

2004

Births To Teens

In Wisconsin

*Bureau of Health Information and Policy
Division of Public Health
Wisconsin Department of Health and Family Services*

Births To Teens In Wisconsin

2004

August 2005

*Bureau of Health Information and Policy
Division of Public Health
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Foreword

The Department of Health and Family Services is mandated by section 69.03 (9), Wisconsin Statutes, to prepare annual reports on vital statistics. *Births to Teens in Wisconsin, 2004* includes relevant information from the annual *Wisconsin Births and Infant Deaths* report, as well as additional information on teen births not included in that report. This publication was prepared by the Bureau of Health Information and Policy, Division of Public Health, Wisconsin Department of Health and Family Services.

The material in this report was compiled by Laura Ninneman in the Vital Records Section of the Bureau of Health Information and Policy. Pat Nametz edited the report. Draft review was provided by Murray L. Katcher, M.D., Ph.D., Bureau of Community Health Promotion, Division of Public Health; and by Sandra Park in the Bureau of Health Information and Policy, Population Health Information Section. The report was prepared under the supervision of John Kiesow, State Registrar, Vital Records Section, and Jane Kraus, Supervisor, Registration and Statistics Unit; and the overall direction of Susan Wood, Director, Bureau of Health Information and Policy.

Additional health-related statistical information for Wisconsin is available through the Internet on the Department of Health and Family Services site, at <http://dhfs.wisconsin.gov/stats/>. Wisconsin Interactive Statistics on Health (WISH) is an online data query system, located at <http://dhfs.wisconsin.gov/wish>, which includes birth data for multiple years and geographic areas in Wisconsin. Trend tables of maternal and child health data for individual counties are available at <http://dhfs.wisconsin.gov/localdata/infantspgwomn/start.htm>.

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Introduction

This report presents information on teen births, based primarily on data collected from the confidential portion of the birth record. It presents data for 2004 and other relevant years in two main sections: "Statewide Information" and "Local Information."

Data files used in the report are the resident birth certificate file, the matched infant birth-death file, the fetal death file, and the reported induced terminations of pregnancy publication. All data refer to Wisconsin residents unless otherwise noted.

All the information is presented according to place of residence. This means that events have been assigned to the area where the person lives (usually legal residence) regardless of where the events occurred. For births, the reference is to the residence of the mother. For deaths, the reference is to the residence of the infant.

This year the report includes a new table showing teen birth rates for selected cities (Table 14, page 20).

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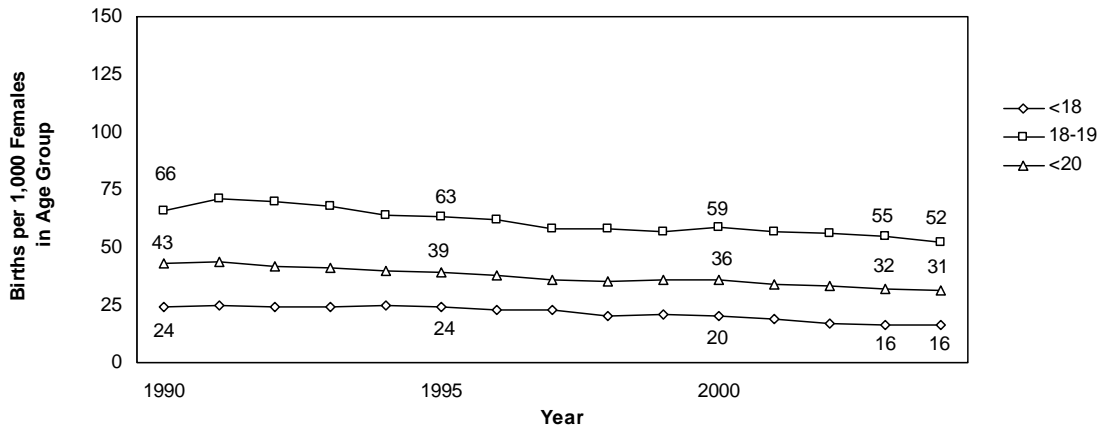
Table 1. Births to Teens by Age Group, Wisconsin, 1970-2004

Year	Number of Teen Births		Total Births	Number of Teen Births		Percent of Teen Births		Percent Of All Births	Percent of Teen Births	Percent of All Births
	<15	15-17		18-19	<20	<15	15-17			
1970	87	2,522	2,609	7,088	9,697	0.9%	26.0%	3.4%	73.1%	12.5%
1971	98	2,575	2,673	6,774	9,447	1.0	27.3	3.7	71.7	13.1
1972	88	2,846	2,934	6,267	9,201	1.0	30.9	4.5	68.1	14.2
1973	120	3,013	3,133	6,651	9,784	1.2	30.8	5.0	68.0	15.6
1974	119	3,100	3,219	6,435	9,654	1.2	32.1	4.9	66.7	14.8
1975	103	3,256	3,359	6,279	9,638	1.1	33.8	5.2	65.1	14.8
1976	125	2,970	3,095	6,111	9,206	1.4	32.3	4.8	66.4	14.2
1977	103	2,920	3,023	6,094	9,117	1.1	32.0	4.4	66.8	13.3
1978	72	2,865	2,937	5,940	8,877	0.8	32.3	4.3	66.9	12.9
1979	120	2,688	2,808	6,473	9,281	1.3	28.9	3.8	69.7	12.7
1980	93	2,741	2,834	6,379	9,213	1.0	29.8	3.8	69.2	12.3
1981	94	2,655	2,749	6,029	8,778	1.1	30.2	3.7	68.7	11.8
1982	91	2,452	2,543	5,659	8,202	1.1	29.9	3.4	69.0	11.0
1983	98	2,397	2,495	5,258	7,753	1.3	30.9	3.4	67.8	10.7
1984	98	2,305	2,403	4,973	7,376	1.3	31.2	3.3	67.4	10.1
1985	123	2,389	2,512	4,976	7,488	1.6	31.9	3.4	66.4	10.2
1986	121	2,340	2,461	4,679	7,140	1.7	32.8	3.4	65.5	9.9
1987	114	2,369	2,483	4,425	6,908	1.7	34.3	3.5	64.1	9.7
1988	133	2,322	2,455	4,486	6,941	1.9	33.5	3.5	64.6	9.8
1989	141	2,416	2,557	4,707	7,264	1.9	33.3	3.6	64.8	10.1
1990	148	2,337	2,485	4,925	7,410	2.0	31.5	3.4	66.5	10.2
1991	147	2,440	2,587	4,828	7,415	2.0	32.9	3.6	65.1	10.3
1992	159	2,427	2,586	4,622	7,208	2.2	33.7	3.7	64.1	10.2
1993	175	2,481	2,656	4,576	7,232	2.4	34.3	3.8	63.3	10.4
1994	161	2,497	2,658	4,379	7,037	2.3	35.5	3.9	62.2	10.3
1995	182	2,549	2,731	4,379	7,110	2.6	35.9	4.0	61.6	10.5
1996	143	2,507	2,650	4,453	7,103	2.0	35.3	4.0	62.7	10.6
1997	163	2,541	2,704	4,384	7,088	2.3	35.8	4.1	61.9	10.7
1998	111	2,366	2,477	4,570	7,047	1.6	33.6	3.7	64.9	10.5
1999	116	2,432	2,548	4,760	7,308	1.6	33.3	3.7	65.1	10.7
2000	99	2,225	2,324	4,753	7,077	1.4	31.4	3.4	67.2	10.2
2001	80	2,167	2,247	4,602	6,849	1.2	31.6	3.3	67.2	9.9
2002	108	1,898	2,006	4,528	6,534	1.7	29.0	2.9	69.3	9.5
2003	85	1,861	1,946	4,371	6,317	1.3	29.5	2.8	69.2	9.0
2004	91	1,765	1,856	4,231	6,087	1.5	29.0	2.6	69.5	8.7

Sources: Wisconsin Bureau of Health Information and Policy, *Trends in Maternal and Child Health Statistics, 1968-1988*; *Maternal and Child Health Statistics* for the years 1989-1994; *Wisconsin Births and Infant Deaths* for the years 1995-2004.

Note: The numbers of 1996 teen births reported here are different from those published earlier because other states filed three duplicate records for Wisconsin resident teen births.

Figure 1. Age-Specific Teen Birth Rates, Wisconsin, 1990-2004



Sources: Wisconsin Bureau of Health Information and Policy, *Trends in Maternal and Child Health Statistics, 1968-1988*; *Public Health Profiles* for the years 1989-1994; *Wisconsin Births and Infant Deaths* for the years 1995-2004.

Note: The <18 (less than 18) and <20 (less than 20) birth rates are per 1,000 females aged 15-17 and 15-19, respectively, but include births to mothers less than 15.

Table 2a. Age-Specific Teen Birth Rates, Wisconsin, 2004 and United States, 2002

Age	Wisconsin Rate		U.S. Rate
15-19	30.5	(30.0)*	43.0
15-17	15.7	(14.9)*	23.2
18-19	52.1		72.8

Sources: Wisconsin Bureau of Health Information and Policy, *Wisconsin Births and Infant Deaths, 2004*. United States rates are from the *National Vital Statistics Report*, Vol. 52, No. 10, 2003.

Notes: Rates are the number of births per 1,000 females in the age group. Wisconsin rates shown for births to mothers aged 15-19 and 15-17 includes 85 births to mothers less than 15 years old. U.S. rates for ages 15-19 and 15-17 do not include births to mothers less than 15 years old.

* Rates in parentheses are calculated to be comparable to U.S. rates, which exclude mothers younger than 15.

Table 2b. Teen Birth Rates, Wisconsin and United States, 1980-2004

	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Ages 15-17																
Wisconsin	21	24	25	24	24	23	22	21	21	19	20	19	18	16	16	15
United States	33	38	39	38	38	38	36	34	32	30	29	27	25	23	n/a	n/a
Ages 15-19																
Wisconsin	40	42	44	42	41	39	38	37	35	35	35	35	34	32	31	30
United States	53	60	62	61	60	59	57	54	52	51	50	48	45	43	n/a	n/a

Sources: Wisconsin Bureau of Health Information and Policy, *Trends in Maternal and Child Health Statistics, 1968-1988*; *Public Health Profiles* for the years 1989-1994; *Wisconsin Births and Infant Deaths* for the years 1995-2004. United States rates are from the National Center for Health Statistics (NCHS), *National Vital Statistics Report*.

Notes: Rates are the number of births per 1,000 females aged 15-19. Wisconsin rates for this table exclude births to mothers below age 15. U.S. rates for 2003 and 2004 are not yet available (n/a).

Table 3. Births to Teens by Age Group and Race/Ethnicity, Wisconsin, Selected Years

Year	Number of Births			Birth Rate
	<18	18-19	<20	<20
1994				
White	1,318	2,816	4,134	26.8
Black/African American	937	1,024	1,961	158.0
American Indian	52	95	147	79.4
Hispanic/Latino, Any Race	238	289	527	89.0
Total Births	2,658	4,379	7,037	39.8
2003				
White	813	2,582	3,395	20.3
Black/African American	631	927	1,558	99.9
American Indian	68	117	185	76.2
Hispanic/Latino, Any Race	320	579	899	104.9
Total Births	1,946	4,371	6,317	32.5
2004				
White	739	2,439	3,178	19.0
Black/African American	603	902	1,505	94.3
American Indian	52	141	193	60.5
Hispanic/Latino, Any Race	362	555	917	97.2
Total Births	1,856	4,231	6,087	30.5

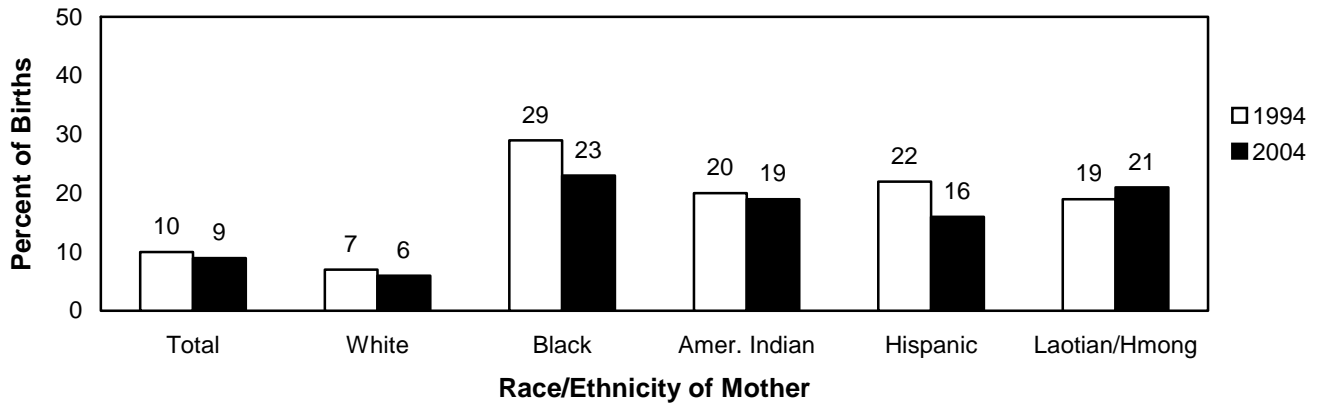
Sources: Wisconsin Bureau of Health Information and Policy, *Maternal and Child Health Statistics 1994; Wisconsin Births and Infant Deaths* for the years 2003-2004.

Notes: Births to mothers of Hispanic origin are excluded from race categories (see Technical Notes). (In contrast, Table 11 includes mothers of Hispanic origin within race categories.) Because individuals could report more than one race for the first time during the 2000 Census, rates for earlier years are not directly comparable to those for 2000 and later.

The <20 birth rates are per 1,000 females aged 15-19, but include births to mothers less than 15.

Totals include all births to mothers in these age groups, regardless of race/ethnicity.

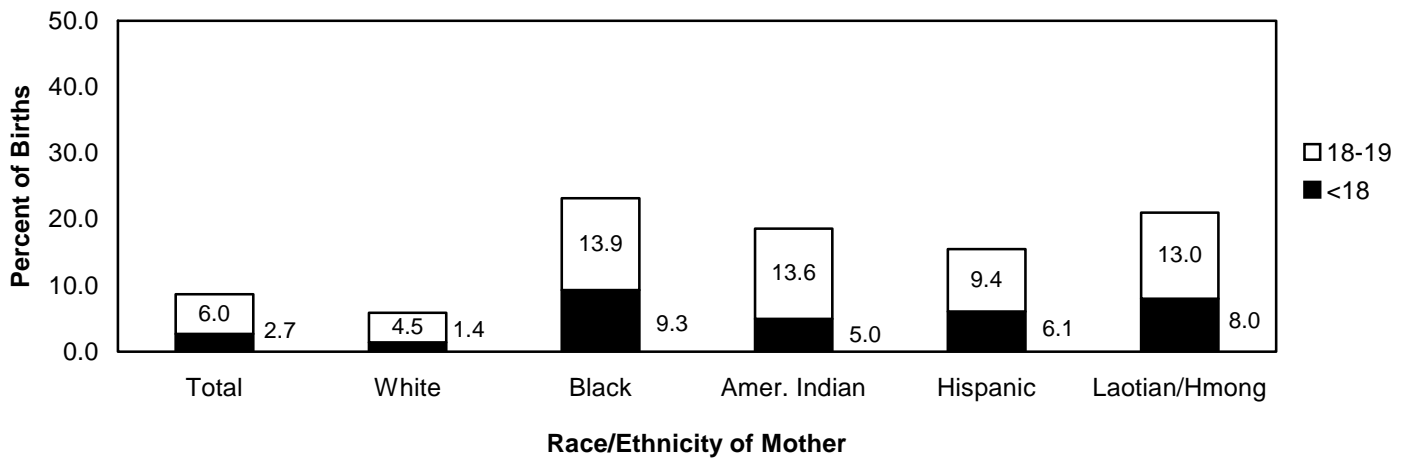
Figure 2. Births to Teens as a Percent of All Births in Each Race/Ethnicity Group, Wisconsin, 1994 and 2004



Source: Wisconsin Bureau of Health Information and Policy, *Wisconsin Births and Infant Deaths, 2004*.

Notes: Births to mothers of Hispanic origin are excluded from race categories in this figure because a Hispanic ethnicity category is shown (see Technical Notes). (In contrast, Table 11 includes mothers of Hispanic origin within self-identified race categories.) In 2004, 5% of births to mothers whose race/ethnicity was considered to be in the “other” category were to teens (not shown).

Figure 3. Births to Teens as a Percent of All Births in Each Race/Ethnicity Group, by Maternal Age, Wisconsin 2003



Source: Wisconsin Bureau of Health Information and Policy, *Wisconsin Births and Infant Deaths, 2004*.

Notes: Births to mothers of Hispanic origin are excluded from race categories (see Technical Notes). (In contrast, Table 11 includes mothers of Hispanic origin within race categories.)

Statewide Information

Table 4. Births to Teens by Marital Status, Wisconsin, Selected Years

Marital Status	1994	1997	1998	1999	2000	2001	2002	2003	2004
Married									
Number	1,139	1,095	1,077	1,149	1,096	1,018	1,048	897	839
Percent	16.2%	15.4%	15.3%	15.7%	15.5%	14.9%	16.0%	14.2%	13.8%
Unmarried									
Number	5,897	5,993	5,970	6,159	5,981	5,831	5,486	5,420	5,248
Percent	83.8%	84.6%	84.7%	84.3%	84.5%	85.1%	84.0%	85.8%	86.2%
Teen Births	7,037	7,088	7,047	7,308	7,077	6,849	6,534	6,317	6,087

Sources: Wisconsin Bureau of Health Information and Policy, *Maternal and Child Health Statistics 1994; Wisconsin Births and Infant Deaths* for the years 1997-2004.

Note: Marital status was not reported for one birth in 1994, nine births in 2002, and ten births in 2003.

Table 5. Births to Teens Who Received First-Trimester Prenatal Care, by Age Group, Wisconsin, 1994-2004

Year	Less than 18		18-19		Less than 20		All Births/All Ages	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1994	1,574	59	2,978	68	4,552	65	56,716	83
1995	1,628	60	3,074	70	4,702	66	56,155	83
1996	1,608	61	3,149	71	4,757	67	56,273	84
1997	1,640	61	3,167	72	4,807	68	56,112	84
1998	1,518	61	3,171	69	4,689	67	56,645	84
1999	1,520	60	3,401	71	4,921	67	57,203	84
2000	1,373	59	3,354	71	4,727	67	58,129	84
2001	1,345	60	3,219	70	4,564	67	57,747	84
2002	1,206	60	3,187	70	4,393	67	57,686	84
2003	1,196	61	3,147	72	4,343	69	59,296	85
2004	1,148	62	3,132	74	4,280	70	59,666	85

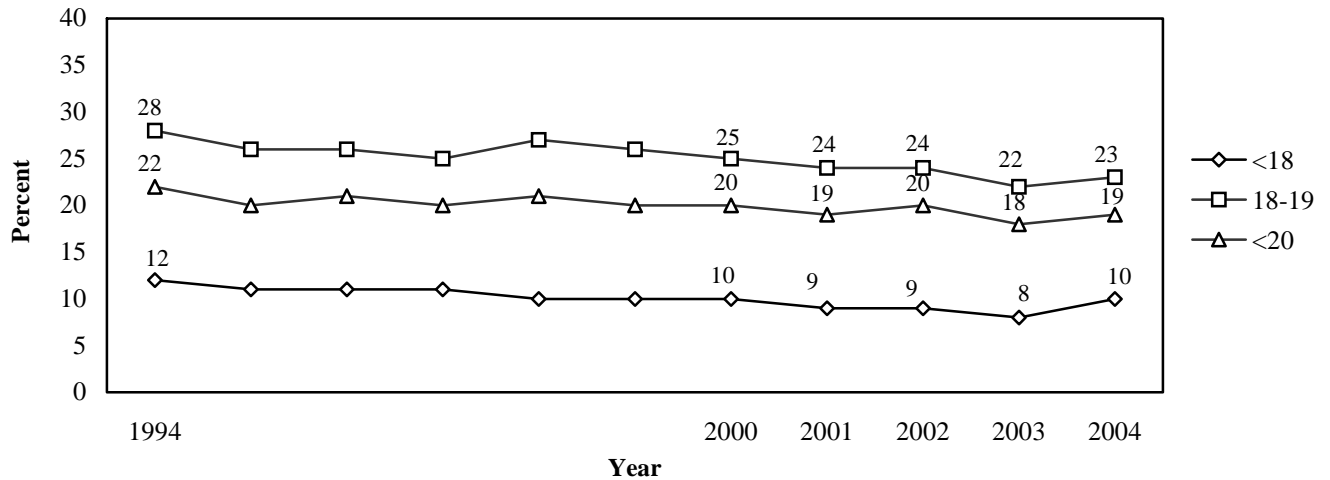
Sources: Wisconsin Bureau of Health Information and Policy, *Maternal and Child Health Statistics 1994; Wisconsin Births and Infant Deaths* for the years 1995-2004.

Table 6. Second Order or Higher Births to Teens by Age Group, Wisconsin, Selected Years

Age Group	1997	1998	1999	2000	2001	2002	2003	2004
Less than 18	295	251	263	244	200	175	161	178
18-19	1,097	1,233	1,229	1,197	1,088	1,103	973	953
Total <20	1,392	1,484	1,492	1,441	1,288	1,278	1,134	1,131

Sources: *Wisconsin Births and Infant Deaths* for the years 1997-2004.
 Notes: Birth order means order of present birth in relation to previous births.

Figure 4. Percent of Second Order or Higher Births to Teens by Age Group, Wisconsin, 1994-2004



Sources: Wisconsin Bureau of Health Information and Policy, *Maternal and Child Health Statistics 1994*; *Wisconsin Births and Infant Deaths* for the years 1995-2004.

Table 7. Births to Teens by Age Group and Selected Characteristics, Wisconsin 2004

	<15	15-17	<18	18-19	<20	All Births All Ages
Total	91	1,765	1,856	4,231	6,087	70,131
Race/Ethnicity of Mother						
White	15	724	739	2,439	3,178	54,217
Black/African American	46	557	603	902	1,505	6,497
American Indian	4	48	52	141	193	1,034
Hispanic/Latino	25	337	362	555	917	5,915
Laotian/Hmong	1	83	84	136	220	1,045
Other	-	15	15	57	72	1,394
Unknown	-	1	1	1	2	29
Education of Mother						
Elementary or Less	78	161	239	131	370	2,595
Some High School	13	1,465	1,478	1,538	3,016	8,270
High School Graduate	-	120	120	2,212	2,332	20,292
Some College	-	1	1	320	321	16,864
College Graduate	-	1	1	-	1	12,301
Post-Graduate	-	6	6	4	10	9,531
Unknown	-	11	11	26	37	278
Marital Status						
Married	-	145	145	694	839	47,968
Unmarried	91	1,620	1,711	3,537	5,248	22,152
Unknown	-	-	-	-	-	11
Trimester Prenatal Care Began						
First	39	1,109	1,148	3,132	4,280	59,666
Second	39	518	557	884	1,441	8,227
Third	9	106	115	158	273	1,571
No Prenatal Care	4	27	31	42	73	464
Unknown	-	5	5	15	20	203
Number of Prenatal Care Visits						
No Visits	4	27	31	42	73	464
1-4	13	109	122	180	302	1,893
5-9	22	501	523	1,032	1,555	12,886
10-12	32	696	728	1,781	2,509	30,652
13+	20	421	441	1,173	1,614	23,889
Unknown	-	11	11	23	34	347
Birthweight						
<1,500 grams	5	46	51	78	129	869
1500-2,499 grams	8	139	147	308	455	4,038
2,500+ grams	78	1,580	1,658	3,844	5,502	65,209
Unknown	-	-	-	1	1	15
<2,500 grams	13	185	198	386	584	4,907

(Continued)

Table 7. Births to Teens by Age Group and Selected Characteristics, Wisconsin 2004

	<15	15-17	<18	18-19	<20	All Births All Ages
Smoked During Pregnancy						
No	86	1,461	1,547	3,155	4,702	60,200
Yes	5	300	305	1,070	1,375	9,812
Unknown	-	4	4	6	10	119
Live Birth Order						
First	90	1,588	1,678	3,278	4,956	27,714
Second	1	167	168	813	981	23,004
Third	-	10	10	123	133	11,574
Fourth	-	-	-	15	15	4,489
Fifth or Higher	-	-	-	1	1	3,336
Unknown	-	-	-	1	1	14
Plurality						
Single Birth	91	1,747	1,838	4,165	6,003	67,856
Multiple Birth	-	18	18	66	84	2,275

Source: Wisconsin Bureau of Health Information and Policy, *Wisconsin Births and Infant Deaths, 2004*.

Notes: Included in the total of all births are fourteen births for which age of mother was not reported. Births to mothers of Hispanic origin are excluded from race categories (see Technical Notes). (In contrast, Table 11 includes mothers of Hispanic origin within race categories.) A dash (-) indicates there were no births in that category.

Table 8. Fetal, Neonatal, and Infant Deaths by Teen Age Group, Wisconsin 2004

	<15	15-17	<18	18-19	<20	All Deaths All Ages
Fetal deaths						
Number	1	15	16	28	44	352
Rate	-	-	-	6.6	7.2	5.0
Neonatal deaths						
Number	3	17	20	21	41	280
Rate	-	-	10.8	5.0	6.7	4.0
Infant deaths						
Number	5	27	32	38	70	420
Rate	-	15.3	17.2	9.0	11.5	6.0

Source: Wisconsin Bureau of Health Information and Policy, *Wisconsin Births and Infant Deaths, 2004*.

Notes: The fetal death rate is the number of reported fetal deaths per 1,000 live births and fetal deaths (see Technical Notes). (Fetal deaths are reportable only when fetal gestation is 20 weeks or more.)

The neonatal death rate is the number of deaths occurring before 28 days of age, per 1,000 live births.

The infant death rate is the number of deaths occurring before one year of age, per 1,000 live births.

Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.

Local Information

Table 9. Births to Teens by Age Group and County of Residence, Wisconsin 2004

County	<15	15-17	<18	18-19	<20	All Births All Ages
Total	91	1,765	1,856	4,231	6,087	70,131
Adams	-	11	11	13	24	162
Ashland	-	3	3	7	10	184
Barron	-	6	6	35	41	527
Bayfield	1	4	5	8	13	140
Brown	2	95	97	165	262	3,211
Buffalo	-	1	1	6	7	155
Burnett	-	4	4	12	16	144
Calumet	-	7	7	24	31	701
Chippewa	-	12	12	46	58	719
Clark	1	9	10	27	37	564
Columbia	-	9	9	35	44	637
Crawford	-	6	6	7	13	177
Dane	3	102	105	238	343	5,995
Dodge	-	23	23	49	72	980
Door	-	5	5	12	17	232
Douglas	-	12	12	33	45	486
Dunn	-	7	7	27	34	453
Eau Claire	-	13	13	64	77	1,105
Florence	-	-	-	-	-	33
Fond du Lac	-	22	22	64	86	1,117
Forest	-	2	2	12	14	108
Grant	1	10	11	38	49	590
Green	-	9	9	19	28	404
Green Lake	-	3	3	14	17	229
Iowa	-	-	-	14	14	312
Iron	-	1	1	3	4	42
Jackson	-	8	8	21	29	244
Jefferson	1	12	13	46	59	1,020
Juneau	-	6	6	24	30	293
Kenosha	3	69	72	127	199	2,125
Kewaunee	-	-	-	13	13	235
La Crosse	1	22	23	72	95	1,259
Lafayette	-	3	3	16	19	223
Langlade	-	1	1	23	24	216
Lincoln	-	8	8	22	30	315
Manitowoc	1	21	22	54	76	889
Marathon	1	20	21	86	107	1,531
Marinette	2	10	12	41	53	423
Marquette	-	8	8	14	22	156
Menominee	-	7	7	16	23	102
Milwaukee	57	700	757	1,285	2,042	14,635
Monroe	1	20	21	55	76	587

(Continued)

Local Information

Table 9. Births to Teens by Age Group and County of Residence, Wisconsin 2004

County	<15	15-17	<18	18-19	<20	All Births All Ages
Oconto	-	15	15	15	30	400
Oneida	-	7	7	12	19	333
Outagamie	-	26	26	84	110	2,294
Ozaukee	-	5	5	25	30	883
Pepin	-	-	-	4	4	91
Pierce	-	5	5	16	21	466
Polk	-	5	5	30	35	508
Portage	-	12	12	40	52	710
Price	-	1	1	7	8	137
Racine	4	91	95	186	281	2,499
Richland	-	2	2	11	13	231
Rock	2	53	55	171	226	2,002
Rusk	1	3	4	16	20	150
St. Croix	1	12	13	30	43	1,138
Sauk	-	11	11	53	64	764
Sawyer	-	7	7	22	29	184
Shawano	-	12	12	30	42	473
Sheboygan	2	33	35	87	122	1,382
Taylor	1	3	4	13	17	240
Trempealeau	-	12	12	23	35	359
Vernon	-	5	5	15	20	432
Vilas	-	-	-	11	11	188
Walworth	2	40	42	76	118	1,147
Washburn	-	3	3	12	15	168
Washington	-	10	10	35	45	1,429
Waukesha	-	34	34	108	142	4,362
Waupaca	-	12	12	38	50	556
Waushara	1	7	8	19	27	260
Winnebago	1	28	29	108	137	1,839
Wood	1	20	21	47	68	846

Source: Wisconsin Bureau of Health Information and Policy, *Wisconsin Births and Infant Deaths, 2004*.

Notes: Included in the "all births" column is fourteen births for which age of mother was not reported. A dash (-) indicates there were no births in that category.

Local Information

Table 10. Teen Birth Rates and Estimated Pregnancy Rates by Age Group and County of Residence, Wisconsin 2004

County	Birth Rate			Estimated Pregnancy Rate		
	<18	18-19	<20	<18	18-19	<20
Total	15.7	52.1	30.5	21.4	65.6	39.4
Adams	-	-	46.3	-	-	59.8
Ashland	-	-	-	-	-	-
Barron	-	48.7	24.7	-	48.7	25.3
Bayfield	-	-	-	-	-	-
Brown	18.9	48.6	30.7	22.4	63.9	38.9
Buffalo	-	-	-	-	-	-
Burnett	-	-	-	-	-	-
Calumet	-	34.9	19.0	-	37.8	21.5
Chippewa	-	50.4	27.1	-	52.6	29.0
Clark	-	47.0	27.0	-	53.9	30.7
Columbia	-	48.1	23.9	-	67.4	33.6
Crawford	-	-	-	-	-	-
Dane	10.6	36.5	20.9	16.2	57.5	32.6
Dodge	13.8	39.9	24.8	19.1	46.4	30.7
Door	-	-	-	-	-	25.9
Douglas	-	52.2	30.6	-	52.2	30.6
Dunn	-	32.4	16.2	-	32.4	17.1
Eau Claire	-	33.5	16.5	-	36.7	18.0
Florence	-	-	-	-	-	-
Fond du Lac	10.8	43.4	24.5	16.2	52.9	31.6
Forest	-	-	-	-	-	-
Grant	-	41.1	22.3	-	43.3	24.1
Green	-	-	23.8	-	53.5	32.3
Green Lake	-	-	-	-	-	-
Iowa	-	-	-	-	-	-
Iron	-	-	-	-	-	-
Jackson	-	92.9	46.2	-	110.6	55.7
Jefferson	-	35.9	19.3	12.4	49.9	28.1
Juneau	-	66.9	35.3	-	80.8	41.2
Kenosha	21.3	54.7	34.9	29.0	68.9	45.2
Kewaunee	-	-	-	-	-	-
La Crosse	7.7	35.5	18.9	8.4	41.4	21.7
Lafayette	-	-	-	-	-	32.8
Langlade	-	78.5	33.0	-	81.9	37.1
Lincoln	-	54.3	30.8	-	54.3	36.9
Manitowoc	12.6	44.7	25.7	18.3	56.3	33.8
Marathon	7.7	42.9	22.7	13.3	49.4	28.6
Marinette	-	60.4	34.1	-	66.3	39.2
Marquette	-	-	42.9	-	-	50.7
Menominee	-	-	105.5	-	-	110.1
Milwaukee	38.2	98.3	62.1	51.9	127.0	81.8
Monroe	22.5	84.6	48.0	25.7	87.7	51.1

(Continued)

Local Information

Table 10. Teen Birth Rates and Estimated Pregnancy Rates by Age Group and County of Residence, Wisconsin 2004

County	Birth Rate			Estimated Pregnancy Rate		
	<18	18-19	<20	<18	18-19	<20
Oconto	-	-	22.1	-	36.2	27.3
Oneida	-	-	-	-	-	26.4
Outagamie	7.1	33.9	17.9	9.8	45.5	24.2
Ozaukee	-	20.1	9.7	-	28.1	13.6
Pepin	-	-	-	-	-	-
Pierce	-	-	10.5	-	-	10.5
Polk	-	44.3	22.5	-	44.3	22.5
Portage	-	28.9	16.2	-	42.0	23.1
Price	-	-	-	-	-	-
Racine	24.2	69.3	42.5	31.8	90.5	55.7
Richland	-	-	-	-	-	35.0
Rock	16.7	79.1	41.5	21.9	89.2	48.6
Rusk	-	-	36.4	-	-	36.4
St. Croix	-	28.2	16.5	-	29.1	16.9
Sauk	-	66.0	32.1	17.6	76.0	41.1
Sawyer	-	97.8	49.7	-	97.8	49.7
Shawano	-	51.1	29.5	-	54.5	33.0
Sheboygan	15.2	54.4	31.3	18.7	66.2	38.2
Taylor	-	-	-	-	-	-
Trempealeau	-	65.1	37.8	-	65.1	41.0
Vernon	-	-	18.2	-	-	25.5
Vilas	-	-	-	-	-	-
Walworth	20.9	55.6	35.0	23.4	73.8	43.9
Washburn	-	-	-	-	-	-
Washington	-	21.0	11.0	-	33.6	18.1
Waukesha	4.4	20.7	10.9	9.7	31.5	18.4
Waupaca	-	50.4	27.6	18.9	62.4	37.0
Waushara	-	-	33.9	-	65.2	38.9
Winnebago	8.0	42.7	22.3	13.6	55.7	31.0
Wood	13.8	42.3	25.9	17.1	49.5	30.8

Sources: Wisconsin Bureau of Health Information and Policy, *Wisconsin Births and Infant Deaths, 2004*; and *Reported Induced Terminations of Pregnancy in Wisconsin, 2004*. Population counts used to calculate rates are from United States Census Bureau and the Wisconsin Department of Administration, Demographic Services Center. These population estimates are provisional and subject to revision.

Notes: A birth rate is not calculated when there were fewer than 20 births for an age group in a county; this is indicated with a dash (-). Rates are per 1,000 females in the age group. The birth rates for mothers <20 and for mothers <18 include births to mothers below age 15.

$$\text{<20 Birth Rate} = 1,000 \times \left(\frac{\text{No. of resident live births to mothers <20}}{\text{No. of females 15-19}} \right)$$

$$\text{<18 Birth Rate} = 1,000 \times \left(\frac{\text{No. of resident live births to mothers <18}}{\text{No. of females 15-17}} \right)$$

The pregnancy rate is an estimate based on the number of live births, reported fetal deaths, and reported induced terminations of pregnancy. This underestimates the actual number of pregnancies because it does not include miscarriages not reported as fetal deaths. Fetal deaths are reportable when fetal gestation is 20 weeks or more. Pregnancies from border counties may also be underestimated because of limited reporting by out-of-state facilities.

Local Information

Table 11. Births to Teens by Age Group, Race of Mother and County of Residence, Wisconsin 2004

County	Total	<18			18-19			Total <20		
		White	Black	Other	White	Black	Other	White	Black	Other
Total	6,087	1,077	619	160	2,970	916	345	4,047	1,535	505
Adams	24	11	-	-	12	-	1	23	-	1
Ashland	10	2	-	1	2	-	5	4	-	6
Barron	41	6	-	-	33	-	2	39	-	2
Bayfield	13	3	1	1	5	-	3	8	1	4
Brown	262	62	9	26	122	11	32	184	20	58
Buffalo	7	1	-	-	6	-	-	7	-	-
Burnett	16	4	-	-	8	-	4	12	-	4
Calumet	31	7	-	-	20	-	4	27	-	4
Chippewa	58	12	-	-	45	-	1	57	-	1
Clark	37	9	-	1	27	-	-	36	-	1
Columbia	44	9	-	-	33	1	1	42	1	1
Crawford	13	6	-	-	6	1	-	12	1	-
Dane	343	55	37	13	158	61	19	213	98	32
Dodge	72	23	-	-	46	2	1	69	2	1
Door	17	5	-	-	11	-	1	16	-	1
Douglas	45	9	1	2	29	1	3	38	2	5
Dunn	34	4	-	3	26	-	1	30	-	4
Eau Claire	77	9	-	4	56	1	7	65	1	11
Florence		-	-	-	-	-	-	-	-	-
Fond du Lac	86	20	2	-	56	4	4	76	6	4
Forest	14	-	-	2	8	-	4	8	-	6
Grant	49	11	-	-	37	-	1	48	-	1
Green	28	9	-	-	19	-	-	28	-	-
Green Lake	17	3	-	-	13	-	1	16	-	1
Iowa	14	-	-	-	14	-	-	14	-	-
Iron	4	1	-	-	3	-	-	4	-	-
Jackson	29	6	-	2	17	-	4	23	-	6
Jefferson	59	13	-	-	45	-	1	58	-	1
Juneau	30	6	-	-	24	-	-	30	-	-
Kenosha	199	56	16	-	95	25	7	151	41	7
Kewaunee	13	-	-	-	13	-	-	13	-	-
La Crosse	95	9	3	11	57	3	12	66	6	23
Lafayette	19	3	-	-	16	-	-	19	-	-
Langlade	24	-	-	1	21	-	2	21	-	3
Lincoln	30	8	-	-	22	-	-	30	-	-
Manitowoc	76	18	1	3	45	-	9	63	1	12

(Continued)

Table 11. Births to Teens by Age Group, Race of Mother and County of Residence, Wisconsin 2004

County	Total	<18			18-19			Total <20		
		White	Black	Other	White	Black	Other	White	Black	Other
Marathon	107	12	-	9	65	2	19	77	2	28
Marinette	53	12	-	-	38	1	2	50	1	2
Marquette	22	8	-	-	13	-	1	21	-	1
Menominee	23	-	-	7	-	-	16	-	-	23
Milwaukee	2,042	242	479	36	499	711	75	741	1,190	111
Monroe	76	21	-	-	50	-	5	71	-	5
Oconto	30	14	-	1	14	-	1	28	-	2
Oneida	19	5	-	2	11	-	1	16	-	3
Outagamie	110	20	2	4	67	-	17	87	2	21
Ozaukee	30	4	1	-	24	1	-	28	2	-
Pepin	4	-	-	-	4	-	-	4	-	-
Pierce	21	5	-	-	16	-	-	21	-	-
Polk	35	4	-	1	28	-	2	32	-	3
Portage	52	9	-	3	31	1	8	40	1	11
Price	8	1	-	-	7	-	-	8	-	-
Racine	281	57	36	2	127	58	1	184	94	3
Richland	13	2	-	-	11	-	-	13	-	-
Rock	226	38	15	2	146	21	4	184	36	6
Rusk	20	4	-	-	16	-	-	20	-	-
St. Croix	43	13	-	-	29	-	1	42	-	1
Sauk	64	10	-	1	50	-	3	60	-	4
Sawyer	29	1	1	5	16	-	6	17	1	11
Shawano	42	8	-	4	25	-	5	33	-	9
Sheboygan	122	30	2	3	64	4	19	94	6	22
Taylor	17	4	-	-	13	-	-	17	-	-
Trempealeau	35	12	-	-	23	-	-	35	-	-
Vernon	20	5	-	-	15	-	-	20	-	-
Vilas	11	-	-	-	8	-	3	8	-	3
Walworth	118	39	3	-	75	-	1	114	3	1
Washburn	15	3	-	-	11	-	1	14	-	1
Washington	45	8	2	-	33	1	1	41	3	1
Waukesha	142	27	5	2	103	3	2	130	8	4
Waupaca	50	12	-	-	38	-	-	50	-	-
Waushara	27	8	-	-	15	-	4	23	-	4
Winnebago	137	24	2	3	94	1	13	118	3	16
Wood	68	15	1	5	41	2	4	56	3	9

Source: Resident birth certificates, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Births to mothers of Hispanic origin are included within the race categories (see Technical Notes). This differs from the other tables related to race/ethnicity in this report. A dash (-) indicates there were no births in that category.

Local Information

Table 12. Births to Unmarried Teens by Age Group and County of Residence, Wisconsin 2004

County	<15	15-17	<18	18-19	<20	All Nonmarital Births
Total	91	1,620	1,711	3,537	5,248	22,152
Adams	-	10	10	8	18	66
Ashland	-	n/s	n/s	6	9	60
Barron	-	6	6	30	36	158
Bayfield	n/s	n/s	5	7	12	40
Brown	n/s	84	86	143	229	1,008
Buffalo	-	n/s	n/s	4	5	35
Burnett	-	n/s	n/s	10	14	71
Calumet	-	7	7	16	23	110
Chippewa	-	11	11	36	47	201
Clark	n/s	8	9	26	35	109
Columbia	-	8	8	22	30	147
Crawford	-	6	6	7	13	74
Dane	n/s	91	94	209	303	1,515
Dodge	-	19	19	36	55	248
Door	-	4	4	8	12	54
Douglas	-	12	12	30	42	181
Dunn	-	6	6	21	27	112
Eau Claire	-	10	10	47	57	307
Florence	-	-	-	-	-	1
Fond du Lac	-	19	19	48	67	320
Forest	-	n/s	n/s	10	12	52
Grant	n/s	10	11	29	40	163
Green	-	8	8	17	25	114
Green Lake	-	n/s	n/s	11	14	52
Iowa	-	-	-	14	14	66
Iron	-	n/s	n/s	n/s	n/s	13
Jackson	-	6	6	17	23	90
Jefferson	n/s	11	12	34	46	243
Juneau	-	6	6	18	24	95
Kenosha	n/s	64	67	111	178	753
Kewaunee	-	-	-	11	11	44
La Crosse	n/s	13	14	60	74	356
Lafayette	-	n/s	n/s	16	19	67
Langlade	-	n/s	n/s	14	15	74
Lincoln	-	8	8	16	24	103
Manitowoc	n/s	17	18	36	54	216
Marathon	n/s	13	14	62	76	362
Marinette	n/s	8	10	30	40	120
Marquette	-	8	8	12	20	53
Menominee	-	7	7	16	23	79
Milwaukee	57	670	727	1,164	1,891	7,454
Monroe	n/s	19	20	43	63	185

(Continued)

Local Information

Table 12. Births to Unmarried Teens by Age Group and County of Residence, Wisconsin 2004

County	<15	15-17	<18	18-19	<20	All Nonmarital Births
Oconto	-	14	14	13	27	103
Oneida	-	7	7	9	16	80
Outagamie	-	23	23	61	84	480
Ozaukee	-	4	4	20	24	113
Pepin	-	-	-	n/s	n/s	23
Pierce	-	5	5	13	18	102
Polk	-	5	5	28	33	133
Portage	-	9	9	30	39	175
Price	-	n/s	n/s	6	7	40
Racine	n/s	85	89	169	258	960
Richland	-	n/s	n/s	8	9	68
Rock	n/s	47	49	146	195	745
Rusk	n/s	n/s	n/s	11	14	48
St. Croix	n/s	11	12	25	37	192
Sauk	-	10	10	37	47	210
Sawyer	-	7	7	19	26	96
Shawano	-	12	12	25	37	159
Sheboygan	n/s	29	31	59	90	360
Taylor	n/s	n/s	n/s	9	13	54
Trempealeau	-	11	11	18	29	106
Vernon	-	5	5	10	15	88
Vilas	-	-	-	10	10	71
Walworth	n/s	36	38	59	97	312
Washburn	-	n/s	n/s	8	11	42
Washington	-	10	10	30	40	231
Waukesha	-	32	32	91	123	640
Waupaca	-	11	11	30	41	154
Waushara	n/s	6	7	13	20	59
Winnebago	n/s	25	26	79	105	488
Wood	n/s	15	16	40	56	249

Source: Wisconsin Bureau of Health Information and Policy, *Wisconsin Births and Infant Deaths, 2004*.

Notes: A dash (-) indicates there were no births to unmarried women in this age group. An n/s indicates that births to unmarried women are not shown, and at least one but fewer than five total births (to married and unmarried mothers) occurred in the age group (see Table 9).

Local Information

Table 13. Births by Teen Age Group and Selected Places of Residence, Wisconsin 2004

City	<15	15-17	<18	18-19	<20	All Births
Appleton	-	24	24	58	82	1,347
Beloit	1	26	27	66	93	623
Brookfield	-	-	-	5	5	285
Caledonia (T)	-	1	1	3	4	164
De Pere	-	5	5	9	14	331
Eau Claire	-	11	11	47	58	806
Fitchburg	-	6	6	13	19	261
Fond du Lac	-	16	16	46	62	630
Franklin	-	6	6	3	9	304
Green Bay	2	80	82	128	210	1,872
Greenfield	-	6	6	19	25	337
Janesville	-	20	20	74	94	848
Kenosha	3	61	64	106	170	1,673
La Crosse	1	17	18	46	64	587
Madison	2	74	76	157	233	3,142
Manitowoc	-	14	14	39	53	415
Menomonee Falls (V)	-	5	5	5	10	352
Mequon/Thiensville	-	2	2	3	5	227
Milwaukee	56	654	710	1,159	1,869	11,027
Mount Pleasant (T)	-	-	-	3	3	91
Muskego	-	2	2	7	9	266
Neenah/Menasha	1	9	10	43	53	661
New Berlin	-	3	3	1	4	395
Oak Creek	-	4	4	14	18	428
Oshkosh	-	11	11	56	67	805
Racine	4	85	89	154	243	1,640
Sheboygan	2	28	30	64	94	798
South Milwaukee	-	6	6	17	23	226
Stevens Point	-	6	6	20	26	300
Sun Prairie	1	3	4	16	20	435
Superior	-	11	11	29	40	330
Watertown	1	6	7	16	23	367
Waukesha	-	18	18	56	74	1,201
Wausau	1	15	16	46	62	553
Wauwatosa	-	1	1	4	5	518
West Allis	1	10	11	37	48	699
West Bend	-	3	3	19	22	438

Source: Resident birth certificates, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: A dash (-) indicates there were no births in that category.

This table includes cities with a population of 20,000 or more according to population estimates from the United States Census Bureau and the Wisconsin Department of Administration, Demographic Services Center. These estimates are provisional and subject to revision. Combined areas include: Mequon (C) with Thiensville (V); and Neenah (C) with Menasha (C).

Table 14. Teen Birth Rates by Selected Cities of Residence, Wisconsin, 2004

City	Teen Birth Rate
Green Bay	56.0
Kenosha	51.6
Madison	25.5
Milwaukee	81.6
Racine	80.3

Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Notes: The birth rate is the number of resident live births to females aged <20 per 1,000 females aged 15-19; it includes births to mothers less than 15 years old.

Population estimates used in calculating rates are from the United States Census Bureau and the Wisconsin Department of Administration, Demographic Services Center. These estimates are provisional and subject to revision. These are the only Wisconsin cities for which population estimates by age and sex are available.

Trend Information

Table 15. Births to Teens by County of Residence, Wisconsin 1994-2004

County	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Total	7,037	7,110	7,103	7,088	7,047	7,308	7,077	6,849	6,534	6,317	6,087
Adams	16	26	18	30	28	23	20	23	26	21	24
Ashland	27	22	29	29	17	26	33	19	22	28	10
Barron	59	73	62	60	59	60	45	55	63	47	41
Bayfield	13	20	15	17	11	21	8	14	12	6	13
Brown	249	242	256	278	278	290	332	290	304	300	262
Buffalo	18	9	9	7	7	9	15	12	11	7	7
Burnett	14	16	23	24	14	24	18	23	22	18	16
Calumet	30	24	30	23	36	30	20	33	19	33	31
Chippewa	65	64	66	70	73	87	73	68	62	45	58
Clark	34	32	30	39	43	35	37	36	42	36	37
Columbia	54	50	57	46	60	38	42	42	39	42	44
Crawford	20	21	14	22	21	23	25	22	25	16	13
Dane	300	301	296	328	330	339	382	358	335	306	343
Dodge	72	77	95	93	68	98	100	80	80	79	72
Door	25	17	25	25	19	20	25	21	18	19	17
Douglas	81	65	58	65	57	66	65	53	46	51	45
Dunn	37	37	43	44	47	38	34	40	33	43	34
Eau Claire	103	93	118	105	78	89	85	91	83	89	77
Florence	5	3	6	3	-	2	5	1	4	2	-
Fond du Lac	98	110	111	104	96	120	101	102	91	86	86
Forest	15	28	11	21	19	19	11	17	18	16	14
Grant	52	46	41	50	52	40	47	37	45	55	49
Green	36	28	35	24	23	38	26	31	30	27	28
Green Lake	23	22	26	24	22	14	26	18	19	17	17
Iowa	9	18	17	9	9	18	19	19	21	13	14
Iron	8	2	2	6	1	1	8	1	-	3	4
Jackson	28	26	21	24	26	32	31	21	22	26	29
Jefferson	59	62	71	76	86	88	79	70	83	74	59
Juneau	37	41	39	37	41	41	39	34	37	29	30
Kenosha	242	265	243	246	256	262	245	222	232	228	199
Kewaunee	6	14	21	15	12	18	19	13	17	16	13
La Crosse	101	95	85	104	115	114	81	105	95	108	95
Lafayette	14	18	10	6	10	14	16	20	13	8	19
Langlade	39	31	26	32	27	38	34	30	34	24	24
Lincoln	43	37	45	29	35	33	25	27	33	27	30
Manitowoc	87	75	82	82	94	90	85	80	88	101	76

(Continued)

Trend Information

Table 15. Births to Teens by County of Residence, Wisconsin 1994-2004

County	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Marathon	123	131	127	123	120	143	141	119	137	104	107
Marinette	41	47	42	45	41	42	53	49	39	38	53
Marquette	14	9	18	21	9	21	21	31	19	14	22
Menominee	13	18	16	21	20	23	18	27	16	18	23
Milwaukee	2,592	2,602	2,566	2,438	2,445	2,480	2,331	2,326	2,184	2,092	2,042
Monroe	63	68	63	50	63	53	71	56	52	51	76
Oconto	32	40	35	37	35	42	30	32	33	38	30
Oneida	41	19	30	40	31	26	27	28	21	26	19
Outagamie	122	134	153	149	144	171	162	161	172	145	110
Ozaukee	24	26	35	28	32	32	29	27	28	29	30
Pepin	5	5	5	6	5	9	7	8	6	5	4
Pierce	25	30	20	22	27	27	31	19	27	16	21
Polk	40	42	35	28	38	47	40	46	35	39	35
Portage	67	54	66	59	75	77	84	68	71	66	52
Price	15	23	16	14	13	13	7	9	10	11	8
Racine	356	354	348	353	365	348	352	291	328	324	281
Richland	15	26	13	17	18	18	15	22	12	16	13
Rock	261	233	243	272	252	266	257	273	244	232	226
Rusk	17	35	19	26	13	27	12	21	17	14	20
St. Croix	47	39	47	48	42	50	55	46	31	41	43
Sauk	50	56	65	69	66	63	63	75	79	56	64
Sawyer	26	24	28	22	23	28	32	32	22	18	29
Shawano	50	50	44	49	43	45	38	43	42	35	42
Sheboygan	102	136	122	111	138	150	132	138	107	125	122
Taylor	23	20	10	16	19	21	17	20	17	17	17
Trempealeau	28	30	28	21	28	24	24	29	16	29	35
Vernon	15	20	21	27	25	29	36	21	29	22	20
Vilas	14	28	20	20	13	14	18	20	18	22	11
Walworth	85	90	96	93	109	112	100	114	93	103	118
Washburn	19	16	17	21	13	19	20	22	18	14	15
Washington	62	70	80	73	88	89	77	76	63	70	45
Waukesha	199	188	174	186	206	174	191	146	153	147	142
Waupaca	63	78	68	70	68	52	56	53	46	63	50
Waushara	31	38	38	27	29	35	24	34	34	37	27
Winnebago	150	134	139	183	142	158	157	141	129	136	137
Wood	88	87	120	106	79	82	93	98	62	58	68

Source: Resident birth certificates, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Numbers of births for 1996 reported here are slightly different from those published in the 1996 report because other states filed three duplicate records for Wisconsin teen residents. A dash (-) indicates there were no births in that category.

Definitions, Explanations of Terms, and Limitations of the Data

Teens. “Teens” in this report are females under 20 years of age. “Younger teens” are less than 18 years of age. “Older teens” are 18 to 19 years of age.

Race/Ethnicity Classifications. The Bureau of Health Information and Policy has reported maternal and child health data by race and ethnicity two different ways. The first presentation of data excludes persons of Hispanic/Latino ethnicity from any of the race categories and shows data for Hispanics/Latinos separately. Most of the tables and graphs in this report present the race/ethnicity data in this format. Table 11 includes Hispanics/Latinos within the racial categories.

Prior to 1994, Wisconsin birth reports included a racial category labeled “Indochinese.” Beginning in 1994, this category was redefined as “Laotian/Hmong” (who constituted approximately 95 percent of the Indochinese category). The remaining 5 percent of births in the Indochinese category were reallocated to the “Other” grouping; this includes Vietnamese, Cambodian, Thai, Chinese, Japanese, and East Indian.

Mortality.

Infant Deaths. The birth-death cohort is not completed until one full year after the end of the birth cohort calendar year. This publication reports mortality data on infants who died during 2004, rather than the mortality experience of the 2004 birth cohort, to allow more timely reporting on infant mortality.

Fetal Deaths. A fetal death or stillbirth is “a fetus which, after complete expulsion or extraction from the woman, does not breathe or show other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.” By Wisconsin statute, a stillbirth of at least 20 weeks’ gestation or 350 grams must be reported. Some 2004 stillbirths (fetal deaths) to Wisconsin residents are not included in this publication because some were less than 20 weeks’ gestation, some occurred outside Wisconsin, and an unknown number that occurred within the state were not reported. (Note: A fetal death report is not used for induced terminations of pregnancy.)

Limitations of the Data. Vital records information may have some limitations related to completeness, accuracy, and timeliness of registration, quality control procedures and classification problems. The reporting of live births and infant deaths is considered to be essentially complete for births occurring in Wisconsin. A cooperative exchange program between the states has been in operation for several decades to allocate birth and death certificates to the state of residence. Although this exchange program is not totally complete, the incompleteness is not of sufficient magnitude to seriously affect natality and infant mortality results.

Edit checks are incorporated in the software used for electronic transmission of birth certificate data, and the Vital Records Registration and Statistics Unit reviews birth certificates and death certificates for logical inconsistencies. Some errors remain after this review, but they are thought to have little, if any, effect on statistical results.