
BIRTHS TO TEENS IN WISCONSIN, 1997

This information has been assembled for Department of Health and Family Services staff dealing with teen pregnancy issues and their colleagues throughout the state. The material was compiled by Jan Silbaugh in the Vital Records Section of the Bureau of Health Information. To request additional copies, call 608-266-2838 or e-mail silbajl@dhfs.state.wi.us.

Bureau of Health Information
Division of Health Care Information
Department of Health and Family Services

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February 1999

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Editor's Note: As of September 28, 1998, the Bureau of Health Information was created as part of a reorganization of the Department of Health and Family Services. The new Bureau is part of the new Division of Health Care Financing in the Department of Health and Family Services. The Bureau of Health Information is comprised of the former Center for Health Statistics and the Office of Health Care Information.

Overview of Tables and Figures

Data on births to Wisconsin teens for 1997 and other relevant years are presented in two main sections: “Statewide Information” and “Local Information.” The data files used are: resident birth certificate file, matched infant birth-death file, fetal death file and the reported induced abortion publication. In this report, births are defined as live births. All data refer to Wisconsin residents unless otherwise noted.

All the information presented here is derived from data that appeared previously in reports from the Bureau of Health Information, Vital Records Section, with the exception of Table 11 (teen births by race and county of residence), and Table 13 (teen births by city of residence).

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.

Additional county-level data on teen births are available through AIM (the Assessment Information Manager) on the Department of Health and Family Services Web site located at <http://www.dhfs.state.wi.us/index.htm>.

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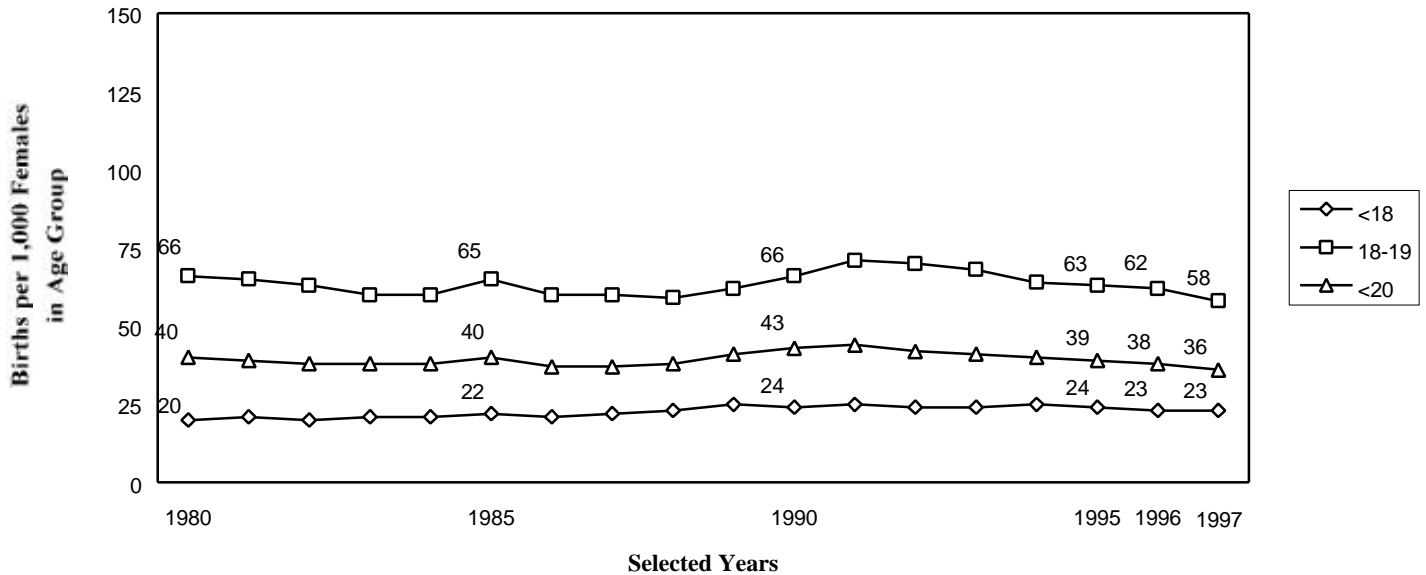
Table 1. Births to Teens by Age Group, 1970-1997

Year	Number of Teen 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	18-19	Total Births <20	<15	15-17	<18	18-19	<20
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

Sources: Wisconsin Bureau of Health Information, *Trends in Maternal and Child Health Statistics*, 1968-1988; *Maternal and Child Health Statistics*, 1989-1994; *Wisconsin Births and Infant Deaths*, 1995, 1996 and 1997.

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. Teen Birth Rates, Selected Years, 1980-1997



Sources: Wisconsin Bureau of Health Information, *Wisconsin Births and Infant Deaths* for the years 1995, 1996 and 1997.

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. Wisconsin and United States Age-Specific Teen Birth Rates, 1997

Age	Wisconsin Rate	U.S. Rate
15-19	36.3	52.9
15-17	22.5	32.6
18-19	58.5	84.4

Sources: Wisconsin Bureau of Health Information, *Wisconsin Births and Infant Deaths, 1997*. United States rates are from the *National Vital Statistics Report, Vol. 47, No. 4, 1998*.

Notes: Wisconsin rates shown for births to mothers aged 15-19 and 15-17 include 163 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 are the number of births per 1,000 females aged 15-19.

Table 2b. Wisconsin and United States Teen Birth Rates, 1980-1997

	1980	1990	1991	1992	1993	1994	1995	1996	1997
Wisconsin	40	42	44	42	41	39	38	37	35
United States	53	60	62	61	60	59	57	55	53

Sources: Wisconsin Bureau of Health Information, *Maternal and Child Health Statistics* for the years 1968-1988; *Public Health Profiles* for the years 1989-1994; *Births to Teens in Wisconsin, 1994*; *Wisconsin Births and Infant Deaths*, for the years 1995, 1996 and 1997. United States rates are from the *National Vital Statistics Report, Vol. 47, No. 4, 1997*. Hyattsville, Maryland, National Center for Health Statistics, 1998.

Notes: Rates are the number of births per 1,000 females aged 15-19. Wisconsin births for this table exclude births to mothers below age 15.

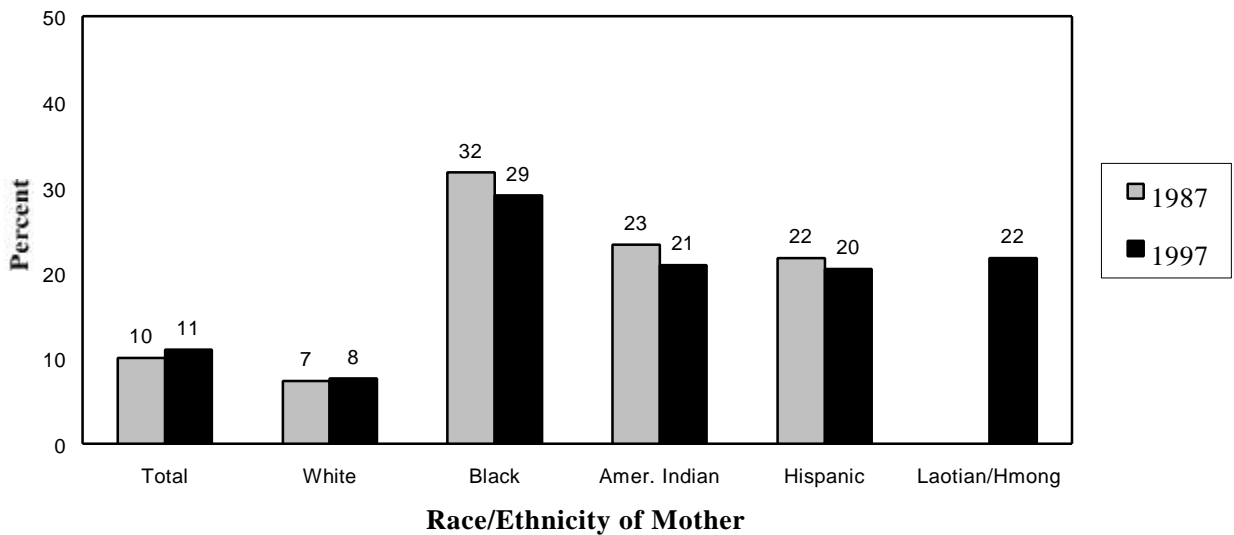
Table 3. Births to Teens by Age Group and Race/Ethnicity, Selected Years

Year	<18	18-19	<20	Birth Rate <20
1987				
White	1,352	3,089	4,441	27.2
Black	911	991	1,902	173.4
Amer. Indian	59	120	179	102.3
Hispanic, Any Race	116	154	270	68.1
1990				
White	1,208	3,252	4,460	29.6
Black	961	1,219	2,180	183.9
Amer. Indian	63	106	169	92.2
Hispanic, Any Race	151	254	405	91.5
1997				
White	1,351	2,809	4,160	24.7
Black	865	972	1,837	136.8
Amer. Indian	78	93	171	82.6
Hispanic, Any Race	268	384	652	106.5

Sources: Wisconsin Bureau of Health Information, *Maternal and Child Health Statistics* (selected years); *Wisconsin Births and Infant Deaths, 1997*.

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

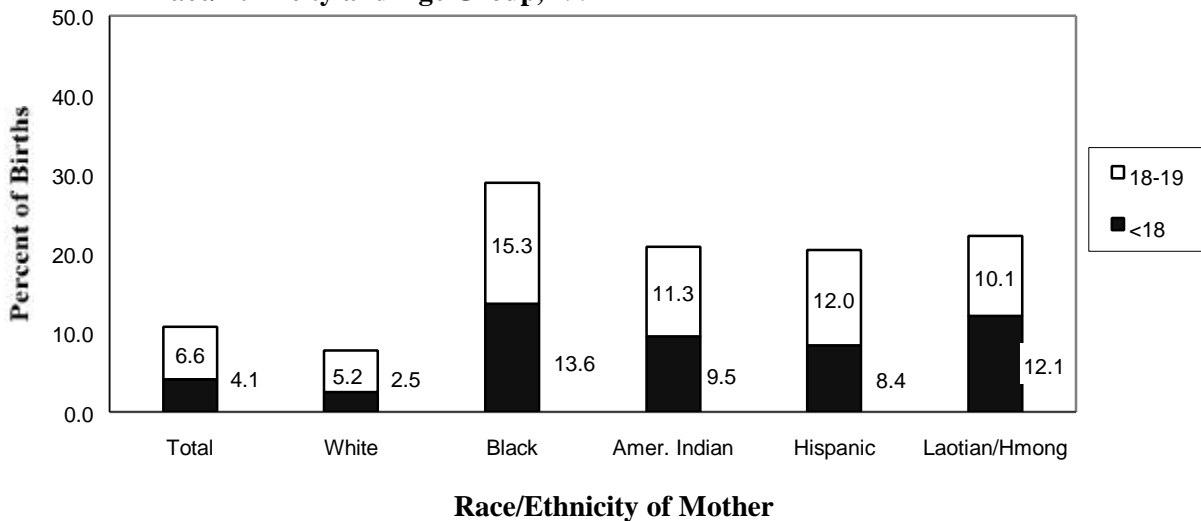
Figure 2. Births to Teens Under 20 as a Percent of All Births by Race/Ethnicity, 1987 and 1997



Source: Wisconsin Bureau of Health Information, *Wisconsin Births and Infant Deaths, 1997*.

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 race categories.) In 1997, 4% of births to mothers whose race/ethnicity was considered to be in the “other” category were to teens (not shown). There are no comparable 1987 data for the Laotian/Hmong or “other” group.

Figure 3. Births to Teens as a Percent of All Births by Race/Ethnicity and Age Group, 1997



Source: Wisconsin Bureau of Health Information, *Wisconsin Births and Infant Deaths, 1997*.

Note: 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, Selected Years

Marital Status	1987	1990	1993	1994	1995	1996	1997
Married							
Number	1,740	1,475	1,265	1,139	1,171	1,146	1,095
Percent	25.2%	19.9%	17.5%	16.2%	16.5%	16.1%	15.4%
Unmarried							
Number	5,168	5,934	5,967	5,897	5,937	5,957	5,993
Percent	74.8%	80.1%	82.5%	83.8%	83.5%	83.9%	84.6%
Teen Births	6,908	7,410	7,232	7,037	7,110	7,103	7,088

Sources: Wisconsin Bureau of Health Information, *Maternal and Child Health Statistics* (selected years); *Wisconsin Births and Infant Deaths* (1995, 1996 and 1997).

Note: Marital status was not reported for 1 birth in 1990 and 1994 and for 2 births in 1995.

Table 5. Teens Who Received First-Trimester Prenatal Care, by Age Group, 1986-1997

Year	Less than 18		18-19		Less than 20		All Births	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1987	1,342	54	2,736	62	4,078	59	58,882	83
1988	1,313	53	2,834	63	4,147	60	58,551	83
1989	1,399	55	2,855	61	4,254	59	58,564	81
1990	1,330	54	3,026	61	4,356	59	59,275	82
1991	1,402	54	3,018	63	4,420	60	58,705	81
1992	1,446	56	2,987	65	4,433	62	57,804	82
1993	1,527	57	2,973	65	4,500	62	57,251	82
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

Sources: Wisconsin Bureau of Health Information, *Maternal and Child Health Statistics* (selected years); *Wisconsin Births and Infant Deaths* (1995, 1996 and 1997).

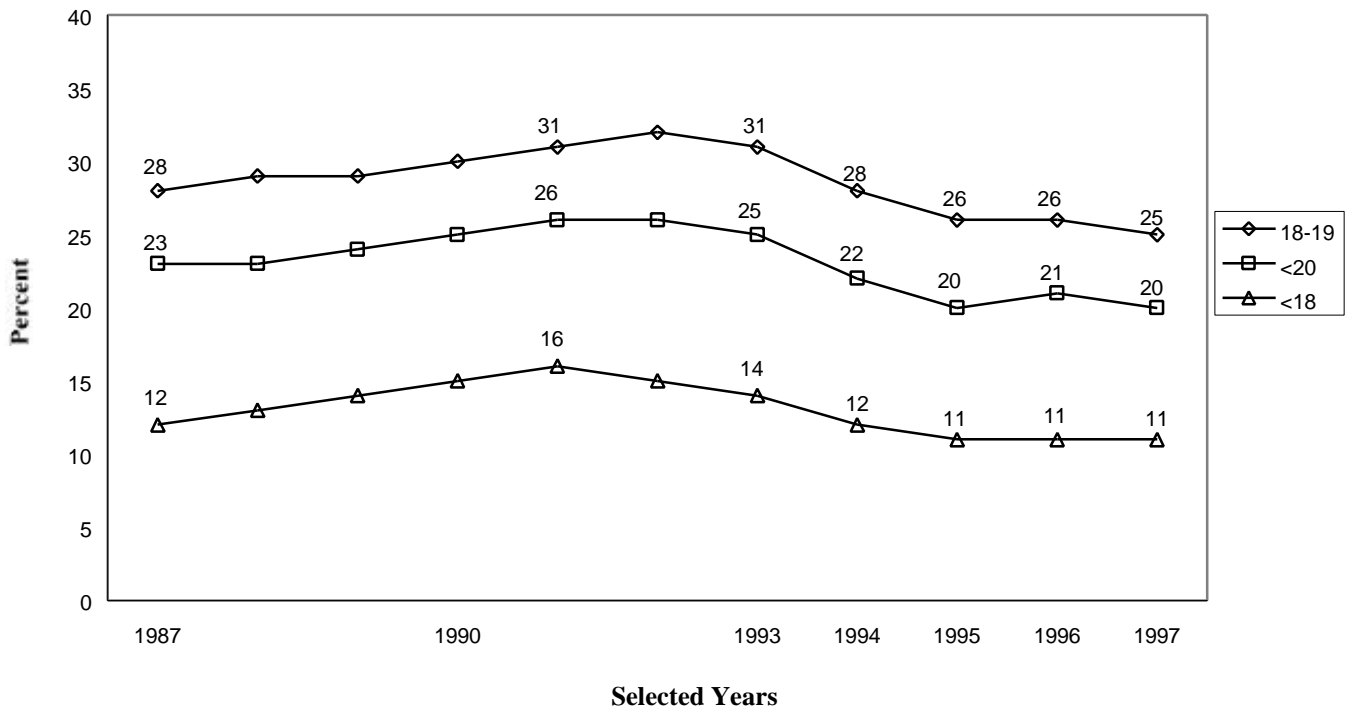
Table 6. Births to Teens That are Second Order or Higher by Age Group, Selected Years

Age Group	1987	1990	1993	1994	1995	1996	1997
Less than 18	301	372	368	322	307	289	295
18-19	1,254	1,492	1,407	1,212	1,130	1,179	1,097
Total <20	1,555	1,864	1,775	1,534	1,437	1,468	1,392

Sources: Wisconsin Bureau of Health Information, *Maternal and Child Statistics* (selected years); *Wisconsin Births and Infant Deaths* (1995, 1996 and 1997).

Notes: Birth order means order of present birth in relation to previous births. Birth order was not reported for 3 births to mothers 18-19 in 1987; for 1 birth to mothers <18 in 1990; for 5 births to mothers 18-19 in 1993; for 7 births to mothers 18-19 in 1994; for 3 births to mothers 18-19 in 1995; and for 1 birth to mothers <18 and 1 birth to mothers 18-19 in 1996.

Figure 4. Percent of Births to Teens That are Second Order or Higher by Age Group, Selected Years



Sources: Wisconsin Bureau of Health Information, *Maternal and Child Health Statistics* (selected years); *Wisconsin Births and Infant Deaths* (1995, 1996 and 1997).

Statewide Information

Table 7. Births to Teens by Age Group and Selected Characteristics, 1997

	<15	15-17	<18	18-19	<20	All Births All Ages
Total	163	2,541	2,704	4,384	7,088	66,490
Race/Ethnicity of Mother						
White	41	1,310	1,351	2,809	4,160	54,239
Black	90	775	865	972	1,837	6,366
Amer. Indian	4	74	78	93	171	822
Hispanic	19	249	268	384	652	3,206
Lao/Hmong	9	119	128	107	235	1,058
Other	-	14	14	19	33	796
Unknown	-	-	-	-	-	3
Education of Mother						
Elem. or Less	141	216	357	89	446	2,087
Some H.S.	21	2,176	2,197	1,823	4,020	8,575
H.S. Graduate	1	147	148	2,201	2,349	21,939
Some College	-	1	1	261	262	16,252
College Graduate	-	-	-	-	-	10,869
Post-Graduate	-	-	-	1	1	6,686
Unknown	-	1	1	9	10	82
Marital Status						
Married	-	211	211	884	1,095	47,606
Unmarried	163	2,330	2,493	3,500	5,993	18,884
Trimester Prenatal Care Began						
First	74	1,566	1,640	3,167	4,807	56,112
Second	54	752	806	958	1,764	8,147
Third	25	170	195	203	398	1,582
No Prenatal Care	10	51	61	46	107	531
Unknown	-	2	2	10	12	118
Number of Prenatal Care Visits						
No Visits	10	51	61	46	107	531
1-4	13	163	176	241	417	1,948
5-9	62	760	822	1,091	1,913	11,629
10-12	48	1,042	1,090	1,797	2,887	29,663
13+	29	515	544	1,191	1,735	22,505
Unknown	1	10	11	18	29	214
Birthweight						
<1,500 grams	2	62	64	71	135	794
1500-2,499 grams	22	204	226	309	535	3,468
2,500+ grams	139	2,275	2,414	4,004	6,418	62,215
Unknown	-	-	-	-	-	13
<2,500 grams	24	266	290	380	670	4,262

(Continued)

Statewide Information

Table 7. Births to Teens by Age Group and Selected Characteristics, 1997

	<15	15-17	<18	18-19	<20	All Births All Ages
Smoked During Pregnancy						
No	138	1,907	2,045	3,039	5,084	54,536
Yes	25	631	656	1,341	1,997	11,890
Unknown	-	3	3	4	7	64
Live Birth Order						
First	158	2,251	2,409	3,287	5,696	26,320
Second	5	262	267	869	1,136	21,654
Third	-	26	26	197	223	10,891
Fourth	-	2	2	26	28	4,249
Fifth or Higher	-	-	-	5	5	3,373
Unknown	-	-	-	-	-	3
Plurality						
Single Birth	161	2,514	2,675	4,320	6,995	64,670
Multiple Birth	2	27	29	64	93	1,820

Source: Wisconsin Bureau of Health Information, *Wisconsin Births and Infant Deaths, 1997*.

Notes: Included in the total of all births are 2 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.)

Table 8. Fetal, Neonatal, and Infant Deaths by Teen Age Group, 1997

	<15	15-17	<18	18-19	<20	All Deaths
Fetal Deaths						
Number	2	26	28	36	64	361
Rate	-	10.1	10.2	8.1	8.9	5.4
Neonatal Deaths						
Number	2	17	19	29	48	294
Rate	-	-	-	6.6	6.8	4.4
Infant deaths						
Number	3	26	29	52	81	431
Rate	-	10.2	10.7	11.9	11.4	6.5

Source: Wisconsin Bureau of Health Information, *Wisconsin Births and Infant Deaths, 1997*.

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, 1997

County	<15	15-17	<18	18-19	<20	All Births All Ages
Total	163	2,541	2,704	4,384	7,088	66,490
Adams	-	12	12	18	30	157
Ashland	-	7	7	22	29	202
Barron	-	12	12	48	60	463
Bayfield	-	7	7	10	17	147
Brown	7	100	107	171	278	3,051
Buffalo	-	2	2	5	7	143
Burnett	-	7	7	17	24	133
Calumet	1	6	7	16	23	452
Chippewa	2	22	24	46	70	638
Clark	-	11	11	28	39	470
Columbia	2	13	15	31	46	633
Crawford	1	7	8	14	22	182
Dane	5	115	120	208	328	5,023
Dodge	-	31	31	62	93	926
Door	1	6	7	18	25	218
Douglas	-	31	31	34	65	507
Dunn	2	11	13	31	44	466
Eau Claire	-	29	29	76	105	1,105
Florence	-	1	1	2	3	38
Fond du Lac	-	41	41	63	104	1,118
Forest	1	9	10	11	21	117
Grant	-	11	11	39	50	526
Green	-	10	10	14	24	370
Green Lake	1	6	7	17	24	216
Iowa	-	3	3	6	9	259
Iron	-	3	3	3	6	63
Jackson	-	7	7	17	24	211
Jefferson	-	34	34	42	76	914
Juneau	-	14	14	23	37	271
Kenosha	8	85	93	153	246	2,027
Kewaunee	-	6	6	9	15	228
La Crosse	-	32	32	72	104	1,327
Lafayette	-	2	2	4	6	159
Langlade	-	10	10	22	32	229
Lincoln	-	7	7	22	29	329
Manitowoc	1	21	22	60	82	902
Marathon	2	47	49	74	123	1,581
Marinette	1	14	15	30	45	424
Marquette	-	6	6	15	21	177
Menominee	1	6	7	14	21	95
Milwaukee	101	1,001	1,102	1,336	2,438	14,338
Monroe	-	19	19	31	50	511

(Continued)

Local Information

Table 9. Births to Teens by Age Group and County of Residence, 1997

County	<15	15-17	<18	18-19	<20	All Births All Ages
Oconto	-	12	12	25	37	347
Oneida	-	9	9	31	40	347
Outagamie	1	45	46	103	149	2,176
Ozaukee	-	10	10	18	28	860
Pepin	-	4	4	2	6	87
Pierce	-	4	4	18	22	344
Polk	-	9	9	19	28	415
Portage	2	19	21	38	59	759
Price	-	3	3	11	14	150
Racine	8	123	131	222	353	2,564
Richland	-	5	5	12	17	192
Rock	4	99	103	169	272	1,990
Rusk	-	15	15	11	26	162
St. Croix	-	15	15	33	48	758
Sauk	-	16	16	53	69	697
Sawyer	-	7	7	15	22	175
Shawano	-	16	16	33	49	438
Sheboygan	2	45	47	64	111	1,348
Taylor	-	4	4	12	16	198
Trempealeau	-	7	7	14	21	328
Vernon	-	11	11	16	27	347
Vilas	1	8	9	11	20	171
Walworth	1	42	43	50	93	1,019
Washburn	-	8	8	13	21	144
Washington	2	12	14	59	73	1,415
Waukesha	1	61	62	124	186	4,156
Waupaca	-	19	19	51	70	573
Waushara	1	10	11	16	27	236
Winnebago	3	52	55	128	183	1,826
Wood	-	27	27	79	106	922

Source: Wisconsin Bureau of Health Information, *Wisconsin Births and Infant Deaths, 1997*.

Notes: Included in the total column are 3 births for which age of mother was not reported. A dash (-) indicates that there were no events in that category.

Local Information

Table 10. Teen Birth Rates and Estimated Pregnancy Rates by Teen Age Group and County of Residence, 1997

County	Birth Rate			Pregnancy Rate		
	<18	18-19	<20	<18	18-19	<20
Total	22.5	58.5	36.3	31.6	80.3	50.3
Adams	-	-	-	-	-	62.1
Ashland	-	83.3	43.3	-	83.3	43.3
Barron	-	74.7	36.9	-	74.7	36.9
Bayfield	-	-	-	-	-	-
Brown	22.1	56.9	35.4	31.2	77.2	48.8
Buffalo	-	-	-	-	-	-
Burnett	-	-	49.3	-	-	49.3
Calumet	-	-	14.8	-	-	14.8
Chippewa	18.9	56.6	33.6	18.9	56.6	33.6
Clark	-	55.6	30.0	-	55.6	30.0
Columbia	-	46.5	26.1	23.8	70.5	41.4
Crawford	-	-	33.5	-	-	33.5
Dane	12.5	35.2	21.2	25.7	71.2	43.0
Dodge	16.7	54.1	31.0	24.8	64.6	40.0
Door	-	-	27.2	-	-	27.2
Douglas	31.3	59.1	41.5	31.3	59.1	41.5
Dunn	-	39.3	21.7	-	39.3	21.7
Eau Claire	10.3	44.5	23.1	10.3	44.5	23.1
Florence	-	-	-	-	-	-
Fond du Lac	18.0	42.5	27.6	21.9	56.7	35.6
Forest	-	-	61.2	-	-	61.2
Grant	-	48.4	24.6	-	68.2	35.9
Green	-	-	20.0	-	49.3	32.6
Green Lake	-	-	32.1	-	-	32.1
Iowa	-	-	-	-	-	-
Iron	-	-	-	-	-	-
Jackson	-	-	35.2	-	-	35.2
Jefferson	18.9	36.3	25.7	27.3	51.0	36.6
Juneau	-	72.1	43.4	-	75.2	44.6
Kenosha	30.0	76.5	48.3	43.9	117.1	72.6
Kewaunee	-	-	-	-	-	-
La Crosse	10.3	39.1	21.0	18.0	59.8	33.6
Lafayette	-	-	-	-	-	-
Langlade	-	66.9	41.9	-	66.9	41.9
Lincoln	-	50.9	26.7	-	50.9	26.7
Manitowoc	11.1	50.6	26.0	14.2	61.6	32.0
Marathon	16.1	40.5	25.3	23.7	52.1	34.4
Marinette	-	49.4	29.1	-	49.4	29.1
Marquette	-	-	44.2	-	-	44.2
Menominee	-	-	100.0	-	-	100.0
Milwaukee	53.3	104.9	73.0	70.1	150.2	100.7
Monroe	-	56.8	33.5	21.1	56.8	34.2

(Continued)

Local Information

Table 10. Teen Birth Rates and Estimated Pregnancy Rates by Teen Age Group and County of Residence, 1997

County	Birth Rate			Pregnancy Rate		
	<18	18-19	<20	<18	18-19	<20
Oconto	-	53.3	31.4	32.3	68.2	46.6
Oneida	-	75.8	36.3	-	75.8	36.3
Outagamie	12.7	46.4	25.5	20.7	66.2	38.0
Ozaukee	-	-	10.1	11.8	33.3	20.2
Pepin	-	-	-	-	-	-
Pierce	-	-	12.7	-	-	12.7
Polk	-	-	20.6	-	-	20.6
Portage	10.8	30.7	18.5	14.9	43.6	26.1
Price	-	-	-	-	-	-
Racine	30.6	83.7	50.9	42.8	107.8	67.7
Richland	-	-	-	-	-	-
Rock	31.1	83.1	50.9	40.2	103.8	64.4
Rusk	-	-	43.0	-	-	43.0
St. Croix	-	39.8	22.2	-	41.0	22.7
Sauk	-	73.8	36.5	20.5	83.6	44.4
Sawyer	-	-	41.4	-	-	41.4
Shawano	-	66.4	35.9	-	68.4	37.4
Sheboygan	18.8	41.2	27.4	28.0	54.8	38.2
Taylor	-	-	-	-	-	-
Trempealeau	-	-	23.2	-	-	23.2
Vernon	-	-	27.0	-	-	28.0
Vilas	-	-	39.1	-	-	39.1
Walworth	22.7	42.0	30.2	33.3	68.9	47.0
Washburn	-	-	41.2	-	-	41.2
Washington	-	37.2	18.0	11.3	56.7	29.1
Waukesha	8.2	25.1	14.9	16.6	41.7	26.6
Waupaca	-	71.9	37.7	23.6	87.4	48.0
Waushara	-	-	37.4	-	-	37.4
Winnebago	16.5	62.2	34.0	22.2	83.6	45.7
Wood	14.7	69.2	35.6	20.1	78.8	42.6

Sources: Wisconsin Bureau of Health Information population estimates; *Wisconsin Births and Infant Deaths, 1997*; and *Reported Induced Abortions in Wisconsin, 1997*.

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

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

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

The pregnancy rate is an estimate based on the number of live births, reported fetal deaths, and reported induced abortions. This underestimates the actual number of pregnancies because it does not include many miscarriages. 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, 1997

County	Total	<18			18-19			Total <20		
		White	Black	Other	White	Black	Other	White	Black	Other
Total	7,088	1,601	875	228	3,166	977	241	4,767	1,852	469
Adams	30	12	-	-	17	1	-	29	1	-
Ashland	29	5	-	2	18	-	4	23	-	6
Barron	60	11	-	1	47	-	1	58	-	2
Bayfield	17	5	-	2	8	-	2	13	-	4
Brown	278	78	6	23	134	7	30	212	13	53
Buffalo	7	2	-	-	5	-	-	7	-	-
Burnett	24	5	-	2	13	3	1	18	3	3
Calumet	23	7	-	-	15	-	1	22	-	1
Chippewa	70	22	-	2	45	-	1	67	-	3
Clark	39	11	-	-	28	-	-	39	-	-
Columbia	46	15	-	-	31	-	-	46	-	-
Crawford	22	7	-	1	14	-	-	21	-	1
Dane	328	63	40	17	145	53	10	208	93	27
Dodge	93	30	-	1	62	-	-	92	-	1
Door	25	7	-	-	17	-	1	24	-	1
Douglas	65	25	1	5	33	-	1	58	1	6
Dunn	44	11	1	1	29	-	2	40	1	3
Eau Claire	105	23	1	5	69	-	7	92	1	12
Florence	3	1	-	-	2	-	-	3	-	-
Fond du Lac	104	39	-	2	61	-	2	100	-	4
Forest	21	4	-	6	6	-	5	10	-	11
Grant	50	11	-	-	38	-	1	49	-	1
Green	24	10	-	-	14	-	-	24	-	-
Green Lake	24	6	-	1	15	1	1	21	1	2
Iowa	9	3	-	-	6	-	-	9	-	-
Iron	6	2	-	1	3	-	-	5	-	1
Jackson	24	6	-	1	14	-	3	20	-	4
Jefferson	76	34	-	-	42	-	-	76	-	-
Juneau	37	13	-	1	21	-	2	34	-	3
Kenosha	246	64	27	2	129	23	1	193	50	3
Kewaunee	15	6	-	-	9	-	-	15	-	-
La Crosse	104	19	4	9	58	3	11	77	7	20
Lafayette	6	2	-	-	4	-	-	6	-	-
Langlade	32	10	-	-	22	-	-	32	-	-
Lincoln	29	7	-	-	22	-	-	29	-	-
Manitowoc	82	18	-	4	56	-	4	74	-	8

(Continued)

Local Information

Table 11. Births to Teens by Age Group, Race of Mother and County of Residence, 1997

County	Total	<18			18-19			Total <20		
		White	Black	Other	White	Black	Other	White	Black	Other
Marathon	123	29	-	20	55	-	19	84	-	39
Marinette	45	15	-	-	30	-	-	45	-	-
Marquette	21	6	-	-	14	-	1	20	-	1
Menominee	21	-	-	7	1	-	13	1	-	20
Milwaukee	2,438	324	720	58	500	794	42	824	1,514	100
Monroe	50	19	-	-	31	-	-	50	-	-
Oconto	37	12	-	-	23	-	2	35	-	2
Oneida	40	8	-	1	30	-	1	38	-	2
Outagamie	149	30	1	15	96	-	7	126	1	22
Ozaukee	28	10	-	-	18	-	-	28	-	-
Pepin	6	4	-	-	2	-	-	6	-	-
Pierce	22	4	-	-	18	-	-	22	-	-
Polk	28	9	-	-	19	-	-	28	-	-
Portage	59	17	1	3	34	-	4	51	1	7
Price	14	3	-	-	11	-	-	14	-	-
Racine	353	78	52	1	152	65	5	230	117	6
Richland	17	5	-	-	12	-	-	17	-	-
Rock	272	79	20	4	150	19	-	229	39	4
Rusk	26	12	-	3	11	-	-	23	-	3
St. Croix	48	15	-	-	32	-	1	47	-	1
Sauk	69	14	1	1	49	-	4	63	1	5
Sawyer	22	2	-	5	7	-	8	9	-	13
Shawano	49	15	-	1	28	-	5	43	-	6
Sheboygan	111	38	-	9	52	1	11	90	1	20
Taylor	16	4	-	-	11	-	1	15	-	1
Trempealeau	21	7	-	-	14	-	-	21	-	-
Vernon	27	11	-	-	15	-	1	26	-	1
Vilas	20	5	-	4	6	-	5	11	-	9
Walworth	93	43	-	-	49	-	1	92	-	1
Washburn	21	7	-	1	12	-	1	19	-	2
Washington	73	14	-	-	59	-	-	73	-	-
Waukesha	186	61	-	1	122	2	-	183	2	1
Waupaca	70	19	-	-	50	-	1	69	-	1
Waushara	27	11	-	-	15	-	1	26	-	1
Winnebago	183	51	-	4	110	4	14	161	4	18
Wood	106	26	-	1	76	1	2	102	1	3

Note: Included in total is one birth for which race of mother was not reported. 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.

Local Information

Table 12. Births to Unmarried Teens by Age Group and County of Residence, 1997

County						All Nonmarital
	<15	15-17	<18	18-19	<20	Births
Total	163	2,330	2,493	3,500	5,993	18,884
Adams	-	9	9	16	25	63
Ashland	-	6	6	16	22	58
Barron	-	10	10	34	44	136
Bayfield	-	7	7	7	14	41
Brown	7	87	94	130	224	782
Buffalo	-	ns	ns	4	6	29
Burnett	-	7	7	10	17	52
Calumet	ns	6	7	12	19	65
Chippewa	ns	20	22	33	55	148
Clark	-	11	11	22	33	77
Columbia	ns	11	13	21	34	122
Crawford	ns	5	6	9	15	60
Dane	5	106	111	171	282	1,079
Dodge	-	31	31	40	71	202
Door	ns	6	7	13	20	56
Douglas	-	29	29	26	55	187
Dunn	ns	10	12	19	31	85
Eau Claire	-	23	23	55	78	263
Florence	-	ns	ns	ns	ns	2
Fond du Lac	-	39	39	49	88	288
Forest	ns	9	10	7	17	59
Grant	-	11	11	32	43	124
Green	-	9	9	12	21	83
Green Lake	ns	5	6	11	17	38
Iowa	-	ns	ns	4	7	49
Iron	-	ns	ns	ns	4	10
Jackson	-	6	6	12	18	57
Jefferson	-	28	28	22	50	160
Juneau	-	11	11	18	29	83
Kenosha	8	77	85	124	209	665
Kewaunee	-	6	6	8	14	38
La Crosse	-	26	26	48	74	264
Lafayette	-	ns	ns	ns	6	33
Langlade	-	8	8	18	26	70
Lincoln	-	7	7	15	22	75
Manitowoc	ns	19	20	47	67	214
Marathon	ns	29	31	32	63	279
Marinette	ns	11	12	21	33	91
Marquette	-	5	5	12	17	45
Menominee	ns	6	7	14	21	73
Milwaukee	101	957	1,058	1,225	2,283	7,035
Monroe	-	17	17	17	34	113

(Continued)

Local Information

Table 12. Births to Unmarried Teens by Age Group and County of Residence, 1997

County	<15	15-17	<18	18-19	<20	All Nonmarital Births
Oconto	-	11	11	20	31	90
Oneida	-	6	6	20	26	77
Outagamie	ns	38	39	69	108	355
Ozaukee	-	9	9	14	23	83
Pepin	-	ns	ns	ns	4	8
Pierce	-	ns	ns	17	21	76
Polk	-	9	9	14	23	100
Portage	ns	15	17	26	43	115
Price	-	ns	ns	8	11	34
Racine	8	115	123	188	311	897
Richland	-	5	5	11	16	46
Rock	ns	94	98	137	235	656
Rusk	-	14	14	8	22	51
St. Croix	-	15	15	26	41	129
Sauk	-	13	13	31	44	141
Sawyer	-	7	7	15	22	65
Shawano	-	12	12	28	40	115
Sheboygan	ns	38	40	41	81	263
Taylor	-	ns	ns	9	13	39
Trempealeau	-	7	7	12	19	85
Vernon	-	11	11	12	23	65
Vilas	ns	7	8	10	18	59
Walworth	ns	36	37	38	75	234
Washburn	-	7	7	10	17	50
Washington	ns	12	14	49	63	216
Waukesha	ns	58	59	100	159	513
Waupaca	-	17	17	36	53	144
Waushara	ns	8	9	10	19	59
Winnebago	ns	47	50	89	139	416
Wood	-	24	24	60	84	250

Source: Wisconsin Bureau of Health Information, *Wisconsin Births and Infant Deaths, 1997*.

Notes: A dash (-) indicates that there were no births to unmarried women in this age group.

An "ns" indicates that births to unmarried women are not shown; at least one, but fewer than five, total births (married or unmarried) occurred in the age group (see Table 9).

Local Information

Table 13. Births by Teen Age Group and Selected City of Residence, 1997

City	<15	15-17	<18	18-19	<20	All Births
Appleton	-	32	32	67	99	1,113
Beloit	2	49	51	72	123	590
Eau Claire	-	24	24	56	80	731
Fond du Lac	-	22	22	40	62	561
Green Bay	7	67	74	127	201	1,672
Janesville	2	25	30	64	94	838
Kenosha	7	79	86	137	223	1,647
La Crosse	-	25	25	48	73	669
Madison	4	80	84	131	215	2,655
Manitowoc	1	15	16	43	59	425
Mequon/Thiensville	-	3	3	1	4	225
Milwaukee	97	950	1,047	1,195	2,242	10,759
Neenah/Menasha	3	15	18	55	73	615
Oshkosh	-	28	28	57	85	776
Racine	7	98	105	164	269	1,538
Sheboygan	2	23	25	41	66	702
Stevens Point	1	10	11	18	29	312
Superior	-	25	25	27	52	361
Watertown	-	16	16	12	28	271
Waukesha	1	26	27	48	75	963
Wausau	2	27	29	33	62	560
West Bend	-	7	7	22	29	416

Source: Wisconsin Bureau of Health Information, resident birth certificates.

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 (formerly Center for Health Statistics) has reported maternal and child health data by race and ethnicity two different ways. The first presentation of data excludes persons of Hispanic ethnicity from any of the race categories and shows data for Hispanics separately. Most of the tables and graphs in this report present the race/ethnicity data in this format. Table 11 includes Hispanics within the racial categories. (Most Hispanics in Wisconsin report their race as white.)

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 1997, rather than the mortality experience of the 1997 birth cohort, to allow more timely reporting on infant mortality.

Fetal Deaths. Fetal death is defined as “death prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord or definite movement of voluntary muscles.” Only fetal deaths of at least 20 weeks gestation or 350 grams must be reported in Wisconsin. A fetal death report is not used for induced abortions. Some 1997 fetal deaths are not reported due to occurrences to Wisconsin residents outside the state and under-reporting within the state.

Limitations of the Data. Vital records information has 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 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.