

Wisconsin Births and Infant Deaths 1995

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Center for Health Statistics
Division of Health
Department of Health and Family Services

Introduction

This report presents information about births to Wisconsin residents that occurred in 1995. Information from previous years is also presented to show changes over time. Included is information on the number and rate of births; demographic characteristics of the mother such as age, race, marital status, education and number of other children; characteristics of pregnancy and delivery, including the trimester that prenatal care began, number of visits, and whether the mother smoked during pregnancy; and birthweight of the newborn. Also presented is similar information about infants who died before their first birthday and fetuses more than 20 weeks of gestation who were stillborn.

The indicators included in this report have been selected based on their availability from birth and infant death records and their use in identifying health risks, as determined by national and international studies. The data files used are: resident birth certificate file, matched birth-death file, and fetal death file. Tables and graphics were designed to make indicators easily accessible while allowing users flexibility. Most tables include the frequencies of events or conditions, along with percentages or rates.

Chapter 69 of the Wisconsin Statutes mandates the Department of Health and Family Services to supervise and direct the collection of birth data from hospitals and birth attendants. The specific data items collected are agreed upon by states in conjunction with the National Center for Health Statistics. A sample of the birth record is included in the Technical Notes (page 69).

The Center for Health Statistics is changing the ways in which it disseminates information. *Wisconsin Births and Infant Deaths 1995* contains information previously reported in *Maternal and Child Health Statistics* and the natality and infant mortality sections of *Vital Statistics*. The crosswalk on page 71 provides guidance on locating information in this report compared with previous reports.

The Center will also develop in-depth analyses of infant health issues for publication in *Wisconsin Health Review*, a new quarterly publication of the Division of Health. Birth, death, hospitalization and other health-related information is also available on the Internet through the Department's Home Page, at www.dhfs.state.wi.us.

The Center acknowledges and thanks the Wisconsin hospitals and birth attendants who contributed birth information, and their counterparts in neighboring states who submitted out-of-state birth data for Wisconsin residents.

The Department of Health and Family Services produced this publication. Staff of the Vital Records and Statistics Unit, Center for Health Statistics, collected and compiled the birth, infant death and fetal death records. Constance Stevens and Jan Silbaugh prepared the report. Word processing and page layout were provided by Angela Bethel. Yvonne Brandreth provided population estimates used in calculating rates. The report was prepared under the supervision of Mary Erikson, Section Chief, Health Data Analysis Section.

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Key Findings

- In 1995, there were 67,493 live births to Wisconsin residents, 774 fewer than in 1994. This marked the fifth consecutive year in which the number of births to Wisconsin residents declined.
- The 1995 crude birth rate was 13.2 births per 1,000 population, the lowest rate in 85 years of reporting Wisconsin birth rates. The 1995 U.S. crude birth rate was 14.8 per 1,000 population.
- The 1995 general fertility rate of 58.9 births per 1,000 Wisconsin women ages 15-44 was lower than the U.S. general fertility rate of 65.6.
- For 15-19-year-olds, the fertility rate (births per 1,000 females within this age group) has decreased each year for the past four years and is generally two-thirds the national rate.
- Wisconsin age-specific fertility rates are also lower than the national rates for women ages 20-24 and women 35 and older, while fertility rates among Wisconsin women ages 25-35 are slightly higher than national rates.
- The percent of births to women ages 18-29 decreased from 1985 to 1995; the percent of births to teens less than 18 years old and women ages 30 and older increased.
- More births were to unmarried mothers in 1995 (27%) than in 1985 (18%); the proportion increased in each racial/ethnic group. The Wisconsin percent of unmarried mothers is lower than the national percent (27% versus 32%). Compared to their national counterparts, however, Wisconsin black and Hispanic mothers are more likely to be unmarried.
- In both 1995 and 1985, 16 percent of women giving birth had less than a high school education. Fifty percent of women who gave birth in 1995 had one year of college or more; the comparable percentage in 1985 was 38 percent.
- While the overall proportion of women who received first-trimester prenatal care remained roughly stable from 1985 to 1995, the proportion increased among teenagers, among women ages 40 and over, and within each racial/ethnic group.
- A higher percentage of Wisconsin women than women nationally received first-trimester prenatal care in 1995 (83% Wisconsin, 81% U.S.).
- Since 1992, the proportion of women who smoked during pregnancy has decreased almost 3 percentage points.
- In Wisconsin, 4,066 infants weighed less than 2,500 grams (about 5.5 pounds) at birth, representing 6.0 percent of all births in 1995, a decrease from 6.4 percent in 1994. In 1995, 7.3 percent of infants born in the U.S. weighed less than 2,500 grams at birth.
- In Wisconsin, 493 infants (under age one) died in 1995, for an infant mortality rate of 7.3 deaths per 1,000 live births. The 1995 U.S. preliminary infant mortality rate was 7.5 infant deaths per 1,000 live births.

Overview of Table and Figures

Data for 1995 and other relevant years are presented in three main sections: Statewide, Local and Regional, and Supplementary Tables. In this report, births are defined as live births. All data refer to Wisconsin residents unless otherwise noted.

The Local and Regional section contains information at various community levels: counties, selected cities, and Department of Health and Family Services and perinatal regions. (See Technical Notes for maps of the regions, pages 67 and 68.) For comparison purposes, some tables show data from previous years.

All 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.

Birth and Fertility Rates: Statewide. This section covers information on the number of Wisconsin births, crude birth rates and general fertility rates for Wisconsin and the nation, and changes in age-specific fertility rates.

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Birth and Fertility Rates: Local and Regional. In addition to the information that was presented at the statewide level, this section includes population figures, the number of home births and the number of births by hospital of occurrence. (The latter is the only data which includes out-of-state births).

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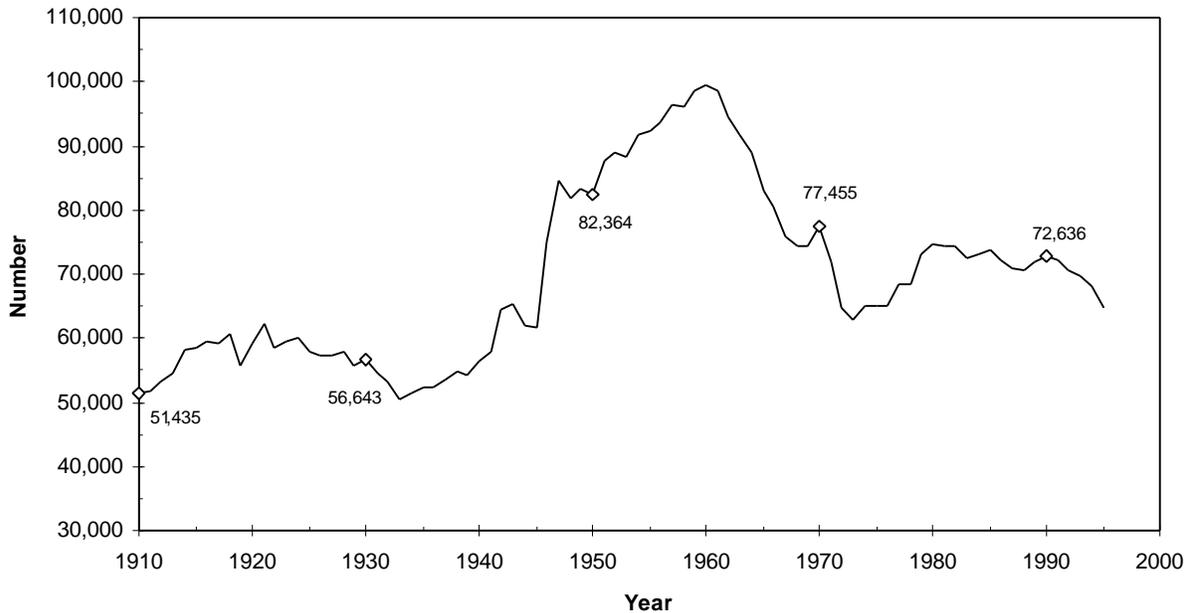
Supplementary Tables. This section provides more detailed statewide information that augments data in the statewide section. Numbers and percents were calculated for approximately ten factors associated with three important variables related to infant health (age of mother, race/ethnicity of mother and birthweight of the newborn). Numbers, percents and rates of fetal, neonatal and infant deaths were also calculated for various factors.

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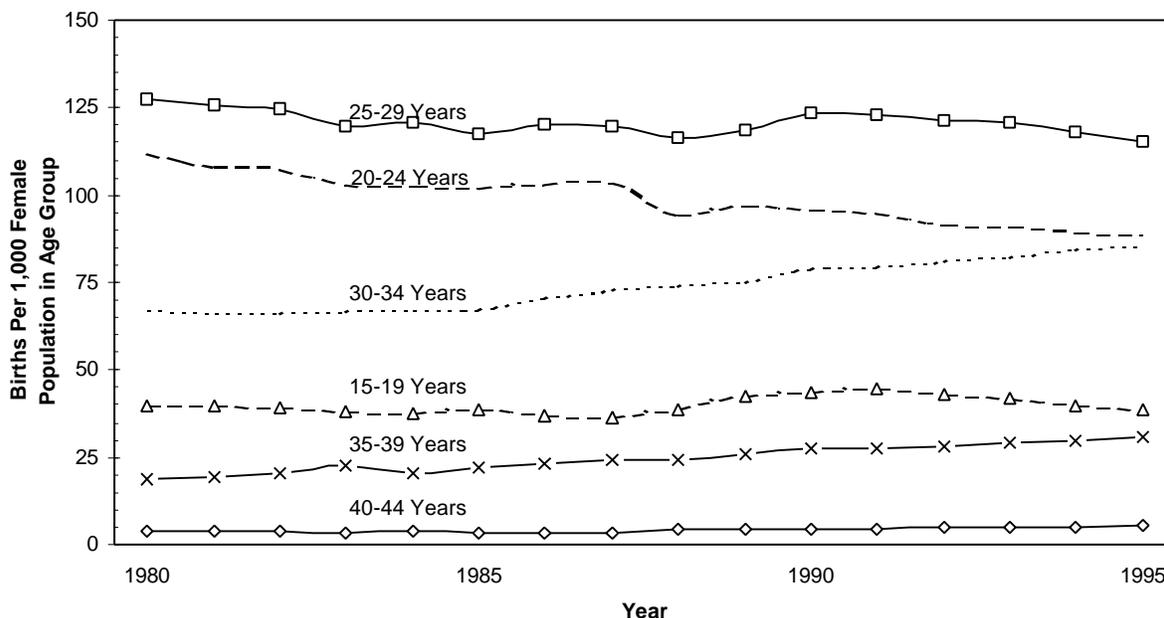
Figure 1. Number of Births to Wisconsin Residents, 1910-1995



Note: A live birth is the complete expulsion or extraction of an infant from its mother, irrespective of the duration of pregnancy, after which the infant breathes or shows other evidence of life, such as beating of the heart, pulsation of the umbilical cord or definite movement of voluntary muscles. Unless otherwise noted, births presented in this report are live births to Wisconsin residents.

- In 1995, there were 67,493 births to Wisconsin residents, 774 fewer than in 1994.
- 1995 marked the fifth consecutive year in which the number of births to Wisconsin residents declined.
- The 1995 crude birth rate was 13.2 births per 1,000 population, the lowest rate in 85 years of reporting Wisconsin birth rates. The 1995 U.S. crude birth rate was 14.8 per 1,000 population.
- The 1995 general fertility rate of 58.9 births per 1,000 Wisconsin women ages 15-44 was lower than the U.S. general fertility rate of 65.6.

Figure 2. Age-Specific Fertility Rates, 1980-1995



Note: The 15-19 fertility rate is based on that age-specific population but includes births to mothers less than 15. The 40-44 fertility rate is based on that age-specific population but includes births to mothers 45 and older.

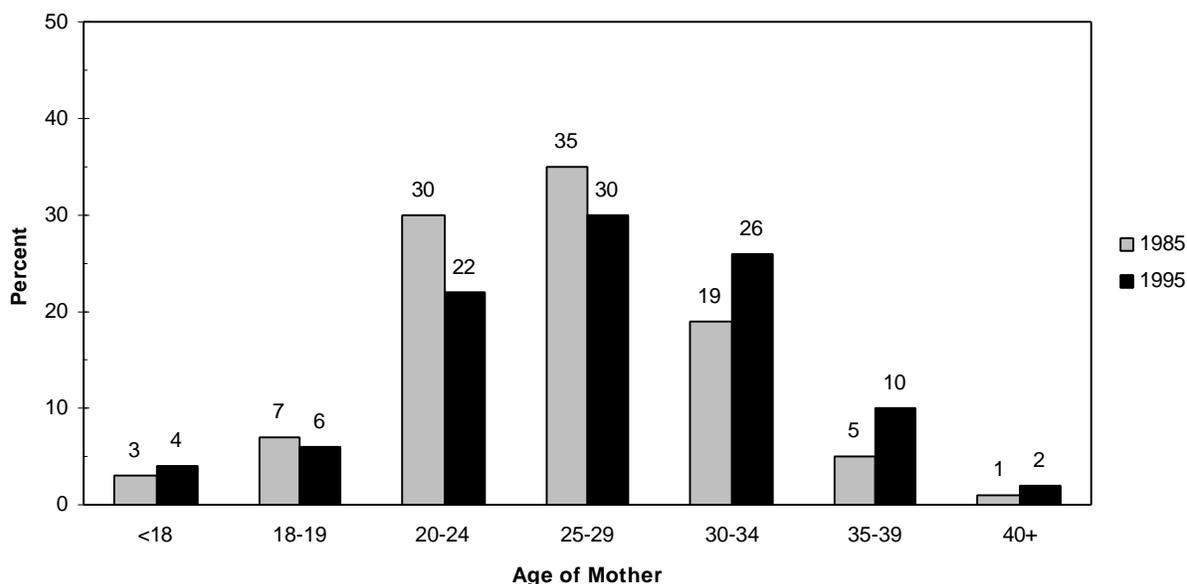
- Age-specific fertility rates (number of births to a specific age group per 1,000 females in the same age group) for 1995 were:

Age	Rate	Age	Rate
15-19	38.8	25-29	115.4
15-17	24.1	30-34	85.4
18-19	62.7	35-39	30.7
20-24	88.7	40-44	5.4

Note: 15-19 and 15-17 rates include 182 births to mothers less than 15; the 40-44 rate includes 48 births to mothers 45 or older.

- Compared to 1980, age-specific fertility rates in 1995 were:
 - ◆ Unchanged for teens, women ages 25-29, and women ages 40-44,
 - ◆ Lower for women ages 20-24, and
 - ◆ Higher for women ages 30-34 and 35-39.
- For women ages 20-24, the fertility rate has fallen to 89 per 1,000 from a high of 104 per 1,000 in 1987.
- For 15-19-year-olds, the fertility rate has decreased each year for the past four years.
- Wisconsin age-specific fertility rates are lower than the national rates for teens, women ages 20-24 and women 35 and older. Fertility rates among Wisconsin women ages 25-35 are slightly higher than national rates.

Figure 3. Percent of All Births by Age of Mother, 1985 and 1995



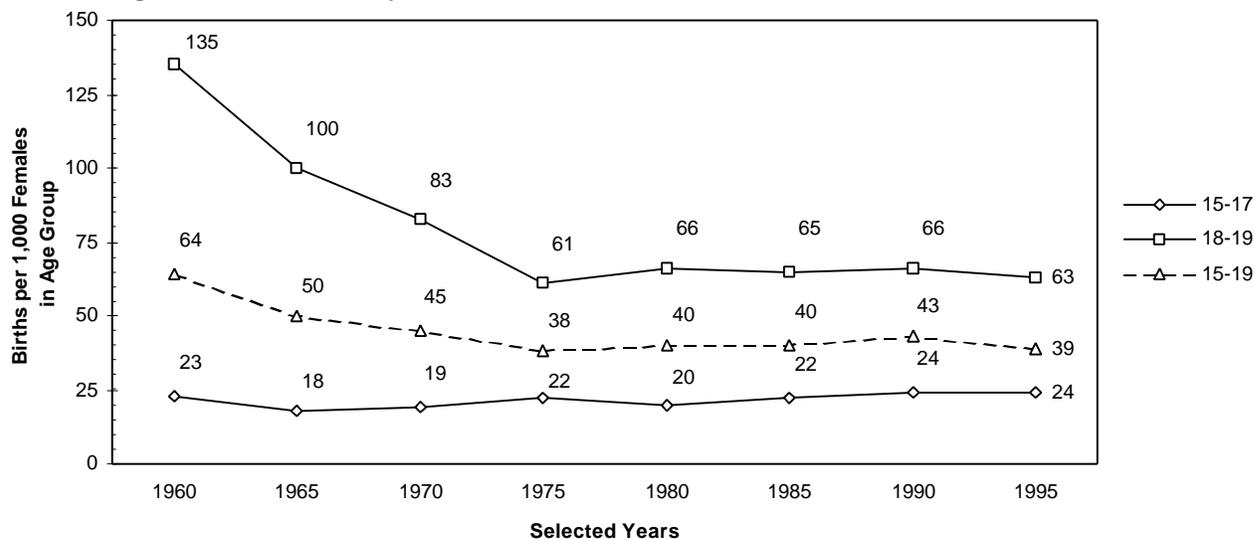
Note: For detailed information on 1995 births by age of mother, see Supplementary Tables A1 and A2, pages 59 and 60.

Births in 1995 included:

- 182 births to teens less than 15 years old
- 2,549 births to teens 15-17 years old
- 4,379 births to teens 18-19 years old
- 14,874 births to women ages 20-24
- 20,374 births to women ages 25-29
- 17,442 births to women ages 30-34
- 6,612 births to women ages 35-39
- 1,026 births to women ages 40-44
- 48 births to women ages 45 or older
- (7 births to women with unreported age).

- The percent of births to women ages 18-29 decreased from 1985 to 1995; the percent of births to teens less than 18 years old and women ages 30 and older increased.
- Older mothers were more likely to have twins or other multiple births. The highest percentage of multiple births occurred among women 35-39 (3.7%); mothers less than 20 years old had the lowest percentage of multiple births (1.7%).

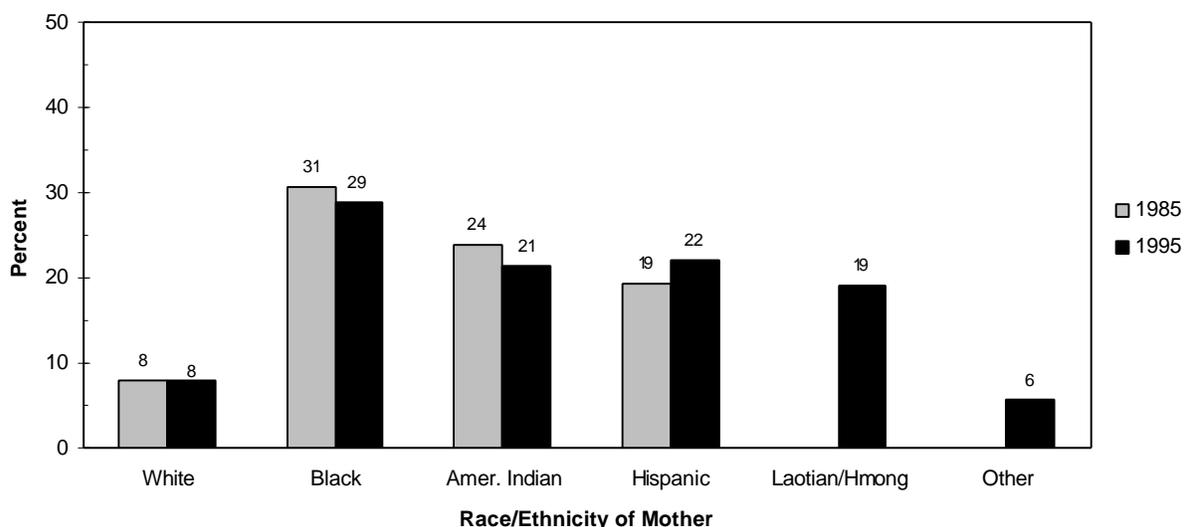
Figure 4. Teen Fertility Rates, Selected Years, 1960-1995



Note: The 15-17 and 15-19 fertility rates are based on these age-specific populations but include births to mothers less than 15.

- Fertility rates for older teens (18-19 years old) dropped dramatically during the 1960s and early 1970s and have been fairly stable since the mid-1980s. The fertility rate for older teens in 1995 is less than half the 1960 rate.
- In contrast, the 1995 and 1960 fertility rates for younger teens are almost identical.
- The Wisconsin fertility rate among 15-19-year-old teens is generally two-thirds the national rate.

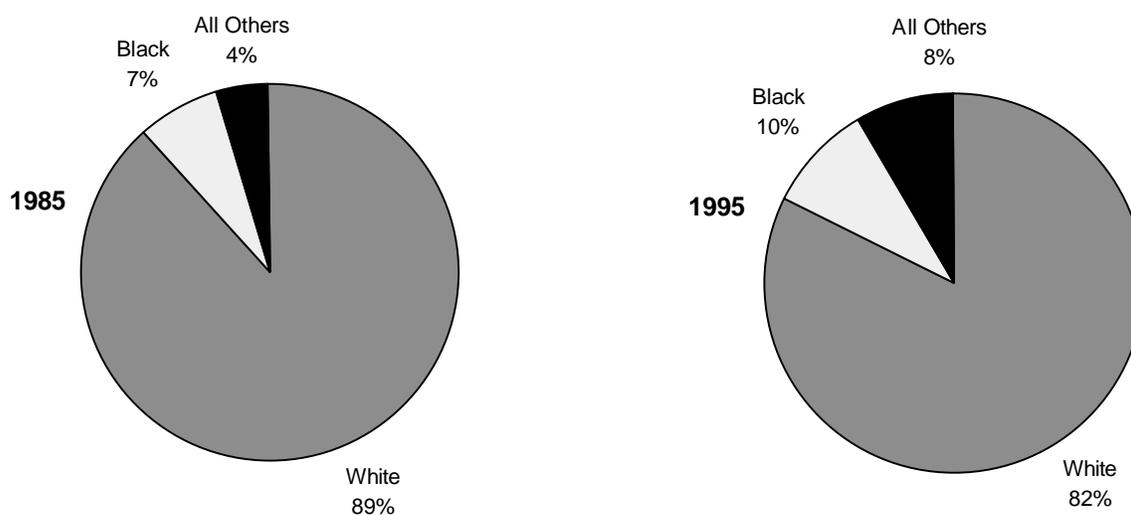
Figure 5. Births to Teens as a Percent of Total Births, by Race/Ethnicity, 1985 and 1995



Note: See Technical Notes for full definitions of race/ethnic categories. There are no comparable 1985 data for the Laotian/Hmong or Other groups.

- The percent of births to teens varies considerably by racial/ethnic groups. Within each racial/ethnic category, however, the percent of births to teens has been fairly stable for the past decade.

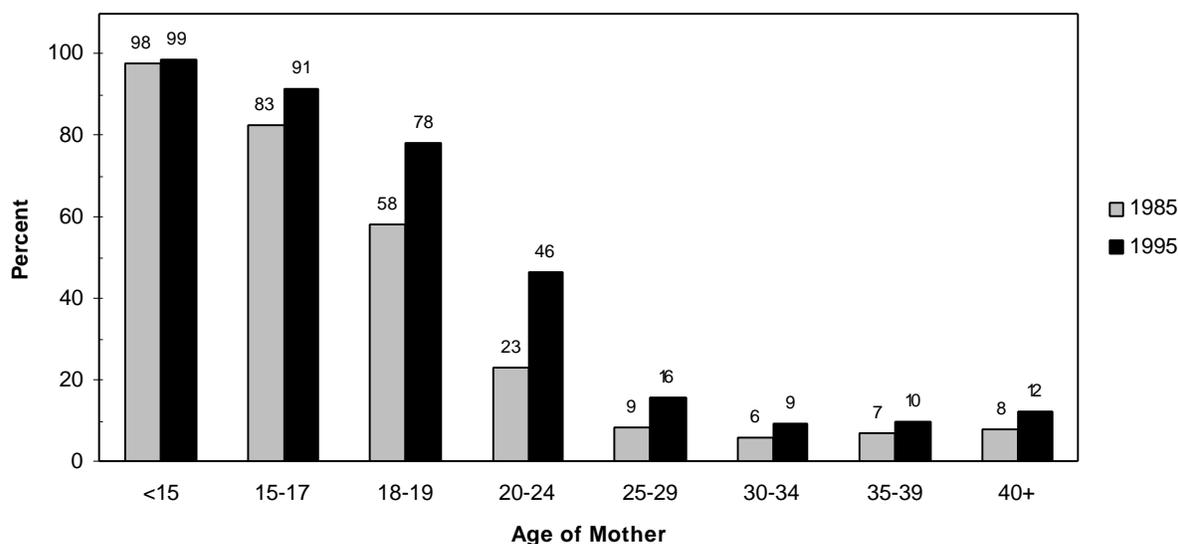
Figure 6. Percent of Births by Race of Mother, 1985 and 1995



Note: See Technical Notes for full definitions of race/ethnic categories. For detailed information on 1995 births by race of mother, see Supplementary Tables B1 and B2, pages 61 and 62.

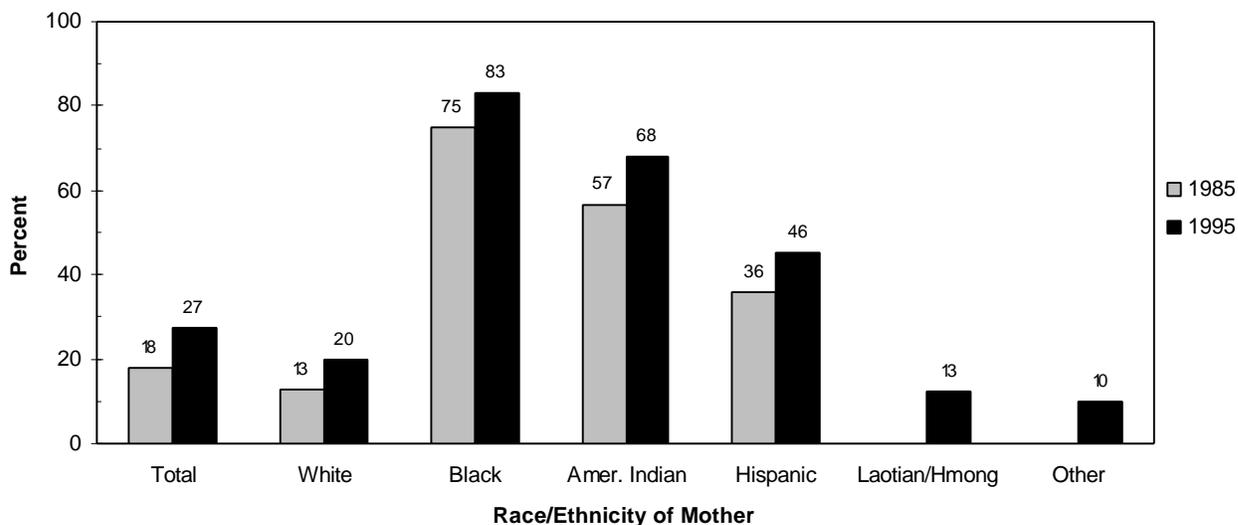
- In 1995, 55,404 births (82%) were to non-Hispanic white women. This percentage continues a gradual decline that began over 30 years ago.
- 6,480 births (9.6%) were to non-Hispanic black women. The percent of births to black women declined for the third consecutive year after peaking at 10.3% of births in 1992.
- 835 births (1.2%) were to American Indian women. This proportion has been stable for the past decade.
- 2,856 births (4.2%) were to Hispanic women. Since 1985, this group has represented an increasing proportion of births. In 1985, 1.5% of births were to Hispanic women.
- 1,162 births (1.7%) were to Laotian/Hmong women. Fourth or higher order births represented more than half of births to Laotian/Hmong women (57.6%).
- An additional 734 births (1 %) were to women in other racial groups.

Figure 7. Percent of Births to Unmarried Mothers, by Age, 1985 and 1995



- In general, the percent of mothers who are married increases with age. Only 22 percent of 18-19-year-olds giving birth in 1995 were married, compared with 91 percent of 30-34-year-olds.
- Ages 18 to 24 had the largest percentage increases in births to unmarried mothers from 1985 to 1995.

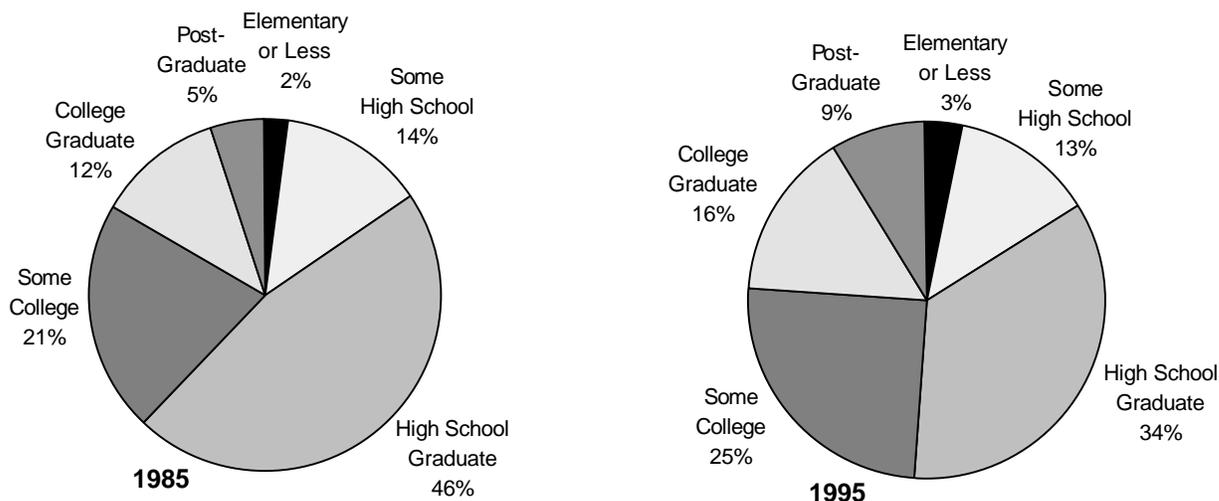
Figure 8. Percent of Births to Unmarried Mothers, by Race/Ethnicity, 1985 and 1995



Note: See Technical Notes for full definitions of race/ethnic categories. There are no comparable 1985 data for the Laotian/Hmong or Other groups.

- More births were to unmarried mothers in 1995 (27%) than in 1985 (18%). The percent of nonmarital births increased in each racial/ethnic group.
- The Wisconsin percent of unmarried mothers is lower than the national percent (27% versus 32%). Compared to their national counterparts, however, Wisconsin black and Hispanic mothers are more likely to be unmarried.

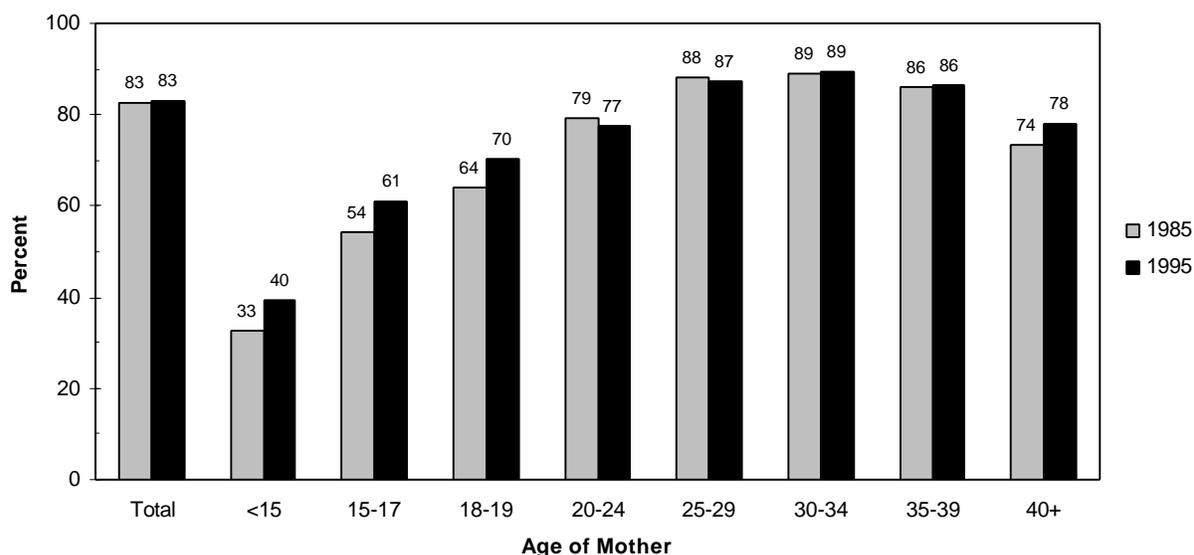
Figure 9. Percent of Births by Education of Mother, 1985 and 1995



Note: “Some High School” or “Some College” means the mother completed at least one year of schooling at that level. For detailed information on 1995 births by education of mother, see Supplementary Tables A to C, pages 59 to 63.

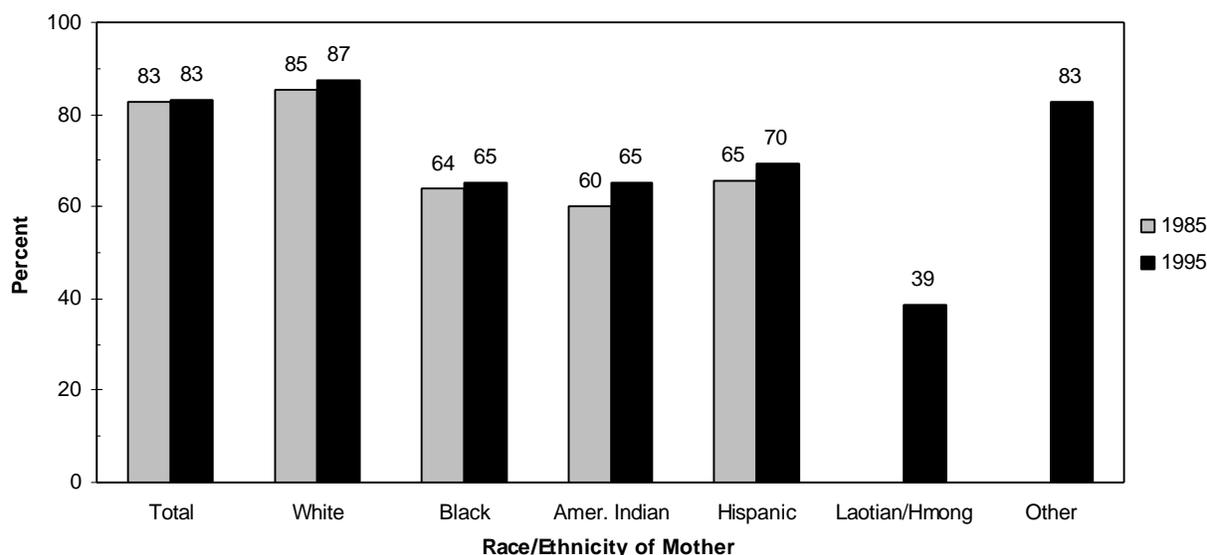
- In both 1995 and 1985, 16 percent of women giving birth had not finished high school. This proportion varied by age, so that the percentage with less than a high school education in 1995 was:
 - 94 percent among mothers <18
 - 45 percent among mothers 18-19
 - 21 percent among mothers 20-24
 - 8 percent among mothers 25-29
 - 6 percent among mothers 30-34
 - 7 percent among mothers 35-39
 - 14 percent among mothers 40 or older.
- On average, mothers in minority racial/ethnic groups were less likely to have completed high school. In 1995, the proportion of births to women with less than a high school education was:
 - 10 percent among whites
 - 45 percent among blacks
 - 33 percent among American Indians
 - 51 percent among Hispanics
 - 72 percent among Laotian/Hmong
 - 11 percent among other racial/ethnic groups.
- Fifty percent of women who gave birth in 1995 had one year of college or more. The comparable percentage in 1985 was 38 percent.

Figure 10. Percent of Births to Women Who Received First-Trimester Prenatal Care, by Age, 1985 and 1995



- While the overall proportion of women receiving first-trimester prenatal care remained roughly stable from 1985 to 1995, the proportion increased in each of the teenaged groups and for women ages 40 and over.
- Compared to the nation, a higher percentage of Wisconsin women received first-trimester prenatal care in 1995 (81% U.S. versus 83% Wisconsin).

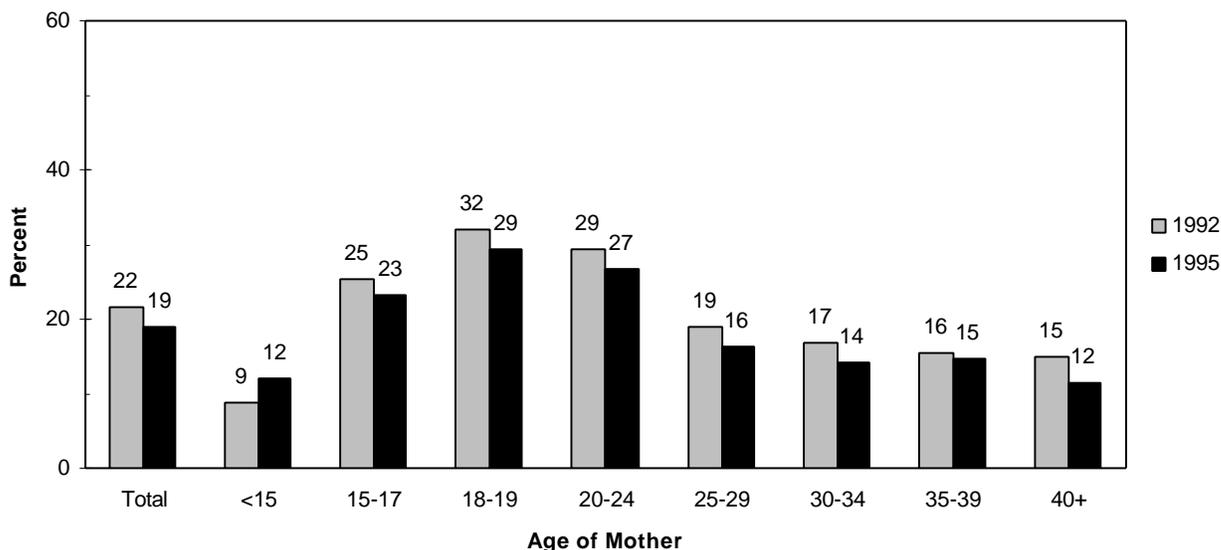
Figure 11. Percent of Births to Women Who Received First-Trimester Prenatal Care, by Race/Ethnicity, 1985 and 1995



Note: See Technical Notes for full definitions of race/ethnic categories. There are no comparable 1985 data for the Laotian/Hmong or Other groups.

- The proportion of women receiving first-trimester care also increased within each racial/ethnic group.

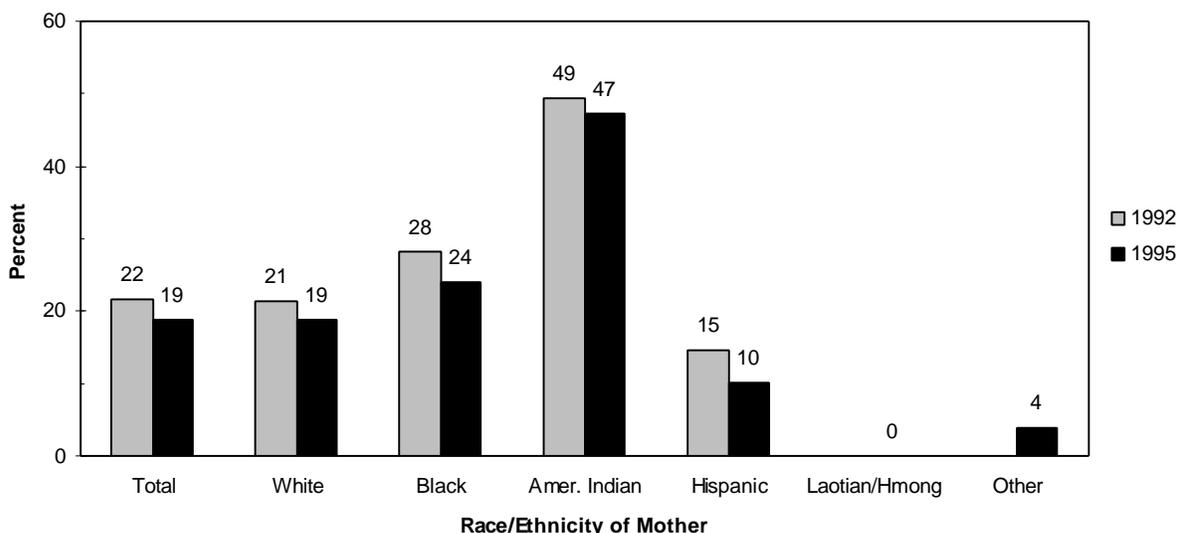
Figure 12. Percent of Births to Mothers Who Smoked Cigarettes During Pregnancy, by Age, 1992 and 1995



Note : Smoking behavior was introduced on the 1989 birth certificate. By 1992, this information was considered well recorded and edited to be included in the annual reports. For detailed information on 1995 births by smoking behavior during pregnancy, see Supplementary Tables A1 and A2, pages 59 and 60.

- Smoking during pregnancy poses risks for fetal development and infant health. Maternal smoking is associated with low birthweight in two ways: it slows fetal growth during gestation and increases the risk of a premature birth.
- Since 1992, the proportion of women who smoked during pregnancy has decreased almost 3 percentage points.
- The proportion of women who smoked during pregnancy declined in all maternal age groups except the youngest (mothers under 15 years of age).

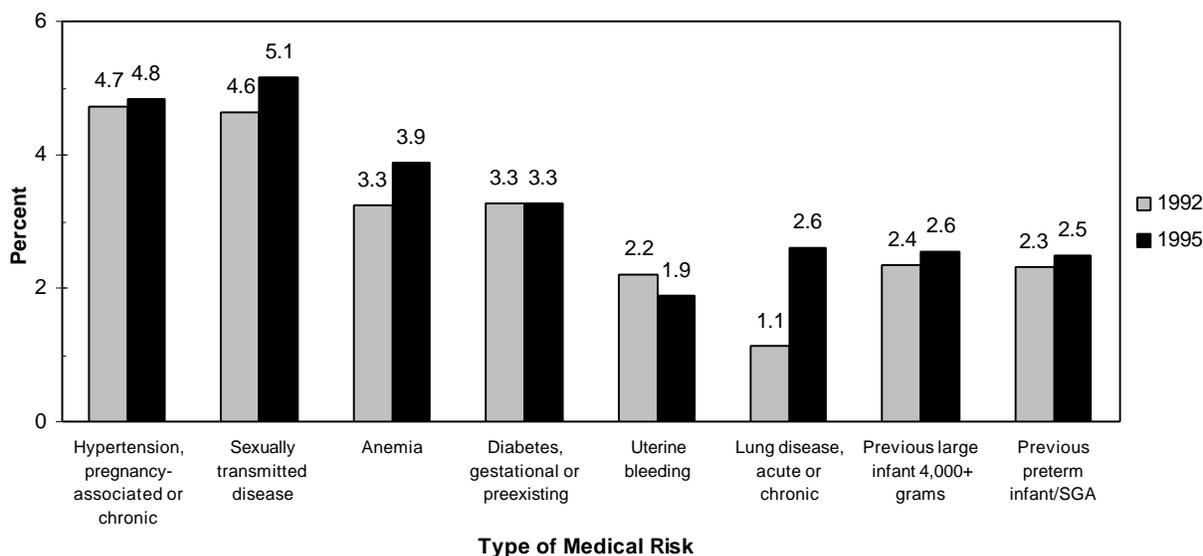
Figure 13. Percent of Births to Mothers Who Smoked Cigarettes During Pregnancy, by Race/Ethnicity, 1992 and 1995



Note: See Technical Notes for full definitions of race/ethnic categories. There are no comparable 1992 data for the Laotian/Hmong or Other groups. For detailed information on 1995 births by smoking behavior during pregnancy, see Supplementary Tables B1 and B2, pages 61 and 62.

- The percentage of mothers who smoked during pregnancy declined in each racial/ethnic group.
- Mother’s use of alcohol during pregnancy is not presented because of underreporting. This conclusion is based on the inconsistency between the birth certificate data (3% of mothers reported drinking during pregnancy) and the 1994 Behavioral Risk Factor Survey (66% of women 18 years and older reported drinking within the past month).

Figure 14. Percent of Births with Reported Maternal Medical Risk Factors, 1992 and 1995

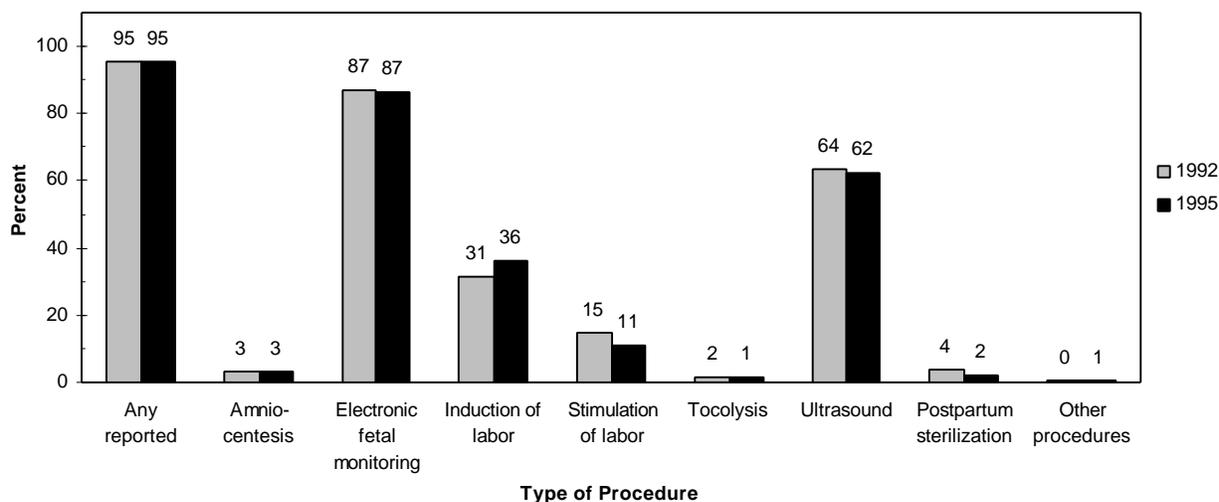


In 1995, births with reported maternal medical risk factors included:

Sexually Transmitted Diseases	3,474	5.1%
Hypertension	3,263	4.8
Pregnancy-Associated	2,756	4.1
Chronic	507	0.8
Anemia	2,631	3.9
Diabetes	2,204	3.3
Gestational	1,973	2.9
Pre-existing	231	0.3
Lung Disease, Acute or Chronic	1,758	2.6
Previous Large Infant 4,000+ grams	1,730	2.6
Previous Preterm Infant/SGA	1,674	2.5
Uterine Bleeding	1,270	1.9
Cardiac Disease	753	1.1
Hydramnios/Oligohydramnios	562	0.8
Rh Sensitization	561	0.8
Renal Disease	398	0.6
Eclampsia	229	0.3
Incompetent Cervix	236	0.3
Any Reported	23,590	35.0%

Notes: SGA means small for gestational age. See Technical Notes for definitions of maternal medical risk factors. Since more than one medical risk factor may be indicated for each birth, and since conditions in the “other” checkbox are not reported in this table, columns will not sum to the “any reported” line. Information on medical risk factors was unreported for 58 births. The maternal medical risk factor checklist was introduced on the 1989 birth certificate. By 1992 this information was considered well recorded and edited to be included in the annual reports.

Figure 15. Percent of Births with Obstetric Procedures Reported, 1992 and 1995



In 1995, births with reported obstetric procedures included:

Electronic fetal monitoring	58,388
Ultrasound	42,182
Induction of labor	24,380
Stimulation of labor	7,503
Amniocentesis	2,091
Postpartum sterilization	1,452
Tocolysis	919
Other procedures	370
Any reported	64,277

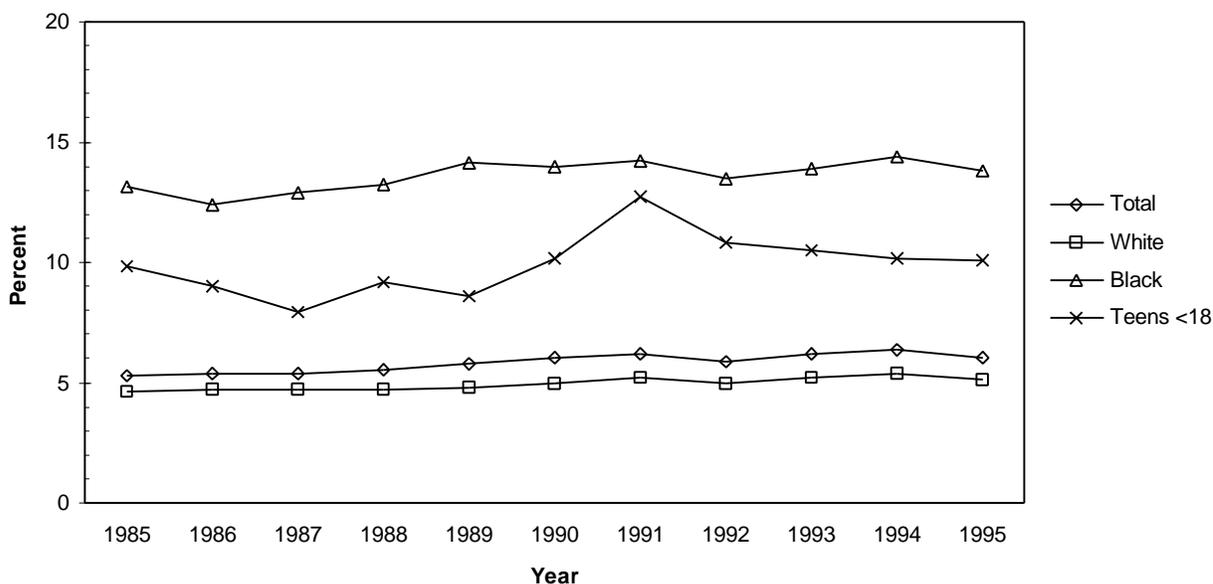
Note: See Technical Notes for definitions of obstetric procedures. The obstetric procedures checklist was introduced on the 1989 birth certificate. By 1992 this information was considered well recorded and edited to be included in the annual reports. Information on obstetric procedures was unreported for 31 births.

In 1995, the following methods of delivery were reported:

Other Vaginal	52,841	78.3%
Primary C-Section	6,606	9.8
Repeat C-Section	3,810	5.6
Vaginal After Previous C-Section	2,170	3.2
Forceps	2,034	3.0
Other	2	0.0%

Note: Information on delivery type was unreported for 30 births.

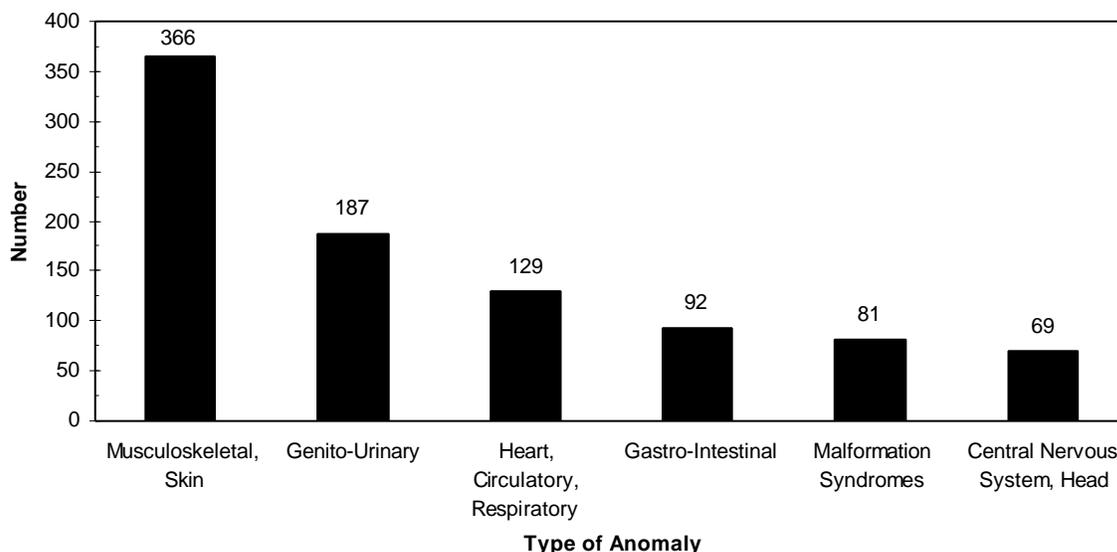
Figure 16. Percent of Births at Low Birthweight (<2500 grams), 1985-1995



Note: For detailed information on 1995 births by low birthweight, see Supplementary Table C, page 63.

- In 1995, 4,066 Wisconsin infants weighed less than 2,500 grams (about 5.5 pounds) at birth, representing 6.0 percent of all births, a decrease from 6.4 percent in 1994. In 1995, 7.3 percent of infants born in the U.S. weighed less than 2,500 grams at birth.
- 770 infants were born at very low birthweight (less than 1,500 grams or about 3 pounds 5 ounces), representing 1.1 percent of all births.
- From 1985 to 1995, the low-birthweight percentage among infants born to mothers less than 18 years of age remained relatively stable (9.8% to 10.1%). During the past decade, this proportion fluctuated from a low of 7.9 percent in 1987 to a high of 12.7 percent in 1991.
- Mothers younger than 18 had a higher percentage of low-birthweight births (10.1%) than did mothers age 18 or older (5.9%).
- Forty-one percent of premature infants (gestation less than 37 weeks) were low-birthweight.
- Twins or other multiples made up 22 percent of all low-birthweight births in 1995.
- Compared with the overall prevalence of low birthweight in 1995 (6.0%), higher proportions of low-birthweight infants were born to:
 - ◆ Mothers who received no prenatal care (22.7%),
 - ◆ Non-Hispanic black women (13.8%),
 - ◆ Girls less than 15 years of age (12.1%),
 - ◆ Women who smoked during pregnancy (10.0%), and
 - ◆ Women with less than a high school education (9.4%).

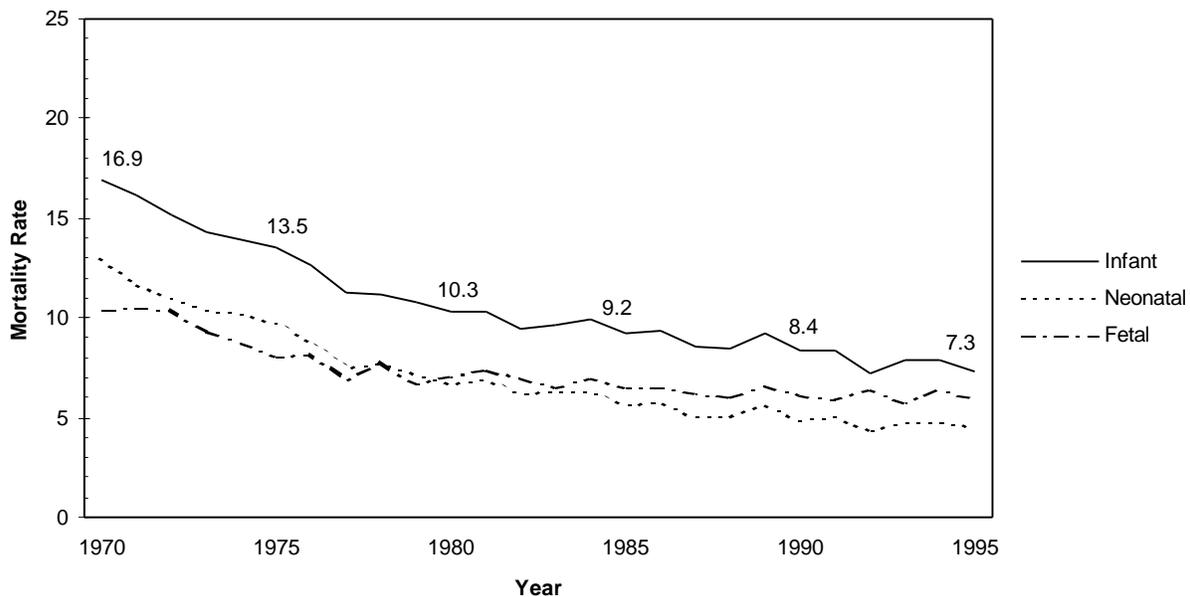
Figure 17. Number of Reported Congenital Anomalies, 1995



In 1995, births with reported congenital anomalies included:

Total Reported	899
Central Nervous System, Head	69
Anencephalus	4
Spina Bifida/Meningocele	31
Hydrocephalus	23
Microcephalus	9
Other Central Nervous System	11
Heart, Circulatory, Respiratory	129
Heart Malformations	99
Other Circulatory/Respiratory	33
Gastro-Intestinal	92
Rectal Atresia, Stenosis	13
Tracheo-Esophageal Fistula	16
Omphalocele, Gastroschisis	38
Other Gastrointestinal	26
Genito-Urinary	187
Malformed Genitalia	124
Renal Agenesis	7
Other Urogenital	57
Musculoskeletal/Skin	366
Cleft Lip, Palate	71
Polydactyly, Syndactyly, Adactyly	100
Club Foot	72
Diaphragmatic Hernia	14
Other Musculoskeletal/ Integumental	126
Malformation Syndromes	81
Down Syndrome	59
Other Chromosomal	22
All Other	66

Note: These numbers reflect only those congenital anomalies that can be discerned at birth and are reported on the birth certificate. Many are not detected before the newborn is discharged from the hospital. Since more than one anomaly may be reported for each infant, columns will not add to total. This table is not comparable with congenital anomalies data published prior to 1989; see Technical Notes for explanation.

Figure 18. Infant, Neonatal, and Fetal Mortality Rates , 1970-1995

Source: Resident birth certificates, matched birth-death file, and fetal death file, Center for Health Statistics.

Note: An infant death is one that occurs to an infant less than 1 year of age. The infant death rate is the number of resident infant deaths divided by total resident live births times 1,000. For detailed information on 1995 infant, neonatal and fetal deaths, see Supplementary Table D, page 65.

- In Wisconsin, 493 infants (under the age of one year) died in 1995. Wisconsin's infant mortality rate has steadily decreased over the past 25 years. The 1995 rate of 7.3 infant deaths per 1,000 live births was much lower than the 1970 rate of 16.9. The 1995 U.S. preliminary infant mortality rate was 7.5 infant deaths per 1,000 live births.
- 311 neonates (infants less than 28 days) died in 1995. The neonatal mortality rate in 1995 was 4.6 neonatal deaths per 1,000 births compared with 13.0 in 1970.
- The fetal mortality rate (fetal deaths per 1,000 live births and fetal deaths) was 5.9 in 1995, down from 10.4 in 1970. (Refer to page 74 for a definition of fetal death.)
- The black infant mortality rate for 1995 (17.9 deaths per 1,000 live births to black mothers) was lower than the comparable rate for 1994 (18.6), and relatively unchanged from the 1985 rate (17.5).
- The 1995 white infant mortality rate (6.2 deaths per 1,000 live births to white mothers) also represented a decline from 1994 (6.5), and a substantial decline from 1985 (8.4).
- Infants born to teenage mothers are at higher risk of death than infants born to older mothers. In 1995, the infant mortality rate was 12.0 per 1,000 live births among infants born to mothers aged 15-19, compared with 6.7 among infants born to women ages 20 and older.
- There were 2 maternal deaths in 1995; these are deaths attributed to pregnancy-related health conditions or events of delivery.

Table 1. Population, Births, Crude and General Fertility Rates by County of Residence

County	Estimated Population	Total Births	Crude Birth Rate	General Fertility Rate
Total	5,119,240	67,493	13.2	58.9
Adams	17,090	167	9.8	60.7
Ashland	16,580	239	14.4	68.5
Barron	42,180	550	13.0	64.6
Bayfield	14,530	135	9.3	48.7
Brown	210,400	2,962	14.1	59.6
Buffalo	13,700	165	12.0	61.3
Burnett	13,830	171	12.4	67.6
Calumet	37,150	488	13.1	58.8
Chippewa	53,950	633	11.7	55.6
Clark	32,390	448	13.8	72.1
Columbia	48,010	607	12.6	63.3
Crawford	16,210	215	13.3	68.3
Dane	394,200	5,023	12.7	48.6
Dodge	80,090	947	11.8	59.3
Door	26,290	254	9.7	48.2
Douglas	42,510	493	11.6	54.1
Dunn	37,630	444	11.8	46.3
Eau Claire	88,230	1,118	12.7	50.0
Florence	4,970	36	7.2	36.4
Fond du Lac	93,780	1,119	11.9	54.5
Forest	9,120	137	15.0	79.2
Grant	49,430	561	11.3	55.8
Green	31,620	390	12.3	58.9
Green Lake	19,140	192	10.0	51.5
Iowa	21,380	296	13.8	63.9
Iron	6,300	63	10.0	58.3
Jackson	17,120	189	11.0	57.1
Jefferson	71,980	852	11.8	52.4
Juneau	22,980	308	13.4	69.2
Kenosha	138,290	2,040	14.8	65.9
Kewaunee	19,380	218	11.2	55.5
La Crosse	102,430	1,267	12.4	49.4
Lafayette	16,210	176	10.9	53.8
Langlade	20,290	228	11.2	57.4
Lincoln	28,480	320	11.2	55.3
Manitowoc	82,890	898	10.8	52.9
Marathon	122,210	1,585	13.0	59.5
Marinette	41,960	454	10.8	54.2
Marquette	13,420	121	9.0	48.4
Menominee	4,310	92	21.3	103.4
Milwaukee	952,150	15,067	15.8	67.3
Monroe	38,270	529	13.8	67.6

Table 1. Population, Births, Crude and General Fertility Rates by County of Residence

County	Estimated Population	Total Births	Crude Birth Rate	General Fertility Rate
Oconto	31,990	388	12.1	60.3
Oneida	34,080	352	10.3	55.9
Outagamie	150,850	2,056	13.6	59.7
Ozaukee	78,440	934	11.9	55.9
Pepin	7,180	83	11.6	63.8
Pierce	34,050	403	11.8	47.0
Polk	36,520	470	12.9	64.5
Portage	65,200	788	12.1	48.8
Price	16,010	184	11.5	60.9
Racine	183,630	2,512	13.7	61.7
Richland	17,610	196	11.1	56.2
Rock	146,920	1,963	13.4	61.3
Rusk	15,250	192	12.6	64.6
St. Croix	54,060	725	13.4	59.3
Sauk	50,700	670	13.2	62.8
Sawyer	15,140	196	12.9	72.9
Shawano	38,160	456	11.9	62.3
Sheboygan	108,370	1,336	12.3	58.3
Taylor	19,210	221	11.5	55.7
Trempealeau	25,810	315	12.2	62.0
Vernon	26,420	351	13.3	69.1
Vilas	19,300	205	10.6	65.9
Walworth	81,100	952	11.7	52.0
Washburn	14,590	168	11.5	61.8
Washington	108,570	1,440	13.3	59.8
Waukesha	332,940	4,120	12.4	56.2
Waupaca	48,830	619	12.7	61.4
Waushara	20,420	240	11.8	63.8
Winnebago	148,630	1,838	12.4	54.0
Wood	76,180	923	12.1	56.3

Sources: State and county population estimates are from the Center for Health Statistics.

Note: The crude birth rate is the number of resident live births divided by the resident population times 1,000.
The general fertility rate is the number of resident live births divided by females ages 15-44 times 1,000.

Table 2. Population, Births and Crude Birth Rates by Selected Cities of Residence

City	Estimated Population	Births	Crude Birth Rate
Appleton	68,180	1,027	15.1
Beloit	35,891	555	15.5
Eau Claire	58,702	775	13.2
Fond du Lac	39,875	520	13.0
Green Bay	100,786	1,630	16.2
Janesville	56,141	858	15.3
Kenosha	84,998	1,559	18.3
La Crosse	51,865	663	12.8
Madison	199,518	2,600	13.0
Manitowoc	33,761	392	11.6
Mequon/Thiensville	24,247	246	10.1
Milwaukee	623,531	11,193	18.0
Neenah/Menasha	39,610	599	15.1
Oshkosh	59,068	745	12.6
Racine	85,238	1,464	25.1
Sheboygan	50,582	723	14.3
Stevens Point	24,066	327	13.6
Superior	27,338	350	12.8
Watertown	20,382	288	14.1
Waukesha	59,441	958	16.1
Wausau	38,583	584	15.1
West Bend	27,607	443	16.0

Sources: Population estimates are from the Wisconsin Department of Administration.

Note: Cities chosen are those that are included in the city module of the Assessment Information Manager database, available on diskette and through the Internet. The crude birth rate is the number of resident live births divided by the resident population times 1,000.

Table 3. Births by County, City And Hospital of Occurrence

County	City	Hospital	Births
Ashland	Ashland	Memorial Medical Center	347
Barron	Cumberland	Cumberland Memorial.....	81
	Rice Lake	Lakeview Medical Center	447
	Barron	Barron Memorial Medical Center.....	79
Brown	Green Bay	Bellin Memorial Hospital.....	1,399
	Green Bay	St. Mary's.....	751
	Green Bay	St. Vincent's	1,724
Burnett	Grantsburg	Burnett General Hospital	74
Chippewa	Bloomer	Community Memorial Hospital.....	58
	Chippewa Falls	St. Joseph's.....	352
	Stanley	Victory Memorial Hospital	51
Clark	Neilsville	Memorial Hospital.....	29
Columbia	Columbus	Columbus Community Hospital	155
	Portage	Divine Savior	170
Crawford	Prairie du Chien	Prairie du Chien Memorial.....	163
Dane	Madison	Meriter.....	3,095
	Madison	St. Mary's.....	2,991
	Stoughton	Stoughton Hospital.....	1
Dodge	Beaver Dam	Beaver Dam Community Hospital.....	352
	Watertown	Watertown Memorial Hospital.....	351
	Waupun	Waupun Memorial Hospital.....	141
Door	Sturgeon Bay	Door Co. Memorial Hospital	191
Dunn	Menomonie	Myrtle Werth Medical Center	309
Eau Claire	Eau Claire	Luther Hospital	843
	Eau Claire	Sacred Heart Hospital	806
Fond du Lac	Fond du Lac	St. Agnes	966
	Ripon	Ripon Memorial Hospital	94
Grant	Boscobel	Memorial Hospital.....	70
	Lancaster	Memorial Hospital.....	115
	Platteville	Southwest Health Center	163
Green	Monroe	St. Clare Hospital.....	365
Green Lake	Berlin	Berlin Memorial Hospital	231
Iowa	Dodgeville	Memorial Hospital Of Iowa Co.....	225
Jackson	Black River Falls	Black River Memorial Hospital	155
Jefferson	Ft. Atkinson	Ft. Atkinson Memorial Hospital.....	372
Juneau	Mauston	Hess Memorial Hospital	258
Kenosha	Kenosha	Kenosha Memorial Hospital	837
	Kenosha	St. Catherine's.....	741
Kewaunee	Kewaunee	St. Mary's Kewaunee Hospital	38
La Crosse	La Crosse	La Crosse Lutheran	1,531
	La Crosse	St. Francis Medical Center	732
Lafayette	Darlington	Memorial Hospital.....	62
Langlade	Antigo	Langlade Memorial Hospital.....	227
Lincoln	Merrill	Good Samaritan Health Center	161
	Tomahawk	Sacred Heart Hospital	18
Manitowoc	Manitowoc	Holy Family Hospital	459
	Two Rivers	Two Rivers Community Hospital.....	280
Marathon	Wausau	Wausau Hospital Center	1,441
Marinette	Marinette	Bay Area Medical Center	392
Milwaukee	Cudahy	Trinity Memorial Hospital.....	3
	Milwaukee	Columbia Hospital	981
	Milwaukee	Northwest General.....	1
	Milwaukee	Sinai-Samaritan Medical Center	3,816
	Milwaukee	St. Francis.....	1,310
	Milwaukee	St. Joseph's.....	3,983
	Milwaukee	St. Luke's Medical Center	1,260
	Milwaukee	St. Mary's.....	2,285
	Milwaukee	St. Michael's.....	933

Table 3. Births by County, City And Hospital of Occurrence

County	City	Hospital	Births
Milwaukee cont.	Wauwatosa	John L Dovne Hospital	703
	West Allis	West Allis Memorial	1,369
Monroe	Sparta	St. Mary's	147
	Tomah	Tomah Memorial Hospital	188
Oconto	Oconto Falls	Community Memorial Hospital	59
Oneida	Rhineland	Sacred Heart-St. Mary's	450
	Woodruff	Howard Young Medical Center	297
Outagamie	Appleton	Appleton Medical Center	1,169
	Appleton	St. Elizabeth's	1,245
	Kaukauna	Kaukauna Community Hospital	112
	New London	New London Family Medical Center	139
Ozaukee	Ozaukee	St. Mary's Hospital	630
Pepin	Durand	Chippewa Valley Hospital	40
Polk	Amery	Apple River Hospital	140
	Osceola	Osceola Medical Center	70
	St. Croix	St. Croix Valley Memorial	300
Portage	Stevens Point	St. Michael's	762
Price	Park Falls	Flambeau Medical Center	118
Racine	Burlington	Memorial Hospital	545
	Racine	St. Luke's	1,913
Richland	Richland Center	Richland Hospital	159
Rock	Beloit	Beloit Memorial	678
	Janesville	Mercy Hospital Of Janesville	1,338
	Ladysmith	Rusk County Memorial	154
Rusk	Baraboo	St. Clare	261
Sauk	Prairie Du Sac	Sauk-Prairie Memorial	193
	Reedsburg	Reedsburg Medical Center	189
Sawyer	Hayward	Hayward Area Memorial Hospital	125
Shawano	Shawano	Shawano Community Hospital	345
Sheboygan	Plymouth	Valley View Medical Center	160
	Sheboygan	Sheboygan Memorial Medical Center	886
	Sheboygan	St. Nicholas	304
St. Croix	Baldwin	Baldwin Community Hospital	65
	Hudson	Hudson Memorial Hospital	168
	New Richmond	Holy Family Hospital	150
	River Falls	River Falls Memorial Hospital	223
Taylor	Medford	Memorial Hospital Of Taylor Co.	189
Trempealeau	Arcadia	St. Joseph's	62
	Whitehall	Tri-County Memorial	1
Vernon	Hillsboro	St. Joseph's	53
	Viroqua	Vernon Memorial Hospital	200
Walworth	Elkhorn	Lakeland Medical Center	432
Washburn	Shell Lake	Indianhead Medical Center	38
	Spooner	Spooner Community Memorial Hospital	113
Washington	Hartford	Hartford Memorial	224
	West Bend	St. Joseph's Community Hospital	667
Waukesha	Brookfield	Elmbrook Memorial Hospital	856
	Menominee Falls	Community Memorial Hospital	1,002
	Oconomowoc	Memorial Hospital	497
Waupaca	Waukesha	Waukesha Memorial	1,976
Waupaca	Waupaca	Riverside Medical Center	243
Waushara	Wild Rose	Wild Rose Community Memorial	33
Winnebago	Neenah	Theda Clark Regional Medical Center	1,450
	Oshkosh	Mercy Medical Center	688
Wood	Marshfield	St. Joseph's Hospital	1,199
	Wisconsin Rapids	Riverview Hospital	605

Note: Births are all those that occurred at the hospital, including births to women who were not Wisconsin residents.

Table 4. Home Births by County of Birth

County of Birth	Number of Births	County of Birth	Number of Births
Adams	1	Marquette	6
Ashland	3	Milwaukee	74
Barron	10	Monroe	56
Bayfield	7	Oconto	1
Brown	22	Oneida	3
Buffalo	1	Outagamie	12
Burnett	3	Ozaukee	7
Calumet	6	Pepin	9
Chippewa	2	Pierce	3
Clark	68	Polk	4
Columbia	15	Portage	17
Crawford	3	Price	2
Dane	22	Racine	10
Dodge	7	Richland	5
Door	3	Rock	12
Douglas	3	Rusk	2
Dunn	6	Sauk	24
Eau Claire	48	Sawyer	7
Fond Du Lac	13	Shawano	11
Grant	6	Sheboygan	14
Green	8	St.Croix	2
Green Lake	9	Taylor	7
Iowa	3	Trempealeau	4
Jackson	2	Vernon	56
Jefferson	10	Vilas	1
Juneau	1	Walworth	10
Kenosha	12	Washburn	6
Kewaunee	3	Washington	14
La Crosse	5	Waukesha	23
Langlade	1	Waupaca	2
Lincoln	2	Waushara	12
Manitowoc	4	Winnebago	12
Marathon	34	Wood	2
Marinette	5	Total	778

Note: In Vernon County, 25 deliveries took place at a clinic. These births are not counted in either the hospital or home birth totals.

Table 5a. Number of Births by Age of Mother and County of Residence

County	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	67,493	182	2,549	4,379	14,874	20,374	17,442	6,612	1,026	48
Adams	167	-	7	19	44	52	32	11	1	1
Ashland	239	1	4	17	71	77	49	19	1	-
Barron	550	-	27	46	152	177	111	32	3	1
Bayfield	135	-	6	14	26	32	43	14	-	-
Brown	2,962	1	85	156	615	947	818	297	38	5
Buffalo	165	-	1	8	42	57	34	19	3	-
Burnett	171	1	3	12	47	56	34	17	1	-
Calumet	488	-	4	20	81	183	150	46	4	-
Chippewa	633	1	19	44	169	210	134	53	3	-
Clark	448	-	7	25	105	147	92	59	12	1
Columbia	607	-	14	36	135	192	160	59	9	2
Crawford	215	-	3	18	43	72	53	23	3	-
Dane	5,023	5	110	186	751	1,538	1,654	672	103	4
Dodge	947	1	29	47	218	332	235	69	16	-
Door	254	-	8	9	44	77	89	21	6	-
Douglas	493	-	18	47	122	163	99	39	5	-
Dunn	444	-	13	24	116	159	82	39	11	-
Eau Claire	1,118	2	34	57	278	358	274	92	20	3
Florence	36	-	1	2	13	15	2	3	-	-
Fond du Lac	1,119	-	39	71	230	366	277	118	17	1
Forest	137	-	4	24	36	38	21	11	3	-
Grant	561	-	7	39	144	167	150	42	11	1
Green	390	-	5	23	90	129	96	40	7	-
Green Lake	192	-	6	16	52	50	38	20	9	1
Iowa	296	1	4	13	67	100	76	27	8	-
Iron	63	-	-	2	25	10	19	6	1	-
Jackson	189	-	12	14	52	46	42	18	5	-
Jefferson	852	-	15	47	178	295	229	79	9	-
Juneau	308	-	14	27	89	97	60	18	3	-
Kenosha	2,040	4	104	157	504	609	457	187	16	1
Kewaunee	218	-	9	5	49	78	57	19	1	-
La Crosse	1,267	2	30	63	307	386	336	121	22	-
Lafayette	176	-	7	11	44	51	44	14	5	-
Langlade	228	-	16	15	49	69	49	27	3	-
Lincoln	320	-	8	29	78	106	65	28	6	-
Manitowoc	898	2	21	52	205	311	226	60	21	-
Marathon	1,585	4	41	86	369	534	380	140	27	4
Marinette	454	2	16	29	108	142	105	45	7	-
Marquette	121	-	5	4	31	39	34	7	1	-
Menominee	92	2	9	7	24	22	22	5	1	-
Milwaukee	15,067	111	1,087	1,404	3,788	3,828	3,262	1,356	218	10
Monroe	529	-	19	49	150	147	115	41	8	-

Table 5a. Number of Births by Age of Mother and County of Residence

County	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Oconto	388	-	19	21	81	125	106	31	4	1
Oneida	352	-	7	12	73	118	86	47	9	-
Outagamie	2,056	2	42	90	359	740	610	184	28	1
Ozaukee	934	-	6	20	89	269	362	165	23	-
Pepin	83	-	3	2	20	25	18	14	1	-
Pierce	403	-	8	22	116	132	92	27	6	-
Polk	470	1	16	25	126	144	111	42	5	-
Portage	788	2	22	30	155	266	211	82	20	-
Price	184	-	1	22	51	50	42	13	5	-
Racine	2,512	12	135	207	568	725	609	222	33	1
Richland	196	1	7	18	50	56	40	19	5	-
Rock	1,963	8	78	147	561	604	418	127	18	1
Rusk	192	1	9	25	53	55	37	11	1	-
St. Croix	725	3	8	28	152	244	203	79	8	-
Sauk	670	-	15	41	162	206	184	52	9	1
Sawyer	196	2	9	13	61	53	44	14	-	-
Shawano	456	-	11	39	105	160	97	37	6	1
Sheboygan	1,336	2	37	97	271	429	358	124	18	-
Taylor	221	1	3	16	57	69	57	14	4	-
Trempealeau	315	-	4	26	77	98	82	24	4	-
Vernon	351	1	5	14	85	100	87	46	13	-
Vilas	205	1	12	15	52	48	50	25	2	-
Walworth	952	-	28	62	228	281	235	107	11	-
Washburn	168	1	3	12	46	56	29	18	3	-
Washington	1,440	-	24	46	227	495	489	142	17	-
Waukesha	4,120	2	63	123	501	1,158	1,549	632	90	2
Waupaca	619	1	19	58	161	188	144	44	4	-
Waushara	240	1	11	26	55	77	49	16	5	-
Winnebago	1,838	-	44	90	376	631	509	166	19	3
Wood	923	-	29	58	215	308	229	75	7	2

Note: Included in the totals are 7 births for which age of mother was not reported. A dash (-) indicates that there were no events in that category.

Table 5b. Percent of Births by Age of Mother and County of Residence

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	67,493	0%	4%	6%	22%	30%	26%	10%	2%	0%
Adams	167	-	4	11	26	31	19	7	1	1
Ashland	239	0	2	7	30	32	21	8	0	-
Barron	550	-	5	8	28	32	20	6	1	0
Bayfield	135	-	4	10	19	24	32	10	-	-
Brown	2,962	0	3	5	21	32	28	10	1	0
Buffalo	165	-	1	5	25	35	21	12	2	-
Burnett	171	1	2	7	27	33	20	10	1	-
Calumet	488	-	1	4	17	38	31	9	1	-
Chippewa	633	0	3	7	27	33	21	8	0	-
Clark	448	-	2	6	23	33	21	13	3	0
Columbia	607	-	2	6	22	32	26	10	1	0
Crawford	215	-	1	8	20	33	25	11	1	-
Dane	5,023	0	2	4	15	31	33	13	2	0
Dodge	947	0	3	5	23	35	25	7	2	-
Door	254	-	3	4	17	30	35	8	2	-
Douglas	493	-	4	10	25	33	20	8	1	-
Dunn	444	-	3	5	26	36	18	9	2	-
Eau Claire	1,118	0	3	5	25	32	25	8	2	0
Florence	36	-	3	6	36	42	6	8	-	-
Fond du Lac	1,119	-	3	6	21	33	25	11	2	0
Forest	137	-	3	18	26	28	15	8	2	-
Grant	561	-	1	7	26	30	27	7	2	0
Green	390	-	1	6	23	33	25	10	2	-
Green Lake	192	-	3	8	27	26	20	10	5	1
Iowa	296	0	1	4	23	34	26	9	3	-
Iron	63	-	-	3	40	16	30	10	2	-
Jackson	189	-	6	7	28	24	22	10	3	-
Jefferson	852	-	2	6	21	35	27	9	1	-
Juneau	308	-	5	9	29	31	19	6	1	-
Kenosha	2,040	0	5	8	25	30	22	9	1	0
Kewaunee	218	-	4	2	22	36	26	9	0	-
La Crosse	1,267	0	2	5	24	30	27	10	2	-
Lafayette	176	-	4	6	25	29	25	8	3	-
Langlade	228	-	7	7	21	30	21	12	1	-
Lincoln	320	-	3	9	24	33	20	9	2	-
Manitowoc	898	0	2	6	23	35	25	7	2	-
Marathon	1,585	0	3	5	23	34	24	9	2	0
Marinette	454	0	4	6	24	31	23	10	2	-
Marquette	121	-	4	3	26	32	28	6	1	-
Menominee	92	2	10	8	26	24	24	5	1	-
Milwaukee	15,067	1	7	9	25	25	22	9	1	0
Monroe	529	-	4	9	28	28	22	8	2	-

Table 5b. Percent of Births by Age of Mother and County of Residence

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Oconto	388	-%	5%	5%	21%	32%	27%	8%	1%	0%
Oneida	352	-	2	3	21	34	24	13	3	-
Outagamie	2,056	0	2	4	17	36	30	9	1	0
Ozaukee	934	-	1	2	10	29	39	18	2	-
Pepin	83	-	4	2	24	30	22	17	1	-
Pierce	403	-	2	5	29	33	23	7	1	-
Polk	470	0	3	5	27	31	24	9	1	-
Portage	788	0	3	4	20	34	27	10	3	-
Price	184	-	1	12	28	27	23	7	3	-
Racine	2,512	0	5	8	23	29	24	9	1	0
Richland	196	1	4	9	26	29	20	10	3	-
Rock	1,963	0	4	7	29	31	21	6	1	0
Rusk	192	1	5	13	28	29	19	6	1	-
St. Croix	725	0	1	4	21	34	28	11	1	-
Sauk	670	-	2	6	24	31	27	8	1	0
Sawyer	196	1	5	7	31	27	22	7	-	-
Shawano	456	-	2	9	23	35	21	8	1	0
Sheboygan	1,336	0	3	7	20	32	27	9	1	-
Taylor	221	0	1	7	26	31	26	6	2	-
Trempealeau	315	-	1	8	24	31	26	8	1	-
Vernon	351	0	1	4	24	28	25	13	4	-
Vilas	205	0	6	7	25	23	24	12	1	-
Walworth	952	-	3	7	24	30	25	11	1	-
Washburn	168	1	2	7	27	33	17	11	2	-
Washington	1,440	-	2	3	16	34	34	10	1	-
Waukesha	4,120	0	2	3	12	28	38	15	2	0
Waupaca	619	0	3	9	26	30	23	7	1	-
Waushara	240	0	5	11	23	32	20	7	2	-
Winnebago	1,838	-	2	5	20	34	28	9	1	0
Wood	923	-	3	6	23	33	25	8	1	0

Note: Included in the totals are 7 births for which age of mother was not reported. A dash (-) indicates that there were no events in that category. A zero (0) indicates less than 0.5 percent. Percents may not add to 100 due to rounding.

Table 6a. Number of Births by Age of Mother and Region

	Total	<15	15-17	18-19	20-24	25-19	30-34	35-39	40-44	45+
DHFS Regions										
Total	67,493	182	2,549	4,379	14,874	20,374	17,442	6,612	1,026	48
Southern	11,519	16	300	625	2,398	3,596	3,202	1,173	198	10
Southeastern	27,917	129	1,462	2,066	6,083	7,660	7,192	2,890	417	14
Northeastern	13,731	13	385	790	2,847	4,565	3,689	1,240	189	13
Western	8,714	13	239	543	2,215	2,760	2,012	791	134	5
Northern	5,612	11	163	355	1,331	1,793	1,347	518	88	6
Perinatal Regions										
Total	67,493	182	2,549	4,379	14,874	20,374	17,442	6,612	1,026	48
South Central	13,108	16	340	716	2,761	4,100	3,613	1,336	215	10
South East	27,449	131	1,456	2,054	5,948	7,513	7,086	2,828	415	14
Fox Valley	6,673	4	170	375	1,345	2,274	1,811	601	87	6
North East	5,722	7	178	318	1,231	1,862	1,520	515	84	7
Western	6,274	9	156	350	1,564	1,968	1,529	585	109	3
North Central	6,802	10	206	449	1,627	2,210	1,566	620	105	8
Northwest	1,465	5	43	117	398	447	317	127	11	-

Table 6b. Percent of Births by Age of Mother and Region

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
DHFS Regions										
Total	67,493	0%	4%	6%	22%	30%	26%	10%	2%	0%
Southern	11,519	0	3	5	21	31	28	10	2	0
Southeastern	27,917	0	5	7	22	27	26	10	1	0
Northeastern	13,731	0	3	6	21	33	27	9	1	0
Western	8,714	0	3	6	25	32	23	9	2	0
Northern	5,612	0	3	6	24	32	24	9	2	0
Perinatal Regions										
Total	67,493	0%	4%	6%	22%	30%	26%	10%	2%	0%
South Central	13,108	0	3	5	21	31	28	10	2	0
South East	27,449	0	5	7	22	27	26	10	2	0
Fox Valley	6,673	0	3	6	20	34	27	9	1	0
North East	5,722	0	3	6	22	33	27	9	1	0
Western	6,274	0	2	6	25	31	24	9	2	0
North Central	6,802	0	3	7	24	32	23	9	2	0
Northwest	1,465	0	3	8	27	31	22	9	1	-

Note: Included in the totals are 7 births for which age of mother was not reported. A dash (-) indicates that there were no events in that category. A zero (0) indicates less than 0.5 percent. Percents may not add to 100 due to rounding. For information and maps of the Department of Health and Family Services (DHFS) and Perinatal Regions see Technical Note pages 67 and 68.

Table 7a. Number of Births by Race/Ethnicity of Mother and County of Residence

County	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Total	67,493	55,404	6,480	835	2,856	1,162	734
Adams	167	165	1	1	-	-	-
Ashland	239	205	1	29	3	-	1
Barron	550	535	-	8	5	-	2
Bayfield	135	110	2	22	-	-	1
Brown	2,962	2,626	15	101	89	112	19
Buffalo	165	163	-	-	1	-	-
Burnett	171	153	1	15	2	-	-
Calumet	488	476	2	2	2	4	2
Chippewa	633	625	-	1	2	2	3
Clark	448	443	-	1	4	-	-
Columbia	607	582	3	3	16	-	3
Crawford	215	209	1	1	2	-	1
Dane	5,023	4,278	305	16	154	58	211
Dodge	947	913	2	3	21	2	5
Door	254	251	-	1	2	-	-
Douglas	493	467	3	14	3	-	-
Dunn	444	402	4	2	4	31	1
Eau Claire	1,118	1,026	4	4	6	69	5
Florence	36	35	-	-	1	-	-
Fond du Lac	1,119	1,058	15	4	20	14	8
Forest	137	103	-	33	1	-	-
Grant	561	550	1	1	4	3	2
Green	390	386	1	1	2	-	-
Green Lake	192	184	-	-	2	4	2
Iowa	296	293	-	-	3	-	-
Iron	63	59	-	3	-	-	1
Jackson	189	175	-	11	2	-	1
Jefferson	852	806	1	6	35	-	4
Juneau	308	295	2	7	2	1	1
Kenosha	2,040	1,649	181	6	185	1	18
Kewaunee	218	215	-	-	1	1	1
La Crosse	1,267	1,139	17	7	9	83	12
Lafayette	176	174	-	1	1	-	-
Langlade	228	220	-	6	1	-	1
Lincoln	320	315	1	1	1	-	2
Manitowoc	898	849	2	4	11	25	7
Marathon	1,585	1,424	1	9	10	132	9
Marinette	454	443	-	7	2	-	2
Marquette	121	118	-	2	1	-	-
Menominee	92	3	-	86	3	-	-
Milwaukee	15,067	7,621	5,312	133	1,476	294	230
Monroe	529	514	2	4	8	-	1

Table 7a. Number of Births by Race/Ethnicity of Mother and County of Residence

County	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Oconto	388	370	-	11	5	-	2
Oneida	352	344	-	3	2	-	3
Outagamie	2,056	1,879	6	41	38	75	17
Ozaukee	934	905	4	5	13	-	7
Pepin	83	83	-	-	-	-	-
Pierce	403	398	2	-	-	1	1
Polk	470	455	-	8	3	-	3
Portage	788	707	5	2	17	55	2
Price	184	180	-	1	1	-	2
Racine	2,512	1,842	390	4	249	2	24
Richland	196	193	-	1	2	-	-
Rock	1,963	1,739	151	6	60	-	7
Rusk	192	186	-	-	2	3	1
St. Croix	725	706	3	1	2	4	6
Sauk	670	639	-	17	13	-	-
Sawyer	196	140	-	53	3	-	-
Shawano	456	421	1	28	5	-	1
Sheboygan	1,336	1,180	5	4	44	90	13
Taylor	221	220	-	-	1	-	-
Trempealeau	315	308	-	2	4	-	1
Vernon	351	350	-	-	1	-	-
Vilas	205	156	-	44	4	-	1
Walworth	952	849	6	2	85	1	9
Washburn	168	164	-	1	3	-	-
Washington	1,440	1,416	1	4	12	1	6
Waukesha	4,120	3,912	17	12	126	4	49
Waupaca	619	600	-	3	12	1	3
Waushara	240	219	1	2	18	-	-
Winnebago	1,838	1,719	6	13	21	65	14
Wood	923	867	2	11	13	24	6

Note: See Technical Notes for full definitions of race/ethnic categories. Included in the totals are 22 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no events in that category.

Table 7b. Percent of Births by Race/Ethnicity of Mother and County of Residence

County	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Total	67,493	82%	10%	1%	4%	2%	1%
Adams	167	99	1	1	-	-	-
Ashland	239	86	0	12	1	-	0
Barron	550	97	-	1	1	-	0
Bayfield	135	81	1	16	-	-	1
Brown	2,962	89	1	3	3	4	1
Buffalo	165	99	-	-	1	-	-
Burnett	171	89	1	9	1	-	-
Calumet	488	98	0	0	0	1	0
Chippewa	633	99	-	0	0	0	0
Clark	448	99	-	0	1	-	-
Columbia	607	96	0	0	3	-	0
Crawford	215	97	0	0	1	-	0
Dane	5,023	85	6	0	3	1	4
Dodge	947	96	0	0	2	0	1
Door	254	99	-	0	1	-	-
Douglas	493	95	1	3	1	-	-
Dunn	444	91	1	0	1	7	0
Eau Claire	1,118	92	0	0	1	6	0
Florence	36	97	-	-	3	-	-
Fond du Lac	1,119	95	1	0	2	1	1
Forest	137	75	-	24	1	-	-
Grant	561	98	0	0	1	1	0
Green	390	99	0	0	1	-	-
Green Lake	192	96	-	-	1	2	1
Iowa	296	99	-	-	1	-	-
Iron	63	94	-	5	-	-	2
Jackson	189	93	-	6	1	-	1
Jefferson	852	95	0	1	4	-	0
Juneau	308	96	1	2	1	0	0
Kenosha	2,040	81	9	0	9	0	1
Kewaunee	218	99	-	-	0	0	0
La Crosse	1,267	90	1	1	1	7	1
Lafayette	176	99	-	1	1	-	-
Langlade	228	96	-	3	0	-	0
Lincoln	320	98	0	0	0	-	1
Manitowoc	898	95	0	0	1	3	1
Marathon	1,585	90	0	1	1	8	1
Marinette	454	98	-	2	0	-	0
Marquette	121	98	-	2	1	-	-
Menominee	92	3	-	93	3	-	-
Milwaukee	15,067	51	35	1	10	2	2
Monroe	529	97	0	1	2	-	0

Table 7b. Percent of Births by Race/Ethnicity of Mother and County of Residence

County	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Oconto	388	95%	-%	3%	1%	-%	1%
Oneida	352	98	-	1	1	-	1
Outagamie	2,056	91	0	2	2	4	1
Ozaukee	934	97	0	1	1	-	1
Pepin	83	100	-	-	-	-	-
Pierce	403	99	0	-	-	0	0
Polk	470	97	-	2	1	-	1
Portage	788	90	1	0	2	7	0
Price	184	98	-	1	1	-	1
Racine	2,512	73	16	0	10	0	1
Richland	196	98	-	1	1	-	-
Rock	1,963	89	8	0	3	-	0
Rusk	192	97	-	-	1	2	1
St. Croix	725	97	0	0	0	1	1
Sauk	670	95	-	3	2	-	-
Sawyer	196	71	-	27	2	-	-
Shawano	456	92	0	6	1	-	0
Sheboygan	1,336	88	0	0	3	7	1
Taylor	221	100	-	-	0	-	-
Trempealeau	315	98	-	1	1	-	0
Vernon	351	100	-	-	0	-	-
Vilas	205	76	-	21	2	-	0
Walworth	952	89	1	0	9	0	1
Washburn	168	98	-	1	2	-	-
Washington	1,440	98	0	0	1	0	0
Waukesha	4,120	95	0	0	3	0	1
Waupaca	619	97	-	0	2	0	0
Waushara	240	91	0	1	8	-	-
Winnebago	1,838	94	0	1	1	4	1
Wood	923	94	0	1	1	3	1

Note: See Technical Notes for full definitions of race/ethnic categories. Included in the totals are 22 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no events in that category. A zero (0) indicates less than 0.5 percent. Percents may not add to 100 due to rounding.

Table 8a. Number of Births by Race/Ethnicity of Mother and Region

	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
DHFS Regions							
Total	67,493	55,404	6,480	835	2,856	1,162	734
Southern	11,519	10,416	467	58	280	64	230
Southeastern	27,917	19,000	5,912	172	2,181	303	347
Northeastern	13,731	12,611	53	309	276	391	91
Western	8,714	8,292	36	79	61	193	37
Northern	5,612	5,085	12	217	58	211	29
Perinatal Regions							
Total	67,493	55,404	6,480	835	2,856	1,162	734
South Central	13,108	11,862	473	65	398	65	242
South East	27,449	18,525	5,910	168	2,105	392	347
Fox Valley	6,673	6,253	30	67	114	163	46
North East	5,722	5,178	18	238	118	138	32
Western	6,274	5,928	33	40	42	188	32
North Central	6,802	6,360	9	120	65	216	32
Northwest	1,465	1,298	7	137	14	-	3

Table 8b. Percent of Births by Race/Ethnicity of Mother and Region

	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
DHFS Regions							
Total	67,493	82%	10%	1%	4%	2%	1%
Southern	11,519	90	4	1	2	1	2
Southeastern	27,917	68	21	1	8	1	1
Northeastern	13,731	92	0	2	2	3	1
Western	8,714	95	0	1	1	2	0
Northern	5,612	91	0	4	1	4	1
Perinatal Regions							
Total	67,493	82%	10%	1%	4%	2%	1%
South Central	13,108	90	4	0	3	0	2
South East	27,449	67	22	1	8	1	1
Fox Valley	6,673	94	0	1	2	2	1
North East	5,722	90	0	4	2	2	1
Western	6,274	94	1	1	1	3	1
North Central	6,802	94	0	2	1	3	0
Northwest	1,465	89	0	9	1	-	0

Note: See Technical Notes for full definitions of race/ethnic categories. Included in the totals are 22 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no events in that category. A zero (0) indicates less than 0.5 percent. Percents may not add to 100 due to rounding. For information and maps of the Department of Health and Family Services (DHFS) and Perinatal Regions see Technical Note pages 67 and 68.

Table 9a. Number of Births by Education of Mother and County of Residence

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	67,493	2,217	8,799	23,225	16,855	10,522	5,797
Adams	167	1	37	73	38	13	5
Ashland	239	2	30	99	73	23	12
Barron	550	27	74	211	154	68	14
Bayfield	135	1	15	55	31	22	11
Brown	2,962	131	300	994	766	568	203
Buffalo	165	1	12	65	54	22	10
Burnett	171	2	21	76	44	13	15
Calumet	488	2	23	194	132	91	46
Chippewa	633	3	63	289	184	53	41
Clark	448	87	39	150	111	37	24
Columbia	607	18	57	203	192	90	47
Crawford	215	7	15	94	62	21	16
Dane	5,023	64	363	1,162	1,301	1,118	1,008
Dodge	947	3	97	431	234	120	62
Door	254	1	20	96	72	44	21
Douglas	493	4	71	154	160	59	41
Dunn	444	12	37	151	135	72	36
Eau Claire	1,118	81	90	322	294	196	129
Florence	36	-	4	16	9	4	3
Fond du Lac	1,119	21	144	448	287	147	71
Forest	137	1	26	71	33	4	2
Grant	561	6	45	203	176	82	42
Green	390	5	42	157	103	53	30
Green Lake	192	17	25	67	45	20	18
Iowa	296	1	24	126	82	46	16
Iron	63	1	3	31	21	6	1
Jackson	189	5	27	87	38	20	12
Jefferson	852	7	73	344	221	131	76
Juneau	308	1	61	149	55	30	12
Kenosha	2,040	49	403	746	475	254	111
Kewaunee	218	3	14	98	72	24	7
La Crosse	1,267	58	93	362	392	196	166
Lafayette	176	-	18	74	53	22	9
Langlade	228	-	38	109	44	23	14
Lincoln	320	2	37	153	85	31	12
Manitowoc	898	29	95	338	280	118	37
Marathon	1,585	127	107	597	438	195	120
Marinette	454	3	57	196	136	34	27
Marquette	121	5	12	57	30	11	6
Menominee	92	4	22	38	22	5	1
Milwaukee	15,067	747	3,607	4,609	3,062	2,012	1,021
Monroe	529	80	73	192	114	48	22

Table 9a. Number of Births by Education of Mother and County of Residence

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Oconto	388	2	55	172	85	54	20
Oneida	352	-	32	140	96	59	24
Outagamie	2,056	58	134	796	546	334	182
Ozaukee	934	-	35	243	221	282	153
Pepin	83	12	8	33	15	11	4
Pierce	403	2	22	144	114	78	39
Polk	470	2	50	184	153	46	33
Portage	788	56	62	284	197	133	55
Price	184	-	23	85	44	19	12
Racine	2,512	66	410	856	621	382	175
Richland	196	9	34	85	43	15	10
Rock	1,963	34	305	779	515	203	126
Rusk	192	4	20	100	45	15	8
St. Croix	725	4	32	271	212	136	60
Sauk	670	34	73	255	177	81	49
Sawyer	196	2	33	82	50	15	13
Shawano	456	11	52	205	111	54	23
Sheboygan	1,336	55	129	529	336	190	95
Taylor	221	8	19	107	61	17	9
Trempealeau	315	16	22	121	101	34	21
Vernon	351	75	23	108	82	40	23
Vilas	205	3	37	73	63	16	13
Walworth	952	31	106	355	240	145	75
Washburn	168	1	14	80	42	22	9
Washington	1,440	4	84	504	396	323	129
Waukesha	4,120	28	193	1,117	1,051	1,196	534
Waupaca	619	3	72	295	157	63	29
Waushara	240	20	39	99	47	20	15
Winnebago	1,838	41	176	684	452	286	198
Wood	923	17	91	352	272	107	84

Note: "Some High School" or "Some College" means the mother completed at least one year of schooling at that level. Included in the totals are 78 births for which education of mother was not reported. A dash (-) indicates that there were no events in that category.

Table 9b. Percent of Births by Education of Mother and County of Residence

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	67,493	3%	13%	34%	25%	16%	9%
Adams	167	1	22	44	23	8	3
Ashland	239	1	13	41	31	10	5
Barron	550	5	13	38	28	12	3
Bayfield	135	1	11	41	23	16	8
Brown	2,962	4	10	34	26	19	7
Buffalo	165	1	7	39	33	13	6
Burnett	171	1	12	44	26	8	9
Calumet	488	0	5	40	27	19	9
Chippewa	633	0	10	46	29	8	6
Clark	448	19	9	33	25	8	5
Columbia	607	3	9	33	32	15	8
Crawford	215	3	7	44	29	10	7
Dane	5,023	1	7	23	26	22	20
Dodge	947	0	10	46	25	13	7
Door	254	0	8	38	28	17	8
Douglas	493	1	14	31	32	12	8
Dunn	444	3	8	34	30	16	8
Eau Claire	1,118	7	8	29	26	18	12
Florence	36	-	11	44	25	11	8
Fond du Lac	1,119	2	13	40	26	13	6
Forest	137	1	19	52	24	3	1
Grant	561	1	8	36	31	15	7
Green	390	1	11	40	26	14	8
Green Lake	192	9	13	35	23	10	9
Iowa	296	0	8	43	28	16	5
Iron	63	2	5	49	33	10	2
Jackson	189	3	14	46	20	11	6
Jefferson	852	1	9	40	26	15	9
Juneau	308	0	20	48	18	10	4
Kenosha	2,040	2	20	37	23	12	5
Kewaunee	218	1	6	45	33	11	3
La Crosse	1,267	5	7	29	31	15	13
Lafayette	176	-	10	42	30	13	5
Langlade	228	-	17	48	19	10	6
Lincoln	320	1	12	48	27	10	4
Manitowoc	898	3	11	38	31	13	4
Marathon	1,585	8	7	38	28	12	8
Marinette	454	1	13	43	30	7	6
Marquette	121	4	10	47	25	9	5
Menominee	92	4	24	41	24	5	1
Milwaukee	15,067	5	24	31	20	13	7
Monroe	529	15	14	36	22	9	4

Table 9b. Percent of Births by Education of Mother and County of Residence

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Oconto	388	1%	14%	44%	22%	14%	5%
Oneida	352	-	9	40	27	17	7
Outagamie	2,056	3	7	39	27	16	9
Ozaukee	934	-	4	26	24	30	16
Pepin	83	14	10	40	18	13	5
Pierce	403	0	5	36	28	19	10
Polk	470	0	11	39	33	10	7
Portage	788	7	8	36	25	17	7
Price	184	-	13	46	24	10	7
Racine	2,512	3	16	34	25	15	7
Richland	196	5	17	43	22	8	5
Rock	1,963	2	16	40	26	10	6
Rusk	192	2	10	52	23	8	4
St. Croix	725	1	4	37	29	19	8
Sauk	670	5	11	38	26	12	7
Sawyer	196	1	17	42	26	8	7
Shawano	456	2	11	45	24	12	5
Sheboygan	1,336	4	10	40	25	14	7
Taylor	221	4	9	48	28	8	4
Trempealeau	315	5	7	38	32	11	7
Vernon	351	21	7	31	23	11	7
Vilas	205	1	18	36	31	8	6
Walworth	952	3	11	37	25	15	8
Washburn	168	1	8	48	25	13	5
Washington	1,440	0	6	35	28	22	9
Waukesha	4,120	1	5	27	26	29	13
Waupaca	619	0	12	48	25	10	5
Waushara	240	8	16	41	20	8	6
Winnebago	1,838	2	10	37	25	16	11
Wood	923	2	10	38	29	12	9

Note: "Some High School" or "Some College" means the mother completed at least one year of schooling at that level. Included in the totals are 78 births for which education of mother was not reported. A dash (-) indicates that there were no events in that category. A zero (0) indicates less than 0.5 percent. Percents may not add to 100 due to rounding.

Table 10a. Number of Births by Education of Mother and Region

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
DHFS Regions							
Total	67,493	2,217	8,799	23,225	16,855	10,522	5,797
Southern	11,519	183	1,171	3,791	3,031	1,894	1,432
Southeastern	27,917	932	4,911	8,774	6,287	4,725	2,274
Northeastern	13,731	406	1,369	5,306	3,576	2,063	999
Western	8,714	476	791	3,100	2,444	1,166	707
Northern	5,612	220	557	2,254	1,517	674	385
Perinatal Regions							
Total	67,493	2,217	8,799	23,225	16,855	10,522	5,797
South Central	13,108	214	1,335	4,396	3,430	2,149	1,567
Southeast	27,449	949	4,861	8,604	6,162	4,639	2,218
Fox Valley	6,673	167	625	2,640	1,696	972	565
Northeast	5,722	184	615	2,137	1,544	901	339
Western	6,274	355	504	2,134	1,766	920	571
North Central	6,802	335	672	2,737	1,836	781	435
Northwest	1,465	13	187	577	421	160	102

Table 10b. Percent of Births by Education of Mother and Region

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
DHFS Regions							
Total	67,493	3%	13%	34%	25%	16%	9%
Southern	11,519	2	10	33	26	16	12
Southeastern	27,917	3	18	31	23	17	8
Northeastern	13,731	3	10	39	26	15	7
Western	8,714	5	9	36	28	13	8
Northern	5,612	4	10	40	27	12	7
Perinatal Regions							
Total	67,493	3%	13%	34%	25%	16%	9%
South Central	13,108	2	10	34	26	16	12
Southeast	27,449	3	18	31	22	17	8
Fox Valley	6,673	3	9	40	25	15	8
Northeast	5,722	3	11	37	27	16	6
Western	6,274	6	8	34	28	15	9
North Central	6,802	5	10	40	27	11	6
Northwest	1,465	1	13	39	29	11	7

Note: "Some High School" or "Some College" means the mother completed at least one year of schooling at that level. Included in the totals are 78 births for which education of mother was not reported. Percents may not add to 100 due to rounding. For information and maps of the Department of Health and Family Services (DHFS) and Perinatal Regions see Technical Note pages 67 and 68.

Table 11. Births by Trimester Prenatal Care Began and County of Residence

County	Total	Trimester Prenatal Care Began				Percent Received First-Trimester Care		
		First	Second	Third	No Care	1995	1994	1993
Total	67,493	56,155	8,900	1,745	559	83%	83%	82%
Adams	167	128	34	5	-	77	73	65
Ashland	239	184	46	7	2	77	76	80
Barron	550	421	105	17	4	77	81	77
Bayfield	135	103	26	4	2	76	75	78
Brown	2,962	2,593	295	65	9	88	87	86
Buffalo	165	137	25	1	-	83	78	83
Burnett	171	133	33	4	-	78	72	73
Calumet	488	429	52	5	2	88	89	89
Chippewa	633	550	67	9	4	87	85	81
Clark	448	326	91	27	4	73	70	65
Columbia	607	499	89	16	-	82	82	85
Crawford	215	150	59	6	-	70	75	73
Dane	5,023	4,464	466	69	22	89	90	89
Dodge	947	835	95	15	2	88	84	86
Door	254	219	29	5	-	86	87	84
Douglas	493	426	50	9	1	86	84	82
Dunn	444	336	91	11	4	76	85	79
Eau Claire	1,118	850	204	37	18	76	81	79
Florence	36	31	5	-	-	86	85	80
Fond du Lac	1,119	971	125	21	2	87	88	86
Forest	137	103	29	4	1	75	74	67
Grant	561	459	76	12	4	82	81	86
Green	390	332	48	6	2	85	89	84
Green Lake	192	142	38	10	2	74	75	75
Iowa	296	252	37	6	1	85	86	89
Iron	63	52	8	2	1	83	79	91
Jackson	189	141	32	7	7	75	75	69
Jefferson	852	723	110	15	4	85	89	89
Juneau	308	221	69	16	2	72	75	77
Kenosha	2,040	1,688	284	48	17	83	84	81
Kewaunee	218	197	20	-	1	90	89	90
La Crosse	1,267	1,083	147	31	4	85	85	85
Lafayette	176	146	24	4	1	83	83	86
Langlade	228	199	25	3	1	87	87	87
Lincoln	320	283	34	3	-	88	84	87
Manitowoc	898	827	58	9	4	92	92	90
Marathon	1,585	1,261	268	48	7	80	82	81
Marinette	454	363	80	7	2	80	77	76
Marquette	121	91	25	5	-	75	77	78
Menominee	92	60	23	7	2	65	64	66
Milwaukee	15,067	11,805	2,487	523	243	78	77	76
Monroe	529	400	71	37	19	76	77	79

Table 11. Births by Trimester Prenatal Care Began and County of Residence

County	Total	Trimester Prenatal Care Began				Percent Received First-Trimester Care		
		First	Second	Third	No Care	1995	1994	1993
Oconto	388	325	50	12	1	84%	83%	84%
Oneida	352	306	30	9	2	87	81	83
Outagamie	2,056	1,821	193	38	4	89	87	85
Ozaukee	934	878	44	5	3	94	95	92
Pepin	83	61	13	5	2	73	70	66
Pierce	403	324	59	14	1	80	80	77
Polk	470	379	77	9	3	81	78	78
Portage	788	542	218	23	5	69	73	73
Price	184	145	30	6	1	79	80	83
Racine	2,512	1,978	386	103	44	79	80	79
Richland	196	151	33	10	-	77	75	73
Rock	1,963	1,675	234	44	9	85	84	83
Rusk	192	150	36	4	2	78	83	77
St. Croix	725	610	80	19	1	84	86	85
Sauk	670	555	75	27	9	83	84	83
Sawyer	196	127	48	14	5	65	65	69
Shawano	456	371	70	8	7	81	81	81
Sheboygan	1,336	1,193	124	12	6	89	89	88
Taylor	221	187	31	2	1	85	79	81
Trempealeau	315	262	36	13	2	83	80	81
Vernon	351	244	54	48	4	70	67	65
Vilas	205	150	31	18	2	73	81	76
Walworth	952	787	137	16	7	83	81	83
Washburn	168	123	38	6	1	73	74	69
Washington	1,440	1,314	106	18	2	91	92	89
Waukesha	4,120	3,872	205	29	12	94	93	94
Waupaca	619	527	81	6	4	85	84	83
Waushara	240	170	43	23	3	71	75	72
Winnebago	1,838	1,587	198	38	10	86	87	84
Wood	923	728	160	30	5	79	82	80

Note: Included in the totals are 134 births for which prenatal care timing was not reported. A dash (-) indicates that there were no events in that category.

Table 12. Births by Trimester Prenatal Care Began and Region

	Trimester when Prenatal Care Began					Percent Received First-Trimester Care		
	Total	First	Second	Third	No Care	1995	1994	1993
DHFS Regions								
Total	67,493	56,155	8,900	1,745	559	83%	83%	82%
Southern	11,519	9,867	1,339	236	52	86	85	85
Southeastern	27,917	23,045	3,759	757	332	83	82	80
Northeastern	13,731	11,886	1,504	271	59	87	86	85
Western	8,714	6,956	1,309	308	81	80	81	79
Northern	5,612	4,401	989	173	35	78	80	80
Perinatal Regions								
Total	67,493	56,155	8,900	1,745	559	83%	83%	82%
South Central	13,108	11,227	1,527	261	63	86	86	86
Southeast	27,449	22,728	3,636	738	327	83	82	81
Fox Valley	6,673	5,738	755	146	27	86	86	84
Northeast	5,722	4,955	625	113	26	87	86	85
Western	6,274	4,977	948	238	65	79	81	80
North Central	6,802	5,382	1,160	203	39	79	80	79
Northwest	1,465	1,148	249	46	12	78	77	78

Note: Included in the totals are 134 births for which prenatal care timing was not reported. For information and maps of the Department of Health and Family Services (DHFS) and Perinatal Regions see Technical Note pages 67 and 68.

Table 13. Births by Number of Prenatal Care Visits and County of Residence

County	Number of Prenatal Care Visits						Percent of Births with <10 Visits
	Total	No Visits	1-4	5-9	10-12	13+	
Total	67,493	560	2,084	11,940	30,869	21,814	22%
Adams	167	-	4	48	85	30	31
Ashland	239	2	6	56	106	68	27
Barron	550	4	22	148	236	136	32
Bayfield	135	2	5	33	54	41	30
Brown	2,962	9	42	462	1,143	1,306	17
Buffalo	165	-	2	24	73	64	16
Burnett	171	-	10	46	87	28	33
Calumet	488	2	10	113	286	77	26
Chippewa	633	4	9	144	271	202	25
Clark	448	4	36	120	186	102	36
Columbia	607	-	14	104	315	173	19
Crawford	215	-	10	81	87	37	42
Dane	5,023	22	75	643	2,619	1,660	15
Dodge	947	2	6	145	454	340	16
Door	254	-	6	39	113	94	18
Douglas	493	1	9	96	269	117	22
Dunn	444	4	19	94	189	135	26
Eau Claire	1,118	18	45	150	414	481	19
Florence	36	-	-	8	13	14	22
Fond du Lac	1,119	2	25	163	652	277	17
Forest	137	1	2	31	60	40	25
Grant	561	4	12	141	207	172	28
Green	390	2	12	36	170	169	13
Green Lake	192	2	12	29	78	71	22
Iowa	296	1	6	56	149	84	21
Iron	63	1	-	12	19	31	21
Jackson	189	7	1	36	69	76	23
Jefferson	852	4	6	98	368	376	13
Juneau	308	2	15	115	124	50	43
Kenosha	2,040	17	46	305	914	749	18
Kewaunee	218	1	3	41	86	87	21
La Crosse	1,267	4	26	256	489	492	23
Lafayette	176	1	3	45	70	53	28
Langlade	228	1	4	50	89	83	24
Lincoln	320	-	5	66	125	124	22
Manitowoc	898	4	12	78	277	527	10
Marathon	1,585	7	79	567	651	280	41
Marinette	454	2	3	60	175	210	14
Marquette	121	-	3	28	57	33	26
Menominee	92	2	8	33	27	21	47
Milwaukee	15,067	244	806	2,833	6,754	4,401	26
Monroe	529	19	63	82	175	189	31

Table 13. Births by Number of Prenatal Care Visits and County of Residence

County	Total	Number of Prenatal Care Visits					Percent of Births with <10 Visits
		No Visits	1-4	5-9	10-12	13+	
Oconto	388	1	6	65	148	168	19%
Oneida	352	2	4	57	140	147	18
Outagamie	2,056	4	41	576	1,138	297	30
Ozaukee	934	3	3	100	480	343	11
Pepin	83	1	9	13	31	26	28
Pierce	403	1	11	81	168	134	23
Polk	470	3	10	127	206	118	30
Portage	788	5	20	148	291	322	22
Price	184	1	5	56	71	51	34
Racine	2,512	44	93	460	1,256	652	24
Richland	196	-	7	52	78	57	30
Rock	1,963	9	63	251	845	793	16
Rusk	192	2	4	50	90	46	29
St. Croix	725	2	19	161	306	199	25
Sauk	670	9	33	116	294	217	24
Sawyer	196	5	13	98	51	27	59
Shawano	456	7	16	118	184	129	31
Sheboygan	1,336	6	19	177	691	443	15
Taylor	221	1	7	38	94	81	21
Trempealeau	315	2	13	61	116	122	24
Vernon	351	4	71	73	123	80	42
Vilas	205	2	7	42	68	83	25
Walworth	952	7	10	172	450	311	20
Washburn	168	1	9	57	70	30	40
Washington	1,440	2	10	115	674	639	9
Waukesha	4,120	12	30	238	2,061	1,776	7
Waupaca	619	4	6	125	316	165	22
Waushara	240	3	18	41	93	84	26
Winnebago	1,838	10	22	332	1,099	358	20
Wood	923	5	23	225	452	216	27

Note: Included in the totals are 226 births for which number of prenatal care visits was not reported. A dash (-) indicates that there were no events in that category.

Table 14. Births by Number of Prenatal Care Visits and Region

	Number of Prenatal Care Visits					Percent of Births with <10 Visits	
	Total	No Visits	1-4	5-9	10-12		13+
DHFS Regions							
Total	67,493	560	2,084	11,940	30,869	21,814	22%
Southern	11,519	52	260	1,833	5,497	3,835	19
Southeastern	27,917	333	1,004	4,321	12,957	9,247	20
Northeastern	13,731	59	252	2,480	6,563	4,347	20
Western	8,714	81	388	1,819	3,568	2,777	26
Northern	5,612	35	180	1,487	2,284	1,608	30
Perinatal Regions							
Total	67,493	560	2,084	11,940	30,869	21,814	22%
South Central	13,108	63	266	2,022	6,228	4,485	18
Southeast	27,449	328	1,007	4,228	12,830	9,003	20
Fox Valley	6,673	27	137	1,407	3,719	1,362	24
Northeast	5,722	26	96	896	2,153	2,542	18
Western	6,274	65	299	1,239	2,446	2,153	26
North Central	6,802	39	227	1,750	2,837	1,927	30
Northwest	1,465	12	52	398	656	342	32

Note: Included in the totals are 226 births for which number of prenatal care visits was not reported.

Table 15. Low-Birthweight Births by County of Residence

County	Births	<1,500 Grams	1,500-2,499 Grams	<2,500 Grams	Percent Low Birthweight	
					1995	1994
Total	67,493	770	3,296	4,066	6.0%	6.4%
Adams	167	2	8	10	6.0	9.9
Ashland	239	3	8	11	4.6	1.5
Barron	550	1	22	23	4.2	4.4
Bayfield	135	0	7	7	5.2	2.1
Brown	2,962	44	113	157	5.3	5.5
Buffalo	165	1	4	5	3.0	5.8
Burnett	171	0	7	7	4.1	2.2
Calumet	488	4	15	19	3.9	6.5
Chippewa	633	3	38	41	6.5	6.5
Clark	448	5	13	18	4.0	5.1
Columbia	607	8	26	34	5.6	5.6
Crawford	215	3	5	8	3.7	4.1
Dane	5,023	43	215	258	5.1	6.3
Dodge	947	9	45	54	5.7	6.5
Door	254	1	15	16	6.3	5.2
Douglas	493	6	35	41	8.3	8.2
Dunn	444	3	15	18	4.1	4.6
Eau Claire	1,118	10	36	46	4.1	5.0
Florence	36	0	3	3	8.3	2.1
Fond du Lac	1,119	9	56	65	5.8	5.1
Forest	137	1	3	4	2.9	4.0
Grant	561	5	27	32	5.7	5.3
Green	390	4	12	16	4.1	4.6
Green Lake	192	2	9	11	5.7	4.4
Iowa	296	3	21	24	8.1	5.1
Iron	63	1	8	9	14.3	6.1
Jackson	189	2	13	15	7.9	4.9
Jefferson	852	11	38	49	5.8	5.1
Juneau	308	3	11	14	4.5	5.1
Kenosha	2,040	25	103	128	6.3	6.6
Kewaunee	218	1	8	9	4.1	6.0
La Crosse	1,267	20	57	77	6.1	6.9
Lafayette	176	2	10	12	6.8	7.2
Langlade	228	1	9	10	4.4	9.6
Lincoln	320	2	14	16	5.0	9.8
Manitowoc	898	14	46	60	6.7	6.5
Marathon	1,585	9	57	66	4.2	5.0
Marinette	454	3	18	21	4.6	5.1
Marquette	121	1	7	8	6.6	5.4
Menominee	92	0	5	5	5.4	3.9
Milwaukee	15,067	284	1,007	1,291	8.6	9.2
Monroe	529	8	25	33	6.2	4.7

Table 15. Low-Birthweight Births by County of Residence

County	Births	<1,500 Grams	1,500-2,499 Grams	<2,500 Grams	Percent Low Birthweight	
					1995	1994
Oconto	388	3	24	27	7.0	4.7
Oneida	352	1	16	17	4.8	5.8
Outagamie	2,056	15	73	88	4.3	4.9
Ozaukee	934	10	35	45	4.8	5.2
Pepin	83	0	3	3	3.6	5.3
Pierce	403	2	13	15	3.7	3.4
Polk	470	0	22	22	4.7	6.0
Portage	788	10	27	37	4.7	6.1
Price	184	0	12	12	6.5	4.5
Racine	2,512	39	129	168	6.7	6.8
Richland	196	0	4	4	2.0	4.3
Rock	1,963	28	99	127	6.5	6.4
Rusk	192	2	9	11	5.7	4.6
St. Croix	725	5	29	34	4.7	4.1
Sauk	670	5	27	32	4.8	4.1
Sawyer	196	0	10	10	5.1	7.0
Shawano	456	7	29	36	7.9	5.1
Sheboygan	1,336	9	62	71	5.3	3.8
Taylor	221	2	6	8	3.6	6.0
Trempealeau	315	1	14	15	4.8	5.5
Vernon	351	4	11	15	4.3	5.1
Vilas	205	0	13	13	6.3	4.6
Walworth	952	10	38	48	5.0	5.9
Washburn	168	2	8	10	6.0	7.7
Washington	1,440	8	63	71	4.9	4.2
Waukesha	4,120	30	158	188	4.6	4.5
Waupaca	619	3	35	38	6.1	5.3
Waushara	240	2	14	16	6.7	5.2
Winnebago	1,838	10	75	85	4.6	5.5
Wood	923	5	44	49	5.3	5.9

Note: Included in the totals are 14 births for which birthweight was not reported. Infants weighing less than 2,500 grams or 5.5 pounds at birth are considered low birthweight. Infants weighing less than 1,500 grams or 3 pounds 5 ounces at birth are considered very low birthweight.

Table 16. Low-Birthweight Births by Region

	Births				Percent Low Birthweight	
		<1,500 Grams	1,500-2,499 Grams	<2,500 Grams	1995	1994
DHFS Regions						
Total	67,493	770	3,296	4,066	6.0%	6.4%
Southern	11,519	115	510	625	5.4	5.9
Southeastern	27,917	417	1,571	1,988	7.1	7.6
Northeastern	13,731	128	604	732	5.3	5.2
Western	8,714	75	374	449	5.2	5.3
Northern	5,612	35	237	272	4.8	5.9
Perinatal Regions						
Total	67,493	770	3,296	4,066	6.0%	6.4%
South Central	13,108	133	581	714	5.4	6.0
Southeast	27,449	405	1,557	1,962	7.1	7.5
Fox Valley	6,673	46	284	330	4.9	5.3
Northeast	5,722	73	258	331	5.8	5.6
Western	6,274	59	247	306	4.9	5.2
North Central	6,802	42	286	328	4.8	5.7
Northwest	1,465	12	83	95	6.5	5.8

Note: Included in the totals are 14 births for which birthweight was not reported. Infants weighing less than 2,500 grams or 5.5 pounds at birth are considered low birthweight. Infants weighing less than 1,500 grams or 3 pounds 5 ounces at birth are considered very low birthweight.

Table 17. Fetal, Neonatal, Postneonatal, and Infant Deaths by County of Residence

County	Fetal (Gestation >20 weeks)	Neonatal + (<28 days)	Postneonatal = (28 days-1 year)	Infant Deaths (<1 year)
Total	403	311	182	493
Adams	3	2	0	2
Ashland	1	2	0	2
Barron	2	2	0	2
Bayfield	0	1	0	1
Brown	31	25	5	30
Buffalo	1	0	0	0
Burnett	0	0	0	0
Calumet	3	1	0	1
Chippewa	2	6	3	9
Clark	6	1	2	3
Columbia	5	3	3	6
Crawford	0	2	0	2
Dane	20	23	10	33
Dodge	8	2	2	4
Door	1	1	3	4
Douglas	1	2	1	3
Dunn	1	0	0	0
Eau Claire	3	4	4	8
Florence	0	1	0	1
Fond Du Lac	8	3	4	7
Forest	0	0	0	0
Grant	2	3	1	4
Green	1	0	0	0
Green Lake	2	0	1	1
Iowa	0	1	3	4
Iron	0	0	0	0
Jackson	1	0	0	0
Jefferson	5	3	3	6
Juneau	3	1	0	1
Kenosha	22	10	2	12
Kewaunee	2	2	0	2
La Crosse	12	3	4	7
Lafayette	1	3	0	3
Langlade	1	1	0	1
Lincoln	2	2	0	2
Manitowoc	8	5	3	8
Marathon	13	2	1	3
Marinette	1	3	0	3
Marquette	0	1	0	1
Menominee	3	0	0	0
Milwaukee	102	92	65	157
Monroe	4	3	1	4

Table 17. Fetal, Neonatal, Postneonatal, and Infant Deaths by County of Residence

County	Fetal (Gestation >20 weeks)	Neonatal + (<28 days)	Postneonatal = (28 days-1 year)	Infant Deaths (<1 year)
Oconto	2	2	1	3
Oneida	1	0	1	1
Outagamie	16	7	8	15
Ozaukee	4	3	0	3
Pepin	1	1	0	1
Pierce	1	3	1	4
Polk	2	2	3	5
Portage	3	8	2	10
Price	0	0	0	0
Racine	8	12	7	19
Richland	4	0	0	0
Rock	12	16	6	22
Rusk	1	1	0	1
St. Croix	3	2	0	2
Sauk	2	2	2	4
Sawyer	1	0	0	0
Shawano	0	2	1	3
Sheboygan	4	4	4	8
Taylor	0	0	1	1
Trempealeau	2	2	2	4
Vernon	3	1	2	3
Vilas	0	0	1	1
Walworth	7	3	3	6
Washburn	2	0	0	0
Washington	9	4	1	5
Waukesha	21	9	10	19
Waupaca	5	2	1	3
Waushara	0	3	0	3
Winnebago	4	5	2	7
Wood	4	0	2	2

Source: Fetal death and matched birth-death files, Center for Health Statistics.

Table 18. Fetal, Neonatal, Postneonatal, and Infant Deaths by Selected Cities

City of Occurrence	Fetal (Gestation >20 weeks)	Neonatal + (<28 days)	Postneonatal = (28 days-1 year)	Infant (<1 year)
Appleton	10	1	5	6
Beloit	3	7	2	9
Eau Claire	2	4	3	7
Fond du Lac	5	2	3	5
Green Bay	18	12	4	16
Janesville	6	4	0	4
Kenosha	17	8	1	9
La Crosse	6	1	3	4
Madison	9	13	7	20
Manitowoc	3	0	1	1
Mequon/Thiensville	1	0	0	0
Milwaukee	89	76	61	137
Neenah/Menasha	2	2	1	3
Oshkosh	2	3	1	4
Racine	6	11	6	17
Sheboygan	3	3	3	6
Stevens Point	2	3	2	5
Superior	1	0	0	0
Watertown	1	2	2	4
Waukesha	11	2	5	7
Wausau	9	2	0	2
West Bend	3	0	0	0

Source: Fetal death and matched birth-death files, Center for Health Statistics.

Note: Cities chosen are those that are included in the city module of the Assessment Information Manager data base, available on diskette and through the Internet.

Supplementary Tables

Table A1. Number of Births by Age of Mother

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 +
Total	67,493	182	2,549	4,379	14,874	20,374	17,442	6,612	1,026	48
Race of Mother										
White	55,404	40	1,273	2,855	10,933	17,797	15,704	5,902	864	31
Black	6,480	102	836	935	2,216	1,253	766	307	64	-
Amer. Indian	835	8	70	99	298	177	131	46	6	-
Hispanic	2,856	19	248	360	1,000	638	395	166	27	2
Lao/Hmong	1,162	8	104	109	329	258	196	94	49	15
Other	734	4	17	20	93	243	249	94	14	-
Unknown	22	1	1	1	5	8	1	3	2	-
Education										
Elem. or Less	2,217	154	252	124	540	443	366	232	86	20
Some H.S.	8,799	27	2,134	1,828	2,654	1,178	690	247	39	2
H. S. Grad	23,225	-	155	2,154	6,867	6,888	5,021	1,883	252	5
Some College	16,855	-	4	266	3,970	6,068	4,639	1,638	257	10
College Grad	10,522	-	-	1	616	3,971	4,216	1,505	205	6
Post-Grad	5,797	-	-	3	208	1,808	2,491	1,100	182	5
Unknown	78	1	4	3	19	18	19	7	5	-
Marital Status										
Married	49,065	2	220	949	7,984	17,208	15,795	5,958	906	38
Unmarried	18,420	180	2,329	3,428	6,888	3,163	1,646	654	120	10
Unknown	8	-	-	2	2	3	1	-	-	-
Trimester Prenatal Care Began										
First	56,155	72	1,556	3,074	11,509	17,794	15,596	5,715	803	33
Second	8,900	73	780	1,026	2,617	2,050	1,492	686	160	14
Third	1,745	26	156	214	555	376	228	144	45	1
None	559	9	53	51	166	117	101	48	14	-
Unknown	134	2	4	14	27	37	25	19	4	-
Number of Prenatal Care Visits										
No Visits	560	9	53	51	166	118	101	48	14	-
1-4	2,084	21	168	235	656	439	323	197	44	1
5-9	11,940	70	701	1,125	3,169	3,195	2,481	983	201	15
10-12	30,869	57	1,076	1,778	6,371	9,554	8,478	3,082	451	18
13+	21,814	23	543	1,171	4,465	7,001	6,008	2,277	310	14
Unknown	226	2	8	19	47	67	51	25	6	-
Smoked During Pregnancy										
No	54,692	159	1,958	3,084	10,896	17,041	14,965	5,636	902	45
Yes	12,735	22	589	1,287	3,960	3,318	2,464	969	122	3
Unknown	66	1	2	8	18	15	13	7	2	0
Live Birth Order										
1	26,455	182	2,242	3,246	7,151	7,828	4,392	1,249	159	2
2	21,907	-	271	895	4,881	7,264	6,352	1,993	243	7
3	11,159	-	31	181	1,830	3,334	3,952	1,627	198	6
4	4,429	-	3	46	657	1,159	1,594	836	129	4
5+	3,506	-	2	8	343	780	1,144	903	296	29
Unknown	37	-	-	3	12	9	8	4	1	-
Plurality										
Single Birth	65,726	182	2,500	4,308	14,563	19,861	16,884	6,370	1,005	46
Multiple Birth	1,766	-	49	71	311	512	558	242	21	2
Unknown	1	-	-	-	-	1	-	-	-	-

Note: Included in the totals are 7 births for which age of mother was not reported.

Supplementary Tables

Table A2. Percent of Births by Age of Mother

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 +
Total	100.0	100								
Race of Mother										
White	82.1	22.0	49.9	65.2	73.5	87.4	90.0	89.3	84.2	64.6
Black	9.6	56.0	32.8	21.4	14.9	6.1	4.4	4.6	6.2	-
Amer. Indian	1.2	4.4	2.7	2.3	2.0	0.9	0.8	0.7	0.6	-
Hispanic	4.2	10.4	9.7	8.2	6.7	3.1	2.3	2.5	2.6	4.2
Lao/Hmong	1.7	4.4	4.1	2.5	2.2	1.3	1.1	1.4	4.8	31.3
Other	1.1	2.2	0.7	0.5	0.6	1.2	1.4	1.4	1.4	-
Unknown	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	-
Education										
Elem. or Less	3.3	84.6	9.9	2.8	3.6	2.2	2.1	3.5	8.4	41.7
Some H.S.	13.0	14.8	83.7	41.7	17.8	5.8	4.0	3.7	3.8	4.2
H. S. Grad	34.4	-	6.1	49.2	46.2	33.8	28.8	28.5	24.6	10.4
Some College	25.0	-	0.2	6.1	26.7	29.8	26.6	24.8	25.0	20.8
College Grad	15.6	-	-	0.0	4.1	19.5	24.2	22.8	20.0	12.5
Post-Grad	8.6	-	-	0.1	1.4	8.9	14.3	16.6	17.7	10.4
Unknown	0.1	0.5	0.2	0.1	0.1	0.1	0.1	0.1	0.5	-
Marital Status										
Married	72.7	1.1	8.6	21.7	53.7	84.5	90.6	90.1	88.3	79.2
Unmarried	27.3	98.9	91.4	78.3	46.3	15.5	9.4	9.9	11.7	20.8
Unknown	0.0	-	-	0.0	0.0	0.0	0.0	-	-	-
Trimester Prenatal Care Began										
First	83.2	39.6	61.0	70.2	77.4	87.3	89.4	86.4	78.3	68.8
Second	13.2	40.1	30.6	23.4	17.6	10.1	8.6	10.4	15.6	29.2
Third	2.6	14.3	6.1	4.9	3.7	1.8	1.3	2.2	4.4	2.1
None	0.8	4.9	2.1	1.2	1.1	0.6	0.6	0.7	1.4	-
Unknown	0.2	1.1	0.2	0.3	0.2	0.2	0.1	0.3	0.4	-
Number of Prenatal Care Visits										
No Visits	0.8	4.9	2.1	1.2	1.1	0.6	0.6	0.7	1.4	-
1-4	3.1	11.5	6.6	5.4	4.4	2.2	1.9	3.0	4.3	2.1
5-9	17.7	38.5	27.5	25.7	21.3	15.7	14.2	14.9	19.6	31.3
10-12	45.7	31.3	42.2	40.6	42.8	46.9	48.6	46.6	44.0	37.5
13+	32.3	12.6	21.3	26.7	30.0	34.4	34.4	34.4	30.2	29.2
Unknown	0.3	1.1	0.3	0.4	0.3	0.3	0.3	0.4	0.6	-
Smoked During Pregnancy										
No	81.0	87.4	76.8	70.4	73.3	83.6	85.8	85.2	87.9	93.8
Yes	18.9	12.1	23.1	29.4	26.6	16.3	14.1	14.7	11.9	6.3
Unknown	0.1	0.6	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.0
Live Birth Order										
1	39.2	100.0	88.0	74.1	48.1	38.4	25.2	18.9	15.5	4.2
2	32.5	-	10.6	20.4	32.8	35.7	36.4	30.1	23.7	14.6
3	16.5	-	1.2	4.1	12.3	16.4	22.7	24.6	19.3	12.5
4	6.6	-	0.1	1.1	4.4	5.7	9.1	12.6	12.6	8.3
5+	5.2	-	0.1	0.2	2.3	3.8	6.6	13.7	28.8	60.4
Unknown	0.1	-	-	0.1	0.1	0.0	0.0	0.1	0.1	-
Plurality										
Single Birth	97.4	100.0	98.1	98.4	97.9	97.5	96.8	96.3	98.0	95.8
Multiple Birth	2.6	-	1.9	1.6	2.1	2.5	3.2	3.7	2.0	4.2
Unknown	0.0	-	-	-	-	0.0	-	-	-	-

Note: Included in the totals are 7 births for which age of mother was not reported.

Table B1. Number of Births by Race/Ethnicity of Mother

	Births	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Total	67,493	55,404	6,480	835	2,856	1,162	734
Age of Mother							
<15	182	40	102	8	19	8	4
15-17	2,549	1,273	836	70	248	104	17
18-19	4,379	2,855	935	99	360	109	20
20-24	14,874	10,933	2,216	298	1,000	329	93
25-29	20,374	17,797	1,253	177	638	258	243
30-34	17,442	15,704	766	131	395	196	249
35-39	6,612	5,902	307	46	166	94	94
40-44	1,026	864	64	6	27	49	14
45+	48	31	-	-	2	15	-
Unknown	7	5	1	-	1	-	-
Education of Mother							
Elem. or Less	2,217	742	253	28	515	647	31
Some H.S.	8,799	4,742	2,640	246	933	184	53
H. S. Grad	23,225	19,547	2,202	335	805	206	127
Some College	16,855	14,949	1,117	173	390	93	129
College Grad	10,522	9,986	171	36	121	17	189
Post-Grad	5,797	5,397	90	17	85	4	204
Unknown	78	41	7	-	7	11	1
Marital Status							
Married	49,065	44,427	1,112	270	1,557	1,017	664
Unmarried	18,420	10,969	5,368	565	1,299	145	70
Unknown	8	8	-	-	-	-	-
Trimester Prenatal Care Began							
First	56,155	48,331	4,230	544	1,984	450	606
Second	8,900	5,672	1,652	207	657	590	116
Third	1,745	1,000	391	65	162	115	12
None	559	290	197	17	49	6	-
Unknown	134	111	10	2	4	1	-
Number of Prenatal Care Visits							
No Visits	560	290	198	17	49	6	-
1-4	2,084	1,010	682	68	165	142	14
5-9	11,940	8,463	1,725	256	755	583	151
10-12	30,869	25,978	2,762	289	1,156	315	364
13+	21,814	19,478	1,095	200	724	109	205
Unknown	226	185	18	5	7	7	-
Smoked During Pregnancy							
No	54,692	44,893	4,915	441	2,564	1,157	705
Yes	12,735	10,454	1,560	393	292	5	29
Unknown	66	57	5	1	0	0	0
Live Birth Order							
1	26,455	22,221	2,227	304	1,132	191	371
2	21,907	18,798	1,647	245	814	157	245
3	11,159	9,188	1,130	126	486	145	83
4	4,429	3,240	678	90	239	158	21
5+	3,506	1,924	796	70	184	511	14
Unknown	37	33	2	-	1	-	-

Note: Included in the totals are 22 births for which race/ethnicity of mother was not reported.

Supplementary Tables

Table B2. Percent of Births by Race/Ethnicity of Mother

	Births	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Age Of Mother							
<15	0.3	0.1	1.6	1.0	0.7	0.7	0.5
15-17	3.8	2.3	12.9	8.4	8.7	9.0	2.3
18-19	6.5	5.2	14.4	11.9	12.6	9.4	2.7
20-24	22.0	19.7	34.2	35.7	35.0	28.3	12.7
25-29	30.2	32.1	19.3	21.2	22.3	22.2	33.1
30-34	25.8	28.3	11.8	15.7	13.8	16.9	33.9
35-39	9.8	10.7	4.7	5.5	5.8	8.1	12.8
40-44	1.5	1.6	1.0	0.7	0.9	4.2	1.9
45+	0.1	0.1	-	-	0.1	1.3	-
Unknown	0.0	0.0	0.0	-	0.0	-	-
Education of Mother							
Elem. or Less	3.3	1.3	3.9	3.4	18.0	55.7	4.2
Some H.S.	13.0	8.6	40.7	29.5	32.7	15.8	7.2
H. S. Grad	34.4	35.3	34.0	40.1	28.2	17.7	17.3
Some College	25.0	27.0	17.2	20.7	13.7	8.0	17.6
College Grad	15.6	18.0	2.6	4.3	4.2	1.5	25.7
Post-Grad	8.6	9.7	1.4	2.0	3.0	0.3	27.8
Unknown	0.1	0.1	0.1	-	0.2	0.9	0.1
Marital Status							
Married	72.7	80.2	17.2	32.3	54.5	87.5	90.5
Unmarried	27.3	19.8	82.8	67.7	45.5	12.5	9.5
Unknown	0.0	0.0	-	-	-	-	-
Trimester Prenatal Care Began							
First	83.2	87.2	65.3	65.1	69.5	38.7	82.6
Second	13.2	10.2	25.5	24.8	23.0	50.8	15.8
Third	2.6	1.8	6.0	7.8	5.7	9.9	1.6
None	0.8	0.5	3.0	2.0	1.7	0.5	-
Unknown	0.2	0.2	0.2	0.2	0.1	0.1	-
Number of Prenatal Care Visits							
No Visits	0.8	0.5	3.1	2.0	1.7	0.5	-
1-4	3.1	1.8	10.5	8.1	5.8	12.2	1.9
5-9	17.7	15.3	26.6	30.7	26.4	50.2	20.6
10-12	45.7	46.9	42.6	34.6	40.5	27.1	49.6
13+	32.3	35.2	16.9	24.0	25.4	9.4	27.9
Unknown	0.3	0.3	0.3	0.6	0.2	0.6	-
Smoked During Pregnancy							
No	81.0	81.0	75.9	52.8	89.8	99.6	96.1
Yes	18.9	18.9	24.1	47.1	10.2	0.4	4.0
Unknown	0.1	0.1	0.1	0.1	0.0	0.1	0.0
Live Birth Order							
1	39.2	40.1	34.4	36.4	39.6	16.4	50.5
2	32.5	33.9	25.4	29.3	28.5	13.5	33.4
3	16.5	16.6	17.4	15.1	17.0	12.5	11.3
4	6.6	5.8	10.5	10.8	8.4	13.6	2.9
5+	5.2	3.5	12.3	8.4	6.4	44.0	1.9
Unknown	0.1	0.1	0.0	-	0.0	-	-

Note: Included in the totals are 22 births for which race/ethnicity of mother was not reported.

Table C. Number and Percent of Births by Birthweight

	<1,500 Grams		1,500-2,499 Grams		>2,500 Grams		
	Total	Number	Percent	Number	Percent	Number	Percent
Total	67,493	770	1.1%	3,296	4.9%	4,066	6.0
Plurality							
Single Birth	65,726	595	0.9	2,580	3.9	3,175	4.8
Multiple Birth	1,766	175	9.9	716	40.5	891	50.5
Unknown	1	-	-	-	-	-	-
Prematurity							
Full Term	60,890	25	0.0	1,367	2.2	1,392	2.3
Premature	6,566	744	11.3	1,928	29.4	2,672	40.7
Unknown	37	1	2.7	1	2.7	2	5.4
Age of Mother							
<15	182	7	3.8	15	8.2	22	12.1
15-17	2,549	57	2.2	196	7.7	253	9.9
18-19	4,379	63	1.4	294	6.7	357	8.2
20-24	14,874	203	1.4	795	5.3	998	6.7
25-29	20,374	179	0.9	805	4.0	984	4.8
30-34	17,442	169	1.0	775	4.4	944	5.4
35-39	6,612	81	1.2	357	5.4	438	6.6
40-44	1,026	10	1.0	56	5.5	66	6.4
45+	48	-	-	3	6.3	3	6.3
Unknown	7	1	14.3	-	-	1	14.3
Race/Ethnicity of Mother							
White	55,404	485	0.9	2,339	4.2	2,824	5.1
Black	6,480	215	3.3	682	10.5	897	13.8
Amer. Indian	835	5	0.6	34	4.1	39	4.7
Hispanic	2,856	52	1.8	124	4.3	176	6.2
Laotian/Hmong	1,162	8	0.7	68	5.9	76	6.5
Other	734	5	0.7	46	6.3	51	6.9
Unknown	22	-	-	3	13.6	3	13.6
Education Of Mother							
Elem. or Less	2,217	22	1.0	126	5.7	148	6.7
Some H.S.	8,799	183	2.1	706	8.0	889	10.1
H. S. Grad	23,225	271	1.2	1,197	5.2	1,468	6.3
Some College	16,855	175	1.0	682	4.0	857	5.1
College Grad	10,522	79	0.8	367	3.5	446	4.2
Post-Grad	5,797	37	0.6	209	3.6	246	4.2
Unknown	78	3	3.8	9	11.5	12	15.4
Marital Status							
Married	49,065	400	0.8	1,941	4.0	2,341	4.8
Unmarried	18,420	370	2.0	1,354	7.4	1,724	9.4
Unknown	8	-	-	1	12.5	1	12.5

Table C. Number and Percent of Births by Birthweight

		<1,500 Grams		1,500-2,499 Grams		>2,500 Grams		
		Total	Number	Percent	Number	Percent	Number	Percent
Trimester Prenatal Care Began								
First	56,155	607	1.1	2,592	4.6	3,199	5.7	
Second	8,900	106	1.2	502	5.6	608	6.8	
Third	1,745	9	0.5	99	5.7	108	6.2	
None	559	45	8.1	82	14.7	127	22.7	
Unknown	134	3	2.2	21	15.7	24	17.9	
Number of Prenatal Care Visits								
No Visits	560	45	8.0	82	14.6	127	22.7	
1-4	2,084	160	7.7	241	11.6	401	19.2	
5-9	11,940	301	2.5	956	8.0	1,257	10.5	
10-12	30,869	144	0.5	1,156	3.7	1,300	4.2	
13+	21,814	110	0.5	838	3.8	948	4.3	
Unknown	226	10	4.4	23	10.2	33	14.6	
Smoked During Pregnancy								
No	54,692	563	1.0	2,224	4.1	2,787	5.1	
Yes	12,735	205	1.6	1,067	8.4	1,272	10.0	
Unknown	66	2	3.0	5	7.6	7	10.6	

Note: Included in the totals are 14 births for which birthweight was not reported. Infants weighing less than 2,500 grams or 5.5 pounds at birth are considered low birthweight. Infants weighing less than 1,500 grams or 3 pounds 5 ounces at birth are considered very low birthweight. A dash (-) indicates that there were no events in that category. A zero (0) indicates less than 0.5 percent..

Table D. Fetal, Neonatal, and Infant Deaths by Selected Characteristics of Mother

	Fetal (Gestation >20 weeks)		Neonatal (<28 days)		Infant (<1 year)	
	Number	Rate	Number	Rate	Number	Rate
Total	403	5.9	311	4.6	493	7.3
Sex of Infant						
Male	226	6.5	181	5.3	287	8.3
Female	172	5.2	130	3.9	206	6.2
Unknown	5	-	0	-	0	-
Birthweight						
1,499 Grams or Less	-	-	208	270.1	225	292.2
1,500-2,499 Grams	-	-	33	10.0	59	17.9
2,500+ Grams	-	-	66	1.0	205	3.2
Unknown	-	-	4	-	4	-
Plurality						
Single Birth	369	5.6	257	3.9	432	6.6
Multiple Birth	34	18.9	53	30.0	60	34.0
Unknown	0	-	1	-	1	-
Marital Status						
Married	265	5.4	177	3.6	264	5.4
Unmarried	138	7.4	133	7.2	228	12.4
Unknown	0	-	1	-	1	-
Education of Mother						
Elementary or Less	23	10.3	7	-	11	-
Some High School	56	6.3	58	6.6	107	12.2
High School Graduate	177	7.6	118	5.1	193	8.3
Some College	80	4.7	70	4.2	106	6.3
College Graduate	58	3.5	53	3.2	71	4.4
Unknown	9	-	5	-	5	-
Age of Mother						
<15	3	-	1	-	2	-
15-17	23	8.9	20	7.8	29	11.4
18-19	28	6.4	30	6.9	54	12.3
20-24	95	6.3	67	4.5	131	8.8
25-29	106	5.2	69	3.4	105	5.2
30-34	102	5.8	78	4.5	115	6.6
35-39	36	5.4	37	5.6	45	6.8
40+	10	-	8	-	11	-
Unknown	0	-	1	-	1	-

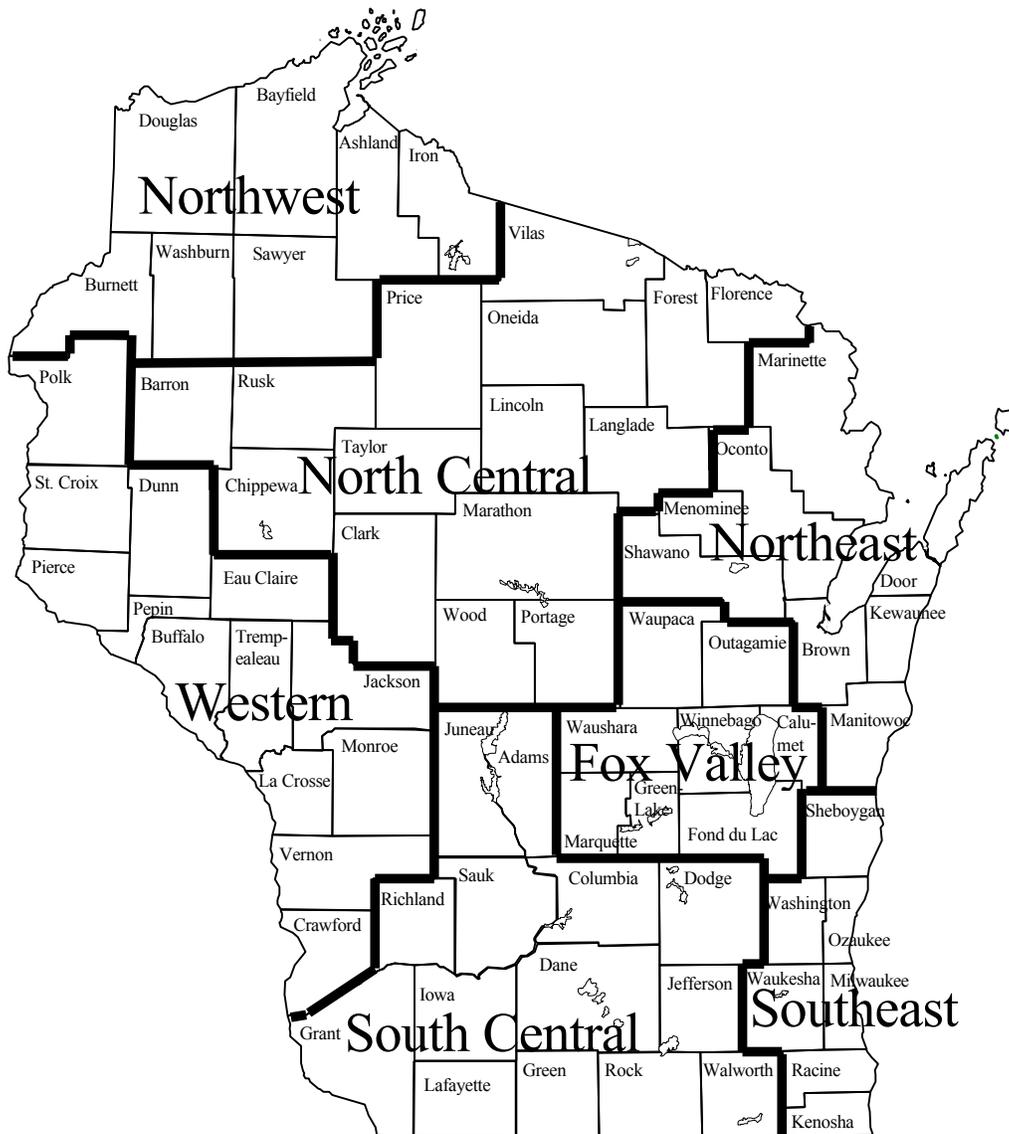
Table D. Fetal, Neonatal, and Infant Deaths by Selected Characteristics of Mother

	Fetal (Gestation >20 weeks)		Neonatal (<28 days)		Infant (<1 year)	
	Number	Rate	Number	Rate	Number	Rate
Race of Mother						
White	293	5.3	220	4.0	342	6.2
Black	74	11.3	70	10.8	116	17.9
Amer. Indian	5	-	1	-	5	-
Hispanic	16	-	15	-	25	8.8
Laotian/Hmong	7	-	3	-	3	-
Other	6	-	0	-	2	-
Unknown	2	-	2	-	0	-
Trimester Prenatal Care Began						
First	307	5.4	246	4.4	373	6.6
Second	55	6.1	38	4.3	78	8.8
Third	15	-	5	-	12	-
None	20	34.5	19	-	26	46.5
Unknown	6	-	3	-	4	-
Number of Prenatal Care Visits						
No Visits	21	36.1	20	35.7	27	48.2
1-4 Visits	98	44.9	81	38.9	98	47.0
5-9 Visits	158	13.1	108	9.0	150	12.6
10-12 Visits	78	2.5	49	1.6	116	3.8
13+ Visits	42	1.9	48	2.2	96	4.4
Unknown	6	-	5	-	6	-
Smoked During Pregnancy						
No	300	5.5	228	4.2	347	6.3
Yes	100	7.8	77	6.0	140	11.0
Unknown	3	-	5	-	5	-

Source: Fetal death and matched birth-death files, Center for Health Statistics.

Note: The fetal death rate is based on the number of fetal deaths per 1,000 live births and fetal deaths.
 The neonatal death rate is based on the number of neonatal deaths per 1,000 live births.
 The infant death rate is based on the number of infant deaths per 1,000 live births.
 Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.

Map 2. Wisconsin Perinatal Regions, 1995



Source: Wisconsin Center for Health Statistics.

Crosswalk to Previous Reports

The following chart is provided to assist users familiar with the *Maternal and Child Health Statistics* and *Vital Statistics* reports from previous years in locating comparable information in *Wisconsin Births and Infant Deaths, 1995*. The chart is organized by subject rather than following the order in any of these documents.

	Wisconsin Births and Infant Deaths	1994 Maternal and Child Health	1994 Vital Statistics
Summary Information			
Births and Fertility Rates	Pages 9,10, 25-27	Pages 5,6	Page 35
Birthweight	Page 21	Page 7	
Home Deliveries	Page 30	Page 30	
Hospital Deliveries	Page 29	Page 9	
Infant Mortality	Page 23	Page 10	
Marital Status	Page 14	Page 8	
Medical Risk Factors	Page 19	Page 8	
Obstetric Procedures	Page 20	Page 9	
Prenatal Care	Page 16	Page 6	
Smoking	Page 17	Page 8	
Births by Age of Mother			
	Table	Table	Table
and birth order	A1-A2	2.2.2, 2.2.4	
and birthweight	C	2.2.3	1.7
and education	A1-A2	2.2.1	
and marital status	A1-A2	2.2.1	1.3
and prenatal care	A1-A2	2.2.2	
and race	A1-A2	2.1.1	
and smoking status	A1-A2	2.2.2	
Births by Race of Mother			
and age	B1-B2	2.1.1	1.2
and birth order	B1-B2	2.1.3	1.2
and birthweight	C	2.1.8	1.2
and education	B1-B2	2.1.2	1.2
and marital status	B1-B2	2.1.3	1.2
and prenatal care	B1-B2	2.1.4	1.2
and smoking status	B1-B2	2.1.5	
Births by County			
and age	5a ,5b	2.7.1	1.6
and birthweight	15	2.7.3	
and prenatal care	11	2.7.2	
and race	7a ,7b	2.7.5	1.1
Births by Selected Cities			
	2	2.7.6, 2.7.7	1.6

	Wisconsin Births and Infant Deaths	1994 Maternal and Child Health	1994 Vital Statistics
Births by Region			
and age	6a ,6b	2.8.1, 2.8.2	
and birthweight	16	2.8.1, 2.8.2	
and education	10a,10b	2.8.1, 2.8.2	
and prenatal care	12	2.8.1, 2.8.2	
and race	8a,8b	2.1.10	
Infant Mortality			1.6
and age of mother	D	3.1.2	
and birthweight	D	3.4	
and education	D	3.2	
and marital status	D	3.2	
and plurality	D	3.3	
and prenatal care	D	3.3	
and race of mother	D	3.1.1	
and sex of infant	D	3.1.1	
and mother's smoking status	D	3.5	

Sources, Definitions and Explanations of Terms

National Figures. National figures were cited from Rosenberg HM, Ventura SJ, Maurer JD, et al. Births and Deaths: United States, 1995. Monthly vital statistics report; vol 45 no 3, supp 2. Hyattsville, Maryland: National Center for Health Statistics. 1996.

Race/Ethnicity Classifications. All live births, fetal deaths and infant deaths were classified by race or Hispanic origin of mother into one of six categories: non-Hispanic white, non-Hispanic black, non-Hispanic American Indian, Hispanic, Laotian/Hmong, and non-Hispanic other (which are almost entirely Asian). The Laotian/Hmong category consists of mothers whose race was indicated as “Laotian” or “Hmong” or mothers born in Laos. Hispanics may be of any race; in Wisconsin, approximately 97% of Hispanic women giving birth 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.

Birth Certificate Checklists. Beginning in 1989, data on maternal health, pregnancy, delivery, and some dimensions of birth outcomes were collected in the following birth certificate checklists: “Medical history for this pregnancy,” “Obstetric procedures,” “Events of labor and/or delivery,” “Method of delivery,” “Abnormal conditions of the newborn,” and “Congenital anomalies of child” (see sample birth certificate, page 69). These data were previously collected in a fill -in-the-blank format. Thus, data presented in annual reports for 1982-1988 on risk and treatment (“Type of delivery,” “Concurrent conditions of pregnancy,” “Complications of pregnancy,” “Complications of delivery,” and “Congenital anomalies”) are not comparable to the data presented in Maternal and Child Health Statistics annual reports since 1989.

Also to be noted are the limitations on comparability that relate to editing the medical checklist items since 1989. Each checklist (with the exception of “Method of delivery”) has an “other-specify” checkbox. Conditions reported in the “other-specify” category have been edited to exclude invalid reports from the database, and to ensure that those conditions that belong elsewhere in a checklist are properly reported. The editing process has varied each year, which affects comparability. This probably most affects data on “Medical history for this pregnancy” and “Congenital anomalies of child”; it also affects comparability of “Events of labor and/or delivery” and “Abnormal conditions of the newborn”. In 1990, this editing was done only for the “Congenital anomalies” and “Abnormal conditions” checklists. The decline in the reporting of congenital anomalies on birth certificates can be explained largely by new edits in 1994 that eliminate conditions formerly counted and by reduction of the average length of hospital stay for mothers and infants after delivery.

Definitions of "Medical Risk Factors for this Pregnancy," "Obstetric Procedures," "Complications of Labor and/or Delivery," "Abnormal Conditions of the Newborn" and "Congenital Anomalies of Child" were adapted from:

National Center for Health Statistics. Advance Report of New Data From the 1989 Birth Certificate. Monthly Vital Statistics Report; Vol 40 No 12, Supplement. Hyattsville Maryland: Public Health Service. 1992.

Prematurity. The 1995 report uses a prematurity index based on the computed estimate of gestational age, which is the difference between the date of last normal menses and the date of the infant's birth. The clinical estimate of gestational age (reported by the physician directly on the birth certificate) is substituted when the date of last normal menses is unknown. The use of this index decreases the number of unknown records on gestational age. Previous years reported some or all three measures.

Mortality.

Infant Death. 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 1995, rather than the mortality experience of the 1995 birth cohort, to allow more timely reporting on infant mortality.

Fetal Death. 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 1995 fetal deaths are not reported in this publication due to some fetal deaths that occurred to Wisconsin residents outside the state and underreporting within the state.

Maternal Deaths. There were 2 deaths in 1995 for which a maternal cause of death was reported on the death certificate. Before 1989, and beginning again in 1994, the Center for Health Statistics followed up deaths of women of childbearing age with inquiries about pregnancy-related causes of death. Maternal deaths in 1989-1993 may be underreported because this special study was not conducted.

Perinatal Regions. These tables present birth information for each of the seven Perinatal regions in Wisconsin (see Map 2, page 68). These regions were informally designated in the early 1970s by the Wisconsin Association for Perinatal Care, in cooperation with organizations representing public and private providers of perinatal services. Perinatal regions represent geographical boundaries within which there have been arrangements among providers of perinatal services to facilitate optimal treatment for pregnant women and newborns. Within each region, selected hospitals with capability to provide neonatal and maternal intensive care have been self-designated as perinatal centers. High-risk pregnancies and deliveries are often referred to or transported to these perinatal centers, as are high-risk babies born outside perinatal centers. Health care providers within the regions also collaborate in other ways to address perinatal health care issues as they arise.

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 Section of Vital Statistics 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.

There may be some underreporting of medical risk factors and obstetrical procedures used. There may also be underreporting of congenital anomalies which are identifiable at birth; in addition, some congenital anomalies cannot be detected until after the birth certificate is filed.

Medical Risk Factors for This Pregnancy

<i>Anemia</i>	Maternal hemoglobin level of less than 10.0 g/dL during pregnancy, or a hematocrit of less than 30 percent during pregnancy.
<i>Cardiac Disease</i>	Disease of the heart.
<i>Acute or Chronic Lung Disease</i>	Disease of the lungs during pregnancy.
<i>Diabetes</i>	Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset, and gestational diabetes during pregnancy.
<i>Genital Herpes</i>	Infection of the skin of the genital area by herpes simplex virus.
<i>Hydramnios/ Oligohydramnios</i>	Any noticeable excess (hydramnios) or lack (oligohydramnios) of amniotic fluid.
<i>Hypertension, Chronic</i>	Blood pressure persistently greater than 140/90, diagnosed prior to onset of pregnancy or before the 20th week of gestation.
<i>Hypertension, Pregnancy- Associated</i>	An increase in blood pressure of at least 30 mm hg systolic or 15 mm hg diastolic on two measurements taken 6 hours apart after the 20th week of gestation.
<i>Eclampsia</i>	The occurrence of convulsions and/or coma unrelated to other cerebral conditions in women with signs and symptoms of preeclampsia.

<i>Incompetent Cervix</i>	A condition characterized by painless dilation of the cervix in the second trimester or early in the third trimester of pregnancy, with premature expulsion of membranes through the cervix and ballooning of the membranes into the vagina, followed by rupture of the membranes and subsequent expulsion of the fetus.
<i>Previous Infant 4,000+ Grams</i>	Previous birth of a live-born child with a birth weight of over 4,000 grams (8 lbs 14 oz).
<i>Previous Preterm or SGA Infant</i>	Previous birth of an infant prior to term (before 37 completed weeks of gestation), or of an infant weighing less than the 10th percentile for gestational age, using a standard weight-for-age chart. (SGA: small for gestational age).
<i>Renal Disease</i>	Kidney disease.
<i>Rh Sensitization</i>	The process or state of becoming sensitized to the Rh blood factor, as when an Rh-negative woman is pregnant with an Rh-positive fetus.
<i>Uterine Bleeding</i>	Any clinically significant bleeding during the pregnancy, taking into consideration the stage of pregnancy; any second- or third-trimester bleeding of the uterus prior to the onset of labor.

Obstetric Procedures

<i>Amniocentesis</i>	Surgical transabdominal perforation of the uterus to obtain amniotic fluid to be used in the detection of genetic disorders, fetal abnormalities, and fetal lung maturity.
<i>Electronic Fetal Monitoring</i>	Monitoring with external devices applied to the maternal abdomen or with internal devices with an electrode attached to the fetal scalp and a catheter through the cervix into the uterus, to detect and record fetal heart tones and uterine contractions.
<i>Induction of Labor</i>	The initiation of uterine contractions before the spontaneous onset of labor by medical and/or surgical means for the purpose of delivery.
<i>Stimulation of Labor</i>	Augmentation of previously established labor by use of oxytocin.
<i>Tocolysis</i>	Use of medications to inhibit preterm uterine contractions to extend the length of pregnancy and, therefore, avoid a preterm birth.
<i>Ultrasound</i>	Visualization of the fetus and the placenta by means of sound waves.

Congenital Anomalies of Child

<i>Anencephalus</i>	Absence of the cerebral hemispheres.
<i>Spina Bifida/ Meningocele</i>	Developmental anomaly characterized by defective closure of the bony encasement of the spinal cord, through which the cord and meninges may or may not protrude.
<i>Hydrocephalus</i>	Excessive accumulation of cerebrospinal fluid within the ventricles of the brain with consequent enlargement of the cranium.
<i>Microcephalus</i>	A significantly small head.
<i>Other Central Nervous System</i>	Other specified anomalies of the brain, spinal cord, and nervous system.
<i>Heart Malformations</i>	Congenital anomalies of the heart.
<i>Other Circulatory/ Respiratory</i>	Other specified anomalies of the circulatory and respiratory systems.
<i>Rectal Atresia/ Stenosis</i>	Congenital absence, closure, or narrowing of the rectum.
<i>Tracheo-Esophageal Fistula/Esophageal Atresia</i>	An abnormal passage between the trachea and the esophagus; esophageal atresia is the congenital absence or closure of the esophagus.
<i>Omphalocele/ Gastroschisis</i>	An omphalocele is a protrusion of variable amounts of abdominal viscera from a midline defect at the base of the umbilicus. In gastroschisis, the abdominal viscera protrude through an abdominal wall defect, usually on the right side of the umbilical cord insertion.
<i>Other Gastro- intestinal</i>	Other specified congenital anomalies of the gastrointestinal system.
<i>Malformed Genitalia</i>	Congenital anomalies of the reproductive organs.
<i>Renal Agenesis</i>	One or both kidneys are completely absent.
<i>Other Urogenital Anomalies</i>	Other specified congenital anomalies of the organs concerned in the production and excretion of urine, together with organs of reproduction.
<i>Cleft Lip/Palate</i>	Cleft lip is a fissure or elongated opening of the lip; cleft palate is a fissure in the roof of the mouth. These are failures of embryonic development.

Technical Notes

<i>Polydactyly/ Syndactyly, Adactyly</i>	Polydactyly is the presence of more than five digits on either hands and/or feet; syndactyly is having fused or webbed fingers and/or toes; adactyly is the absence of fingers and/or toes.
<i>Clubfoot</i>	Deformity of the foot, which is twisted out of shape or position.
<i>Diaphragmatic Hernia</i>	Herniation of the abdominal contents through the diaphragm into the thoracic cavity, usually resulting in respiratory distress.
<i>Other Musculo- skeletal/ Integumental</i>	Other specified congenital anomalies of the muscles, skeleton, or skin.
<i>Down Syndrome</i>	The most common chromosomal defect, with most cases resulting from an extra chromosome (trisomy 21).
<i>Other Chromosomal Anomalies</i>	All other chromosomal aberrations.