide)	525	2.5
Influenza and Pneumonia	490	2.3	Alzheimer's Disease	471	2.2
Alzheimer's Disease	460	2.2	Nephritis/Nephrotic/Nephrosis	438	2.1
Nephritis/Nephrotic/Nephrosis	438	2.0	Influenza and Pneumonia	414	2.0
Chronic Liver Disease/Cirrhosis	278	1.3	Chronic Liver Disease/Cirrhosis	272	1.3
Parkinson's Disease	244	1.1	Parkinson's Disease	250	1.2
BLACK/AFRICAN AMERICAN	1,065	100.0	BLACK/AFRICAN AMERICAN	1,124	100.0
Malignant Neoplasms	269	25.3	Malignant Neoplasms	270	24.0
Diseases of the Heart	213	20.0	Diseases of the Heart	216	19.2
Accidents (ex. med./surg. Comp.)	77	7.2	Accidents (ex. med./surg. Comp.)	96	8.5
Assault (Homicide)	54	5.1	Assault (Homicide)	62	5.5
Cerebrovascular Diseases	44	4.1	Cerebrovascular Diseases	55	4.9
Chronic Lower Respiratory Dis.	38	3.6	Certain Cond. Orig. Perinatal Per.	42	3.7
Certain Cond. Orig. Perinatal Per.	37	3.5	Chronic Lower Respiratory Dis.	33	2.9
Nephritis/Nephrotic/Nephrosis	36	3.4	Diabetes Mellitus	29	2.6
Diabetes Mellitus	25	2.3	Nephritis/Nephrotic/Nephrosis	26	2.3
Chronic Liver Disease/Cirrhosis	18	1.7	Intentional Self-Harm (Suicide)	25	2.2
Influenza and Pneumonia	16	1.5	Septicemia	16	1.4
Intentional Self-Harm (Suicide)	16	1.5	Influenza and Pneumonia	14	1.2

(continued)

Cause of Death

Table 18. Leading Underlying Causes of Death for Males by Race, Wisconsin 2008 and 2009

2008	Number	Percent	2009	Number	Percent
AMERICAN INDIAN	200	100.0	AMERICAN INDIAN	185	100.0
Diseases of the Heart	37	18.5	Diseases of the Heart	47	25.4
Malignant Neoplasms	31	15.5	Malignant Neoplasms	32	17.3
Accidents (ex. med./surg. comp.)	24	12.0	Accidents (ex. med./surg. comp.)	26	14.1
Diabetes Mellitus	12	6.0	Chronic Liver Disease/Cirrhosis	13	7.0
Intentional Self-Harm (Suicide)	10	5.0	Diabetes Mellitus	10	5.4
Chronic Liver Disease/Cirrhosis	9	4.5	Chronic Lower Respiratory Dis.	8	4.3
Chronic Lower Respiratory Dis.	7	3.5	Intentional Self-Harm (Suicide)	5	2.7
Nephritis/Nephrotic/Nephrosis	6	3.0	Septicemia	4	2.2
Cerebrovascular Diseases	5	2.5	Certain Cond. Orig. Perinatal Per.	4	2.2
Influenza and Pneumonia	5	2.5	Cerebrovascular Diseases	3	1.6
Certain Cond. Orig. Perinatal Per.	4	2.0	Influenza and Pneumonia	3	1.6
Assault (Homicide)	4	2.0	Pneumonitis due to Solids/Liquids	2	1.1
ASIAN	118	100.0	ASIAN	120	100.0
Malignant Neoplasms	25	21.2	Malignant Neoplasms	27	22.5
Diseases of the Heart	22	18.6	Diseases of the Heart	16	13.3
Accidents (ex. Med./surg. comp.)	12	10.2	Cerebrovascular Diseases	13	10.8
Cerebrovascular Diseases	8	6.8	Accidents (ex. med./surg. comp.)	7	5.8
Nephritis/Nephrotic/Nephrosis	6	5.1	Chronic Lower Respiratory Dis.	5	4.2
Influenza and Pneumonia	5	4.2	Assault (Homicide)	5	4.2
Chronic Lower Respiratory Dis.	5	4.2	Chronic Liver Disease/Cirrhosis	4	3.3
Chronic Liver Disease/Cirrhosis	3	2.5	Nephritis/Nephrotic/Nephrosis	4	3.3
Congenital Malformations, etc.	3	2.5	Intentional Self-Harm (Suicide)	4	3.3
Intentional Self-Harm (Suicide)	3	2.5	Diabetes Mellitus	3	2.5
Pneumonitis due to Solids/Liquids	2	1.7	Congenital Malformations, etc.	3	2.5
Septicemia	1	0.8	Alzheimer's Disease	2	1.7

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: There were five decedents in 2008 and three decedents in 2009 whose race was unknown; these were included in the

totals. Also included in the total for 2008 is one Hawaiian death.

Underlying cause of death is the disease or injury that initiated events resulting in death.

For the ICD-10 codes used for cause-of-death groupings, see Technical Notes, page 79.

Conditions abbreviated in this table are spelled out in full in the Technical Notes.

- Malignant neoplasms (cancer) and diseases of the heart were the leading underlying causes of death in 2009 for males of all races in Wisconsin.
- Accidents were the third leading cause of death among males of all races.

Cause of Death

Table 19. Leading Underlying Causes of Death for Females by Race, Wisconsin 2008 and 2009

2008			2009		
	Number	Percent		Number	Percent
TOTAL, ALL RACES	23,763	100.0	TOTAL, ALL RACES	23,031	100.0
Diseases of the Heart	5,548	23.3	Diseases of the Heart	5,252	22.8
Malignant Neoplasms	5,340	22.5	Malignant Neoplasms	5,102	22.2
Cerebrovascular Diseases	1,559	6.6	Cerebrovascular Diseases	1,480	6.4
Chronic Lower Respiratory Dis.	1,279	5.4	Chronic Lower Respiratory Dis.	1,262	5.5
Alzheimer's Disease	1,181	5.0	Alzheimer's Disease	1,124	4.9
Accidents (ex. med./surg. Comp.)	972	4.1	Accidents (ex. med./surg. Comp.)	971	4.2
Influenza and Pneumonia	592	2.5	Influenza and Pneumonia	544	2.4
Diabetes Mellitus	533	2.2	Diabetes Mellitus	526	2.3
Nephritis/Nephrotic/Nephrosis	517	2.2	Nephritis/Nephrotic/Nephrosis	521	2.3
Septicemia	263	1.1	Hypertension/Hyperten. Renal Dis.	252	1.1
Hypertension/Hyperten. Renal Dis.	248	1.0	Septicemia	242	1.1
Parkinson's Disease	199	0.8	Parkinson's Disease	202	0.9
WHITE	22,495	100.0	WHITE	21,775	100.0
Diseases of the Heart	5,279	23.5	Diseases of the Heart	4,975	23.4
Malignant Neoplasms	5,034	22.4	Malignant Neoplasms	4,826	20.9
Cerebrovascular Diseases	1,483	6.6	Cerebrovascular Diseases	1,409	6.5
Chronic Lower Respiratory Dis.	1,231	5.5	Chronic Lower Respiratory Dis.	1,227	5.6
Alzheimer's Disease	1,153	5.1	Alzheimer's Disease	1,098	5.0
Accidents (ex. med./surg. Comp.)	915	4.1	Accidents (ex. med./surg. Comp.)	902	4.1
Influenza and Pneumonia	579	2.6	Influenza and Pneumonia	514	2.4
Diabetes Mellitus	485	2.2	Diabetes Mellitus	480	2.2
Nephritis/Nephrotic/Nephrosis	469	2.1	Nephritis/Nephrotic/Nephrosis	475	2.2
Septicemia	242	1.1	Hypertension/Hypertens. Renal Dis.	232	1.1
Hypertension/Hypertens. Renal Dis.	232	1.0	Septicemia	220	1.0
Parkinson's Disease	196	0.9	Parkinson's Disease	199	0.9
BLACK/AFRICAN AMERICAN	958	100.0	BLACK/AFRICAN AMERICAN	968	100.0
Malignant Neoplasms	235	24.5	Diseases of the Heart	220	22.7
Diseases of the Heart	215	22.4	Malignant Neoplasms	218	22.5
Cerebrovascular Diseases	58	6.1	Cerebrovascular Diseases	52	5.4
Accidents (ex. med./surg. Comp.)	42	4.4	Accidents (ex. med./surg. Comp.)	49	5.1
Nephritis/Nephrotic/Nephrosis	33	3.4	Diabetes Mellitus	37	3.8
Diabetes Mellitus	31	3.2	Nephritis/Nephrotic/Nephrosis	37	3.8
Chronic Lower Respiratory Dis.	31	3.2	Chronic Lower Respiratory Dis.	24	2.5
Alzheimer's Disease	26	2.7	Certain Cond. Orig. Perinatal Per.	24	2.5
Certain Cond. Orig. Perinatal Per.	26	2.7	Alzheimer's Disease	22	2.3
Septicemia	16	1.7	Influenza and Pneumonia	20	2.1
Hypertension/Hypertens. Renal Dis.	15	1.6	Hypertension/Hypertens. Renal Dis.	16	1.7
Congenital Malformations, etc.	10	1.0	Septicemia	15	1.5

(continued)

Cause of Death

Table 19. Leading Underlying Causes of Death for Females by Race, Wisconsin 2008 and 2009

2008		Number	Percent	2009		Number	Percent
AMERICAN INDIAN		154	100.0	AMERICAN INDIAN		158	100.0
Malignant Neoplasms		39	25.3	Malignant Neoplasms		37	23.4
Diseases of the Heart		24	15.6	Diseases of the Heart		23	20.9
Chronic Lower Respiratory Dis.		14	9.1	Accidents (ex. med./surg. comp.)		15	9.5
Chronic Liver Disease and Cirrhosis		12	7.8	Chronic Lower Respiratory Dis.		9	5.7
Diabetes Mellitus		11	7.1	Chronic Liver Disease and Cirrhosis		7	4.4
Nephritis/Nephrotic/Nephrosis		9	5.8	Septicemia		6	3.8
Accidents (ex. med./surg. Comp.)		5	3.2	Influenza and Pneumonia		5	3.2
Cerebrovascular Diseases		4	2.6	Nephritis/Nephrotic/Nephrosis		5	3.2
Influenza and Pneumonia		4	2.6	Cerebrovascular Diseases		4	2.5
Septicemia		2	1.3	Diabetes Mellitus		3	1.9
Parkinson's Disease		1	0.6	In Situ/Benign/Uncert Neoplasms		2	1.3
Alzheimer's Disease		1	0.6	Alzheimer's Disease		1	0.6
ASIAN		150	100.0	ASIAN		125	100.0
Malignant Neoplasms		32	21.3	Diseases of the Heart		23	18.4
Diseases of the Heart		28	18.7	Malignant Neoplasms		21	16.8
Cerebrovascular Diseases		13	8.7	Cerebrovascular Diseases		15	12.0
Accidents (ex. med./surg. Comp.)		9	6.0	Diabetes Mellitus		5	4.0
Certain Cond. Orig. Perinatal Per.		7	4.7	Influenza and Pneumonia		5	4.0
Diabetes Mellitus		6	4.0	Accidents (ex. med./surg. comp.)		5	4.0
Nephritis/Nephrotic/Nephrosis		6	4.0	Hypertension/Hypertens. Renal Dis.		4	3.2
Congenital Malformations, etc.		4	2.7	Nephritis/Nephrotic/Nephrosis		4	3.2
Septicemia		3	2.0	Alzheimer's Disease		3	2.4
Chronic Lower Respiratory Dis.		3	2.0	Certain Cond. Orig. Perinatal Per.		3	2.4
Chronic Liver Disease/Cirrhosis		3	2.0	Chronic Lower Respiratory Dis.		2	1.6
Intentional Self-Harm (Suicide)		3	2.0	Chronic Liver Disease and Cirrhosis		2	1.6

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: There were six records in 2008 and five records in 2009 for which race was unknown; these are included in the totals.

Underlying cause of death is the disease or injury that initiated events resulting in death. For the ICD-10 codes used for cause of death groupings, see Technical Notes, page 79. Conditions abbreviated in this table are spelled out in full in the Technical Notes.

- Among females in every race group, diseases of the heart and malignant neoplasms (cancer) were the two leading underlying causes of death in 2009.
- Cerebrovascular diseases were the third leading cause of death for white, African American and Asian females, while accidents ranked third for American Indian females.

Cause of Death

Table 20. Leading Underlying Causes of Death by Ethnicity, Wisconsin 2008 and 2009

2008			2009		
	Number	Percent		Number	Percent
TOTAL	46,526	100.0	TOTAL	45,598	100.0
Diseases of the Heart	11,272	24.2	Malignant Neoplasms	10,845	23.8
Malignant Neoplasms	11,120	23.9	Diseases of the Heart	10,794	23.7
Cerebrovascular Diseases	2,536	5.5	Cerebrovascular Diseases	2,499	5.5
Chronic Lower Respiratory Dis.	2,513	5.4	Chronic Lower Respiratory Dis.	2,458	5.4
Accidents (ex. Med./surg. comp.)	2,443	5.3	Accidents (ex. Med./surg. Comp.)	2,432	5.3
Alzheimer's Disease	1,653	3.6	Alzheimer's Disease	1,610	3.5
Diabetes Mellitus	1,145	2.5	Diabetes Mellitus	1,107	2.4
Influenza and Pneumonia	1,108	2.4	Nephritis/Nephrotic/Nephrosis	991	2.2
Nephritis/Nephrotic/Nephrosis	1,004	2.2	Influenza and Pneumonia	977	2.1
Intentional Self-Harm (Suicide)	737	1.6	Intentional Self-Harm (Suicide)	724	1.6
NON-HISPANIC	46,034	100.0	NON-HISPANIC	45,082	100.0
Diseases of the Heart	11,188	24.3	Malignant Neoplasms	10,742	23.8
Malignant Neoplasms	11,043	24.0	Diseases of the Heart	10,702	23.7
Cerebrovascular Diseases	2,512	5.5	Cerebrovascular Diseases	2,481	5.5
Chronic Lower Respiratory Dis.	2,506	5.4	Chronic Lower Respiratory Dis.	2,446	5.4
Accidents (ex. med./surg. comp.)	2,380	5.2	Accidents (ex. med./surg. Comp.)	2,375	5.3
Alzheimer's Disease	1,646	3.6	Alzheimer's Disease	1,601	3.6
Diabetes Mellitus	1,126	2.4	Diabetes Mellitus	1,086	2.4
Influenza and Pneumonia	1,101	2.4	Nephritis/Nephrotic/Nephrosis	979	2.2
Nephritis/Nephrotic/Nephrosis	994	2.2	Influenza and Pneumonia	964	2.1
Intentional Self-Harm (Suicide)	720	1.6	Intentional Self-Harm (Suicide)	708	1.6
HISPANIC/LATINO	490	100.0	HISPANIC/LATINO	516	100.0
Diseases of the Heart	84	17.1	Malignant Neoplasms	103	20.0
Malignant Neoplasms	77	15.7	Diseases of the Heart	92	17.8
Accidents (ex. med./surg. Comp.)	63	12.9	Accidents (ex. med./surg. Comp.)	57	11.0
Congenital Malformations, etc.	26	5.3	Diabetes Mellitus	21	4.1
Cerebrovascular Diseases	24	4.9	Certain Cond. Orig. Perinatal Per.	19	3.7
Certain Cond. Orig. Perinatal Per.	22	4.5	Cerebrovascular Diseases	18	3.5
Diabetes Mellitus	19	3.9	Intentional Self-Harm (Suicide)	16	3.1
Intentional Self-Harm (Suicide)	17	3.5	Chronic Liver Disease and Cirrhosis	15	2.9
Chronic Liver Disease/Cirrhosis	15	3.1	Influenza and Pneumonia	13	2.5
Assault (Homicide)	11	2.2	Chronic Lower Respiratory Dis.	12	2.3

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Underlying cause of death is the disease or injury that initiated the events resulting in death. For the ICD-10 codes used for cause-of-death groupings, see Technical Notes, page 79. Conditions abbreviated in this table are spelled out in full in the Technical Notes. Included in the total for 2008 are one death where ethnicity was unknown and one death where sex was unknown.

- Diseases of the heart and malignant neoplasms were the leading causes of death among Hispanics/Latinos in 2008 and 2009.
- In 2009, accidents accounted for 11 percent of deaths among Hispanics and 5 percent of deaths among non-Hispanics.

Cause of Death

Table 21. Leading Underlying Causes of Death for Males by Ethnicity, Wisconsin 2008 and 2009

2008	Number	Percent	2009	Number	Percent
TOTAL	22,762	100.0	TOTAL	22,567	100.0
Malignant Neoplasms	5,780	25.4	Malignant Neoplasms	5,743	25.4
Diseases of the Heart	5,724	25.1	Diseases of the Heart	5,542	24.6
Accidents (ex. med./surg. comp.)	1,471	6.5	Accidents (ex. med./surg. comp.)	1,461	6.5
Chronic Lower Respiratory Dis.	1,234	5.4	Chronic Lower Respiratory Dis.	1,196	5.3
Cerebrovascular Diseases	977	4.3	Cerebrovascular Diseases	1,019	4.5
Diabetes Mellitus	612	2.7	Diabetes Mellitus	581	2.6
Intentional Self-Harm (Suicide)	580	2.5	Intentional Self-Harm (Suicide)	559	2.5
Influenza and Pneumonia	516	2.3	Alzheimer's Disease	486	2.2
Nephritis/Nephrotic/Nephrosis	487	2.1	Nephritis/Nephrotic/Nephrosis	470	2.1
Alzheimer's Disease	472	2.1	Influenza and Pneumonia	433	1.9
NON-HISPANIC	22,448	100.0	NON-HISPANIC	22,262	100.0
Malignant Neoplasms	5,732	25.5	Malignant Neoplasms	5,690	25.6
Diseases of the Heart	5,672	25.3	Diseases of the Heart	5,479	24.6
Accidents (ex. med./surg. Comp.)	1,421	6.3	Accidents (ex. med./surg. Comp.)	1,414	6.4
Chronic Lower Respiratory Dis.	1,230	5.5	Chronic Lower Respiratory Dis.	1,190	5.3
Cerebrovascular Diseases	961	4.3	Cerebrovascular Diseases	1,009	4.5
Diabetes Mellitus	601	2.7	Diabetes Mellitus	570	2.6
Intentional Self-Harm (Suicide)	564	2.5	Intentional Self-Harm (Suicide)	546	2.5
Influenza and Pneumonia	512	2.3	Alzheimer's Disease	482	2.2
Nephritis/Nephrotic/Nephrosis	481	2.1	Nephritis/Nephrotic/Nephrosis	465	2.1
Alzheimer's Disease	469	2.1	Influenza and Pneumonia	424	1.9
HISPANIC/LATINO	314	100.0	HISPANIC/LATINO	305	100.0
Diseases of the Heart	52	16.6	Diseases of the Heart	63	20.7
Accidents (ex. med./surg. comp.)	50	15.9	Malignant Neoplasms	53	17.4
Malignant Neoplasms	48	15.3	Accidents (ex. med./surg. comp.)	47	15.4
Congenital Malformations, etc.	20	6.4	Intentional Self-Harm (Suicide)	13	4.3
Cerebrovascular Diseases	16	5.1	Diabetes Mellitus	11	3.6
Intentional Self-Harm (Suicide)	16	5.1	Chronic Liver Disease and Cirrhosis	11	3.6
Chronic Liver Disease and Cirrhosis	12	3.8	Cerebrovascular Diseases	10	3.3
Diabetes Mellitus	11	3.5	Certain Cond. Orig. Perinatal Per.	10	3.3
Certain Cond. Orig. Perinatal Per.	11	3.5	Influenza and Pneumonia	9	3.0
Assault (Homicide)	8	2.5	Assault (Homicide)	8	2.6

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Underlying cause of death is the disease or injury that initiated events resulting in death. For the ICD-10 codes used for cause-of-death groupings, see Technical Notes, page 79. Conditions abbreviated in this table are spelled out in full in the Technical Notes.

- Among Hispanic/Latino males, diseases of the heart were the leading cause of death in 2009, followed by malignant neoplasms.

Cause of Death

Table 22. Leading Underlying Causes of Death for Females by Ethnicity, Wisconsin 2008 and 2009

2008			2009		
	Number	Percent		Number	Percent
TOTAL	23,763	100.0	TOTAL	23,031	100.0
Diseases of the Heart	5,548	23.3	Diseases of the Heart	5,252	22.8
Malignant Neoplasms	5,340	22.5	Malignant Neoplasms	5,102	22.2
Cerebrovascular Diseases	1,559	6.6	Cerebrovascular Diseases	1,480	6.4
Chronic Lower Respiratory Dis.	1,279	5.4	Chronic Lower Respiratory Dis.	1,262	5.5
Alzheimer's Disease	1,181	5.0	Alzheimer's Disease	1,124	4.9
Accidents (ex. med./surg. Comp.)	972	4.1	Accidents (ex. med./surg. Comp.)	971	4.2
Influenza and Pneumonia	592	2.5	Influenza and Pneumonia	544	2.4
Diabetes Mellitus	533	2.2	Diabetes Mellitus	526	2.3
Nephritis/Nephrotic/Nephrosis	517	2.2	Nephritis/Nephrotic/Nephrosis	521	2.3
Septicemia	263	1.1	Hypertension/Hypertens. Renal Dis.	252	1.1
NON-HISPANIC	23,586	100.0	NON-HISPANIC	22,820	100.0
Diseases of the Heart	5,516	23.4	Diseases of the Heart	5,223	22.9
Malignant Neoplasms	5,311	22.5	Malignant Neoplasms	5,052	22.2
Cerebrovascular Diseases	1,551	6.6	Cerebrovascular Diseases	1,472	6.5
Chronic Lower Respiratory Dis.	1,276	5.4	Chronic Lower Respiratory Dis.	1,256	5.5
Alzheimer's Disease	1,177	5.0	Alzheimer's Disease	1,119	4.9
Accidents (ex. med./surg. Comp.)	959	4.1	Accidents (ex. med./surg. Comp.)	961	4.2
Influenza and Pneumonia	589	2.5	Influenza and Pneumonia	540	2.4
Diabetes Mellitus	525	2.2	Diabetes Mellitus	516	2.3
Nephritis/Nephrotic/Nephrosis	513	2.2	Nephritis/Nephrotic/Nephrosis	514	2.3
Septicemia	259	1.1	Hypertension/Hypertens. Renal Dis.	248	1.1
HISPANIC/LATINA	176	100.0	HISPANIC/LATINA	211	100.0
Diseases of the Heart	32	18.2	Malignant Neoplasms	50	23.7
Malignant Neoplasms	29	16.5	Diseases of the Heart	29	13.7
Accidents (ex. med./surg. comp.)	13	7.4	Diabetes Mellitus	10	4.7
Certain Cond. Orig. Perinatal Per.	11	6.3	Accidents (ex. med./surg. Comp.)	10	4.7
Diabetes Mellitus	8	4.5	Certain Cond. Orig. Perinatal Per.	9	4.3
Cerebrovascular Diseases	8	4.5	Cerebrovascular Diseases	8	3.8
Congenital Malformations, etc.	6	3.4	Nephritis/Nephrotic/Nephrosis	7	3.3
Septicemia	4	2.3	Congenital Malformations, etc.	7	3.3
Alzheimer's Disease	4	2.3	Chronic Lower Respiratory Dis.	6	2.8
Nephritis/Nephrotic/Nephrosis	4	2.3	Alzheimer's Disease	5	2.4

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Underlying cause of death is the disease or injury that initiated events resulting in death. For the ICD-10 codes used for cause of death groupings, see Technical Notes, page 79. Conditions abbreviated in this table are spelled out in full in the Technical Notes.

Included in the total for 2008 is one death where ethnicity was unknown.

- Among Hispanic/Latina females, heart disease and cancer were the two leading causes of death.

Cause of Death

Table 23. Deaths by Underlying Cause of Death and County of Residence, Wisconsin, 2009

	Total	Adams	Ashland	Barron	Bayfield	Brown	Buffalo	Burnett	Calumet	Chippewa	Clark
Total Deaths, All Causes	45,598	227	172	461	180	1,573	123	144	303	513	325
Male	22,567	125	88	222	97	753	54	85	150	270	165
Female	23,031	102	84	239	83	820	69	59	153	243	160
Tuberculosis	10										
Human Immunodeficiency Virus (HIV)	48					2		1			
Malignant Neoplasms	10,845	80	42	109	61	367	26	44	72	138	72
Stomach	160		1	2	1	11		1		1	
Colon, Rectum, Anus	917	6	4	9	5	29	1	5	6	10	10
Pancreas	721	5	1	2	7	14	1	3	5	13	6
Trachea, Bronchus and Lung	2,882	29	12	38	20	81	9	11	17	35	15
Breast	765	8	3	9	1	34	2	4	5	9	4
Cervix Uteri, Corpus Uteri, Ovary	499	3		3	2	15	1	2	3	6	3
Prostate	587	2	1	4	4	18		3	4	11	7
Urinary Tract	589	4		9	5	28	1		1	14	3
Non-Hodgkins Lymphoma	435	1	3	7		15	4	1	6	7	7
Leukemia	491	4	3	5	1	19	1	2	2	7	3
Other Malignant Neoplasms	2,799	18	14	21	15	103	6	12	23	25	14
Diabetes Mellitus	1,107	4	1	10	5	26	5	10	12	23	17
Alzheimers Disease	1,610	3	5	18	4	66	2	3	8	8	14
Major Cardiovascular Diseases	14,267	73	59	152	59	518	43	44	85	150	84
Diseases of the Heart	10,794	52	49	111	40	417	31	33	70	115	69
Hyper. Heart Dis w/wo Renal Dis.	528	1	2	2	2	6	2	1	4	2	5
Ischemic Heart Disease	6,622	38	34	78	30	261	12	19	36	70	41
Other Diseases of the Heart	3,644	13	13	31	8	150	17	13	30	43	23
Hypertension/Hypertensive Renal Dis.	419			2	1	5	1	1	3	6	3
Cerebrovascular Diseases	2,499	18	8	25	13	84	9	9	12	21	11
Atherosclerosis	107			1		2	1				
Other Diseases of Circulatory System	448	3	2	13	5	10	1	1		8	1
Influenza and Pneumonia	949	6	6	7	5	33	6	3	4	14	8
Chronic Lower Respiratory Diseases	2,458	14	10	22	8	94	7	9	20	29	19
Peptic Ulcer	60			1		2			1		
Chronic Liver Disease and Cirrhosis	497		3	4		21	2	1	3	7	3
Nephritis, Nephrotic Syn./Nephrosis	991	6	1	13	1	25	4	5	4	12	10
Pregnancy, Childbirth & Puerperium	13					1				1	
Certain Conditions Orig./Perinatal Per.	217	1	1	2		10	1		2	2	1
Congenital Malformations, etc.	195		1	5	1	6			2		3
Sudden Infant Death Syndrome	28				1	1					
Symptoms, Signs, and Lab Findings	188	1	1			3			3		2
All Other Diseases	8,679	22	35	92	26	271	21	12	61	84	70
Motor Vehicle Accidents	582	4	1	5	1	21	3	1	6	6	8
All Accidents (except motor vehicle)	1,881	9	6	14	6	61	2	6	7	29	7
Intentional Self-Harm (Suicide)	724	4		7	2	33	1	4	12	7	6
Assault (Homicide)	163					8			1		1
All Other External Causes	86					4		1		3	

Cause of Death

Table 23. Deaths by Underlying Cause of Death and County of Residence, Wisconsin 2009

	Columbia	Crawford	Dane	Dodge	Door	Douglas	Dunn	Eau Claire	Florence	Fond du Lac	Forest
Total Deaths, All Causes	480	164	2,742	841	329	394	284	697	48	842	106
Male	235	83	1,321	410	154	196	148	327	23	404	58
Female	245	81	1,421	431	175	198	136	370	25	438	48
Tuberculosis											
Human Immunodeficiency Virus		1	3				1				
Malignant Neoplasms	122	39	703	201	64	104	61	161	11	198	18
Stomach			10	4				2		3	2
Colon, Rectum, Anus	10	3	52	22	4	10	8	17	2	17	2
Pancreas	8	1	44	12	3	6	5	13		10	1
Trachea, Bronchus and Lung	40	14	180	52	21	24	17	38	2	49	5
Breast	5	4	59	17	3	5	2	11		14	
Cervix Uteri, Corpus Uteri, Ovary	7	3	41	8	3	3	3	6		10	
Prostate	6	3	38	10	2	4	3	11	3	13	1
Urinary Tract	5	1	34	9	5	6	3	8	1	11	2
Non-Hodgkin's Lymphoma	4	1	40	9	3	9	1	2	1	8	
Leukemia	8	2	27	9	1	6	3	7	1	9	1
Other Malignant Neoplasms	29	7	178	49	19	31	16	46	1	54	4
Diabetes Mellitus	7	5	60	21	5	17	4	20	4	22	1
Alzheimer's Disease	28	5	165	29	14	9	8	21		34	3
Major Cardiovascular Diseases	149	55	765	288	124	112	98	210	18	285	46
Diseases of the Heart	111	40	571	215	98	84	75	154	14	218	35
Hyp. Heart Dis. w/wo Renal Dis.	1	5	18	7		3		8		15	
Ischemic Heart Disease	67	23	303	152	59	51	44	79	8	135	21
Other Diseases of the Heart	43	12	250	56	39	30	31	67	6	68	14
Hypertension/Hypertens. Renal Dis.	7	2	17	9	3	8	2	6		5	1
Cerebrovascular Diseases	28	12	153	55	16	17	18	37	3	44	7
Atherosclerosis			1	2	4		1	1		10	
Other Dis. of Circulatory System	3	1	23	7	3	3	2	12	1	8	3
Influenza and Pneumonia	5	5	59	13	3	9	7	20		9	3
Chronic Lower Respiratory Diseases	24	15	106	27	17	29	19	44	2	36	13
Peptic Ulcer			4	2	1	1	1				
Chronic Liver Disease and Cirrhosis	4		26	4	1	5	1	8	2	8	2
Nephritis/Nephrotic Syn./Nephrosis	10	2	43	28	10	3	4	32	1	21	
Pregnancy, Childbirth and Puerperium			1	1							
Certain Conditions Orig. in Perinatal Per.	3		17	4	1		1	1		4	
Congenital Malformations, etc.			10	2		3		6		2	
Sudden Infant Death Syndrome	1									1	
Symptoms, Signs and Lab. Findings	9	1	15	4	4	3	4	1		1	1
All Other Diseases	88	23	562	139	69	73	48	133	7	154	15
Motor Vehicle Accidents	7	6	34	12	2	6	6	11		10	
All Accidents (except motor vehicle)	15	4	102	47	9	15	14	15	3	39	4
Intentional Self-Harm (Suicide)	5	3	57	15	5	5	4	12		16	
Assault (Homicide)			6	2			3	1		1	
All Other External Causes	3		4	2				1		1	

Cause of Death

Table 23. Deaths by Underlying Cause of Death and County of Residence, Wisconsin 2009

	Grant	Green	Green Lake	Iowa	Iron	Jackson	Jefferson	Juneau	Kenosha	Kewaunee	La Crosse
Total Deaths, All Causes	466	334	224	164	87	170	624	258	1,215	183	904
Male	200	169	111	86	37	88	320	132	608	90	431
Female	266	165	113	78	50	82	304	126	607	93	473
Tuberculosis											
Human Immunodeficiency Virus				1					2		2
Malignant Neoplasms	111	74	52	39	25	40	152	62	286	37	190
Stomach			1				3		1		2
Colon, Rectum, Anus	10	5	6	5		2	15	6	18	2	19
Pancreas	6	6	5	1	2	2	11	1	18	1	12
Trachea, Bronchus and Lung	28	16	7	8	10	11	32	20	78	9	46
Breast	4	9	6	6	2	6	8	4	21	3	11
Cervix Uteri, Corpus Uteri, Ovary	6	3	3	2	1	2	4	3	9	2	8
Prostate	9	3	3	6	2	3	7	5	14	4	9
Urinary Tract	2	2	4	2		5	12	3	16	2	11
Non-Hodgkin's Lymphoma	7	4	2	1	1		6	1	10		8
Leukemia	9	5	6		2	4	11	3	18	1	5
Other Malignant Neoplasms	30	21	9	8	5	5	43	16	83	13	59
Diabetes Mellitus	17	12	3	1	2	2	20	10	40	4	19
Alzheimer's Disease	18	16	2	2	3	8	27	6	39	7	32
Major Cardiovascular Diseases	143	103	84	61	32	62	193	83	358	66	244
Diseases of the Heart	96	78	66	45	23	41	142	62	282	53	166
Hyp. Heart Dis. w/wo Renal Dis.	7	4	6				2	3	15	2	2
Ischemic Heart Disease	51	46	40	35	19	21	101	35	198	24	98
Other Diseases of the Heart	38	28	20	10	4	20	39	24	69	27	66
Hypertension/Hypertens. Renal Dis.	4	3	3	1	2	1	10	4	13	1	6
Cerebrovascular Diseases	37	17	12	13	5	16	36	15	47	10	66
Atherosclerosis	1			1					1		
Other Dis. of Circulatory System	5	5	3	1	2	4	5	2	15	2	6
Influenza and Pneumonia	9	4	1	4	2	3	14	7	27	4	28
Chronic Lower Respiratory Diseases	36	16	13	10	1	13	22	13	84	10	52
Peptic Ulcer						1			2	1	1
Chronic Liver Disease and Cirrhosis	1	3	3	1	1	2	6	2	13	5	9
Nephritis/Nephrotic Syn./Nephrosis	16	6	6		2	8	10	6	22	4	35
Pregnancy, Childbirth and Puerperium							1				
Certain Conditions Orig. in Perinatal Per.		1	1			1	3		4	1	2
Congenital Malformations, etc.	2			1			3	1	9		8
Sudden Infant Death Syndrome				1			1		3		
Symptoms, Signs and Lab. Findings	4	1	1			1	5		8	2	2
All Other Diseases	80	76	39	30	15	21	112	44	227	37	216
Motor Vehicle Accidents	7	7	3	4		2	14	3	10	3	8
All Accidents (except motor vehicle)	10	10	9	6	2	3	29	18	43	1	37
Intentional Self-Harm (Suicide)	11	4	7	3	2	3	9	3	18	1	15
Assault (Homicide)							3		6		2
All Other External Causes	1	1							14		2

Cause of Death

Table 23. Deaths by Underlying Cause of Death and County of Residence, Wisconsin 2009

	Lafayette	Langlade	Lincoln	Manitowoc	Marathon	Marinette	Marquette	Menominee	Milwaukee	Monroe	Oconto
Total Deaths, All Causes	133	228	290	772	1,019	450	161	47	7,856	401	347
Male	70	112	146	365	481	226	87	25	3,861	222	178
Female	63	116	144	407	538	224	74	22	3,995	179	169
Tuberculosis					1				5		
Human Immunodeficiency Virus			1		1				20		
Malignant Neoplasms	39	58	71	188	224	108	52	12	1,758	84	81
Stomach	1		3	1	10	2	1		27	2	1
Colon, Rectum, Anus	1	6	11	15	21	5	4		143	7	7
Pancreas	5	7	8	13	15	9	2		122	7	6
Trachea, Bronchus and Lung	6	15	10	54	56	30	12	5	508	28	22
Breast	4	3	5	13	20	7	6	2	114	3	8
Cervix Uteri, Corpus Uteri, Ovary	1	2	1	10	5	3	3	1	86	1	5
Prostate	2	5	3	10	13	5	2		82	8	7
Urinary Tract	3	2	7	11	11	4	2	1	89	6	2
Non-Hodgkin's Lymphoma	3	5	1	8	9	6	3		60	2	3
Leukemia	1	2	4	9	12	5	1	1	71	4	2
Other Malignant Neoplasms	12	11	18	44	52	32	16	2	456	16	18
Diabetes Mellitus	3	2	6	8	36	4	4		162	9	5
Alzheimer's Disease	9	8	19	12	47	14	3		227	15	10
Major Cardiovascular Diseases	40	83	91	247	325	175	41	8	2,453	150	124
Diseases of the Heart	31	67	63	172	239	134	26	7	1,919	111	103
Hyp. Heart Dis. w/wo Renal Dis.		5	2	1	19		3		213	3	1
Ischemic Heart Disease	21	47	37	119	121	109	13	6	1,219	77	70
Other Diseases of the Heart	10	15	24	52	99	25	10	1	487	31	32
Hypertension/Hypertens. Renal Dis.	1		1	4	16	5	1		97	4	
Cerebrovascular Diseases	4	12	22	53	56	28	14	1	362	28	20
Atherosclerosis	2		1	6		1			19	1	1
Other Diseases of Circulatory System	2	4	4	12	14	7			56	6	
Influenza and Pneumonia	2	3	7	13	13	8	1	3	133	6	8
Chronic Lower Respiratory Diseases	5	17	12	34	61	34	10	7	371	22	12
Peptic Ulcer			2		1	1	1		12		
Chronic Liver Disease and Cirrhosis		2	3	5	13	4		3	104	1	5
Nephritis/Nephrotic Syn./Nephrosis		4	6	22	27	13	7		171	9	4
Pregnancy, Childbirth and Puerperium									3		
Certain Conditions Orig. in Perinatal Per.				2	2			2	72	2	
Congenital Malformations, etc.		1	1	3	2		1		52	2	1
Sudden Infant Death Syndrome				1					10		
Symptoms, Signs and Lab. Findings		1		5	3		2		34	1	
All Other Diseases	18	35	49	174	197	62	23	8	1,575	70	57
Motor Vehicle Accidents	5	2	7	6	15	8	4	1	66	6	11
All Accidents (except motor vehicle)	7	9	9	40	29	13	9	3	426	12	15
Intentional Self-Harm (Suicide)	5	3	6	9	19	6	1		100	10	11
Assault (Homicide)				1	3		2		83	1	3
All Other External Causes				2					19	1	

Cause of Death

Table 23. Deaths by Underlying Cause of Death and County of Residence, Wisconsin 2009

	Oneida	Outagamie	Ozaukee	Pepin	Pierce	Polk	Portage	Price	Racine	Richland	Rock
Total Deaths, All Causes	429	1,143	688	81	242	409	448	159	1,517	177	1,311
Male	222	546	332	38	126	200	212	85	764	86	673
Female	207	597	356	43	116	209	236	74	753	91	638
Tuberculosis		1									
Human Immunodeficiency Virus		2	2						3		2
Malignant Neoplasms	111	249	146	16	60	107	117	33	368	49	315
Stomach		1	1		1	2	3		5		6
Colon, Rectum, Anus	13	24	11	1	6	12	11		30	5	35
Pancreas	11	20	9	2	4	3	10	1	17	1	22
Trachea, Bronchus and Lung	36	63	35	4	14	25	26	8	110	15	85
Breast	2	18	15		8	7	5	1	34	2	20
Cervix Uteri, Corpus Uteri, Ovary	5	12	7	2	5	5	11	1	15	1	9
Prostate	7	14	7	1	7	8	4	3	14	3	14
Urinary Tract	4	15	8			11	6	2	17	5	18
Non-Hodgkin's Lymphoma	7	8	7		3	1	4	2	13	2	13
Leukemia	4	12	8	1	1	2	6		13	4	12
Other Malignant Neoplasms	22	62	38	5	11	31	31	15	100	11	81
Diabetes Mellitus	3	25	15	6	10	9	10	4	43	4	29
Alzheimer's Disease	15	47	43	3	7	9	14	6	60	3	42
Major Cardiovascular Diseases	157	335	246	29	72	122	121	47	461	63	404
Diseases of the Heart	120	232	180	24	52	88	99	35	352	41	307
Hyp. Heart Dis. w/wo Renal Dis.	1	7	22	1		2	1		12	1	10
Ischemic Heart Disease	74	123	91	8	31	60	60	25	215	30	176
Other Diseases of the Heart	45	102	67	15	21	26	38	10	125	10	121
Hypertension/Hypertens. Renal Dis.	4	7	5	1	2	2	2	1	15	2	16
Cerebrovascular Diseases	28	81	47	3	13	21	17	8	76	16	66
Atherosclerosis		1	9			2			6	1	1
Other Diseases of Circulatory Sys.	5	14	5	1	5	9	3	3	12	3	14
Influenza and Pneumonia	4	29	8	1	5	10	11	9	33	10	27
Chronic Lower Respiratory Diseases	21	52	37	6	9	26	22	6	94	12	88
Peptic Ulcer		5	1						4		
Chronic Liver Disease and Cirrhosis	5	20	8		4	7	4	2	26	2	10
Nephritis/Nephrotic Syn./Nephrosis	7	24	10	2	6	6	9	2	28	2	26
Pregnancy, Childbirth and Puerperium							1		1		1
Certain Conditions Orig. in Perinatal Per.		9	1	1	1	2			14	1	5
Congenital Malformations, etc.	2	3	4			1			5	1	4
Sudden Infant Death Syndrome		1	1			1					
Symptoms, Signs and Lab. Findings	4	3				2		2	4	1	7
All Other Diseases	72	261	129	15	43	74	103	38	281	19	245
Motor Vehicle Accidents	4	17	7	1	6	11	3	4	11	1	17
All Accidents (except motor vehicle)	14	38	19	1	13	12	22	5	54	7	59
Intentional Self-Harm (Suicide)	8	20	10		6	10	6	1	21	1	22
Assault (Homicide)	1	2	1				4		6		5
All Other External Causes	1						1			1	3

Cause of Death

Table 23. Deaths by Underlying Cause of Death and County of Residence, Wisconsin 2009

	Rusk	St. Croix	Sauk	Sawyer	Shawano	Sheboygan	Taylor	Trempealeau	Vernon	Vilas	Walworth
Total Deaths, All Causes	159	519	552	189	375	1,021	191	262	294	282	844
Male	76	254	269	102	197	519	105	131	137	149	398
Female	83	265	283	87	178	502	86	131	157	133	446
Tuberculosis						1					1
Human Immunodeficiency Virus					1	2					
Malignant Neoplasms	39	123	137	61	92	238	45	57	73	66	208
Stomach		2	2	3		5		1	2	1	2
Colon, Rectum, Anus	4	8	11	6	8	23	4	5	7	3	15
Pancreas	3	12	7	4	3	18	3	7	5	11	15
Trachea, Bronchus and Lung	11	27	33	18	29	66	12	18	18	26	48
Breast	4	9	8	2	6	19	1	5	4	7	16
Cervix Uteri, Corpus Uteri, Ovary	2	6	9	3	3	9	5	2	2	2	12
Prostate	1	8	4	2	9	21	2	1	6	4	14
Urinary Tract	1	12	6	5	5	12	3	2	3	3	11
Non-Hodgkin's Lymphoma		4	7	1	1	5	2		2	1	11
Leukemia	1	4	8	2	2	13	1	2	4		6
Other Malignant Neoplasms	12	31	42	15	26	47	12	14	20	8	58
Diabetes Mellitus	5	12	10	1	17	26	8	6	4	5	19
Alzheimer's Disease	7	12	22	8	14	26	5	9	4	10	38
Major Cardiovascular Diseases	47	170	195	52	98	329	66	70	104	98	254
Diseases of the Heart	38	131	139	43	77	250	52	56	74	72	202
Hyp. Heart Dis. w/wo Renal Dis.	3	3	5		1	6		2	6	3	8
Ischemic Heart Disease	20	77	89	32	57	134	37	27	30	50	127
Other Diseases of the Heart	15	51	45	11	19	110	15	27	38	19	67
Hypertension/Hypertens. Renal Dis.	1	4	2	1	4	8	2		2	1	2
Cerebrovascular Diseases	7	28	49	7	13	59	9	11	22	20	41
Atherosclerosis		4			1	2	1	1			3
Other Diseases of Circulatory Sys.	1	3	5	1	3	10	2	2	6	5	6
Influenza and Pneumonia	8	14	15	6	9	24	2	5	10	3	10
Chronic Lower Respiratory Diseases	10	20	24	12	20	48	17	16	11	13	61
Peptic Ulcer					1	2					1
Chronic Liver Disease and Cirrhosis	1	5	1	3	3	12		2		3	12
Nephritis/Nephrotic Syn./Nephrosis	6	10	9	2	11	23	3	13	8	8	16
Pregnancy, Childbirth and Puerperium											
Certain Conditions Orig. in Perinatal Per.		2	3			5	2		2	1	
Congenital Malformations, etc.		5			2	6	1	3	2	1	5
Sudden Infant Death Syndrome											
Symptoms, Signs and Lab. Findings	4	2	1		2	2		2		1	3
All Other Diseases	24	112	88	23	84	201	33	55	55	54	146
Motor Vehicle Accidents	1	8	9	6	8	16		6	8	3	21
All Accidents (except motor vehicle)	2	18	24	9	6	37	6	13	8	11	35
Intentional Self-Harm (Suicide)	4	5	14	3	6	15	2	5	5	4	13
Assault (Homicide)		1		3	1	1	1				
All Other External Causes	1					7				1	1

Cause of Death

Table 23. Deaths by Underlying Cause of Death and County of Residence, Wisconsin 2009

	Washburn	Washington	Waukesha	Waupaca	Waushara	Winnebago	Wood
Total Deaths, All Causes	194	940	2,913	697	223	1,355	702
Male	118	431	1,428	409	126	690	331
Female	76	509	1,485	288	97	665	371
Tuberculosis			1				
Human Immunodeficiency Virus		1					
Malignant Neoplasms	58	242	707	151	53	326	162
Stomach	2	6	14	1	1	4	2
Colon, Rectum, Anus	3	19	53	9	5	30	16
Pancreas	2	17	58	6	4	16	11
Trachea, Bronchus and Lung	13	76	173	38	15	81	39
Breast	3	15	55	4	2	16	13
Cervix Uteri, Corpus Uteri, Ovary	4	12	35	8	6	16	7
Prostate	3	10	27	13		19	11
Urinary Tract	2	8	42	12	5	18	6
Non-Hodgkin's Lymphoma	1	7	34	9	1	12	8
Leukemia	3	12	39	11	1	15	7
Other Malignant Neoplasms	22	60	177	40	13	99	42
Diabetes Mellitus	9	24	70	17	3	45	20
Alzheimer's Disease	3	42	79	31	3	49	28
Major Cardiovascular Diseases	59	293	873	234	81	382	221
Diseases of the Heart	44	222	658	175	73	274	155
Hyp. Heart Dis. w/wo Renal Dis.	1	8	31	6	1	15	
Ischemic Heart Disease	30	128	416	109	52	146	99
Other Diseases of the Heart	13	86	211	60	20	113	56
Hypertension/Hypertens. Renal Dis.	2	15	33	2		17	7
Cerebrovascular Diseases	11	47	148	44	6	80	47
Atherosclerosis		1	7	6			4
Other Diseases of Circulatory System	2	8	27	7	2	11	8
Influenza and Pneumonia	7	15	73	21	2	43	10
Chronic Lower Respiratory Diseases	14	60	168	48	9	82	33
Peptic Ulcer		1	4	2		2	2
Chronic Liver Disease and Cirrhosis	3	10	32	4	2	16	9
Nephritis/Nephrotic Syn./Nephrosis	7	14	62	16	4	25	19
Pregnancy, Childbirth and Puerperium			1	1			
Certain Conditions Orig. in Perinatal Per.		4	6	1		10	3
Congenital Malformations, etc.		4	11	3		2	2
Sudden Infant Death Syndrome		1	2	1		1	
Symptoms, Signs and Lab. Findings		3	6		9	4	3
All Other Diseases	26	164	584	132	40	260	148
Motor Vehicle Accidents	2	12	28	8	4	13	5
All Accidents (except motor vehicle)	3	38	153	20	6	71	23
Intentional Self-Harm (Suicide)	3	7	44	4	7	20	14
Assault (Homicide)		2	6			2	
All Other External Causes		3	3	3		2	

Source: Office of Health Informatics, Division of Public Health, Department of Health Services. For the ICD-10 codes used for cause-of-death groupings, see Technical Notes, page 82. The total includes one record for which county of residence was unknown.

Cause of Death

Table 24. Deaths by Specific Underlying Cause, Wisconsin 2009

Underlying Cause of Death	Total	Male	Female
Total Deaths From All Causes	45,598	22,567	23,031
I. Certain Infectious and Parasitic Diseases (A00-B99)	887	446	441
Intestinal Infectious Diseases (A00-A09)	182	62	120
A04 Other Bacterial Intestinal Infections	113	40	73
A08 Viral and Other Specified Intestinal Infections	12	6	6
A09 Diarrhea and Gastroenteritis of Presumed Infectious Origin	57	16	41
Tuberculosis (A15-A19)	10	5	5
A16 Respiratory Tuberculosis, Not Confirmed Bacteriologically or Histologically	5	2	3
A18 Tuberculosis of Other Organs	3	2	1
A19 Miliary Tuberculosis	2	1	1
Other Bacterial Diseases (A30-A49)	508	257	251
A31 Infection Due to Other Mycobacteria	6	3	3
A32 Listeriosis	1	1	
A39 Meningococcal Infection	1	1	
A40 Streptococcal Septicemia	18	8	10
A41 Other Septicemia	467	235	232
A48 Other Bacterial Diseases, Not Elsewhere Classified	1	1	
A49 Bacterial Infection of Unspecified Site	14	8	6
Viral Infections of the Central Nervous System (A80-A89)	12	9	3
A81 Atypical Virus Infections of Central Nervous System	11	8	3
A86 Unspecified Viral Encephalitis	1	1	
Viral Infections Characterized by Skin/Mucous Membrane Lesions (B00-B09)	13	7	6
B00 Herpesviral (Herpes Simplex) Infections	6	4	2
B02 Zoster (Herpes Zoster)	7	3	4
Viral Hepatitis (B15-B19)	58	43	15
B16 Acute Hepatitis B	4	3	1
B18 Chronic Viral Hepatitis	54	40	14
Human Immunodeficiency Virus (HIV) Disease (B20-B24)	48	35	13
B20 HIV Disease Resulting in Infectious and Parasitic Diseases	18	15	3
B21 HIV Disease Resulting in Malignant Neoplasms	7	5	2
B22 HIV Disease Resulting in Other Specified Diseases	4	3	1
B23 HIV Disease Resulting in Other Conditions	9	6	3
B24 Unspecified HIV Disease	10	6	4
Other Viral Diseases (B25-B34)	11	5	6
B25 Cytomegaloviral Disease	6	2	4
B27 Cytomegaloviral Disease	1	1	
B33 Other Viral Diseases, Not Elsewhere Classified	1		1
B34 Viral Infection of Unspecified Site	3	2	1
Mycoses (B35-B49)	16	9	7
B37 Candidiasis	4	2	2
B40 Blastomycosis	3	1	2
B44 Aspergillosis	4	3	1

Cause of Death

Underlying Cause of Death	Total	Male	Female
B45 Cryptococcosis	3	3	
B49 Unspecified Mycosis	2		2
Protozoal Diseases (B50-B64)	2	1	1
B59 Pneumocystosis	2	1	1
Pediculosis, Acariasis and Other Infestations (B85-B89)	1	1	
B87 Myiasis	1	1	
Sequelae of Infectious and Parasitic Diseases (B90-B94)	22	10	12
B91 Sequelae of Poliomyelitis	4	1	3
B94 Sequelae of Other and Unspecified Infectious and Parasitic Diseases	18	9	9
Other Infectious Diseases (B99)	4	2	2
B99 Other and Unspecified Infectious Diseases	4	2	2
II. Neoplasms (C00-D48)	11,163	5,920	5,243
Malignant Neoplasms of Lip, Oral Cavity and Pharynx (C00-C14)	153	100	53
C01 Base of Tongue	2	2	
C02 Other and Unspecified Parts of Tongue	33	21	12
C03 Gum	1		1
C04 Floor of Mouth	6	4	2
C05 Palate	3	2	1
C06 Other and Unspecified Parts of Mouth	19	6	13
C07 Parotid Gland	15	8	7
C08 Other and Unspecified Major Salivary Glands	3		3
C09 Tonsil	13	11	2
C10 Oropharynx	15	12	3
C11 Nasopharynx	8	6	2
C12 Pyriform Sinus	3	3	
C13 Hypopharynx	6	5	1
C14 Other and Ill-Defined Sites in Lip, Oral Cavity and Pharynx	26	20	6
Malignant Neoplasms of Digestive Organs (C15-C26)	2,539	1,404	1,135
C15 Esophagus	293	236	57
C16 Stomach	160	96	64
C17 Small Intestine	23	9	14
C18 Colon	735	368	367
C19 Rectosigmoid Junction	50	25	25
C20 Rectum	116	62	54
C21 Anus and Anal Canal	16	5	11
C22 Liver and Intrahepatic Bile Ducts	328	209	119
C23 Gallbladder	39	9	30
C24 Other and Unspecified Parts of Biliary Tract	30	11	19
C25 Pancreas	721	361	360
C26 Other and Ill-Defined Digestive Organs	28	13	15
Malignant Neoplasms of Respiratory and Intrathoracic Organs (C30-C39)	2,954	1,679	1,275
C30 Nasal Cavity and Middle Ear	2	1	1
C31 Accessory Sinuses	8	6	2

Cause of Death

Underlying Cause of Death	Total	Male	Female
C32 Larynx	53	42	11
C33 Trachea	3	3	
C34 Bronchus and Lung	2,879	1,623	1,256
C37 Thymus	7	4	3
C38 Heart, Mediastinum and Pleura	2		2
Malignant Neoplasms of Bone and Articular Cartilage (C40-C41)	19	12	7
C40 Bone and Articular Cartilage of Limbs	2	1	1
C41 Bone and Articular Cartilage of Other and Unspecified Sites	17	11	6
Melanoma and Other Malignant Neoplasms of Skin (C43-C44)	216	149	67
C43 Malignant Melanoma of Skin	162	113	49
C44 Other Malignant Neoplasms of Skin	54	36	18
Malignant Neoplasms of Mesothelial and Soft Tissue (C45-C49)	200	122	78
C45 Mesothelioma	69	53	16
C47 Peripheral Nerves and Autonomic Nervous System	2	2	
C48 Retroperitoneum and Peritoneum	25	7	18
C49 Other Connective and Soft Tissue	104	60	44
Malignant Neoplasm of Breast (C50)	765	8	757
C50 Breast	765	8	757
Malignant Neoplasms of Female Genital Organs (C51-C58)	525		525
C51 Vulva	14		14
C52 Vagina	6		6
C53 Cervix Uteri	45		45
C54 Corpus Uteri	78		78
C55 Uterus, Part Unspecified	73		73
C56 Ovary	303		303
C57 Other and Unspecified Female Genital Organs	6		6
Malignant Neoplasms of Male Genital Organs (C60-C63)	594	594	
C60 Penis	3	3	
C61 Prostate	587	587	
C62 Testis	4	4	
Malignant Neoplasms of Urinary Tract (C64-C68)	589	415	174
C64 Kidney, Except Renal Pelvis	270	186	84
C65 Renal Pelvis	2	1	1
C66 Ureter	10	2	8
C67 Bladder	305	225	80
C68 Other and Unspecified Urinary Organs	2	1	1
Malignant Neoplasms of Eye/Brain/Oth. Parts/Central Nervous Sys. (C69-C72)	308	184	124
C69 Eye and Adnexa	2	1	1
C70 Meninges	4	3	1
C71 Brain	300	180	120
C72 Spinal Cord, Cranial Nerves and Other Parts of Central Nervous System	2		2
Malignant Neoplasms of Thyroid and Other Endocrine Glands (C73-C75)	42	15	27
C73 Thyroid Gland	28	9	19

Cause of Death

Underlying Cause of Death	Total	Male	Female
C74 Adrenal Gland	14	6	8
Malignant Neoplasms of Ill-Defined, Secondary and Unspecified Sites (C76-C80)	648	319	329
C76 Other and Ill-Defined Sites	39	17	22
C77 Secondary and Unspecified Malignant Neoplasm of Lymph Nodes	1	1	
C78 Secondary Malignant Neoplasm of Respiratory and Digestive Organs	40	16	24
C79 Secondary Malignant Neoplasm of Other Sites	97	60	37
C80 Malignant Neoplasm Without Specification of Site	471	225	246
Malignant Neoplasms of Lymphoid, Hematopoetic and Related Tissue (C81-C96)	1,209	696	513
C81 Hodgkins Disease	29	21	8
C82 Follicular (Nodular) Non-Hodgkins Lymphoma	14	5	9
C83 Diffuse Non-Hodgkins Lymphoma	69	44	25
C84 Peripheral and Cutaneous T-Cell Lymphomas	16	6	10
C85 Other and Unspecified Types of Non-Hodgkins Lymphoma	336	187	149
C88 Malignant Immunoproliferative Diseases	10	6	4
C90 Multiple Myeloma and Malignant Plasma Cell Neoplasms	242	141	101
C91 Lymphoid Leukemia	139	84	55
C92 Myeloid Leukemia	254	145	109
C93 Monocytic Leukemia	2	2	
C94 Other Leukemias of Specified Cell Type	1	1	
C95 Leukemia of Unspecified Cell Type	95	53	42
C96 Other/Unspecified Malignant Neoplasms Lymphoid, Hematopoetic and Related Tissue	2	1	1
Malignant Neoplasms of Independent (Primary) Multiple Sites (C97)	84	46	38
C97 Independent (Primary) Multiple Sites	84	46	38
In Situ Neoplasms (D00-D09)	1		1
D00 Carcinoma in Situ of Oral Cavity, Esophagus and Stomach	1		1
Benign Neoplasms (D10-D36)	22	14	8
D12 Colon, Rectum, Anus and Anal Canal	3	2	1
D13 Other and Ill-Defined Parts of Digestive System	1	1	
D21 Other Benign Neoplasms of Connective and Other Soft Tissue	1		1
D30 Urinary Organs	1	1	
D32 Meninges	14	8	6
D35 Other and Unspecified Endocrine Glands	2	2	
Neoplasms of Uncertain Or Unknown Behavior (D37-D48)	295	163	132
D37 Oral Cavity and Digestive Organs	18	8	10
D38 Middle Ear and Respiratory and Intrathoracic Organs	10	4	6
D39 Female Genital Organs	1		1
D42 Meninges	1		1
D43 Brain and Central Nervous System	58	33	25
D44 Endocrine Glands	2		2
D45 Polycythemia Vera	13	8	5
D46 Myelodysplastic Syndromes	148	85	63

Cause of Death

Underlying Cause of Death	Total	Male	Female
D47 Other Neoplasms Uncertain or Unknown Behavior of Lymphoid, Hematopoietic and Related Tissue	29	17	12
D48 Other and Unspecified Sites	15	8	7
III. Diseases of Blood and Blood-Forming Organs and Certain Disorders Involving the Immune Mechanisms (D50-D89)	149	67	82
Nutritional Anemias (D50-D53)	2	1	1
D50 Iron Deficiency Anemia	1		1
D51 Vitamin B12 Deficiency Anemia	1	1	
Hemolytic Anemias (D55-D59)	9	5	4
D57 Sickle-Cell Disorders	4	2	2
D58 Other Hereditary Hemolytic Anemias	2	1	1
D59 Acquired Hemolytic Anemia	3	2	1
Aplastic and Other Anemias (D60-D64)	62	25	37
D61 Other Aplastic Anemias	14	6	8
D62 Acute Posthemorrhagic Anemia	1		1
D64 Other Anemias	47	19	28
Coagulation Defects, Purpura and Other Hemorrhagic Conditions (D65-D69)	43	21	22
D65 Disseminated Intravascular Coagulation (Defibrination Syndrome)	7	3	4
D68 Other Coagulation Defects	23	12	11
D69 Purpura and Other Hemorrhagic Conditions	13	6	7
Other Diseases of Blood and Blood-Forming Organs (D70-D77)	14	8	6
D70 Agranulocytosis	5	3	2
D73 Diseases of Spleen	3	2	1
D75 Other Diseases of Blood and Blood-Forming Organs	4	2	2
D76 Certain Diseases Involving Lymphoreticular Tissue/Reticulohistiocytic System	2	1	1
Certain Disorders Involving the Immune Mechanism (D80-D89)	19	7	12
D86 Sarcoidosis	16	5	11
D89 Other Disorders Involving Immune Mechanism, Not Elsewhere Classified	3	2	1
IV. Endocrine, Nutritional and Metabolic Disease (E00-E90)	1,656	840	816
Disorder of Thyroid Gland (E00-E07)	40	9	31
E00 Congenital Iodine-Deficiency Syndrome	1		1
E03 Other Hypothyroidism	30	6	24
E04 Other Non-toxic Goiter	1		1
E05 Thyrotoxicosis (Hyperthyroidism)	7	2	5
E06 Thyroiditis	1	1	
Diabetes Mellitus (E10-E14)	1,107	581	526
E10 Insulin-Dependent Diabetes Mellitus	89	48	41
E11 Non-Insulin-Dependent Diabetes Mellitus	296	147	149
E14 Unspecified Diabetes Mellitus	722	386	336
Other Disorders of Glucose Regulation/Pancreatic Internal Secretion (E15-E16)	3	3	
E16 Other Disorders of Pancreatic Internal Secretion	3	3	
Disorders of Other Endocrine Glands (E20-E35)	14	4	10
E21 Hyperparathyroidism and Other Disorders of Parathyroid Gland	3		3

Cause of Death

Underlying Cause of Death	Total	Male	Female
E22 Hypertension of Pituitary Gland	1	1	
E23 Hypofunction and Other Disorders of Pituitary Gland	2	1	1
E25 Adrenogenital Disorders	1	1	
E27 Other Disorders of Adrenal Gland	7	1	6
Malnutrition (E40-E46)	34	9	25
E43 Unspecified Severe Protein-Energy Malnutrition	6	3	3
E45 Retarded Development Following Protein-Energy Malnutrition	1		1
E46 Unspecified Protein-Energy Malnutrition	27	6	21
Other Nutritional Deficiencies (E50-E64)	9	4	5
E51 Thiamine Deficiency	1		1
E53 Deficiency of Other B Group Vitamins	1	1	
E63 Other Nutritional Deficiencies	7	3	4
Obesity and Other Hyperalimentation (E65-E68)	100	50	50
E66 Obesity	100	50	50
Metabolic Disorders (E70-E90)	349	180	169
E72 Other Disorders of Amino-Acid Metabolism	1	1	
E74 Other Disorders of Carbohydrate Metabolism	1		1
E75 Disorders of Sphingolipid Metabolism and Other Lipid Storage Disorders	8	5	3
E76 Disorders of Glycosaminoglycan Metabolism	2	2	
E78 Disorders of Lipoprotein Metabolism and Other Lipidemias	149	93	56
E79 Disorders of Purine and Pyrimidine Metabolism	1	1	
E80 Disorders of Porphyrin and Bilirubin Metabolism	1		1
E83 Disorders of Mineral Metabolism	8	4	4
E84 Cystic Fibrosis	7	3	4
E85 Amyloidosis	23	12	11
E86 Volume Depletion	69	17	52
E87 Other Disorders of Fluid, Electrolyte and Acid-Base Balance	59	31	28
E88 Other Metabolic Disorders	20	11	9
V. Mental and Behavioral Disorders (F00-F99)	2,840	945	1,895
Organic, Including Symptomatic, Mental Disorders (F00-F09)	2,649	814	1,835
F01 Vascular Dementia	199	72	127
F03 Unspecified Dementia	2,403	727	1,676
F05 Delirium, Not Induced By Alcohol/Other Psychoactive Substances	16	7	9
F06 Other Mental Disorders Due To Brain Damage and Dysfunction and Physical Disease	31	8	23
Mental and Behavior Disorders Due to Psychoactive Substance Abuse (F10-F19)	159	115	44
F10 Use of Alcohol	148	105	43
F11 Use of Opioids	4	4	
F14 Use of Cocaine	1	1	
F17 Use of Tobacco	2	2	
F19 Multiple Drug Use and Use of Other Psychoactive Substances	4	3	1
Schizophrenia, Schizotypal and Delusional Disorders (F20-F29)	8	5	3
F20 Schizophrenia	7	4	3
F22 Persistent Delusional Disorders	1	1	

Cause of Death

Underlying Cause of Death	Total	Male	Female
Mood (Affective) Disorders (F30-F39)	13	5	8
F31 Bipolar Affective Disorder	2		2
F32 Depressive Episodes	11	5	6
Neurotic, Stress-Related and Somatoform Disorders (F40-F48)	1		1
F41 Other Anxiety Disorders	1		1
Behavior Syndromes Associated With Physiological Disturbances/Physical Factors (F50-F59)	3	1	2
F50 Eating Disorders	1		1
F54 Psychological and Behavioral Factors Assoc. with Disorders/Diseases Class. Elsewhere	2	1	1
Mental Retardation (F70-F79)	7	5	2
F72 Severe Mental Retardation	3	2	1
F73 Profound Mental Retardation	1	1	
F79 Unspecified Mental Retardation	3	2	1
VI. Diseases of the Nervous System (G00-G99)	2,770	1,079	1,691
Inflammatory Diseases of the Central Nervous System (G00-G09)	27	15	12
G00 Bacterial Meningitis, Not Elsewhere Classified	6	3	3
G03 Meningitis Due to Other and Unspecified Causes	8	6	2
G04 Encephalitis, Myelitis and Encephalomyelitis	6	2	4
G06 Intracranial and Intraspinous Abscess and Granuloma	7	4	3
Systemic Atrophies Primarily Affecting Central Nervous System (G10-G13)	194	97	97
G10 Huntingtons Disease	16	10	6
G11 Hereditary Ataxia	6	5	1
G12 Spinal Muscular Atrophy and Related Syndromes	172	82	90
Extrapyramidal and Movement Disorders (G20-G26)	463	256	207
G20 Parkinsons Disease	450	253	197
G21 Secondary Parkinsonism	6	1	5
G23 Other Degenerative Diseases of the Basal Ganglia	7	2	5
Other Degenerative Diseases of the Nervous System (G30-G32)	1,702	535	1,167
G30 Alzheimers Disease	1,610	486	1,124
G31 Other Degenerative Diseases of Nervous System, Not Elsewhere Classified	92	49	43
Demyelinating Diseases of the Central Nervous System (G35-G37)	99	30	69
G35 Multiple Sclerosis	98	29	69
G37 Other Demyelinating Diseases of Central Nervous System	1	1	
Episodic and Paroxysmal Disorders (G40-G47)	42	23	19
G40 Epilepsy	15	8	7
G41 Status Epilepticus	7	4	3
G45 Transient Cerebral Ischemic Attacks and Related Syndromes	2	1	1
G47 Sleep Disorders	18	10	8
Nerve, Nerve Root and Plexus Disorders (G50-G59)	1	1	
G58 Other Mononeuropathies	1	1	
Polyneuropathies and Other Disorders of Peripheral Nervous System (G60-G64)	17	10	7
G60 Hereditary and Idiopathic Neuropathy	2		2

Cause of Death

Underlying Cause of Death	Total	Male	Female
G61 Inflammatory Polyneuropathy	3	2	1
G62 Other Polyneuropathies	12	8	4
Diseases of Myoneural Junction and Muscle (G70-G73)	45	22	23
G70 Myasthenia Gravis and Other Myoneural Disorders	15	7	8
G71 Primary Disorders of Muscles	28	15	13
G72 Other Myopathies	2		2
Cerebral Palsy and Other Paralytic Syndromes (G80-G83)	40	27	13
G80 Infantile Cerebral Palsy	27	18	9
G81 Hemiplegia	1	1	
G82 Paraplegia and Tetraplegia	11	8	3
G83 Other Paralytic Syndromes	1		1
Other Disorders of the Nervous System (G90-G99)	140	63	77
G90 Disorders of Autonomic Nervous System	5	1	4
G91 Hydrocephalus	11	5	6
G93 Other Disorders of Brain	116	53	63
G95 Other Diseases of Spinal Cord	8	4	4
VII. Diseases of the Eye and Adnexa (H00-H59)	1	1	
Visual Disturbances and Blindness (H53-H54)	1	1	
H54 Blindness and Low Vision	1	1	
IX. Diseases of the Circulatory System (I00-I99)	14,335	7,036	7,299
Acute Rheumatic Fever (I00-I02)	2	1	1
I00 Rheumatic Fever Without Mention of Heart Involvement	1		1
I01 Rheumatic Fever With Heart Involvement	1	1	
Chronic Rheumatic Heart Diseases (I05-I09)	84	23	61
I05 Rheumatic Mitral Valve Diseases	32	7	25
I06 Rheumatic Aortic Valve Diseases	4	2	2
I07 Rheumatic Tricuspid Valve Diseases	10	2	8
I08 Multiple Valve Diseases	33	12	21
I09 Other Rheumatic Heart Diseases	5		5
Hypertensive Diseases (I10-I15)	947	372	575
I10 Essential (Primary) Hypertension	246	90	156
I11 Hypertensive Heart Disease	491	193	298
I12 Hypertensive Renal Disease	173	77	96
I13 Hypertensive Heart and Renal Disease	37	12	25
Ischemic Heart Diseases (I20-I25)	6,622	3,781	2,841
I20 Angina Pectoris	2		2
I21 Acute Myocardial Infarction	2,576	1,543	1,033
I24 Other Acute Ischemic Heart Diseases	44	19	25
I25 Chronic Ischemic Heart Disease	4,000	2,219	1,781
Pulmonary Heart Disease and Diseases of Pulmonary Circulation (I26-I28)	273	100	173
I26 Pulmonary Embolism	141	55	86
I27 Other Pulmonary Heart Diseases	132	45	87
Other Forms of Heart Disease (I30-I52)	3,285	1,432	1,853
I30 Acute Pericarditis	2	1	1

Cause of Death

Underlying Cause of Death	Total	Male	Female
I31 Other Diseases of Pericardium	7	3	4
I33 Acute and Subacute Endocarditis	24	14	10
I34 Nonrheumatic Mitral Valve Disorders	58	19	39
I35 Nonrheumatic Aortic Valve Disorders	404	152	252
I36 Nonrheumatic Tricuspid Valve Disorders	1		1
I38 Endocarditis, Valve Unspecified	141	44	97
I40 Acute Myocarditis	9	4	5
I42 Cardiomyopathy	471	292	179
I44 Atrioventricular and Left-Bundle-Branch Block	9	2	7
I45 Other Conduction Disorders	7	1	6
I46 Cardiac Arrest	30	16	14
I47 Paroxysmal Tachycardia	10	6	4
I48 Atrial Fibrillation and Flutter	359	110	249
I49 Other Cardiac Arrhythmias	298	149	149
I50 Heart Failure	1,304	546	758
I51 Complications and Ill-Defined Descriptions of Heart Disease	151	73	78
Cerebrovascular Diseases (I60-I69)	2,499	1,019	1,480
I60 Subarachnoid Hemorrhage	89	39	50
I61 Intracerebral Hemorrhage	293	127	166
I62 Other Nontraumatic Intracranial Hemorrhage	136	70	66
I63 Cerebral Infarction	118	50	68
I64 Stroke, Not Specified as Hemorrhage or Infarction	1,376	524	852
I67 Other Cerebrovascular Diseases	104	42	62
I69 Sequelae of Cerebrovascular Disease	383	167	216
Diseases of Arteries, Arterioles and Capillaries (I70-I79)	555	274	281
I70 Atherosclerosis	107	42	65
I71 Aortic Aneurysm and Dissection	258	147	111
I72 Other Aneurysm	15	9	6
I73 Other Peripheral Vascular Diseases	145	63	82
I74 Arterial Embolism and Thrombosis	8	2	6
I77 Other Disorders of Arteries and Arterioles	19	10	9
I78 Diseases of Capillaries	3	1	2
Dis. of Veins, Lymphatic Vessels & Lymph Nodes, Not Elsewhere Class. (I80-I89)	60	30	30
I80 Phlebitis and Thrombophlebitis	38	17	21
I81 Portal Vein Thrombosis	2	1	1
I82 Other Venous Embolism and Thrombosis	5	2	3
I83 Varicose Veins of Lower Extremities	4	1	3
I85 Esophageal Varices	6	5	1
I87 Other Disorders of Veins	4	3	1
I89 Other Noninfective Disorders of Lymphatic Vessels and Lymph Nodes	1	1	
Other and Unspecified Disorders of Circulatory System (I95-I99)	8	4	4
I95 Hypotension	3		3
I99 Other and Unspecified Disorders of Circulatory System	5	4	1

Cause of Death

Underlying Cause of Death	Total	Male	Female
X. Diseases of the Respiratory System (J00-J99)	4,516	2,233	2,283
Acute Upper Respiratory Infections (J00-J06)	8	4	4
J02 Acute Pharyngitis	1	1	
J04 Acute Laryngitis and Tracheitis	1	1	
J05 Acute Obstructive Laryngitis (Croup) and Epiglottitis	1	1	
J06 Acute Upper Respiratory Infections of Multiple or Unspecified Sites	5	1	4
Influenza and Pneumonia (J09-J18)	977	433	544
J09 Influenza Due to Identified Avian Influenza Virus	28	5	23
J10 Influenza Due to Identified Influenza Virus	4	1	3
J11 Influenza, Virus Not Identified	12	3	9
J12 Viral Pneumonia, Not Elsewhere Classified	4	2	2
J13 Pneumonia Due to Streptococcus Pneumonia	4	2	2
J14 Pneumonia Due to Hemophilus Influenza	1		1
J15 Bacterial Pneumonia, Not Elsewhere Classified	15	7	8
J18 Pneumonia, Organism Unspecified	909	413	496
Other Acute Lower Respiratory Infections (J20-J22)	6	2	4
J20 Acute Bronchitis	5	1	4
J22 Unspecified Acute Lower Respiratory Infection	1	1	
Other Diseases of Upper Respiratory Tract (J30-J39)	5	4	1
J38 Diseases of Vocal Cords and Larynx, Not Elsewhere Classified	2	2	
J39 Other Diseases of Upper Respiratory Tract	3	2	1
Chronic Lower Respiratory Diseases (J40-J47)	2,458	1,196	1,262
J40 Bronchitis, Not Specified as Acute or Chronic	4	2	2
J42 Unspecified Chronic Bronchitis	4		4
J43 Emphysema	200	111	89
J44 Other Chronic Obstructive Pulmonary Disease	2,188	1,061	1,127
J45 Asthma	44	16	28
J46 Status Asthmaticus	2	1	1
J47 Bronchiectasis	16	5	11
Lung Diseases Due to External Agents (J60-J70)	345	189	156
J61 Pneumoconiosis Due to Asbestos and Other Mineral Fibers	12	12	
J62 Pneumoconiosis Due to Dust Containing Silica	1	1	
J67 Hypersensitivity Pneumonitis Due to Organic Dust	1	1	
J69 Pneumonitis Due to Solids and Liquids	331	175	156
Other Respiratory Diseases Principally Affecting the Interstitium (J80-J84)	410	221	189
J80 Adult Respiratory Distress Syndrome	31	14	17
J81 Pulmonary Edema	17	6	11
J82 Pulmonary Eosinophilia, Not Elsewhere Classified	3		3
J84 Other Interstitial Pulmonary Diseases	359	201	158
Suppurative and Necrotic Conditions of Lower Respiratory Tract (J85-J86)	11	7	4
J85 Abscess of Lung and Mediastinum	6	4	2
J86 Pyothorax	5	3	2

Cause of Death

Underlying Cause of Death	Total	Male	Female
Other Diseases of Pleura (J90-J94)	22	15	7
J90 Pleural Effusion, Not Elsewhere Classified	16	11	5
J93 Pneumothorax	4	3	1
J94 Other Pleural Conditions	2	1	1
Other Diseases of the Respiratory System (J95-J99)	89	39	50
J96 Respiratory Failure, Not Elsewhere Classified	19	9	10
J98 Other Respiratory Disorders	70	30	40
XI. Diseases of the Digestive System (K00-K93)	1,732	875	857
Diseases of Oral Cavity, Salivary Glands and Jaws (K00-K14)	1		1
K11 Diseases of Salivary Glands	1		1
Diseases of Esophagus, Stomach and Duodenum (K20-K31)	114	62	52
K20 Esophagitis	5	3	2
K21 Gastro-Esophageal Reflux Disease	9	2	7
K22 Other Diseases of Esophagus	25	14	11
K25 Gastric Ulcer	17	11	6
K26 Duodenal Ulcer	30	18	12
K27 Peptic Ulcer, Site Unspecified	13	8	5
K29 Gastritis and Duodenitis	6	1	5
K31 Other Diseases of Stomach and Duodenum	9	5	4
Diseases of Appendix (K35-K38)	5	3	2
K35 Acute Appendicitis	3	1	2
K37 Unspecified Appendicitis	2	2	
Hernia (K40-K46)	45	18	27
K40 Inguinal Hernia	6	2	4
K41 Femoral Hernia	1		1
K42 Umbilical Hernia	1	1	
K43 Ventral Hernia	10	5	5
K44 Diaphragmatic Hernia	13	2	11
K46 Unspecified Hernia of Abdominal Cavity	14	8	6
Noninfective Enteritis and Colitis (K50-K52)	19	10	9
K50 Crohns Disease (Regional Enteritis)	11	7	4
K51 Ulcerative Colitis	3	2	1
K52 Other Noninfective Gastroenteritis and Colitis	5	1	4
Other Diseases of Intestines (K55-K63)	468	194	274
K55 Vascular Disorders of Intestine	192	74	118
K56 Paralytic Ileus and Intestinal Obstruction Without Hernia	150	63	87
K57 Diverticular Disease of Intestine	63	24	39
K59 Other Functional Intestinal Disorders	8	5	3
K61 Abscess of Anal and Rectal Regions	3	3	
K62 Other Diseases of Anus and Rectum	6	3	3
K63 Other Diseases of Intestine	46	22	24
Diseases of Peritoneum (K65-K67)	30	8	22
K65 Peritonitis	24	6	18

Cause of Death

Underlying Cause of Death	Total	Male	Female
K66 Other Disorders of Peritoneum	6	2	4
Diseases of Liver (K70-K77)	672	401	271
K70 Alcoholic Liver Disease	265	178	87
K72 Hepatic Failure, Not Elsewhere Classified	86	50	36
K74 Fibrosis and Cirrhosis of Liver	232	125	107
K75 Other Inflammatory Liver Diseases	18	4	14
K76 Other Diseases of Liver	71	44	27
Disorders of Gallbladder, Biliary Tract and Pancreas (K80-K87)	193	94	99
K80 Cholelithiasis	21	8	13
K81 Cholecystitis	52	24	28
K82 Other Diseases of Gallbladder	5	2	3
K83 Other Diseases of Biliary Tract	28	12	16
K85 Acute Pancreatitis	67	35	32
K86 Other Diseases of Pancreas	20	13	7
Other Diseases of the Digestive System (K90-K93)	185	85	100
K90 Intestinal Malabsorption	6	3	3
K92 Other Diseases of Digestive System	179	82	97
XII. Diseases of the Skin and Subcutaneous Tissue (L00-L99)	82	29	53
Infections of the Skin and Subcutaneous Tissue (L00-L08)	43	17	26
L02 Cutaneous Abscess, Furuncle and Carbuncle	2	1	1
L03 Cellulitis	33	13	20
L08 Other Local Infections of Skin and Subcutaneous Tissue	8	3	5
Bullous Disorders (L10-L14)	5		5
L10 Pemphigus	3		3
L12 Pemphigoid	2		2
Urticaria and Erythema (L50-L54)	1		1
L53 Other Erythematous Conditions	1		1
Other Disorders of the Skin and Subcutaneous Tissue (L80-L99)	33	12	21
L89 Decubitus Ulcer	15	5	10
L93 Lupus Erythematosus	3	1	2
L97 Ulcer of Lower Limb, Not Elsewhere Classified	4		4
L98 Other Disorders of Skin and Subcutaneous Tissue, Not Elsewhere Classified	11	6	5
XIII. Diseases of the Musculoskeletal System and Connective Tissue (M00-M99)	301	100	201
Infectious Arthropathies (M00-M03)	8	3	5
M00 Pyogenic Arthritis	8	3	5
Inflammatory Polyarthropathies (M05-M14)	53	13	40
M05 Seropositive Rheumatoid Arthritis	9	1	8
M06 Other Rheumatoid Arthritis	38	11	27
M08 Juvenile Arthritis	1		1
M10 Gout	2	1	1
M13 Other Arthritis	3		3

Cause of Death

Underlying Cause of Death	Total	Male	Female
Arthrosis (M15-M19)	20	5	15
M15 Polyarthrosis	1		1
M16 Coxarthrosis (Arthrosis of Hip)	1		1
M17 Gonarthrosis (Arthrosis of Knee)	3	2	1
M19 Other Arthrosis	15	3	12
Systemic Connective Tissue Disorders (M30-M36)	77	26	51
M30 Polyarteritis Nodosa and Related Conditions	1	1	
M31 Other Necrotizing Vasculopathies	16	9	7
M32 Systemic Lupus Erythematosus	20	7	13
M33 Dermatopolymyositis	5	1	4
M34 Systemic Sclerosis	27	6	21
M35 Other Systemic Involvement of Connective Tissue	8	2	6
Deforming Dorsopathies (M40-M43)	6	1	5
M40 Kyphosis and Lordosis	1		1
M41 Scoliosis	5	1	4
Spondylopathies (M45-M49)	17	6	11
M46 Other Inflammatory Spondylopathies	8	3	5
M48 Other Spondylopathies	9	3	6
Other Dorsopathies (M50-M54)	4	3	1
M51 Other Intervertebral Disc Disorders	1	1	
M54 Dorsalgia	3	2	1
Disorders of Muscles (M60-M63)	13	9	4
M60 Myositis	1		1
M62 Other Disorders of Muscle	12	9	3
Other Soft Tissue Disorders (M70-M79)	7	2	5
M72 Fibroblastic Disorders	5	1	4
M79 Other Soft Tissue Disorders, Not Elsewhere Classified	2	1	1
Disorders of Bone Density and Structure (M80-M85)	59	9	50
M80 Osteoporosis With Pathological Fracture	26	3	23
M81 Osteoporosis Without Pathological Fracture	22	3	19
M84 Disorders of Continuity of Bone	11	3	8
Other Osteopathies (M86-M90)	37	23	14
M86 Osteomyelitis	35	23	12
M87 Osteonecrosis	1		1
M88 Pagets Disease of Bone (Osteitis Deformans)	1		1
XIV. Diseases of the Genitourinary System (N00-N99)	1,274	574	700
Glomerular Diseases (N00-N08)	134	63	71
N02 Recurrent and Persistent Hematuria	2	2	
N03 Chronic Nephritic Syndrome	123	58	65
N04 Nephrotic Syndrome	2		2
N05 Unspecified Nephritic Syndrome	7	3	4

Cause of Death

Underlying Cause of Death	Total	Male	Female
Renal Tubulo-Interstitial Diseases (N10-N16)	17	8	9
N10 Acute Tubulo-Interstitial Nephritis	4	1	3
N11 Chronic Tubulo-Interstitial Nephritis	1		1
N12 Tubulo-Interstitial Nephritis, Not Specified As Acute Or Chronic	8	5	3
N13 Obstructive and Reflux Uropathy	3	2	1
N15 Other Renal Tubulo-Interstitial Diseases	1		1
Renal Failure (N17-N19)	855	406	449
N17 Acute Renal Failure	179	70	109
N18 Chronic Renal Failure	357	194	163
N19 Unspecified Renal Failure	319	142	177
Urolithiasis (N20-N23)	7	3	4
N20 Calculus of Kidney and Ureter	7	3	4
Other Disorders of Kidney and Ureter (N25-N29)	14	7	7
N25 Disorders Resulting from Impaired Renal Tubular Function	1	1	
N26 Unspecified Contracted Kidney	1		1
N28 Other Disorders of Kidney and Ureter, Not Elsewhere Classified	12	6	6
Other Diseases of Urinary System (N30-N39)	216	65	151
N30 Cystitis	1		1
N31 Neuromuscular Dysfunction of Bladder, Not Elsewhere Classified	5	3	2
N32 Other Disorders of Bladder	5	3	2
N39 Other Disorders of Urinary Tract	205	59	146
Diseases of Male Genital Organs (N40-N51)	22	22	
N40 Hyperplasia of Prostate	15	15	
N42 Other Disorders of Prostate	1	1	
N48 Other Disorders of Penis	1	1	
N49 Inflammatory Disorders of Male Genital Organs, Not Elsewhere Classified	5	5	
Inflammatory Diseases of Female Pelvic Organs (N70-N77)	5		5
N70 Salpingitis and Oophoritis	2		2
N73 Other Female Pelvic Inflammatory Diseases	2		2
N76 Other Inflammation of Vagina and Vulva	1		1
Noninflammatory Disorders of Female Genital Tract (N80-N98)	4		4
N82 Fistulae Involving Female Genital Tract	2		2
N83 Noninflammatory Disorders of Ovary/Fallopian Tube/Broad Ligament	1		1
N93 Other Abnormal Uterine and Vaginal Bleeding	1		1
XV. Pregnancy, Childbirth and the Puerperium (O00-O99)	13		13
Pregnancy With Abortive Outcome (O00-O08)	1		1
O05 Other Abortion	1		1
Edema, Proteinuria and Hypertensive Disorders In Pregnancy, Birth and Puerperium (O10-O16)	1		1
O14 Gestational (Pregnancy-Induced) Hypertension With Significant Proteinuria	1		1
Other Maternal Disorders Predominantly Related to Pregnancy (O20-O29)	4		4
O26 Maternal Care for Other Conditions Predominantly Related to Pregnancy	4		4

Cause of Death

Underlying Cause of Death	Total	Male	Female
Complications Predominantly Related to the Puerperium (O85-O92)	2		2
O85 Puerperal Sepsis	2		2
Other Obstetric Conditions, Not Elsewhere Classified (O95-O99)	5		5
O96 Death from Any Obstetric Cause Occurring More Than 42 Days but Less Than One Year After Delivery	3		3
O99 Other Maternal Diseases Classifiable Elsewhere but Complicating Pregnancy, Childbirth and the Puerperium	2		2
XVI. Certain Conditions Originating in the Perinatal Period (P00-P96)	217	133	84
Fetus and Newborn Affected By Maternal Factors & Complications of Pregnancy, Labor & Delivery (P00-P04)	32	22	10
P00 Fetus and Newborn Affected by Maternal Conditions Unrelated to Present Pregnancy	1	1	
P01 Fetus and Newborn Affected By Maternal Complications of Pregnancy	12	8	4
P02 Fetus and Newborn Affected By Complications of Placenta, Cord and Membrane	18	13	5
P03 Fetus and Newborn Affected By Other Complications of Labor and Delivery	1		1
Disorders Related to Length of Gestation and Fetal Growth (P05-P08)	100	55	45
P05 Slow Fetal Growth and Fetal Malnutrition	1		1
P07 Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	99	55	44
Respiratory and Cardiovascular Disorders Specific to Perinatal Period (P20-P29)	43	32	11
P20 Intrauterine Hypoxia	1		1
P21 Birth Asphyxia	3	3	
P22 Respiratory Distress of Newborn	12	10	2
P23 Congenital Pneumonia	2	1	1
P25 Interstitial Emphysema and Related Conditions Originating in Perinatal Period	2	1	1
P26 Pulmonary Hemorrhage Originating in the Perinatal Period	2	2	
P27 Chronic Respiratory Disease Originating in the Perinatal Period	4	3	1
P28 Other Respiratory Conditions Originating in the Perinatal Period	8	7	1
P29 Cardiovascular Disorders Originating in the Perinatal Period	9	5	4
Infections Specific to Perinatal Period (P35-P39)	13	7	6
P35 Congenital Viral Diseases	2	2	
P36 Bacterial Sepsis of Newborn	9	5	4
P39 Other Infections Specific to the Perinatal Period	2		2
Hemorrhagic and Hematological Disorders of Fetus and Newborn (P50-P61)	17	9	8
P50 Fetal Blood Loss	1	1	
P52 Intracranial Nontraumatic Hemorrhage of Fetus and Newborn	12	7	5
P54 Other Neonatal Hemorrhages	1		1
P61 Other Perinatal Hematological Disorders	3	1	2
Digestive System Disorders of Fetus and Newborn (P75-P78)	4	2	2
P77 Necrotizing Enterocolitis of Fetus and Newborn	4	2	2

Cause of Death

Underlying Cause of Death	Total	Male	Female
Conditions Involving the Integument and Temperature Regulation of Fetus/Newborn (P80-P83)	3	3	
P83 Other Conditions of Integument Specific to Fetus and Newborn	3	3	
Other Disorders Originating In Perinatal Period (P90-P96)	5	3	2
P91 Other Disturbances of Cerebral Status of Newborn	4	2	2
P96 Other Conditions Originating In the Perinatal Period	1	1	
XVII. Congenital Malformations/Deformations/Chromosomal Abnormalities (Q00-Q99)	195	105	90
Congenital Malformations of the Nervous System (Q00-Q07)	20	13	7
Q00 Anencephaly and Similar Malformations	2	1	1
Q02 Microcephaly	4	3	1
Q03 Congenital Hydrocephalus	2	2	
Q04 Other Congenital Malformations of Brain	8	5	3
Q05 Spina Bifada	2	1	1
Q07 Other Congenital Malformations of Nervous System	2	1	1
Congenital Malformations of the Circulatory System (Q20-Q28)	62	35	27
Q20 Congenital Malformations of Cardiac Chambers and Connections	8	3	5
Q21 Congenital Malformations of Cardiac Septa	12	8	4
Q22 Congenital Malformations of Pulmonary and Tricuspid Valves	1	1	
Q23 Congenital Malformations of Aortic and Mitral Valves	10	6	4
Q24 Other Congenital Malformations of the Heart	25	13	12
Q25 Congenital Malformations of Great Arteries	3	2	1
Q27 Other Congenital Malformations of Peripheral Vascular System	3	2	1
Congenital Malformations of the Respiratory System (Q30-Q34)	10	5	5
Q31 Congenital Malformations of Larynx	1		1
Q33 Congenital Malformations of Lung	8	4	4
Q34 Congenital Malformations of Respiratory System	1	1	
Cleft Lip and Cleft Palate (Q35-Q37)	1		1
Q35 Cleft Palate	1		1
Other Congenital Malformations of the Digestive System (Q38-Q45)	7	3	4
Q39 Congenital Malformations of Esophagus	3	2	1
Q43 Other Congenital Malformations of Intestine	2	1	1
Q44 Congenital Malformations of Gallbladder, Bile Ducts and Liver	1		1
Q45 Other Congenital Malformations of Digestive System	1		1
Congenital Malformations of the Urinary System (Q60-Q64)	14	9	5
Q60 Renal Agenesis and Other Reduction Defects of Kidney	2	2	
Q61 Cystic Kidney Disease	10	5	5
Q63 Other Congenital Malformations of Kidney	1	1	
Q64 Other Congenital Malformations of Urinary System	1	1	

Cause of Death

Underlying Cause of Death	Total	Male	Female
Congenital Malformations and Deformations of the Musculoskeletal System (Q65-Q79)	9	6	3
Q67 Congenital Musculoskeletal Deformities of Head, Face, Spine and Chest	1		1
Q75 Other Congenital Malformations of Skull and Face Bones	1	1	
Q77 Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	1		1
Q78 Other Osteochondrodysplasias	2	2	
Q79 Congenital Malformations of the Musculoskeletal System, Not Elsewhere Classified	4	3	1
Other Congenital Malformations (Q80-Q89)	24	15	9
Q82 Other Congenital Malformations of Skin	1		1
Q85 Phakomatoses, Not Elsewhere Classified	5	4	1
Q87 Other Specified Congenital Malformation Syndromes Affect Multiple Systems	11	6	5
Q89 Other Congenital Malformations, Not Elsewhere Classified	7	5	2
Chromosomal Abnormalities, Not Elsewhere Classified (Q90-Q99)	48	19	29
Q90 Downs Syndrome	27	7	20
Q91 Edwards Syndrome and Patau Syndrome	12	5	7
Q92 Other Trisomies and Partial Trisomies of the Autosomes, Not Elsewhere Classified	1	1	
Q93 Monosomies and Deletions from the Autosomes, Not Elsewhere Classified	4	4	
Q99 Other Chromosome Abnormalities, Not Elsewhere Classified	4	2	2
XVIII. Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified (R00-R99)	216	106	110
Symptoms & Signs Involving the Circulatory & Respiratory Systems (R00-R09)	11	6	5
R00 Abnormalities of Heart Beat	1	1	
R04 Hemorrhage From Respiratory Passages	3	2	1
R06 Abnormalities of Breathing	4	2	2
R09 Other Symptoms and Signs Involving Circulatory and Respiratory System	3	1	2
Symptoms and Signs Involving the Digestive System and Abdomen (R10-R19)	12	5	7
R10 Abdominal and Pelvic Pain	4		4
R19 Other Symptoms and Signs Involving the Digestive System and Abdomen	8	5	3
General Symptoms and Signs (R50-R69)	91	30	61
R52 Pain, Not Elsewhere Classified	1		1
R53 Malaise and Fatigue	9	3	6
R54 Senility	11	2	9
R56 Convulsions, Not Elsewhere Classified	21	12	9
R57 Shock, Not Elsewhere Classified	1		1
R58 Hemorrhage, Not Elsewhere Classified	6	3	3
R59 Enlarged Lymph Nodes	1		1
R60 Edema, Not Elsewhere Classified	1		1
R62 Lack of Expected Normal Physiological Development	17	5	12
R63 Symptoms and Signs Concerning Food and Fluid Intake	8	2	6
R64 Cachexia	6	1	5

Cause of Death

Underlying Cause of Death	Total	Male	Female
R68 Other General Symptoms and Signs	9	2	7
Abnormal Finds on Examination of Blood, Without Diagnosis (R70-R79)	1	1	
R79 Other Abnormal Findings of Blood Chemistry	1	1	
Abnormal Findings On Diagnostic Imaging and In Function Studies, Without Diagnosis (R90-R94)	6	3	3
R91 Abnormal Findings On Diagnostic Imaging of Lung	6	3	3
Ill-Defined and Unknown Causes of Mortality (R95-R99)	95	61	34
R95 Sudden Infant Death Syndrome	28	17	11
R99 Other Ill-Defined and Unspecified Causes of Mortality	67	44	23
XX. External Causes of Morbidity and Mortality (V01-Y89)	3,436	2,201	1,235
Pedestrian Injured In Transport Accident (V01-V09)	46	23	23
V02 Pedestrian Injured in Collision with Two or Three Wheeled Motor Vehicle	1		1
V03 Pedestrian Injured in Collision with Car, Pick-Up Truck or Van	41	21	20
V05 Pedestrian Injured in Collision with Railway Train Or Railway Vehicle	1	1	
V09 Pedestrian Injured in Other and Unspecified Transport Accidents	3	1	2
Pedal Cyclist Injured In Transport Accident (V10-V19)	13	12	1
V11 Pedal Cyclist Injured in Collision with Other Pedal Cycle	1	1	
V13 Pedal Cyclist Injured in Collision with Car, Pick-Up Truck or Van	9	8	1
V17 Pedal Cyclist Injured in Collision with Fixed or Stationary Object	1	1	
V18 Pedal Cyclist Injured in Noncollision Transport Accident	1	1	
V19 Pedal Cyclist Injured in Other and Unspecified Transport Accidents	1	1	
Motorcycle Rider Injured In Transport Accident (V20-V29)	77	65	12
V20 Motorcycle Rider Injured in Collision with Pedestrian or Animal	5	5	
V22 Motorcycle Rider Injured in Coll. with Two or Three Wheeled Motor Vehicle	1	1	
V23 Motorcycle Rider Injured in Collision with Car, Pick-Up Truck or Van	34	30	4
V24 Motorcycle Rider Injured in Collision with Heavy Transport Vehicle or Bus	1	1	
V27 Motorcycle Rider Injured in Collision with Fixed or Stationary Object	11	11	
V28 Motorcycle Rider Injured in Noncollision Transport Accident	19	13	6
V29 Motorcycle Rider Injured in Other and Unspecified Transport Accidents	6	4	2
Car Occupant Injured In Transport Accident (V40-V49)	290	175	115
V43 Car Occupant Injured in Collision with Car/Pick-Up Truck/Van	101	49	52
V44 Car Occupant Injured in Collision with Heavy Transport Vehicle Or Bus	31	17	14
V45 Car Occupant Injured in Collision with Railway Train/Railway Vehicle	2	2	
V47 Car Occupant Injured in Collision with Fixed Or Stationary Object	59	44	15
V48 Car Occupant Injured in Noncollision Transport Accident	87	59	28
V49 Car Occupant Injured in Other and Unspecified Transport Accidents	10	4	6
Occupant of Pick-Up Truck Or Van Injured In Transport Accident (V50-V59)	91	75	16
V50 Occupant of Pick-Up Truck/Van Inj. in Collision with Pedestrian or Animal	3	2	1
V53 Occupant of Pick-Up Truck/Van Inj. In Collision w/Car/Pick-Up Truck/Van	18	17	1
V54 Occupant of Pick-Up Truck/Van Inj. In Collision with Heavy Transport Vehicle or Bus	6	3	3
V56 Occupant of Pick-Up Truck/Van Inj. In Collision with Other Non-Motor Vehicle	1		1

Cause of Death

Underlying Cause of Death	Total	Male	Female
V57 Occupant of Pick-Up Truck/Van Injured In Collision with Fixed or Stationary Object	19	17	2
V58 Occupant of Pick-Up Truck/Van Injured In NonCollision Transport Accident	41	35	6
V59 Occupant of Pick-Up Truck/Van Injured in Other and Unspecified Transport Accidents	3	1	2
Other Land Transport Accidents (V80-V89)	76	61	15
V80 Animal-Rider or Occupant of Animal-Drawn Vehicle Injured in Transport Accident	3	1	2
V84 Occupant of Special Vehicle Mainly Used In Agriculture Injured in Transport Accident	2	2	
V86 Occupant of Special All-Terrain or Other Motor Vehicles Designed Primarily for Off-Road Use, Injured in Transport Accident	36	32	4
V87 Traffic Accident of Specified Type But Victims Mode of Transport Unknown	13	8	5
V89 Motor or Nonmotor Vehicle Accident, Type of Vehicle Unspecified	22	18	4
Water Transport Accidents (V90-V94)	7	7	
V90 Accident to Watercraft Causing Drowning and Submersion	3	3	
V92 Water Transport-Related Drowning and Submersion Without Accident to Watercraft	4	4	
Air and Space Transport Accidents (V95-V97)	14	12	2
V95 Accident to Powered Aircraft Causing Injury to Occupant	14	12	2
Falls (W00-W19)	954	451	503
W00 Fall On Same Level Involving Ice and Snow	11	8	3
W01 Fall On Same Level From Slipping, Tripping and Stumbling	44	19	25
W02 Fall Involving Ice-Skates, Skis, Roller-Skates or Skateboards	1		1
W04 Fall While Being Carried or Supported By Other Persons	9	2	7
W05 Fall Involving Wheelchair	34	14	20
W06 Fall Involving Bed	72	35	37
W07 Fall Involving Chair	13	4	9
W08 Fall Involving Other Furniture	8	3	5
W10 Fall On and from Stairs and Steps	85	48	37
W11 Fall On and from Ladder	14	11	3
W13 Fall From, Out of or Through Building Or Structure	12	9	3
W14 Fall From Tree	2	2	
W15 Fall From Cliff	1		1
W16 Diving/Jumping Into Water Caus. Injury Other Than Drowning/Submersion	1	1	
W17 Other Fall From One Level to Another	16	8	8
W18 Other Fall On Same Level	353	162	191
W19 Unspecified Fall	278	125	153
Exposure to Inanimate Mechanical Forces (W20-W49)	53	49	4
W20 Struck By Thrown, Projected or Falling Object	14	14	
W22 Striking Against or Struck By Other Equipment	5	3	2
W28 Contact with Powered Lawnmower	3	3	
W30 Contact with Agricultural Machinery	16	15	1
W31 Contact with Other and Unspecified Machinery	12	11	1

Cause of Death

Underlying Cause of Death	Total	Male	Female
W32 Handgun Discharge	1	1	
W40 Explosion of Other Materials	2	2	
Exposure to Animate Mechanical Forces (W50-W64)	3	2	1
W55 Bitten or Struck By Other Mammals	3	2	1
Accidental Drowning and Submersion (W65-W74)	49	37	12
W65 Drowning and Submersion While In Bathtub	3	2	1
W66 Drowning and Submersion Following Fall in Bathtub	2	1	1
W67 Drowning and Submersion While in Swimming Pool	5	4	1
W68 Drowning and Submersion Following Fall into Swimming Pool	1		1
W69 Drowning and Submersion While in Natural Water	26	22	4
W70 Drowning and Submersion Following Fall into Natural Water	5	4	1
W74 Unspecified Drowning and Submersion	7	4	3
Other Accidental Threats to Breathing (W75-W84)	94	63	31
W75 Accidental Suffocation and Strangulation in Bed	26	18	8
W76 Other Accidental Hanging and Strangulation	2	1	1
W77 Threat to Breathing Due to Cave-In/Falling Earth/Other Substances	1	1	
W78 Inhalation of Gastric Contents	2	2	
W79 Inhalation and Ingestion of Food Causing Obstruction of Respiratory Tract	27	17	10
W80 Inhalation and Ingestion of Other Objects Causing Obstruction of Respiratory Tract	22	11	11
W84 Unspecified Threat to Breathing	14	13	1
Exposure to Electric Current/Radiation/Extreme Ambient Air Temperature and Pressure (W85-W99)	6	6	
W85 Exposure to Electric Transmission Lines	3	3	
W86 Exposure to Other Specified Electric Current	1	1	
W87 Exposure to Unspecified Electric Current	1	1	
W92 Exposure to Excessive Heat of Man-Made Origin	1	1	
Exposure to Smoke, Fire and Flames (X00-X09)	44	26	18
X00 Exposure to Uncontrolled Fire in Building or Structure	37	21	16
X01 Exposure to Uncontrolled Fire, Not in Building or Structure	4	4	
X08 Exposure to Other Specified Smoke, Fire and Flames	1		1
X09 Exposure to Unspecified Smoke, Fire and Flames	2	1	1
Contact With Heat and Hot Substances (X10-X19)	1		1
X10 Contact with Hot Drinks, Food, Fats and Cooking Oils	1		1
Contact With Venomous Animals and Plants (X20-X29)	3	3	
X23 Contact with Hornets, Wasps and Bees	2	2	
X25 Contact with Other Specified Venomous Arthropods	1	1	
Exposure to Forces of Nature (X30-X39)	17	10	7
X30 Exposure to Excessive Natural Heat	5	3	2
X31 Exposure to Excessive Natural Cold	12	7	5
Accidental Poisoning By and Exposure to Noxious Substances (X40-X49)	515	333	182
X40 Accidental Poisoning by and Exposure to Nonopioid Analgesics, Antipyretics and Antirheumatics	3	1	2

Cause of Death

Underlying Cause of Death	Total	Male	Female
X41 Accidental Poisoning by and Exposure to Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs, Not Elsewhere Classified	26	14	12
X42 Accidental Poisoning by and Exposure to Narcotics and Psychodysleptics (Hallucinogens), Not Elsewhere Classified	212	150	62
X44 Accidental Poisoning by and Exposure to Other and Unspecified Drugs, Medicaments & Biological Substances	223	132	91
X45 Accidental Poisoning by and Exposure to Alcohol	31	22	9
X46 Accidental Poisoning by and Exposure to Organic Solvents and Halogenated Hydrocarbons and Their Vapors	2	1	1
X47 Accidental Poisoning by and Exposure to Other Gases and Vapors	16	13	3
X49 Accidental Poisoning by and Exposure to Other and Unspecified Chemicals and Noxious Substances	2		2
Overexertion, Travel and Privation (X50-X57)	1	1	
X50 Overexertion and Strenuous or Repetitive Movements	1	1	
Accidental Exposure to Other and Unspecified Factors (X58-X59)	34	20	14
X58 Exposure to Other Specified Factors	1		1
X59 Exposure to Unspecified Factor	33	20	13
Intentional Self-Harm (X60-X84)	722	558	164
X60 Intentional Self-Poisoning by and Exposure to Nonopioid Analgesics, Antipyretics and Antirheumatics	3	1	2
X61 Intentional Self-Poisoning by and Exposure to Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs, Not Elsewhere Classified	22	9	13
X62 Intentional Self-Poisoning by and Exposure to Narcotics and Psychodysleptics (Hallucinogens), Not Elsewhere Classified	23	9	14
X64 Intentional Self-Poisoning by and Exposure to Other and Unspecified Drugs, Medicaments and Biological Substances	68	27	41
X65 Intentional Self-Poisoning by and Exposure to Alcohol	2	2	
X67 Intentional Self-Poisoning by and Exposure to Other Gases and Vapors	36	28	8
X69 Intentional Self-Poisoning by and Exposure to Other and Unspecified Chemicals and Noxious Substances	1	1	
X70 Intentional Self-Harm By Hanging, Strangulation and Suffocation	176	141	35
X71 Intentional Self-Harm By Drowning and Submersion	11	9	2
X72 Intentional Self-Harm By Handgun Discharge	190	160	30
X73 Intentional Self-Harm By Rifle, Shotgun and Larger Firearm Discharge	136	127	9
X74 Intentional Self-Harm By Other and Unspecified Firearm Discharge	18	16	2
X76 Intentional Self-Harm By Smoke, Fire and Flames	1	1	
X78 Intentional Self-Harm By Sharp Object	12	9	3
X80 Intentional Self-Harm By Jumping from a High Place	10	5	5
X81 Intentional Self-Harm By Jumping or Lying Before Moving Object	4	4	
X82 Intentional Self-Harm By Crashing of Motor Vehicle	7	7	
X83 Intentional Self-Harm By Other Specified Means	1	1	
X84 Intentional Self-Harm By Unspecified Means	1	1	
Assault (X85-Y09)	160	110	50
X85 Assault by Drugs, Medicaments and Biological Substances	1		1
X91 Assault by Hanging, Strangulation and Suffocation	3	1	2
X93 Assault by Handgun Discharge	64	49	15

Cause of Death

Underlying Cause of Death	Total	Male	Female
X94 Assault by Rifle, Shotgun and Larger Firearm Discharge	15	7	8
X95 Assault by Other and Unspecified Firearm Discharge	24	20	4
X97 Assault by Fire and Flames	1	1	
X99 Assault by Sharp Object	20	13	7
Y00 Assault by Blunt Object	4		4
Y01 Assault by Pushing from High Place	1	1	
Y07 Other Maltreatment Syndromes	6	5	1
Y08 Assault by Other Specified Means	5	4	1
Y09 Assault by Unspecified Means	16	9	7
Event of Undetermined Intent (Y10-Y34)	82	51	31
Y10 Poisoning by and Exposure to Nonopiod Analgesics, Antipyretics and Antirheumatics, Undetermined Intent	2	2	
Y11 Poisoning by and Exposure to Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs, Not Elsewhere Classified, Undeter. Intent	5	2	3
Y12 Poisoning by and Exposure to Narcotics and Psychodysleptics (Hallucinogens), Not Elsewhere Classified, Undetermined Intent	15	8	7
Y13 Poisoning by and Exposure to Other Drugs Acting on the Autonomic Nervous System, Undetermined Intent	1		1
Y14 Poisoning by and Exposure to Other and Unspecified Drugs, Medicaments and Biological Substances, Undetermined Intent	27	16	11
Y17 Poisoning by and Exposure to Other Gases and Vapors, Undetermined Intent	1	1	
Y20 Hanging, Strangulation and Suffocation, Undetermined Intent	6	4	2
Y21 Drowning and Submersion, Undetermined Intent	8	7	1
Y22 Handgun Discharge, Undetermined Intent	2	2	
Y23 Rifle, Shotgun and Larger Firearm Discharge, Undetermined Intent	2	2	
Y26 Exposure to Smoke, Fire and Flames, Undetermined Intent	4	3	1
Y30 Falling, Jumping Or Pushed From A High Place, Undetermined Intent	2		2
Y34 Unspecified Event, Undetermined Intent	7	4	3
Legal Intervention and Operations Of War (Y35-Y36)	4	4	
Y35 Legal Intervention	4	4	
Complications of Medical and Surgical Care (Y40-Y59)	10	5	5
Y42 Hormones and Their Synthetic Substitutes and Antagonists, Not Elsewhere Classified	1		1
Y44 Agents Primarily Affecting Blood Constituents	4	2	2
Y48 Anesthetics and Therapeutic Gases	1	1	
Y52 Agents Primarily Affecting the Cardiovascular System	1		1
Y57 Other and Unspecified Drugs and Medicaments	3	2	1
Misadventures to Patients During Surgical and Medical Care (Y60-Y69)	1		1
Y60 Unintentional Cut, Puncture, Perforation or Hemorrhage During Surgical and Medical Care	1		1
Surgical and Other Medical Procedures As Cause of Abnormal Reaction of the Patient, or of Later Complication, Without Mention of Misadventure at the Time of the Procedure (Y83-Y84)	17	9	8
Y83 Surgical Operation & Other Surg. Procedures as Cause of Abnormal Reaction of the Patient, or of Later Complic. Without Mention of Misadventure at Time of Proc.	13	7	6

Cause of Death

Underlying Cause of Death	Total	Male	Female
Y84 Other Medical Procedures as Cause of Abnormal Reaction of Patient, or of Later Complication, Without Mention of Misadventure at Time of Procedure	4	2	2
Sequelae of External Causes of Morbidity and Mortality (Y85-Y89)	52	33	19
Y85 Sequelae of Transport Accidents	26	17	9
Y86 Sequelae of Other Accidents	18	13	5
Y87 Sequelae of Intentional Self-Harm, Assault and Events of Undetermined Intent	5	3	2
Y88 Sequelae of Surgical and Medical Care As External Cause	3		3
Source: Office of Health Informatics, Division of Public Health, Department of Health Services.			
Note: Underlying cause of death is the disease or injury that initiated events resulting in death.			

Technical Notes

Reporting Requirements

As specified in Chapter 69, Wisconsin Statutes, the following is a brief outline of the sequence of events that take place when a death occurs in Wisconsin:

- Within 24 hours after being notified of a death, the filing party (usually a funeral director) must present a certificate of death to the physician or medical examiner responsible for completing and signing the medical certification.
- The medical certifier has six days after pronouncement of death to return the certificate of death back to the filing party.
- Within two days after receipt of the medical certification, the filing party must present the death certificate to the registration district (local Register of Deeds or City Health Office).
- There should be no more than nine calendar days total from date of death until filing at a local office.
- The local Register of Deeds or City Health Office must transmit the death certificate to the State Registrar within ten working days (not including weekends) after its receipt from the filing party.
- State statute allows up to 21 days from the date of death for notification to the State Registrar.

International Classification of Disease (ICD-10) Codes

Causes of death for deaths that occurred in 2009 have been coded according to the World Health Organization's *International Classification of Diseases—Tenth Revision* (Geneva, Switzerland, 1992). This classification system is the current standard used by the National Center for Health Statistics. All of the cause-of-death groupings utilized in this report were recommended for state use by the National Center for Health Statistics and the World Health Organization.

Listed below are the ICD-10 codes used for ranking leading causes of death in Tables 11, 12, 13, 17, 18, 19, 20, 21 and 22 (List A). Please note that different groupings are used for ranking leading causes of infant deaths (age less than one year) in Tables 11, 12 and 13 (List B).

List A

Salmonella Infections (A01-A02)
Shigellosis and Amebiasis (A03, A06)
Tuberculosis (A16-A19)
Whooping Cough (A37)
Scarlet Fever and Erysipelas (A38, A46)
Meningococcal Infection (A39)
Septicemia (A40-A41)
Syphilis (A50-A53)
Acute Poliomyelitis (A80)
Arthropod-Borne Viral Encephalitis (A83-A84, A85.2)
Measles (B05)
Viral Hepatitis (B15-B19)
Human Immunodeficiency Virus (HIV) Disease (B20-B24)
Malaria (B50-B54)
Malignant Neoplasms (Cancer) (C00-C97)
In Situ Neoplasms, Benign Neoplasms and Neoplasms of Uncertain or Unknown Behavior (D00-D48)
Anemias (D50-D64)
Diabetes Mellitus (E10-E14)
Nutritional Deficiencies (E40-E64)
Meningitis (G00, G03)
Parkinson's Disease (G20-G21)
Alzheimer's Disease (G30)
Diseases of the Heart (I00-I09, I11, I13, I20-I51)
Essential Hypertension and Hypertensive Renal Disease (I10, I12, I15)
Cerebrovascular Diseases (Stroke) (I60-I69)
Atherosclerosis (I70)
Aortic Aneurysm and Dissection (I71)
Influenza and Pneumonia (J09-J18)
Acute Bronchitis and Bronchiolitis (J20-J21)
Chronic Lower Respiratory Diseases (J40-J47)
Pneumoconioses and Chemical Effects (J60-J66, J68)
Pneumonitis Due to Solids and Liquids (J69)
Peptic Ulcer (K25-K28)
Diseases of Appendix (K35-K38)
Hernia (K40-K46)

Chronic Liver Disease and Cirrhosis (K70, K73-K74)
Cholelithiasis and Other Disorders of Gallbladder (K80-K82)
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27)
Infections of Kidney (N10-N12, N13.6, N15.1)
Hyperplasia of Prostate (N40)
Inflammatory Disease of Female Pelvic Organs (N70-N76)
Pregnancy, Childbirth and the Puerperium (O00-O99)
Certain Conditions Originating in the Perinatal Period (P00-P96)
Congenital Malformations, Deformations and Chromosomal Abnormalities (Q00-Q99)
Accidents (excluding medical/surgical complications) (V01-X59, Y85-Y86)
Intentional Self-Harm (Suicide) (U03, X60-X84, Y87.0)
Assault (Homicide) (U01-U02, X85-Y09, Y87.1)
Legal Intervention (Y35, Y89.0)
Operations of War and Their Sequelae (Y36, Y89.1)
Complications of Medical and Surgical Care (Y40-Y84, Y88)
All Other (All Other Codes)

List B (used for Tables 11, 12 and 13 for infants only)

Diarrhea and Gastroenteritis of Presumed Infectious Origin (A09)
Tuberculosis (A16-A19)
Tetanus (A33, A35)
Diphtheria (A36)
Whooping Cough (A37)
Meningococcal Infection (A39)
Septicemia (A40-A41)
Congenital Syphilis (A50)
Gonococcal Infection (A54)
Acute Poliomyelitis (A80)
Varicella (Chickenpox) (B01)
Measles (B05)
Human Immunodeficiency Virus (HIV) Disease (B20-B24)
Mumps (B26)
Candidiasis (B37)
Malaria (B50-B54)
Pneumocystosis (B59)
Malignant Neoplasms (C00-C97)
In Situ Neoplasms, Benign Neoplasms and Neoplasms of Uncertain or Unknown Behavior (D00-D48)
Diseases of the Blood and Blood-Forming Organs and Certain Disorders Involving the Immune Mechanism (D50-D89)
Short Stature, Not Elsewhere Classified (E34.3)
Nutritional Deficiencies (E40-E64)
Cystic Fibrosis (E84)
Volume Depletion, Disorders of Fluid, Electrolyte and Acid-Base Balance (E86-E87)
Meningitis (G00, G03)
Infantile Spinal Muscular Atrophy, Type I (Werdnig-Hoffman) (G12.0)
Infantile Cerebral Palsy (G80)
Anoxic Brain Damage, Not Elsewhere Classified (G93.1)
Diseases of the Ear and Mastoid Process (H60-H93)

Diseases of the Circulatory System (I00-I99)
Acute Upper Respiratory Infections (J00-J06)
Influenza and Pneumonia (J09-J18)
Acute Bronchitis and Acute Bronchiolitis (J20-J21)
Bronchitis, Chronic and Unspecified (J40-J42)
Asthma (J45-J46)
Pneumonitis Due to Solids and Liquids (J69)
Gastritis, Duodenitis and Noninfective Enteritis and Colitis (K29, K50-K55)
Hernia of Abdominal Cavity and Intestinal Obstruction Without Hernia (K40-K46, K56)
Renal Failure and Other Disorders of Kidney (N17-N19, N25, N27)
Newborn Affected by Maternal Hypertensive Disorders (P00.0)
Newborn Affected by Other Maternal Conditions Which May be Unrelated to
Present Pregnancy (P00.1-P00.9)
Newborn Affected by Maternal Complications of Pregnancy (P01)
Newborn Affected by Complications of Placenta, Cord and Membranes (P02)
Newborn Affected by Other Complications of Labor and Delivery (P03)
Newborn Affected by Noxious Influences Transmitted Via Placenta or Breast Milk (P04)
Slow Fetal Growth and Fetal Malnutrition (P05)
Disorders Related to Short Gestation and Low Birth Weight, Not Elsewhere Classified (P07)
Disorders Related to Long Gestation and High Birth Weight (P08)
Birth Trauma (P10-P15)
Intrauterine Hypoxia and Birth Asphyxia (P20-P21)
Respiratory Distress of Newborn (P22)
Congenital Pneumonia (P23)
Neonatal Aspiration Syndromes (P24)
Interstitial Emphysema and Related Conditions Originating in the Perinatal Period (P25)
Pulmonary Hemorrhage Originating in the Perinatal Period (P26)
Chronic Respiratory Disease Originating in the Perinatal Period (P27)
Atelectasis (P28.0-P28.1)
Bacterial Sepsis of Newborn (P36)
Omphalitis of Newborn With or Without Mild Hemorrhage (P38)
Neonatal Hemorrhage (P50-P52, P54)
Hemorrhagic Disease of Newborn (P53)
Hemolytic Disease of Newborn Due to Isoimmunization and Other Perinatal
Jaundice (P55-P59)
Hematological Disorders (P60-P61)
Syndrome of Infant of a Diabetic Mother and Neonatal Diabetes Mellitus (P70.0-P70.2)
Necrotizing Enterocolitis of Newborn (P77)
Hydrops Fetalis Not Due to Hemolytic Disease (P83.2)
Congenital Malformations, Deformations and Chromosomal Abnormalities (Q00-Q99)
Sudden Infant Death Syndrome (R95)
Accidents (excluding medical/surgical complications) (V01-X59)
Assault (Homicide) (U01-U02, X85-Y09)
Complications of Medical and Surgical Care (Y40-Y84)
All Other (All Other Codes)

International Classification of Disease (ICD-10) codes used for groupings in Table 10:

Tuberculosis (A16-A19)
Syphilis (A50-A53)
Human Immunodeficiency Virus (HIV) Disease (B20-B24)
Malignant Neoplasms (Cancer) (C00-C97)
Diabetes Mellitus (E10-E14)
Alzheimer's Disease (G30)
Diseases of the Heart (I00-I09, I11, I13, I20-I51)
Essential Hypertension and Hypertensive Renal Disease (I10, I12, I15)
Cerebrovascular Diseases (Stroke) (I60-I69)
Atherosclerosis (I70)
Other Diseases of Circulatory System (I71-I78)
Influenza and Pneumonia (J09-J18)
Chronic Lower Respiratory Diseases (J40-J47)
Peptic Ulcer (K25-K28)
Chronic Liver Disease and Cirrhosis (K70, K73-K74)
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27)
Pregnancy, Childbirth and the Puerperium (O00-O99)
Certain Conditions Originating in the Perinatal Period (P00-P96)
Congenital Malformations, Deformations and Chromosomal Abnormalities (Q00-Q99)
Sudden Infant Death Syndrome (R95)
Symptoms, Signs and Abnormal Clinical and Laboratory Findings,
Not Elsewhere Classified (R00-R94, R96-R99)
Motor Vehicle Accidents (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)
All Accidents (except motor vehicle) (V01, V05-V06, V09.1, V09.3-V09.9, V10-V11,
V15-V18, V19.3, V19.8-V19.9, V800-V802, V80.6-V80.9, V81.2-V81.9,
V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-X59, Y40-Y86, Y88)
Intentional Self-Harm (Suicide) (U03, X60-X84, Y87.0)
Assault (Homicide) (U01-U02, X85-Y09, Y87.1)
All Other External Causes (Y10-Y36, Y89, Y87.2)
All Other Diseases (All Other Disease Codes)

International Classification of Disease (ICD-10) codes used for groupings in Tables 14, 15, 16 and 23:

Tuberculosis (A16-A19)
Syphilis (A50-A53)
Human Immunodeficiency Virus (HIV) Disease (B20-B24)
Malignant Neoplasms (Cancer) (C00-C97)
Malignant Neoplasm of Stomach (C16)
Malignant Neoplasms of Colon, Rectum and Anus (C18-C21)
Malignant Neoplasm of Pancreas (C25)
Malignant Neoplasms of Trachea, Bronchus and Lung (C33-C34)
Malignant Neoplasm of Breast (C50)
Malignant Neoplasms of Cervix Uteri, Corpus Uteri and Ovary (C53-C56)
Malignant Neoplasm of Prostate (C61)
Malignant Neoplasms of Urinary Tract (C64-C68)

Non-Hodgkin's Lymphoma (C82-C85)
Leukemia (C91-C95)
Other Malignant Neoplasms (C00-C15, C17, C22-C24, C26-C32, C37-C49,
C51-C52, C57-C60, C62-C63, C69-C81, C88, C90, C96-C97)
Diabetes Mellitus (E10-E14)
Alzheimer's Disease (G30)
Major Cardiovascular Diseases (I00-I78)
 Diseases of the Heart (I00-I09, I11, I13, I20-I51)
 Hypertensive Heart Disease With or Without Renal Disease (I11, I13)
 Ischemic Heart Diseases (I20-I25)
 Other Diseases of the Heart (I00-I09, I26-I51)
 Essential Hypertension and Hypertensive Renal Disease (I10, I12, I15)
 Cerebrovascular Diseases (Stroke) (I60-I69)
 Atherosclerosis (I70)
 Other Diseases of Circulatory System (I71-I78)
Influenza and Pneumonia (J09-J18)
Chronic Lower Respiratory Diseases (J40-J47)
Peptic Ulcer (K25-K28)
Chronic Liver Disease and Cirrhosis (K70, K73-K74)
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27)
Pregnancy, Childbirth and the Puerperium (O00-O99)
Certain Conditions Originating in the Perinatal Period (P00-P96)
Congenital Malformations, Deformations and Chromosomal Abnormalities (Q00-Q99)
Sudden Infant Death Syndrome (R95)
Symptoms, Signs and Abnormal Clinical and Laboratory Findings,
 Not Elsewhere Classified (R00-R94, R96-R99)
All Other Diseases (All Other Disease Codes)
Motor Vehicle Accidents (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)
All Accidents (except motor vehicle) (V01, V05-V06, V09.1, V09.3-V09.9, V10-V11,
V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9,
V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-X59, Y40-Y86, Y88)
Intentional Self-Harm (Suicide) (U03, X60-X84, Y87.0)
Assault (Homicide) (U01-U02, X85-Y09, Y87.1)
All Other External Causes (Y10-Y36, Y89, Y87.2)

Table A1. Wisconsin Population Estimates by Age and Sex, July 1, 2009

Age Group	Total	Male	Female
All Ages	5,679,840	2,820,510	2,859,330
Under 1	70,821	36,173	34,648
1-4	295,120	150,860	144,260
5-9	358,570	182,830	175,740
10-14	359,620	183,500	176,120
15-19	405,970	207,950	198,020
20-24	419,780	212,990	206,790
25-29	375,240	193,090	182,150
30-34	334,580	172,330	162,250
35-39	354,240	179,700	174,540
40-44	390,090	196,890	193,200
45-49	447,370	224,010	223,360
50-54	430,880	216,340	214,540
55-59	375,120	188,060	187,060
60-64	297,460	147,240	150,220
65-69	220,160	105,250	114,910
70-74	171,940	79,760	92,180
75-79	142,050	62,140	79,910
80-84	115,330	46,260	69,070
85-89	76,070	24,970	51,100
90-94	31,100	8,350	22,750
95 +	8,330	1,820	6,510

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: Numbers may not sum to totals due to rounding.
 The infant (under age 1) figures are the number of live births to Wisconsin residents that occurred in 2009.

Table A2. Wisconsin Population Estimates by Age and Sex, July 1, 2008

Age Group	Total	Male	Female
All Ages	5,672,230	2,818,430	2,853,800
Under 1	72,002	36,818	35,183
1-4	293,390	150,080	143,310
5-9	356,080	181,560	174,520
10-14	365,240	186,490	178,750
15-19	401,140	206,350	194,790
20-24	395,770	201,220	194,550
25-29	382,610	198,870	183,740
30-34	341,670	174,950	166,720
35-39	367,680	186,610	181,070
40-44	405,810	204,820	200,990
45-49	454,410	227,730	226,680
50-54	427,390	214,350	213,040
55-59	368,430	185,160	183,270
60-64	284,120	140,040	144,080
65-69	214,440	102,420	112,020
70-74	167,370	77,130	90,240
75-79	142,290	61,830	80,460
80-84	114,250	45,080	69,170
85-89	77,890	26,240	51,650
90-94	31,760	8,770	22,990
95 +	8,490	1,910	6,580

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: Numbers may not sum to total due to rounding.
 The infant (under age 1) figures are the number of live births to Wisconsin residents that occurred in 2008. The “under 1” total includes one death for which sex is unknown.

Table A3. Wisconsin Population Estimates by Race, Ethnicity and Sex, July 1, 2009

RACE	Total		Hispanic/Latino		Non-Hispanic/Latino	
	Male	Female	Male	Female	Male	Female
White	2,515,137	2,541,324	145,483	126,468	2,369,654	2,414,856
Black/African American	169,383	178,414	5,821	5,922	163,562	172,492
American Indian	28,548	28,512	3,744	3,546	24,804	24,966
Asian	60,333	61,383	840	823	59,493	60,560
Native Hawaiian/Other Pacific Islander	1,313	1,303	311	261	1,002	1,042
Two or More Races	34,352	34,772	2,945	2,959	31,407	31,813
Total	2,809,066	2,845,708	159,144	139,979	2,649,922	2,705,729

Source: United States Census Bureau.

Note: Totals differ from those produced by the Office of Health Informatics shown in Table A1 because different methods were used to produce the estimates.

Table A4. Wisconsin Life Expectancy by Sex and Age Group, 2007-2009

Age Group	Life Expectancy (Years)		
	Males	Females	Total Population
0	77.3	82.2	79.8
1-4	76.9	81.6	79.3
5-9	73.0	77.7	75.4
10-14	68.1	72.9	70.6
15-19	63.2	68.0	65.6
20-24	58.5	63.1	60.8
25-29	53.8	58.2	56.1
30-34	49.1	53.3	51.3
35-39	44.4	48.5	46.5
40-44	39.7	43.7	41.8
45-49	35.1	39.0	37.1
50-54	30.6	34.4	32.6
55-59	26.3	29.8	28.2
60-64	22.2	25.4	23.9
65-69	18.3	21.3	19.9
70-74	14.7	17.3	16.2
75-79	11.4	13.7	12.8
80-84	8.5	10.4	9.7
85-89	6.2	7.6	7.1
90-94	4.2	5.2	4.9
95 +	2.9	3.5	3.4

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: This table shows current life expectancy at various ages for Wisconsin’s total population and for males and females. These life expectancy estimates are based on age-specific death rates that occurred during the three-year period 2007-2009.

For example, the life expectancy at birth in 2007-2009 was 79.8 years. This is the average number of years that babies born in these years would live if throughout their lives they experienced the age-specific death rates experienced in 2007-2009. For boys, life expectancy at birth was 77.3 years. For girls, life expectancy at birth was 82.2 years.

P-45368-09 (02/11)

Wisconsin Deaths, 2009
P-45368-09 (February 2011)

Office of Health Informatics
Division of Public Health
Wisconsin Department of Health Services