

Wisconsin Births and Infant Deaths 1997

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

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

Introduction

This report presents information about births that occurred in 1997 to Wisconsin residents. Information from previous years is also presented to show changes over time. Included is information on the number and rate of live 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 included is information about infants who died before their first birthday, and fetuses of more than 20 weeks gestation who were stillborn.

All data in this report refer to Wisconsin residents unless otherwise noted. In most tables, events have been assigned to the area where the person lives (usually legal residence), regardless of the place of the event. For births, the reference is to the residence of the mother. For deaths, the reference is to the residence of the infant.

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: Wisconsin resident birth certificate file, matched birth-death file, and fetal death file. The tables and graphics presented were designed to make these indicators easily accessible, while allowing users flexibility. Most tables include the frequencies of events or conditions, along with percentages or rates. In general, bar graphs show cross-sectional data for 1997 (and comparative information for 1987 or 1992); line graphs show time trends, and vary in the years shown for comparison.

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 all states in conjunction with the National Center for Health Statistics. A sample of the Wisconsin birth record is included in the Technical Notes (pages 93 and 94).

Since 1995, *Wisconsin Births and Infant Deaths* has contained information previously reported in *Maternal and Child Health Statistics* and the natality and infant mortality sections of *Vital Statistics*. To facilitate comparisons, the Technical Notes contain a crosswalk to provide guidance in locating information in this report that corresponds to data in previous reports.

Birth, death, hospitalization and other health-related information is also available on the Internet through the Department of Health and Family Services home page, at www.dhfs.state.wi.us/index.htm.

The Bureau of Health Information 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 Bureau of Health Information, Vital Records Section, Registration and Statistics Unit, collected and compiled the birth, infant death and fetal death records. Jan Silbaugh prepared the report, and Patricia Nametz and Randall Glysch updated the narrative. Ms. Nametz also edited the report. Page layout and graphic technical assistance were provided by Karen Gedko. The project was supervised by Jane Kraus and Mary Erikson, supervisors in the Bureau of Health Information.

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Key Findings

- In 1997, there were 66,490 live births to Wisconsin residents, 586 fewer than in 1996. This marked the seventh consecutive year in which the number of births to Wisconsin residents declined.
- The 1997 crude birth rate was 12.7 births per 1,000 total population, the lowest rate in 87 years of reporting Wisconsin birth rates. The preliminary United States crude birth rate for 1997 was 14.6 per 1,000 total population.
- The 1997 general fertility rate of 57.6 births per 1,000 Wisconsin females aged 15-44 was lower than the United States 1997 preliminary general fertility rate of 65.3 (see Technical Notes, page 97, for source of U.S. data).
- In 1997, the fertility rate for Wisconsin teens aged 15-19 was 36.3 births per 1,000 females in this age group (compared with 52.9 nationally). The Wisconsin teen fertility rate has decreased each year since 1991, and has generally been about two-thirds the national rate.
- Wisconsin age-specific fertility rates were also lower than the national rates for women aged 20-24 and ages 35 and older, while fertility rates among Wisconsin women aged 25-34 were slightly higher than national rates (see page 8).
- From 1987 to 1997, the percent of total births that occurred among women aged 18-29 decreased, while the percent of births to teens less than 18 years old and women aged 30 and older increased.
- Twenty-eight percent of Wisconsin births in 1997 were to unmarried mothers, compared to 21 percent in 1987. The percentage of unmarried mothers in Wisconsin in 1997 was lower than the national rate of 32 percent.
- In both 1987 and 1997, 16 percent of Wisconsin women who gave birth had less than a high school education. Fifty-one percent of women who gave birth in 1997 had one year of college or more, compared to 40 percent in 1987.
- While the overall proportion of women who received first-trimester prenatal care remained roughly stable from 1987 to 1997, the proportion increased among teenagers, among females aged 40 and over, and within each race/ethnicity group.
- The proportion of women giving birth who reported that they smoked during pregnancy decreased from 22 percent in 1992 to 18 percent in 1997.
- In Wisconsin, 4,262 infants weighed less than 2,500 grams (about 5.5 pounds) at birth, representing 6.4 percent of all births in 1997. The comparable percentage in 1987 was 5.4 percent. Preliminary national data indicate that 7.5 percent of all infants born in 1997 weighed less than 2,500 grams at birth.
- In Wisconsin, 431 infants (under age one) died in 1997, for an infant mortality rate of 6.5 deaths per 1,000 live births, a record low. The 1997 preliminary national infant mortality rate was 7.1 infant deaths per 1,000 live births.

**Ten Most Popular First Names for Newborns,
Wisconsin, 1997**

Females

1. Emily
2. Hannah
3. Samantha
4. Megan
5. Elizabeth
6. Taylor
7. Sarah
8. Ashley
9. Rachel
10. Kayla

Males

1. Jacob
2. Michael
3. Austin
4. Matthew
5. Tyler
6. Nicholas
7. Zachary
8. Joshua
9. Andrew
10. Brandon

Notes: This ranking counts each spelling as a separate name. The list would change somewhat if different spellings were grouped together and counted as one name. For example, counting Kaitlyn, Katelyn, Caitlin and Kaitlin as one name would place it into the top ten list for 1997.

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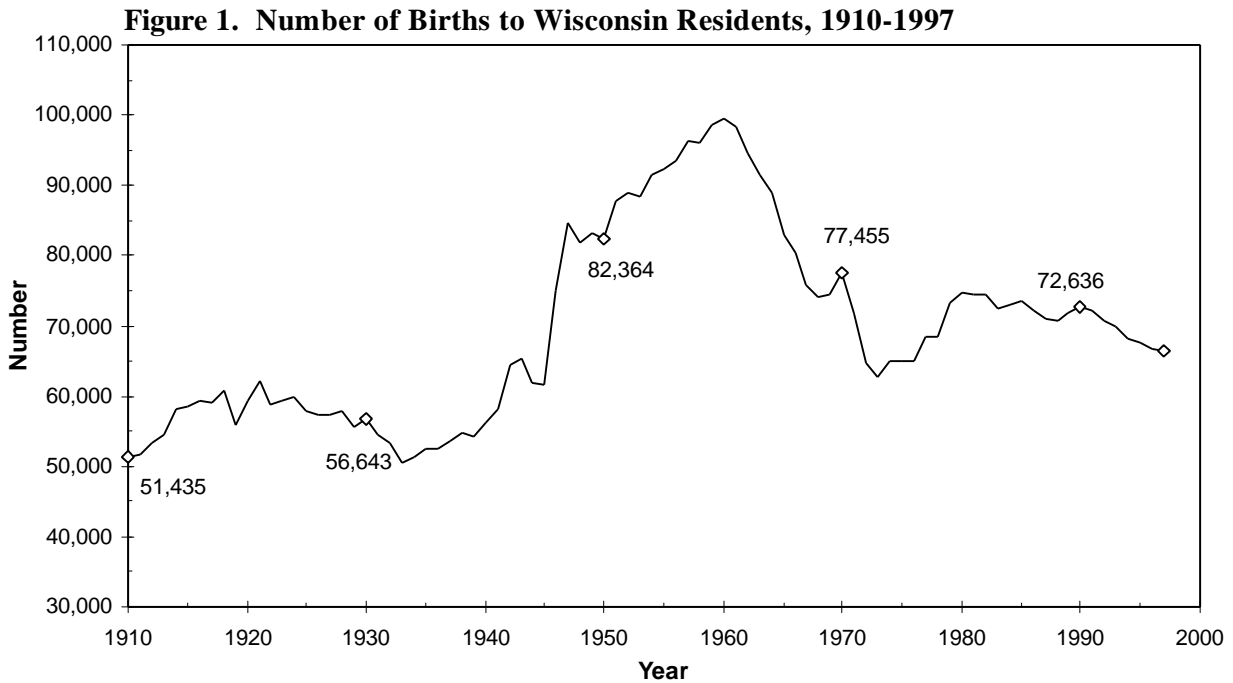
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Birth and Fertility Rates

- In 1997, there were 66,490 births to Wisconsin residents, 586 fewer than in 1996.
- 1997 marked the seventh consecutive year in which the number of births to Wisconsin residents declined.
- The 1997 crude birth rate was 12.7 births per 1,000 population, the lowest in 87 years of reporting Wisconsin birth rates. In comparison, the preliminary United States crude birth rate for 1997 was 14.6 births per 1,000 population. (The crude birth rate is the number of live births per 1,000 estimated total population).
- The 1997 general fertility rate of 57.6 births per 1,000 Wisconsin females ages 15-44 was lower than the preliminary United States general fertility rate of 65.3 births per 1,000 females in this age group.



Notes: A live birth is the complete expulsion or extraction of an infant from its mother, regardless 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, all births referred to in this report are live births to Wisconsin residents.

- Age-specific fertility rates (number of births to a specific age group per 1,000 females in that age group) for 1997 were:

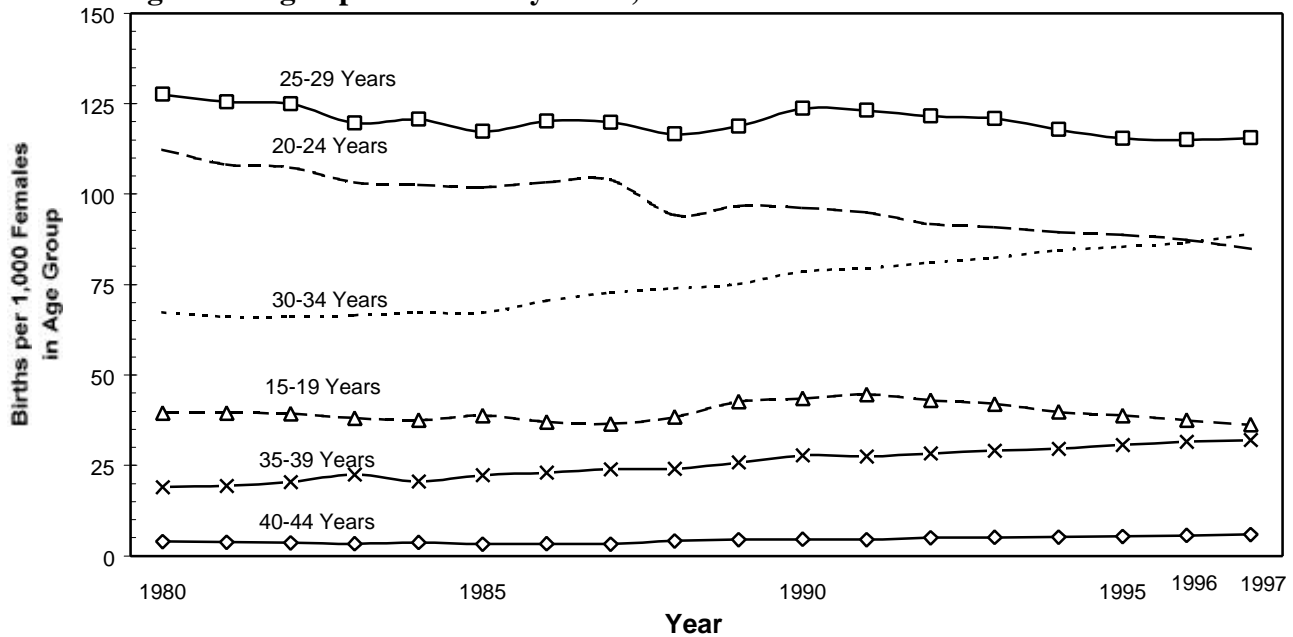
Age	Wisconsin Rate	U. S. Rate
15-19	36.3	52.9
15-17	22.5	32.6
18-19	58.5	84.4
20-24	84.8	110.9
25-29	115.5	114.3
30-34	89.0	85.4
35-39	32.0	36.0
40-44	5.9	6.6

Notes: Wisconsin rates shown for births to mothers ages 15-19 and 15-17 include 163 births to mothers less than 15 years old; the rate for mothers aged 40-44 includes 56 births to mothers aged 45 or older. U.S. rates for ages 15-19 and 15-17 do not include births to mothers less than 15 years old; the U.S. rate for ages 40-44 does not include births to mothers aged 45 or older.

- Wisconsin age-specific fertility rates are lower than the corresponding national rates for teens, women aged 20-24 and women aged 35 and older.
- Fertility rates among Wisconsin women aged 25-34 are slightly higher than national rates, based on United States 1997 preliminary statistics. (See Technical Notes, page 97, for source of U. S. data.)

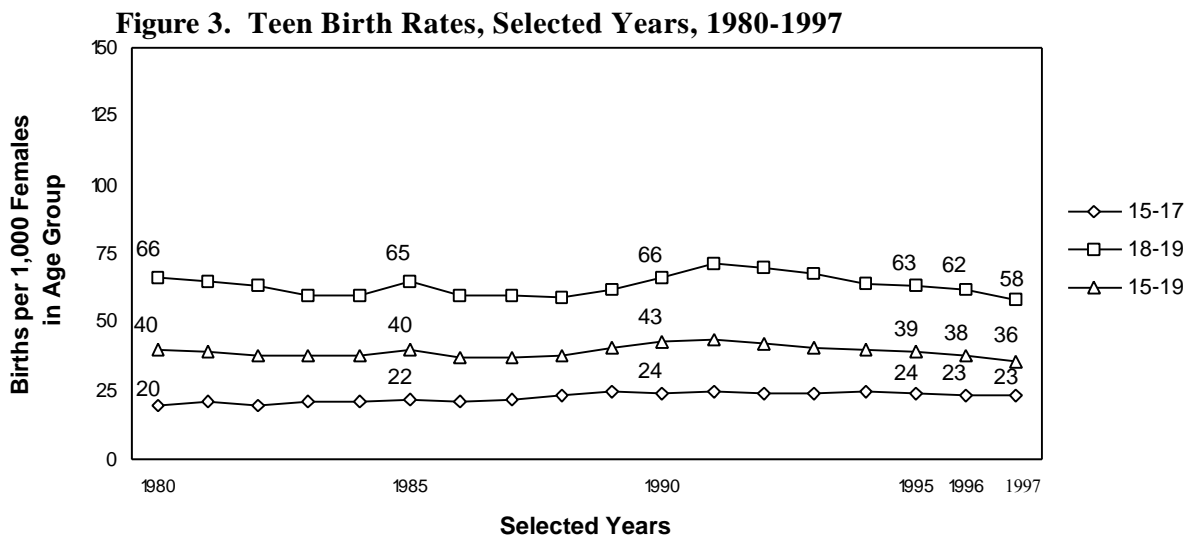
- Compared with 1980, age-specific fertility rates in 1997 were:
 - Relatively unchanged for teens, women aged 25-29, and women aged 40-44,
 - Lower for women aged 20-24, and
 - Higher for women aged 30-34 and 35-39.

Figure 2. Age-Specific Fertility Rates, 1980-1997



Notes: The fertility rate for Wisconsin females ages 15-19 is based on that age-specific population but includes births to mothers less than 15 years old. The fertility rate for females aged 40-44 is based on that age-specific population but includes births to mothers aged 45 and older.

- In 1997, the fertility rate for Wisconsin teens aged 15-19 was 36.3 births per 1,000 females in this age group (compared with 37.5 in 1996). The Wisconsin teen fertility rate has decreased annually since 1991.
- The Wisconsin teen fertility rate has generally been about two-thirds the comparable national rate. In 1997, the U. S. teen fertility rate was 52.9.



Note: Fertility rates for ages 15-17 and 15-19 are based on these age-specific populations, but include births to mothers younger than 15 years old.

Characteristics of the Mother

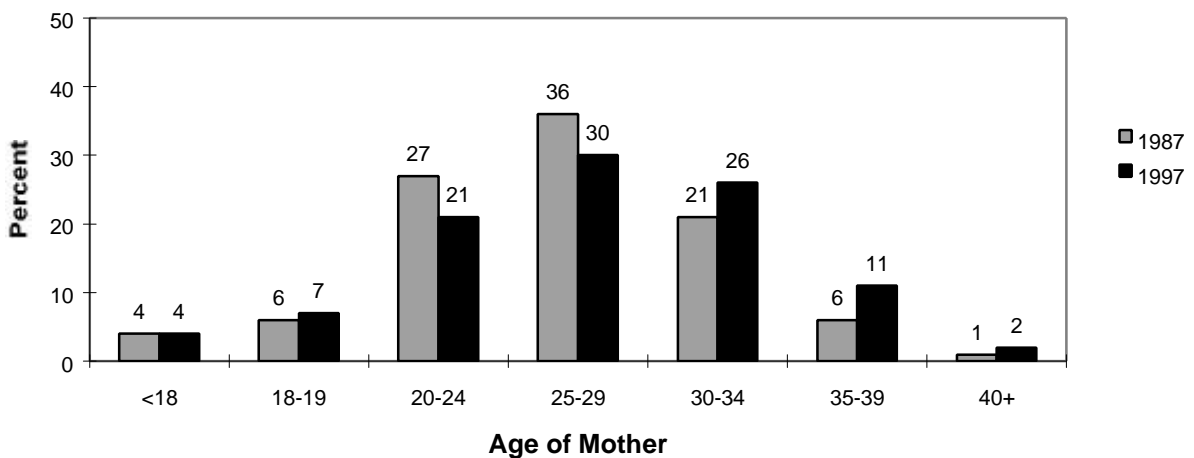
Age

Births in 1997 included:

163	births to teens less than 15 years old
2,541	births to teens 15-17 years old
4,384	births to teens 18-19 years old
13,972	births to women aged 20-24
19,994	births to women aged 25-29
17,198	births to women aged 30-34
7,008	births to women aged 35-39
1,172	births to women aged 40-44
56	births to women aged 45 or older
2	births with unreported maternal age.

- From 1987 to 1997, the percent of births to women in their twenties decreased, while the percent of births to women in their thirties increased (see Figure 4). The proportion of births to teens remained roughly stable.

Figure 4. Percent of Births by Age of Mother, 1987 and 1997



Note: For detailed information on 1997 births by age of mother, see Supplementary Tables A1 and A2, pages 83 and 84.

Births to Teens

- The majority of births to teens (under 20 years of age) were to older teens, aged 18-19. This was also true in 1987.

Teen Births by Age, 1987 and 1997

Maternal Age (Teens)	1987		1997	
	Number	Percent	Number	Percent
<15	114	2%	163	2%
15-17	2,369	34	2,541	36
18-19	4,425	64	4,384	62
Total <20	6,908	100%	7,088	100%

- Owing to their majority share of the Wisconsin population, non-Hispanic whites make up the largest number of teen births in the state (4,160 in 1997).
- Teen births represented 10.7 percent of all births but roughly double that proportion among births to American Indians, Hispanics and Laotian/Hmong. Teen births represented 28.9 percent of all births to blacks in 1997.

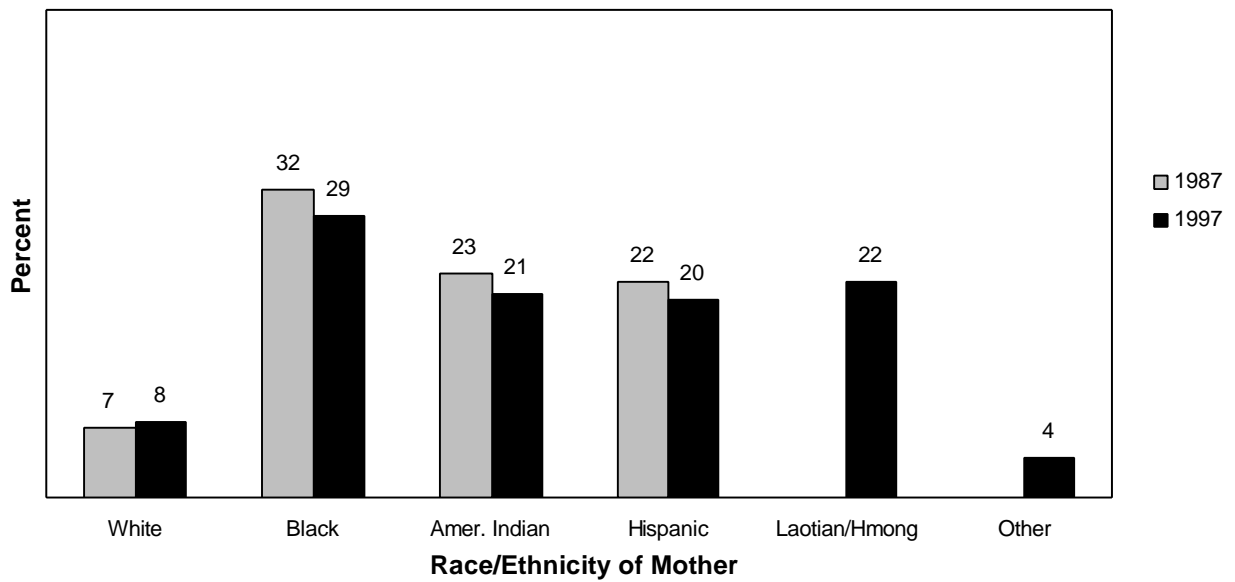
Teen Births by Race/Ethnicity, 1997

Race/Ethnicity	Number of Births		Percent of Births		
	Total	Teens (<20)	Teens (<20)	Ages 20+	Total
Total	66,490	7,088	10.7%	89.3%	100.0%
White	54,239	4,160	7.7	92.3	100.0
Black	6,366	1,837	28.9	71.1	100.0
American Indian	822	171	20.8	79.1	100.0
Hispanic	3,206	652	20.3	79.7	100.0
Laotian/Hmong	1,058	235	22.2	77.8	100.0
Other	796	33	4.1	95.9	100.0

Note: Included in the total are 3 births for which race/ethnicity of mother was not reported.

- Within each race/ethnicity category, the percent of births to teens has been fairly stable for the past decade.

Figure 5. Births to Teens as a Percent of Total Births, by Race/Ethnicity, 1987 and 1997



Notes: See Technical Notes for full definitions of race/ethnicity categories. There are no comparable 1987 data available for the Laotian/Hmong or Other groups.

Race/Ethnicity

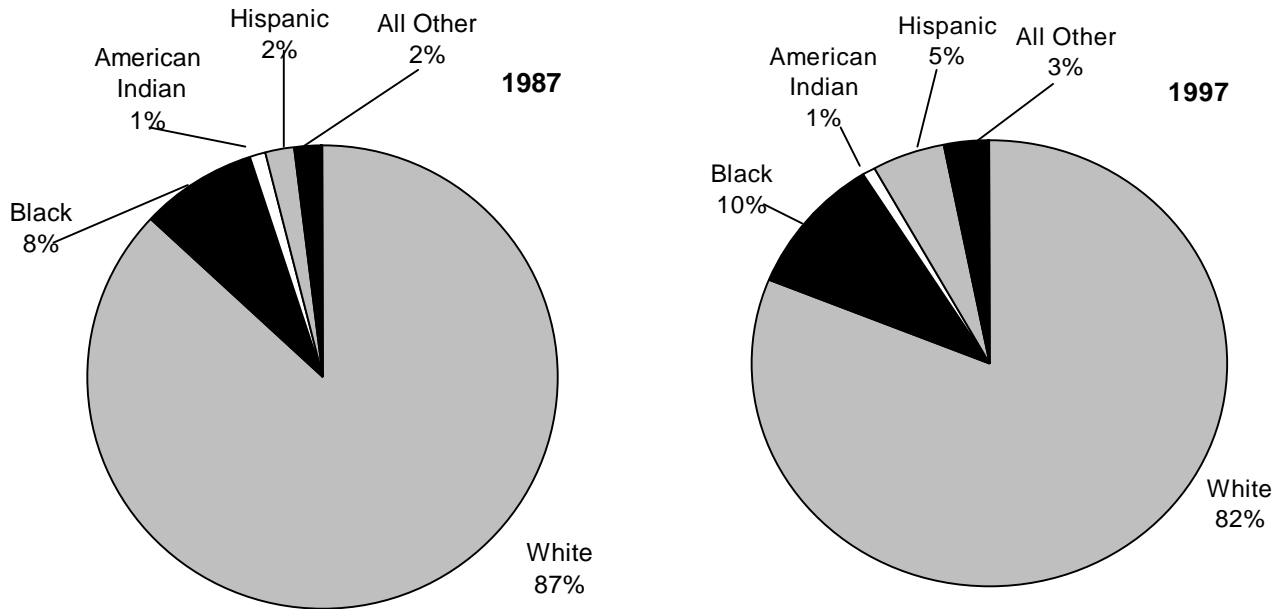
- In 1997, 54,239 births (81.6%) were to non-Hispanic white women. This percentage continues a gradual decline that began over 26 years ago (it was 93% in 1971).
- 6,366 births (9.6%) were to non-Hispanic black women. The percent of births to black women has been fairly stable since 1987.
- 822 births (1.2%) were to American Indian women. This proportion has been stable for the past decade.
- 3,206 births (4.8%) were to Hispanic women. Since 1987, this group has represented an increasing proportion of births, partly reflecting a 1989 change in how Hispanic ethnicity is reported on the birth certificate. The 1989 revision added a Hispanic origin question, separate from the race categories.
- 1,058 births (1.6%) were to Laotian/Hmong women.
- An additional 796 births (1.2%) were to women in other racial groups.

Number and Percent of Births by Race/Ethnicity, 1987 and 1997

	1987		1997	
	Number	Percent	Number	Percent
Total	70,907	100.0%	66,490	100.0%
White	61,703	87.0	54,239	81.6
Black	6,024	8.5	6,366	9.6
American Indian	783	1.1	822	1.2
Hispanic	1,224	1.7	3,206	4.8
Laotian/Hmong			1,058	1.6
Other			796	1.2
Unknown			3	

Notes: The 1987 total includes one birth for which the mother’s race is unknown. There are no comparable data for 1987 for the Laotian/Hmong and “other” groups.

Figure 6. Percent of Births by Race of Mother, 1987 and 1997

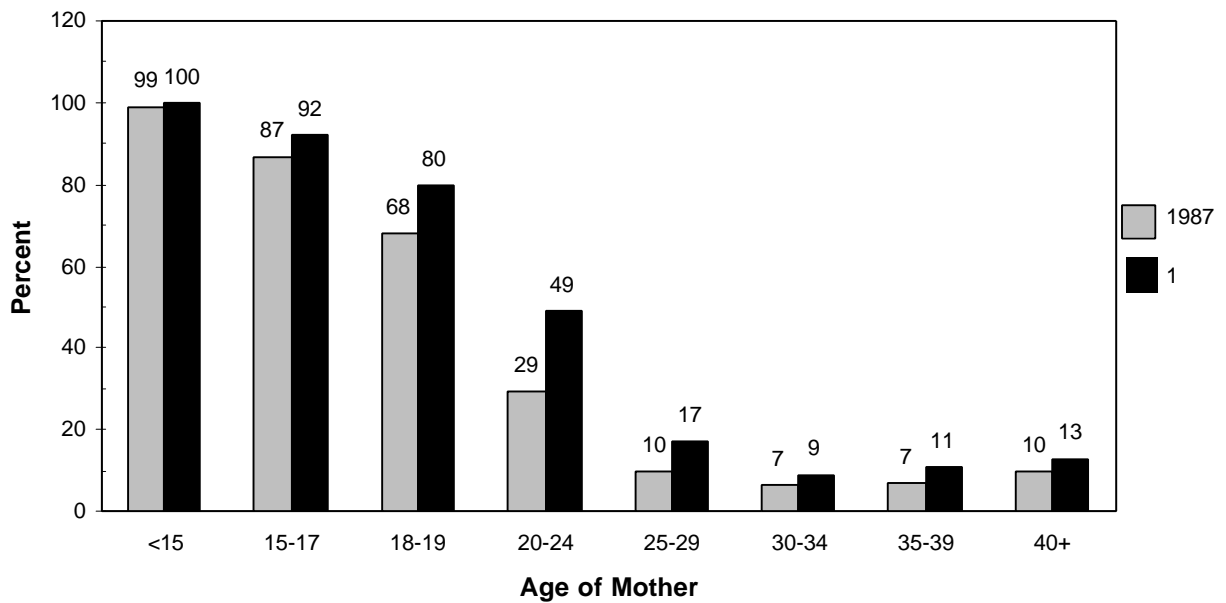


Notes: See Technical Notes for full definitions of race/ethnicity categories. For detailed information on 1997 births by race of mother, see Supplementary Tables B1 and B2, pages 85 and 86. Percents may not add to 100 due to rounding.

Marital Status

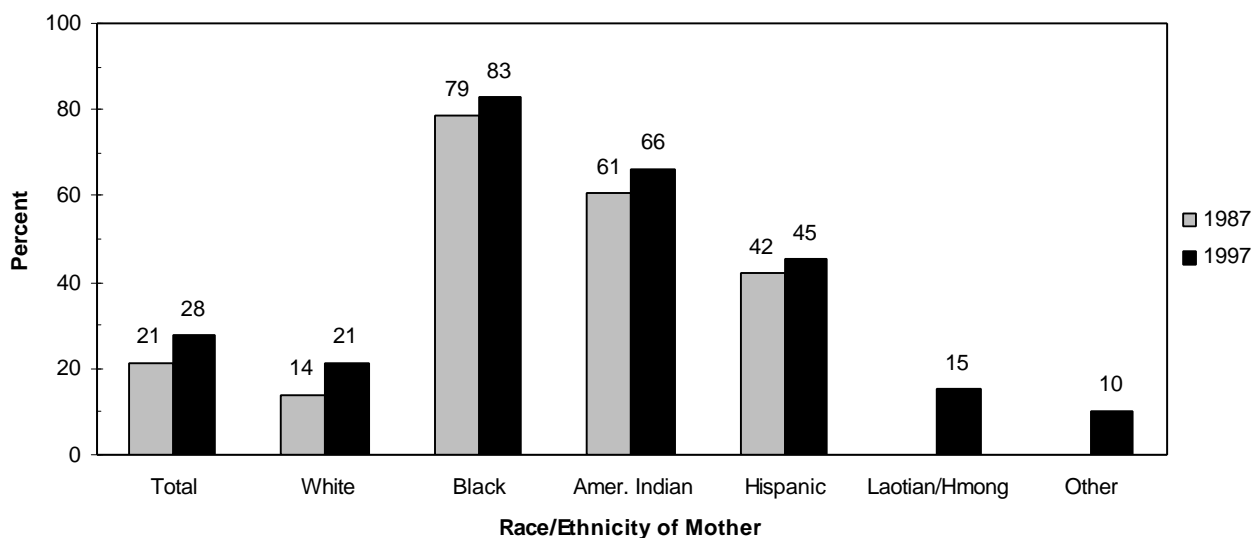
- From 1987 to 1997, the percent of births to unmarried women increased in every maternal age group.
- In general, the percent of mothers who are unmarried decreases with age. Eighty percent of those 18 to 19 years old giving birth in 1997 were unmarried, compared with only 9 percent of those aged 30-34.

Figure 7. Percent of Births to Unmarried Mothers, by Age, 1987 and 1997



- More births were to unmarried mothers in 1997 (28%) than in 1987 (21%). The percent of non-marital births increased in each race/ethnicity group.
- The Wisconsin percentage of births to unmarried mothers in 1997 was lower than the national percent (28% versus 32%). However, the percentage of births to unmarried mothers was higher in Wisconsin than nationally among blacks (83% vs. 69%) and Hispanics (45% vs. 41%).

Figure 8. Percent of Births to Unmarried Mothers, by Race/Ethnicity, 1987 and 1997



Notes: See Technical Notes for full definitions of race/ethnicity categories. There are no comparable 1987 data for the Laotian/Hmong or Other groups.

Education

- In both 1987 and 1997, 16 percent of women who gave birth had not finished high school. This proportion varied by age so that the percentages with less than a high school education in 1997 were:

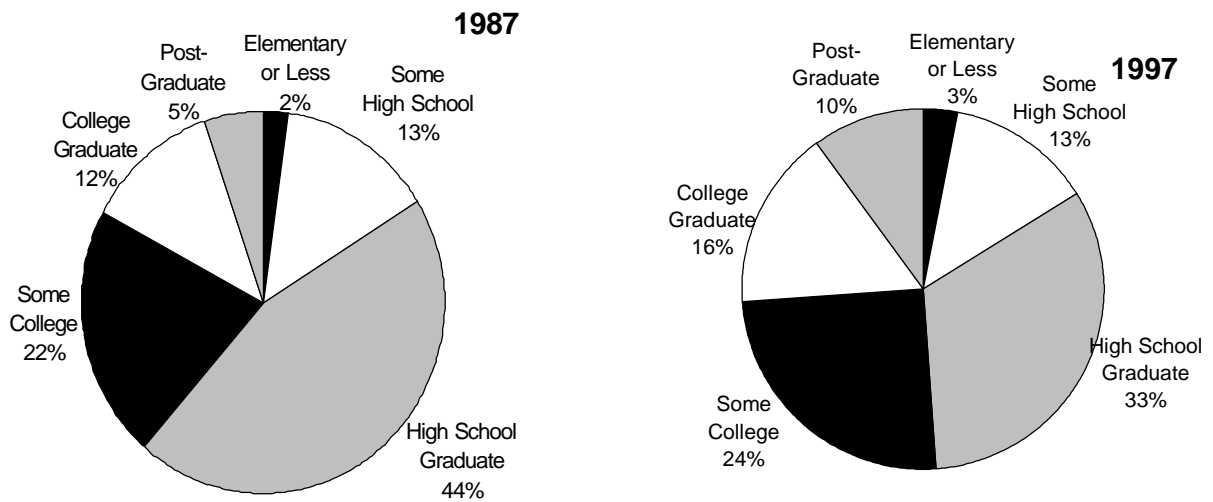
94%	among mothers <18
44%	among mothers 18-19
22%	among mothers 20-24
8%	among mothers 25-29
6%	among mothers 30-34
6%	among mothers 35-39
12%	among mothers 40 or older

- On average, mothers in minority race/ethnicity groups were less likely to have completed high school. In 1997, the proportions of births to women with less than a high school education were:

10%	among whites
43%	among blacks
34%	among American Indians
49%	among Hispanics
63%	among Laotian/Hmong
10%	among other race/ethnicity groups

- Fifty-one percent of women who gave birth in 1997 had attended college for one year or more. The comparable percentage in 1987 was 40 percent.

Figure 9. Percent of Births by Education of Mother, 1987 and 1997



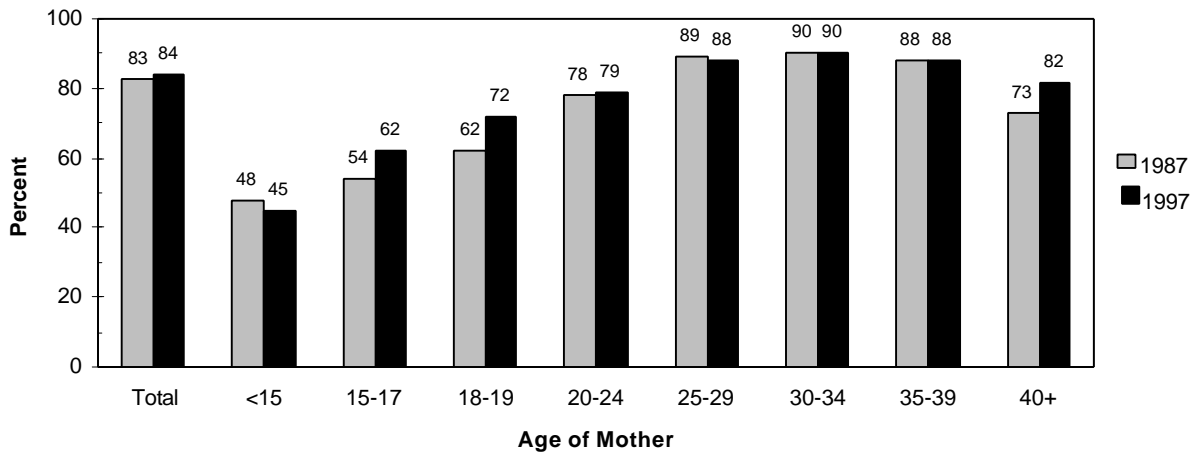
Notes: “Some High School” or “Some College” means the mother completed at least one year of schooling at that level. For detailed information on 1997 births by education of mother, see Supplementary Tables A-C, pages 83 to 88. Percents may not add to 100 due to rounding.

Characteristics of the Pregnancy and Delivery

Prenatal Care

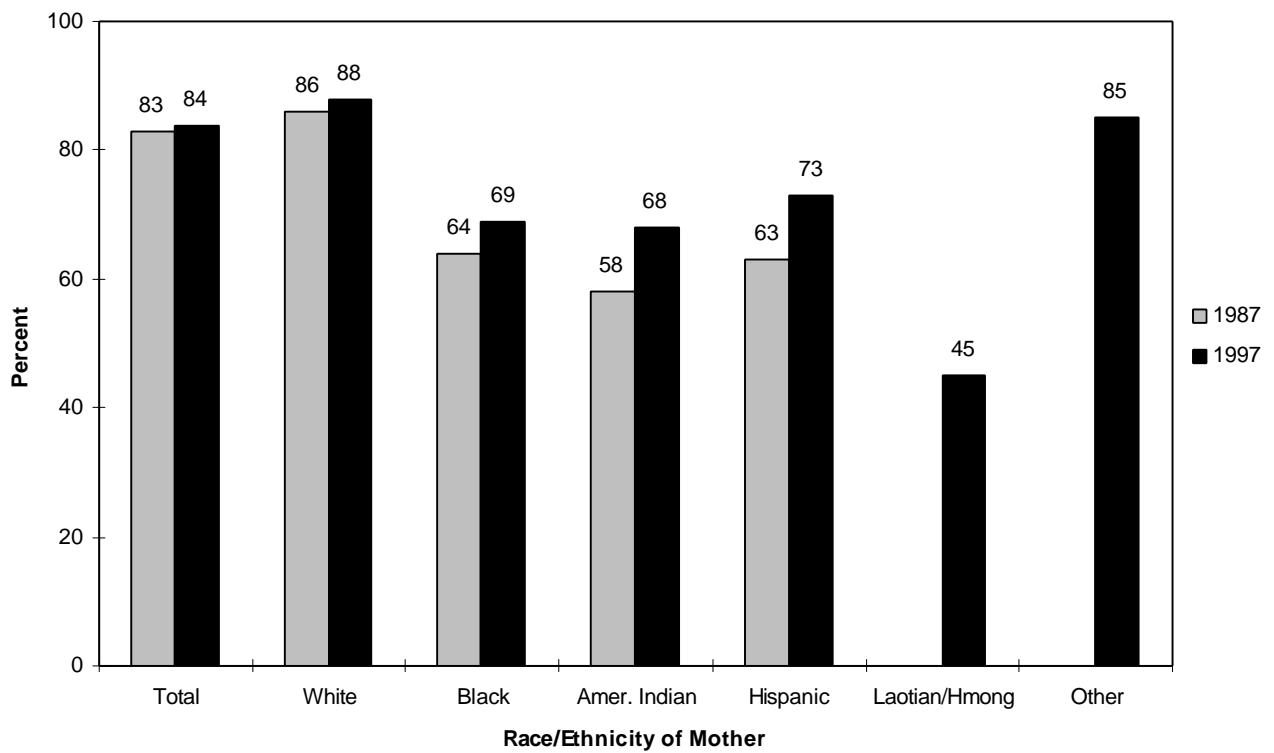
- The overall proportion of women who received first-trimester prenatal care was nearly the same in 1997 (84%) as in 1987 (83%).
- Teenage mothers and mothers age 40 and older were more likely to receive first-trimester care in 1997 than in 1987.
- Eighty-four percent of Wisconsin women received first-trimester prenatal care in 1997, a higher proportion than the preliminary national figure (82.5%).

Figure 10. Percent of Births to Mothers Who Received First-Trimester Prenatal Care, by Age, 1987 and 1997



- From 1987 to 1997, the proportion receiving first-trimester care increased within each race/ethnicity group.

Figure 11. Percent of Births to Mothers Who Received First-Trimester Prenatal Care, by Race/Ethnicity, 1987 and 1997

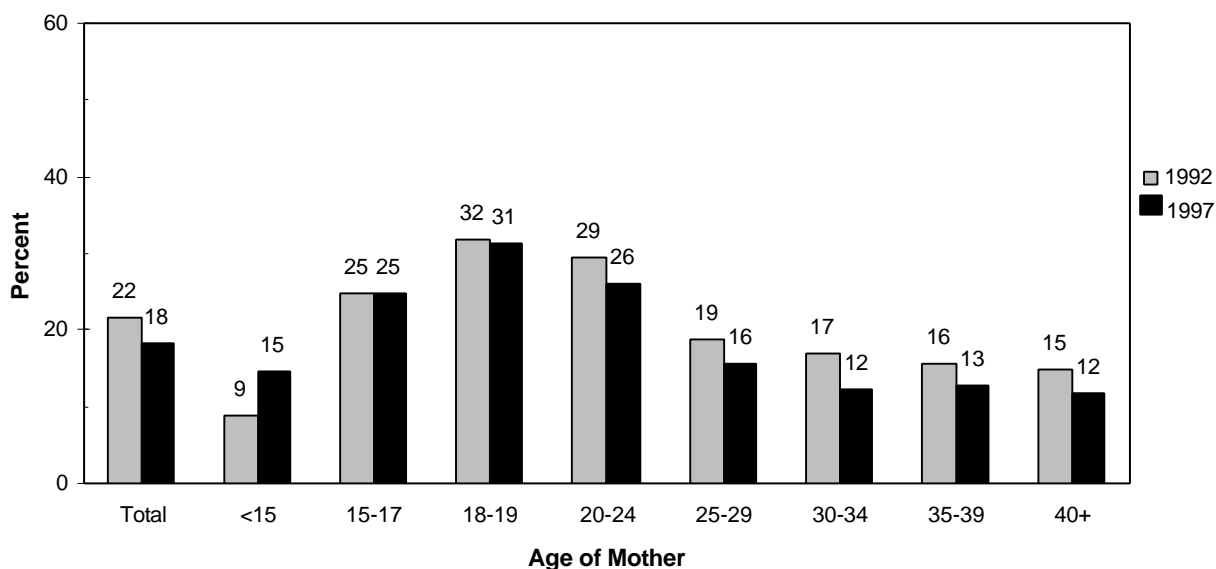


Notes: See Technical Notes for full definitions of race/ethnicity categories. There are no comparable 1987 data available for the Laotian/Hmong or Other groups.

Cigarette Smoking

- 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.
- The proportion of women who reported that they smoked during pregnancy decreased from 22 percent in 1992 to 18 percent in 1997. The 1997 percent was unchanged from 1996 (18%).
- From 1992 to 1997, smoking during pregnancy declined in most maternal age groups. Smoking increased among mothers under 15 years of age (from 9% to 15%) and remained stable among mothers aged 15-17 (25% in both years).

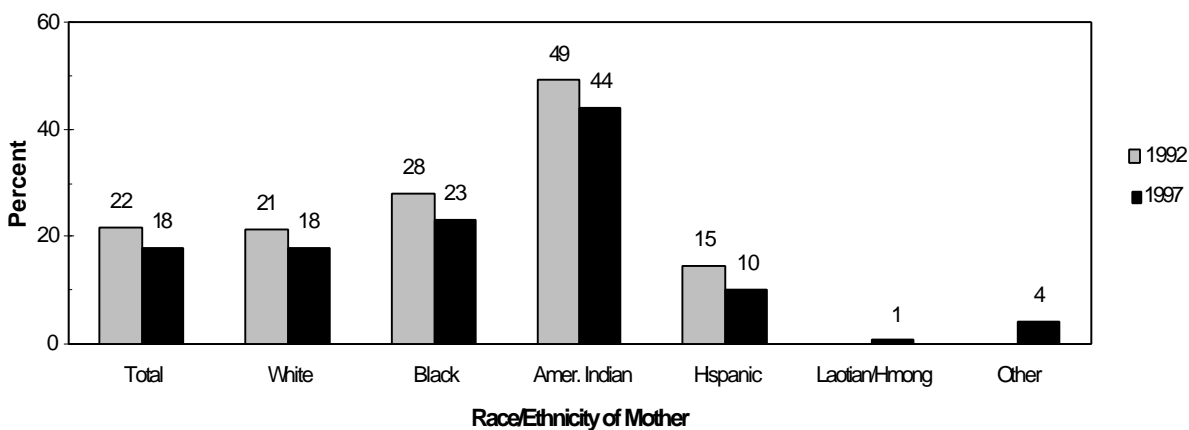
Figure 12. Percent of Births to Mothers Who Reported Smoking Cigarettes During Pregnancy, by Age, 1992 and 1997



Notes: A question about self-reported smoking during pregnancy was introduced on the 1989 birth certificate. Results of this question have been analyzed since 1992. For detailed information on 1997 births by smoking behavior during pregnancy, see Supplementary Tables A, B and C, pages 83 to 88.

- From 1992 to 1997, the percentage of mothers who reported smoking during pregnancy declined in each race/ethnicity group.
- No data are presented on mother’s self-reported use of alcohol during pregnancy, because this item is probably under-reported on the birth reporting form. This conclusion is based on the inconsistency between birth certificate data (2% of mothers reported drinking during pregnancy in 1997) and the 1996 Behavioral Risk Factor Survey (71% of Wisconsin women aged 18-44 reported drinking within the past month).

Figure 13. Percent of Births to Mothers Who Reported Smoking Cigarettes During Pregnancy, by Race/Ethnicity, 1992 and 1997



Notes: See Technical Notes for full definitions of race/ethnicity categories. There are no comparable 1992 data available for the Laotian/Hmong or Other groups. For detailed information on 1997 births by smoking behavior during pregnancy, see Supplementary Tables A, B and C, pages 83 to 88.

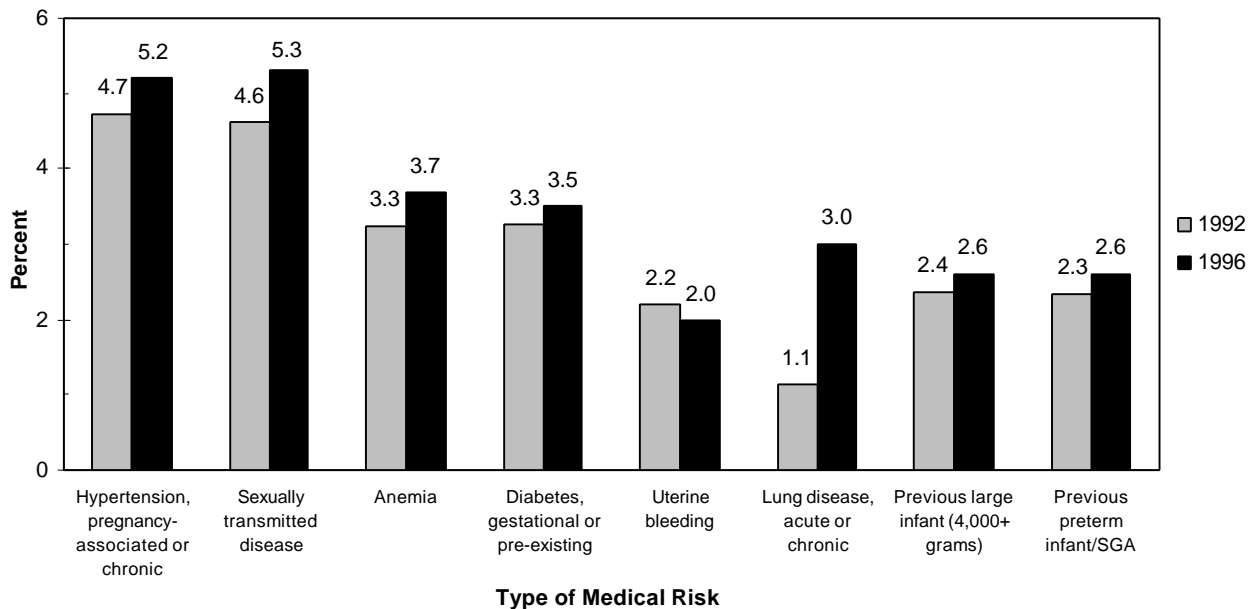
Medical Risk Factors

In 1997, births with reported maternal medical risk factors included:

Sexually Transmitted Diseases	3,541	5.3%
Hypertension	3,543	5.3
Pregnancy-Associated	3,044	4.6
Chronic	499	0.8
Anemia	2,375	3.6
Diabetes	2,348	3.5
Gestational	2,063	3.1
Pre-Existing	285	0.4
Lung Disease, Acute or Chronic	1,971	3.0
Previous Large Infant (4,000+ grams)	1,686	2.5
Previous Preterm Infant/SGA	1,682	2.5
Uterine Bleeding	1,168	1.8
Cardiac Disease	857	1.3
Hydramnios/Oligohydramnios	705	1.1
Rh Sensitization	415	0.6
Renal Disease	632	1.0
Eclampsia	207	0.3
Incompetent Cervix	243	0.4
Any Reported	24,943	37.5

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. The maternal medical risk factor checklist was introduced on the 1989 birth certificate. By 1992, this information was considered sufficiently well recorded and edited to be included in the annual reports.

Figure 14. Percent of Births with Reported Maternal Medical Risk Factors, 1992 and 1996



Methods of Delivery

In 1997, the following methods of delivery were reported:

Other Vaginal	52,559	79.0%
Primary C-Section	6,680	10.0
Repeat C-Section	3,783	5.7
Vaginal After Previous C-Section (VBAC)	1,922	2.9
Forceps	1,546	2.3

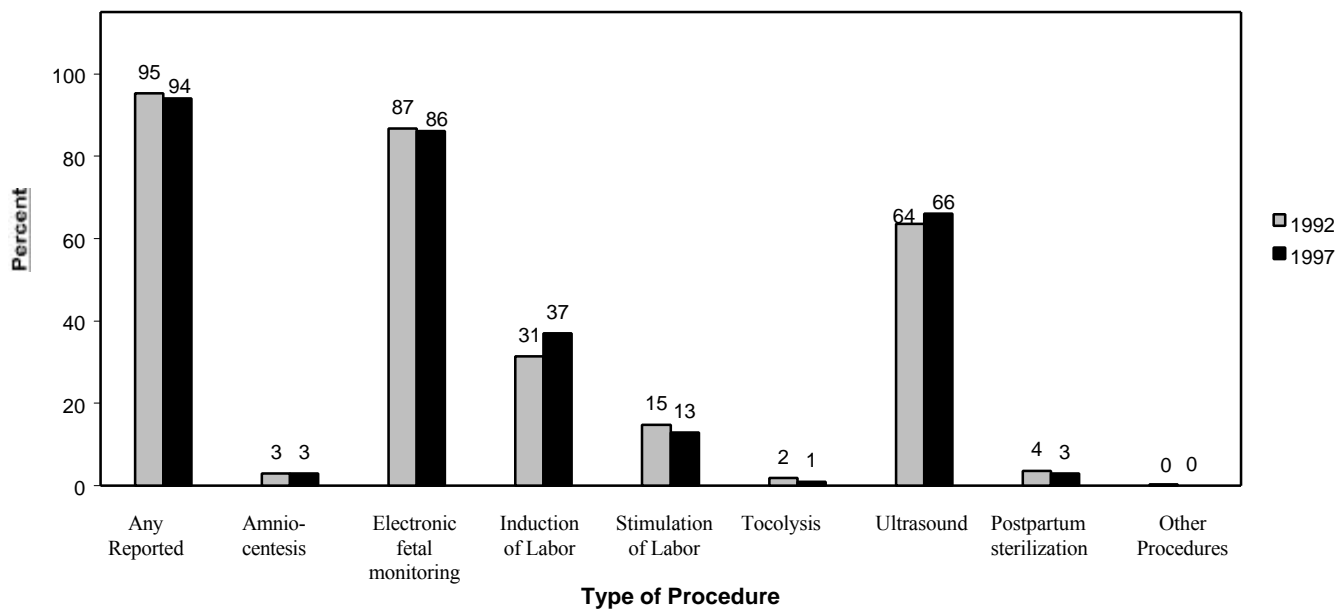
Obstetric Procedures

In 1997, births with reported obstetric procedures included:

Electronic fetal monitoring	57,148	85.9%
Ultrasound	43,853	66.0
Induction of labor	24,924	37.5
Stimulation of labor	8,819	13.3
Amniocentesis	1,812	2.7
Postpartum sterilization	1,875	2.8
Tocolysis	906	1.4
Other Procedures	198	0.3
Births With Reported Procedure(s)	62,801	94.5

Notes: 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 sufficiently well recorded and edited to be included in the annual reports. Each birth could have more than one type of procedure reported.

Figure 15. Percent of Births with Obstetric Procedures Reported, 1992 and 1997



Characteristics of the Newborn

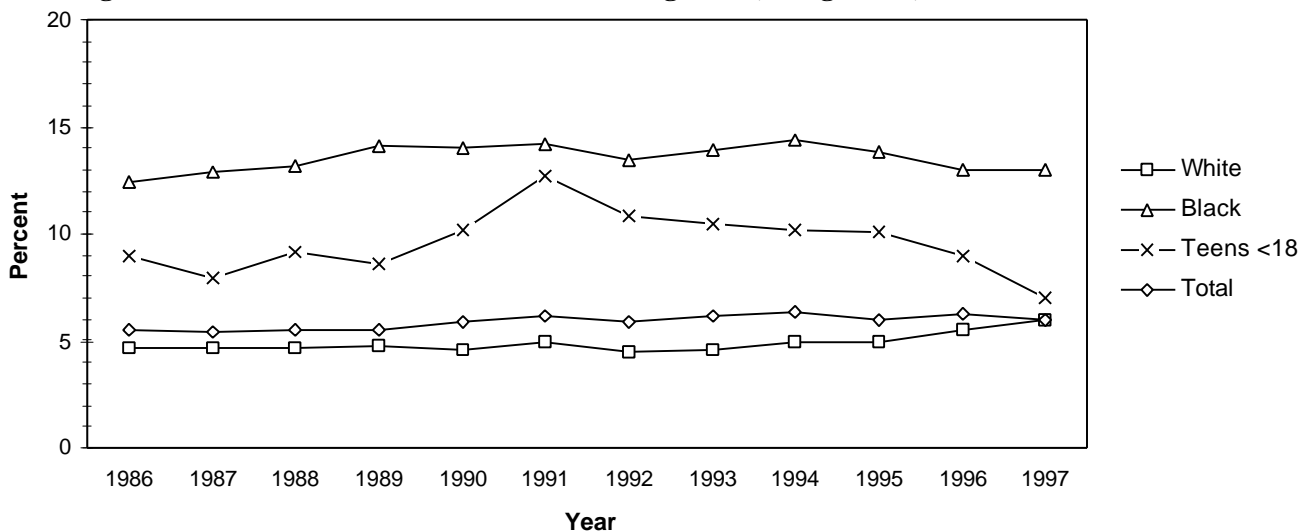
Low Birthweight

- In 1997, 4,262 Wisconsin infants weighed less than 2,500 grams (about 5.5 pounds) at birth. This total represented 6.4 percent of all births. In comparison, 7.5 percent of all infants born in the United States in 1997 weighed less than 2,500 grams at birth.
- 794 infants were born at very low birthweight (less than 1,500 grams or about 3.3 pounds), representing 1.2 percent of all births.
- Compared with the overall incidence of low birthweight in 1997 (6.4 percent), higher percentages of low birthweight infants were born to:

Mothers who received no prenatal care (24.3 percent),
 Non-Hispanic black women (13.3 percent),
 Girls less than 15 years old (14.7 percent),
 Women who smoked during pregnancy (10.6 percent),
 Women with less than a high school education (9.9 percent),
 Women who were unmarried (9.5 percent).

- From 1987 to 1997, the low birthweight percentage among infants born to mothers less than 18 years of age fluctuated from a low of 7.9 percent in 1987 to a high of 12.7 percent in 1991. In 1997, this percentage was 10.7 (compared with 6.2 among mothers age 18 and older).
- Forty-three percent of premature infants (gestation less than 37 weeks) were of low birthweight in 1997. (See Technical Notes, page 98, for full definition of prematurity.)
- Twins or other multiple births made up 21 percent of all low-birthweight births in 1997.

Figure 16. Percent of Births at Low Birthweight (<2,500 grams), 1986-1997



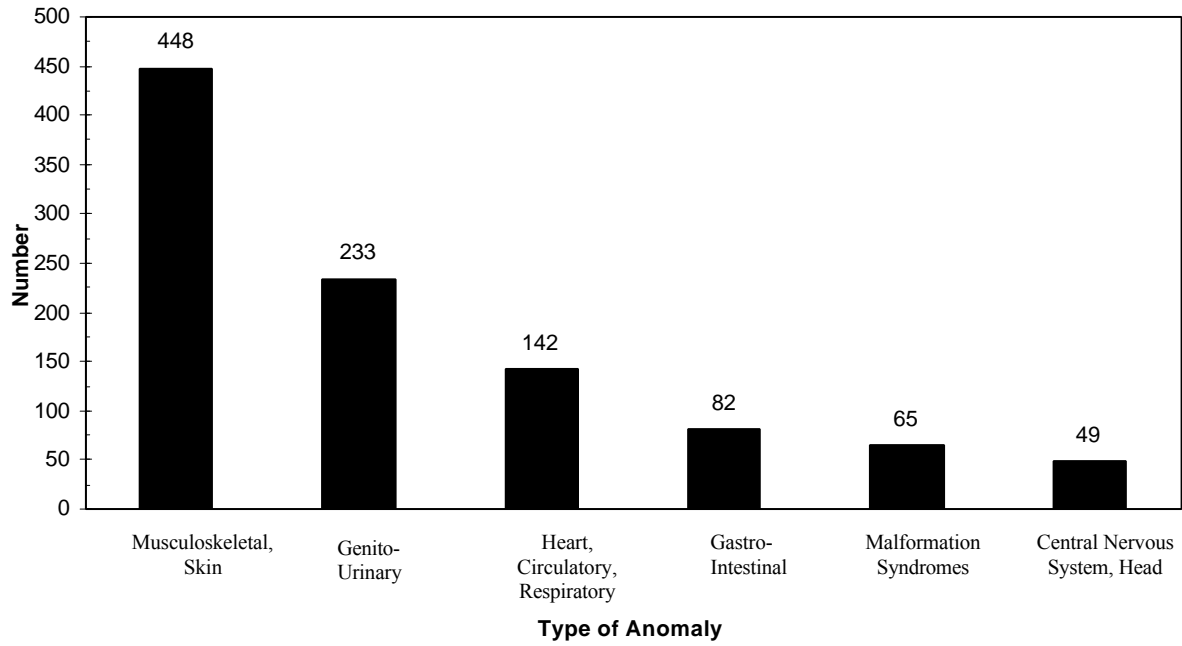
Congenital Anomalies

In 1997, reported congenital anomalies included:

Total Births With Reported Anomalies	1,038
Central Nervous System, Head	49
Anencephalus	7
Spina Bifida/Meningocele	19
Hydrocephalus	16
Microcephalus	5
Other Central Nervous System	9
Heart, Circulatory, Respiratory	142
Heart Malformations	110
Other Circulatory/Respiratory	37
Gastro-Intestinal	82
Rectal Atresia, Stenosis	10
Tracheo-Esophageal Fistula	11
Omphalocele, Gastroschisis	44
Other Gastrointestinal	18
Genito-Urinary	233
Malformed Genitalia	128
Renal Agenesis	14
Other Urogenital	92
Musculoskeletal/Skin	448
Cleft Lip, Palate	75
Polydactyly, Syndactyly, Adactyly	115
Club Foot	63
Diaphragmatic Hernia	23
Other Musculoskeletal/ Integumental	196
Malformation Syndromes	65
Down Syndrome	43
Other Chromosomal	22
All Other	98

Notes: 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, the column does not add to total. This table is not comparable with congenital anomalies data published prior to 1989; see Technical Notes for explanation.

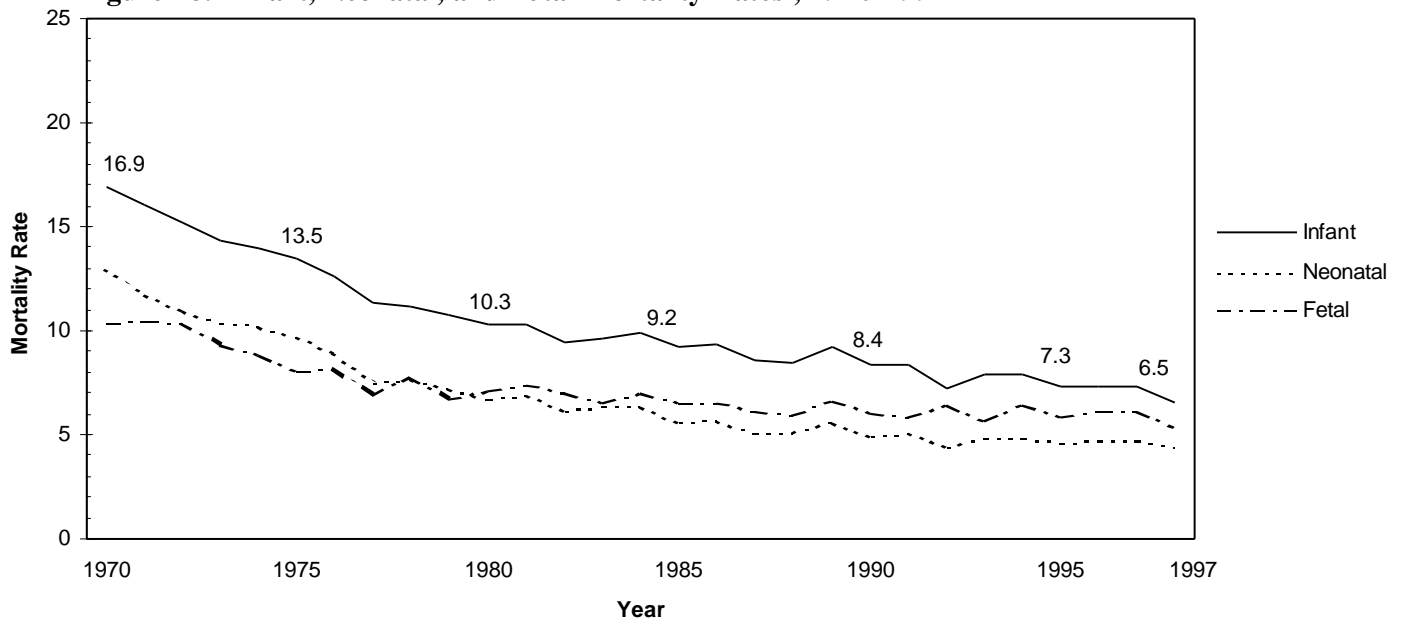
Figure 17. Number of Reported Congenital Anomalies, 1997



Mortality

- In Wisconsin, 431 infants under the age of one year died in 1997. Wisconsin’s infant mortality rate has steadily decreased over the past two decades (continuing a long-term decline). The 1997 rate of 6.5 infant deaths per 1,000 live births was less than half the 1970 rate of 16.9 per 1,000. The 1997 U.S. preliminary infant mortality rate was 7.1 infant deaths per 1,000 live births.
- 294 neonates (infants less than 28 days of age) died in 1997. The neonatal mortality rate in 1997 was 4.4 neonatal deaths per 1,000 live births, compared with 13.0 per 1,000 in 1970.
- The fetal mortality rate (fetal deaths per 1,000 live births and fetal deaths) was 5.4 in 1997. In comparison, the fetal mortality rate for 1970 was 10.4 per 1,000. (For the definition of “fetal death,” see Technical Notes, page 98.)

Figure 18. Infant, Neonatal, and Fetal Mortality Rates , 1970-1997



Source: Resident birth certificates, matched birth-death file and fetal death file, Wisconsin Bureau of Health Information, Vital Records Section, Registration and Statistics Unit.

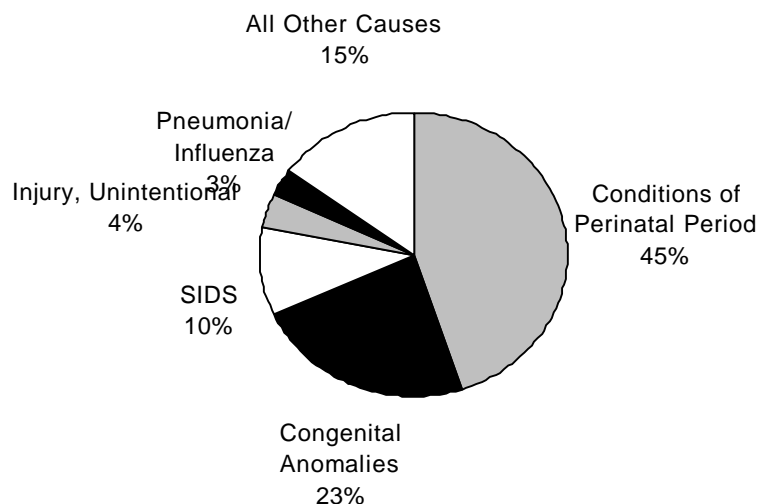
Notes: An infant death is one that occurs before one year of age. The infant death rate is the number of resident infant deaths divided by total resident live births times 1,000. For detailed information on 1997 infant, neonatal and fetal deaths, see Supplementary Table D, pages 89 and 90.

- The black infant mortality rate for 1997 (13.4 deaths per 1,000 live births to black mothers) was lower than the comparable rate in 1996 (18.3) and 1987 (17.3).
- The 1997 white infant mortality rate (5.5 deaths per 1,000 live births to white mothers) also represented a decline from 1996 (5.9) and 1987 (7.7).
- Infants born to teenagers are at a higher risk of death than infants born to older mothers . In 1997, the infant mortality rate was 11.4 per 1,000 live births among infants born to mothers aged 15-19, compared with 5.9 per 1,000 among infants born to women aged 20 and older.
- There were 2 maternal deaths in 1997; these are deaths attributed to pregnancy-related health conditions or events of delivery.

Causes of Infant Death

- “Conditions of the perinatal period” accounted for 45 percent of infant deaths in 1997. This category includes a variety of conditions that occur just before, during and after birth, such as pregnancy complications; complications of the placenta, cord and membranes; and unspecified prematurity and low birthweight.
- Congenital anomalies accounted for about 23 percent of infant deaths in 1997.
- Ten percent of infant deaths in 1997 were attributed to Sudden Infant Death Syndrome (SIDS).

Figure 19. Leading Causes of Infant Death, 1997



Source: Resident birth certificates, matched birth-death file and fetal death file, Wisconsin Bureau of Health Information, Vital Records Section, Registration and Statistics Unit.

Table 1. Population, Births by Sex, Crude and General Fertility Rates by County of Residence, 1997

County	Estimated Population	Total Births	Male	Female	Crude Birth Rate	General Fertility Rate
Total	5,216,380	66,490	33,902	32,587	12.7	57.6
Adams	17,610	157	70	87	8.9	56.6
Ashland	16,810	202	107	95	12.0	56.9
Barron	42,550	463	248	215	10.9	53.8
Bayfield	14,570	147	77	70	10.1	53.1
Brown	217,340	3,051	1,592	1,459	14.0	60.6
Buffalo	13,780	143	76	67	10.4	52.3
Burnett	13,920	133	67	66	9.6	53.0
Calumet	38,030	452	221	231	11.9	53.3
Chippewa	54,450	638	321	317	11.7	55.9
Clark	32,440	470	225	245	14.5	75.2
Columbia	48,960	633	324	309	12.9	65.1
Crawford	16,270	182	102	80	11.2	57.5
Dane	405,390	5,023	2,492	2,530	12.4	48.3
Dodge	82,590	926	457	469	11.2	56.4
Door	26,410	218	103	115	8.3	41.7
Douglas	42,440	507	262	245	11.9	56.2
Dunn	38,190	466	254	212	12.2	47.7
Eau Claire	90,210	1,105	566	539	12.2	48.7
Florence	4,990	38	20	18	7.6	38.5
Fond du Lac	95,920	1,118	581	537	11.7	53.7
Forest	9,170	117	56	61	12.8	67.4
Grant	49,650	526	279	247	10.6	52.6
Green	31,870	370	179	191	11.6	56.0
Green Lake	19,470	216	107	109	11.1	56.8
Iowa	21,760	259	119	140	11.9	55.2
Iron	6,300	63	29	34	10.0	58.6
Jackson	18,100	211	102	109	11.7	60.6
Jefferson	73,180	914	499	415	12.5	55.7
Juneau	23,330	271	139	132	11.6	60.0
Kenosha	141,260	2,027	1,051	976	14.3	64.8
Kewaunee	19,730	228	118	110	11.6	56.8
La Crosse	105,040	1,327	676	651	12.6	50.8
Lafayette	16,170	159	88	71	9.8	48.2
Langlade	20,530	229	125	104	11.2	57.3
Lincoln	28,830	329	169	160	11.4	56.2
Manitowoc	84,180	902	481	421	10.7	52.5
Marathon	124,810	1,581	825	756	12.7	58.7

(Continued)

Table 1. Population, Births by Sex, Crude and General Fertility Rates by County of Residence, 1997

County	Estimated Population	Total Births	Male	Female	Crude Birth Rate	General Fertility Rate
Marinette	42,240	424	201	223	10.0	50.7
Marquette	13,490	177	101	76	13.1	70.9
Menominee	4,290	95	42	53	22.1	105.6
Milwaukee	955,780	14,338	7,314	7,024	15.0	64.5
Monroe	38,580	511	260	251	13.2	64.8
Oconto	32,780	347	182	165	10.6	53.1
Oneida	34,300	347	174	173	10.1	55.7
Outagamie	154,860	2,176	1,082	1,094	14.1	62.2
Ozaukee	79,890	860	447	413	10.8	51.5
Pepin	7,210	87	54	33	12.1	65.7
Pierce	34,410	344	167	177	10.0	39.8
Polk	36,890	415	215	200	11.2	56.9
Portage	66,840	759	373	386	11.4	46.2
Price	16,250	150	68	82	9.2	49.4
Racine	187,180	2,564	1,285	1,279	13.7	62.3
Richland	17,860	192	91	101	10.7	54.9
Rock	149,640	1,990	1,021	969	13.3	61.8
Rusk	15,350	162	80	82	10.6	54.6
St. Croix	56,530	758	400	358	13.4	59.8
Sauk	52,120	697	349	348	13.4	63.9
Sawyer	15,440	175	92	83	11.3	63.8
Shawano	38,670	438	248	190	11.3	58.9
Sheboygan	111,130	1,348	673	675	12.1	57.9
Taylor	19,460	198	98	100	10.2	48.8
Trempealeau	26,210	328	159	169	12.5	64.3
Vernon	26,450	347	164	183	13.1	67.8
Vilas	19,420	171	77	94	8.8	55.8
Walworth	83,620	1,019	545	474	12.2	54.5
Washburn	14,710	144	69	75	9.8	53.2
Washington	111,630	1,415	703	712	12.7	58.3
Waukesha	344,980	4,156	2,139	2,017	12.0	55.7
Waupaca	49,610	573	286	287	11.6	56.3
Waushara	20,760	236	129	107	11.4	62.1
Winnebago	153,920	1,826	932	894	11.9	52.6
Wood	77,600	922	475	447	11.9	55.7

Notes: Included in the total is 1 birth for which sex was not reported. 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 the number of females ages 15-44 times 1,000. Population estimates are from the Wisconsin Bureau of Health Information.

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

City	Estimated Population	Births	Crude Birth Rate
Appleton	69,424	1,113	16.0
Beloit	36,195	590	16.3
Eau Claire	59,832	731	12.2
Fond du Lac	40,804	561	13.7
Green Bay	102,179	1,672	16.4
Janesville	58,639	838	14.3
Kenosha	86,800	1,647	19.0
La Crosse	52,318	669	12.8
Madison	201,786	2,655	13.2
Manitowoc	34,134	425	12.5
Mequon/Thiensville	24,578	225	9.2
Milwaukee	612,740	10,759	17.6
Neenah/Menasha	40,425	615	15.2
Oshkosh	61,824	776	12.6
Racine	85,539	1,538	18.0
Sheboygan	51,017	702	13.8
Stevens Point	24,430	312	12.8
Superior	27,519	361	13.1
Watertown	20,835	271	13.0
Waukesha	61,358	963	15.7
Wausau	38,724	560	14.5
West Bend	28,089	416	14.8

Notes: The crude birth rate is the number of resident live births divided by the resident population times 1,000. Population estimates are from the Wisconsin Department of Administration.

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions

STATE TOTAL	66,490	Lafayette (T)	44	DOOR	218
Urban	51,348	Balance of County	287	Sevastopol (T)	10
Balance of State	15,142			Sturgeon Bay (C)	96
ADAMS	157	CLARK	470	Balance of County	112
		Neillsville (C)	48	DOUGLAS	507
ASHLAND	202	Balance of County	422	Superior (C)	361
Ashland (C)	102	COLUMBIA	633	Balance of County	146
Balance of County	100	Columbus (C)	56	DUNN	466
BARRON	463	Portage (C)	123	Menomonie (C)	153
Barron (C)	41	Balance of County	454	Menomonie (T)	37
Rice Lake (C)	103	CRAWFORD	182	Balance of County	276
Balance of County	319	Prairie du Chien (C)	74	EAU CLAIRE	1,105
BAYFIELD	147	Balance of County	108	Altoona (C)	105
		DANE	5,023	Eau Claire (C) (Pt.)	710
BROWN	3,051	Burke (T)	22	Seymour (T)	20
Allouez (V)	139	Cottage Grove (T)	52	Washington (T)	54
Ashwaubenon (V)	166	Cross Plains (V)	35	Balance of County	216
Bellevue (T)	143	De Forest (V)	139	FLORENCE	38
De Pere (C)	281	Dunn (T)	40	FOND DU LAC	1,118
Green Bay (C)	1,672	Fitchburg (C)	114	Fond du Lac (C)	561
Hobart (T)	55	Madison (C)	2,655	North Fond du Lac (V)	61
Howard (V)	134	Madison (T)	28	Ripon (C)	58
Pulaski (V)	60	Marshall (V)	45	Taycheedah (T)	35
Suamico (T)	88	McFarland (V)	95	Waupun (C) (Pt.)	40
Balance of County	313	Middleton (C)	150	Balance of County	363
BUFFALO	143	Middleton (T)	40	FOREST	117
Mondovi (C)	26	Monona (C)	42	GRANT	526
Balance of County	117	Mount Horeb (V)	76	Boscobel (C)	42
BURNETT	133	Oregon (T)	37	Lancaster (C)	48
		Oregon (V)	97	Platteville (C)	99
CALUMET	452	Pleasant Springs (T)	30	Balance of County	337
Appleton (C) (Pt.)	132	Springfield (T)	18	GREEN	370
Brillion (C)	32	Stoughton (C)	207	Brodhead (C)	49
Chilton (C)	42	Sun Prairie (C)	319	Monroe (C)	126
Harrison (T)	68	Verona (C)	74	Balance of County	195
Kiel (C) (Pt.)	3	Waunakee (V)	111	GREEN LAKE	216
Menasha (C) (Pt.)	15	Westport (T)	18	Berlin (C) (Pt.)	59
New Holstein (C)	24	Windsor (T)	43	Balance of County	157
Balance of County	136	Balance of County	536	IOWA	259
CHIPPEWA	638	DODGE	926	Dodgeville (C)	59
Bloomer (C)	46	Beaver Dam (C)	209	Balance of County	200
Chippewa Falls (C)	173	Beaver Dam (T)	31	(Continued)	
Eagle Point (T)	21	Horicon (C)	50		
Eau Claire (C) (Pt.)	21	Mayville (C)	48		
Hallie (T)	46	Watertown (C) (Pt.)	96		
		Waupun (C) (Pt.)	61		
		Balance of County	431		

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions

IRON	63	LANGLADE	229	Shorewood	133
JACKSON	211	Antigo (C)	139	South Milwaukee (C)	241
Black River Falls (C)	63	Balance of County	90	St. Francis (C)	95
Balance of County	148	LINCOLN	329	Wauwatosa (C)	593
JEFFERSON	914	Merrill (C)	172	West Allis (C)	634
Ft. Atkinson (C)	146	Merrill (T)	15	West Milwaukee (V)	37
Ixonia (T)	31	Tomahawk (C)	35	Whitefish Bay (V)	214
Jefferson (C)	110	Balance of County	107	Balance of County	13
Jefferson (T)	19	MANITOWOC	902	MONROE	511
Koshkonong (T)	20	Kiel (C) (Pt.)	33	Sparta (C)	133
Lake Mills (C)	74	Manitowoc (C)	425	Tomah (C)	99
Oakland (T)	35	Manitowoc Rapids (T)	13	Balance of County	279
Waterloo (C)	41	Two Rivers (C)	120	OCONTO	347
Watertown (C) (Pt.)	175	Balance of County	311	Little Suamico (T)	50
Whitewater (C) (Pt.)	24	MARATHON	1,581	Oconto (C)	42
Balance of County	239	Kronenwetter (T)	50	Oconto Falls (C)	38
JUNEAU	271	Marshfield (C) (PT.)	5	Balance of County	217
Mauston (C)	58	Mosinee (C)	78	ONEIDA	347
Balance of County	213	Rib Mountain (T)	55	Minocqua (T)	38
KENOSHA	2,027	Rothschild (V)	55	Pelican (T)	28
Bristol (T)	33	Wausau (C)	560	Rhineland (C)	93
Kenosha (C)	1,647	Weston (T)	51	Balance of County	188
Paddock Lake (V)	19	Balance of County	727	OUTAGAMIE	2,176
Pleasant Prairie (V)	76	MARINETTE	424	Appleton (C) (Pt.)	963
Randall (T)	14	Marinette (C)	136	Buchanan (T)	89
Salem (T)	56	Peshtigo (C)	40	Center (T)	27
Somers (T)	36	Peshtigo (T)	23	Freedom (T)	77
Twin Lakes (V)	74	Balance of County	225	Grand Chute (T)	98
Wheatland (T)	25	MARQUETTE	177	Greenville (T)	91
Balance of County	47	MENOMINEE	95	Kaukauna (C)	210
KEWAUNEE	228	Menominee (T)	95	Kimberly (V)	78
Algoma (C)	35	MILWAUKEE	14,338	Little Chute (V)	120
Kewaunee (C)	40	Bayside (V)(Pt.)	34	New London (C) (Pt.)	30
Balance of County	153	Brown Deer (V)	95	Oneida (T)	60
LA CROSSE	1,327	Cudahy (C)	208	Seymour (C)	28
Campbell (T)	31	Fox Point (V)	74	Balance of County	305
Holmen (V)	117	Franklin (C)	277	OZAUKEE	860
La Crosse (C)	669	Glendale (C)	94	Cedarburg (C)	115
Onalaska (C)	224	Greendale (V)	108	Cedarburg (T)	24
Onalaska (T)	26	Greenfield (C)	334	Grafton (T)	48
Shelby (T)	30	Hales Corners (V)	61	Grafton (V)	105
West Salem (V)	67	Milwaukee (C) (Pt.)	10,758	Mequon (C)	188
Balance of County	163	Oak Creek (C)	335	Port Washington (C)	159
LAFAYETTE	159			Saukville (V)	57
				Thiensville (V)	37
				Balance of County	127

(Continued)

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions

PEPIN	87	Milton (C)	75	TREMPEALEAU	328
		Milton (T)	12		
PIERCE	344	Rock (T)	17	VERNON	347
Ellsworth (V)	30	Balance of County	208	Viroqua (C)	42
Prescott (C)	47			Balance of County	305
River Falls (C) (Pt.)	96	RUSK	162		
Balance of County	171	Ladysmith (C)	51	VILAS	171
		Balance of County	111	Arbor Vitae (T)	18
POLK	415			Lac du Flambeau (T)	48
Amery (C)	32	ST.CROIX	758	Balance of County	105
Balance of County	383	Hudson (C)	168		
		Hudson (T)	58	WALWORTH	1,019
PORTAGE	759	New Richmond (C)	103	Bloomfield (T)	46
Hull (T)	34	North Hudson (V)	24	Burlington (C) (Pt.)	5
Plover (V)	137	River Falls (C) (Pt.)	37	Delavan (C)	122
Stevens Point (C)	312	St. Joseph (T)	17	Delavan (T)	40
Stockton (T)	26	Troy (T)	27	East Troy (T)	39
Balance of County	250	Balance of County	324	East Troy (V)	59
				Elkhorn (C)	127
PRICE	150	SAUK	697	Geneva (T)	26
Park Falls (C)	29	Baraboo (C)	186	Lake Geneva (C)	140
Balance of County	121	Prairie Du Sac (V)	50	Lyons (T)	29
		Reedsburg (C)	100	Sugar Creek (T)	32
RACINE	2,564	Sauk City (V)	45	Whitewater (C) (Pt.)	71
Burlington (C) (Pt.)	143	Balance of County	316	Balance of County	283
Burlington (T)	70				
Caledonia (T)	227	SAWYER	175	WASHBURN	144
Dover (T)	33	Hayward (T)	41	Spooner (C)	22
Mt. Pleasant (T)	123	Balance of County	134	Balance of County	122
Norway (T)	81				
Racine (C)	1,538	SHAWANO	438	WASHINGTON	1,415
Raymond (T)	38	Shawano (C)	111	Addison (T)	39
Sturtevant (V)	68	Wescott (T)	23	Barton (T)	20
Union Grove (V)	59	Balance of County	304	Erin (T)	28
Waterford (T)	89			Farmington(T)	35
Waterford (V)	40	SHEBOYGAN	1,348	Germantown (V)	242
Yorkville (T)	10	Holland (T)	16	Hartford (C)	136
Balance of County	45	Howards Grove (V)	25	Hartford (T)	37
		Lima (T)	25	Jackson (T)	32
RICHLAND	192	Plymouth (C)	107	Jackson (V)	88
Richland Center (C)	59	Plymouth (T)	30	Kewaskum (V)	47
Balance of County	133	Sheboygan (C)	702	Milwaukee (C) (Pt.)	1
		Sheboygan (T)	47	Polk (T)	29
ROCK	1,990	Sheboygan Falls (C)	66	Richfield (T)	88
Beloit (C)	590	Wilson (T)	18	Slinger (V)	60
Beloit (T)	55	Balance of County	312	Trenton (T)	32
Edgerton (C)	70			West Bend (C)	416
Evansville (C)	87	TAYLOR	198	West Bend (T)	39
Fulton (T)	23	Medford (C)	58	Balance of County	46
Janesville (C)	838	Balance of County	140		
Janesville (T)	15				

(Continued)

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions

WAUKESHA	4,156	Pewaukee (V)	124	WINNEBAGO	1,826
Brookfield (C)	335	Summit (T)	40	Algoma (T)	35
Brookfield (T)	46	Sussex (V)	185	Appleton (C) (Pt.)	18
Delafield (C)	60	Vernon (T)	49	Menasha (C) (Pt.)	232
Delafield (T)	58	Wales (V)	38	Menasha (T)	133
Elm Grove (V)	59	Waukesha (C)	963	Neenah (C)	368
Genesse (T)	51	Waukesha (T)	96	Neenah (T)	23
Hartland (V)	139	Balance of County	209	Omro (C)	43
Lisbon (T)	96			Oshkosh (C)	776
Menomonee Falls (V)	377	WAUPACA	573	Oshkosh (T)	19
Merton (T)	48	Clintonville (C)	66	Balance of County	179
Mukwonago (T)	66	Farmington (T)	20		
Mukwonago (V)	78	New London (C) (Pt.)	83	WOOD	922
Muskego (C)	265	Waupaca (C)	92	Grand Rapids (T)	54
New Berlin (C)	384	Balance of County	312	Marshfield (C) (Pt.)	245
Oconomowoc (C)	169			Nekoosa (C)	49
Oconomowoc (T)	64	WAUSHARA	236	Saratoga (T)	54
Ottawa (T)	24	Berlin (C) (Pt.)	1	Wisconsin Rapids (C)	309
Pewaukee (T)	133	Balance of County	235	Balance of County	211

Note: The term "urban" refers to the sum of those incorporated places having a population of 2,500 or more according to the latest population estimates available.

Table 4. Births by County, City and Hospital of Occurrence

County	City	Hospital	Births
Adams	Friendship	Adams County Memorial Hospital	2
Ashland	Ashland	Memorial Medical Center	323
Barron	Cumberland	Cumberland Memorial Hospital	72
	Rice Lake	Lakeview Medical Center	423
Brown	Barron	Barron Memorial Medical Center	61
	Green Bay	Bellin Memorial Hospital	1,878
	Green Bay	St. Marv's Hospital Medical Center	584
Burnett	Green Bay	St. Vincent Hospital	1,498
	Grantsburg	Burnett Medical Center, Inc.	52
	Chippewa	Bloomer Community Memorial Hospital	55
Clark	Bloomer	St. Joseph's Hospital	408
	Chippewa Falls	Memorial Hospital, Inc.	33
	Neillsville	Columbus Community Hospital, Inc.	114
Columbia	Columbus	Columbus Community Hospital, Inc.	114
	Portage	Divine Savior Hospital and Nursing Home, Inc.	186
Crawford	Prairie du Chien	Prairie du Chien Memorial Hospital	164
	Dane	Meriter Hospital, Inc.	3,254
	Madison	St. Mary's Hospital Medical Center	2,848
	Madison	University of Wisconsin Hospital & Clinics Authority	1
Dodge	Beaver Dam	Beaver Dam Community Hospitals, Inc.	384
	Watertown	Watertown Memorial Hospital	320
	Waupun	Waupun Memorial Hospital	109
Door	Sturgeon Bay	Door County Memorial Hospital	150
Dunn	Menomonie	Mvrtle Werth Hospital	271
Eau Claire	Eau Claire	Luther Hospital	865
	Eau Claire	Sacred Heart Hospital	738
Fond du Lac	Fond du Lac	St. Agnes Hospital	955
	Ripon	Ripon Medical Center	78
	Grant	Boscobel Area Health Care	64
Grant	Lancaster	Grant Regional Health Center, Inc.	92
	Platteville	Southwest Health Center, Inc.	168
	Monroe	The Monroe Clinic	388
Green Lake	Berlin	Berlin Memorial Hospital	238
Iowa	Dodgeville	Memorial Hospital of Iowa County, Inc.	214
Jackson	Black River Falls	Black River Memorial Hospital	177
Jefferson	Ft. Atkinson	Ft Atkinson Memorial Health Services	460
Juneau	Mauston	Hess Memorial Hospital	213
Kenosha	Kenosha	Kenosha Hospital and Medical Center	962
	Kenosha	St. Catherine's Hospital	562
Kewaunee	Kewaunee	St. Marv's Kewaunee Area Memorial Hospital	28
La Crosse	La Crosse	Gundersen Lutheran Hospital - La Crosse	1,556
	La Crosse	Franciscan Skemp Healthcare - La Crosse	715
Lafayette	Darlington	Memorial Hospital of Lafayette County	41
Langlade	Antigo	Langlade Memorial Hospital	214
Lincoln	Merrill	Good Samaritan Health Center	162
	Tomahawk	Sacred Heart Hospital, Inc.	2
Manitowoc	Manitowoc	Holy Family Memorial Medical Center	463
	Two Rivers	Two Rivers Community Hospital, Inc.	244
Marathon	Wausau	Wausau Hospital	1,444
Marinette	Marinette	Bay Area Medical Center	380
Milwaukee	Milwaukee	Columbia Hospital	1,056
	Milwaukee	Sinai-Samaritan Medical Center	3,304
	Milwaukee	St. Francis Hospital	1,671
	Milwaukee	St. Joseph's Hospital - Milwaukee	3,895
	Milwaukee	St. Luke's Medical Center	1,276
	Milwaukee	St. Marv's Hospital - Milwaukee	2,398
	Milwaukee	St. Michael Hospital	925

(Continued)

Table 4. Births by County, City and Hospital of Occurrence

County	City	Hospital	Births
Milwaukee	Wauwatosa	Froedtert Memorial Lutheran Hospital	681
	West Allis	West Allis Memorial Hospital	638
Monroe	Sparta	Franciscan Skemp Healthcare - Sparta	131
	Tomah	Tomah Memorial Hospital, Inc.	161
Oconto	Oconto Falls	Community Memorial Hospital	48
Oneida	Rhineland	Sacred Heart-St. Marv's Hospital, Inc.	429
	Woodruff	Howard Young Medical Center, Inc.	292
Outagamie	Appleton	Appleton Medical Center	1,260
	Appleton	St. Elizabeth Hospital	1,285
	New London	New London Family Medical Center	156
Ozaukee	Ozaukee	St. Marv's Hospital - Ozaukee	641
Pepin	Durand	Chippewa Valley Hospital	35
Polk	Amery	Apple River Hospital	98
	Osceola	Osceola Medical Center	63
	St. Croix	St. Croix Valley Memorial Hospital	286
Portage	Stevens Point	St. Michael's Hospital	748
Price	Park Falls	Flambeau Medical Center	96
Racine	Burlington	Memorial Hospital Corporation of Burlington	539
	Racine	St. Luke's Memorial Hospital	1,916
	Racine	St. Marv's Medical Center	1
Richland	Richland Center	The Richland Hospital, Inc.	186
Rock	Beloit	Beloit Memorial Hospital, Inc.	676
	Janesville	Mercy Health System	1,324
Rusk	Ladysmith	Rusk County Memorial Hospital	124
Sauk	Baraboo	St. Clare Hospital and Health Services	296
	Prairie du Sac	Sauk-Prairie Memorial Hospital	222
	Reedsburg	Reedsburg Area Medical Center	165
Sawyer	Havward	Havward Area Memorial Hospital	91
Shawano	Shawano	Shawano Medical Center	343
Sheboygan	Plymouth	Valley View Medical Center	160
	Sheboygan	Sheboygan Memorial Medical Center	832
	Sheboygan	St. Nicholas Hospital	362
St. Croix	Baldwin	Baldwin Hospital, Inc.	67
	Hudson	Hudson Memorial Hospital, Inc.	173
	New Richmond	Holy Family Hospital	128
	River Falls	River Falls Area Hospital	231
Taylor	Medford	Memorial Hospital of Taylor County, Inc.	157
Trempealeau	Arcadia	Franciscan Skemp Healthcare - Arcadia	56
Vernon	Hillsboro	St. Joseph's Memorial Hospital, Inc.	41
	Viroqua	Vernon Memorial Hospital	167
Walworth	Elkhorn	Lakeland Medical Center, Inc.	472
Washburn	Shell Lake	Indianhead Medical Center, Inc.	21
	Spooner	Spooner Community Memorial Hospital	96
Washington	Hartford	Hartford Memorial Hospital	255
	West Bend	St. Joseph's Community Hospital	733
Waukesha	Brookfield	Elmbrook Memorial Hospital	964
	Menomonee Falls	Community Memorial Hospital	881
	Oconomowoc	Memorial Hospital at Oconomowoc	507
	Waukesha	Waukesha Memorial Hospital, Inc.	2,121
Waupaca	Waupaca	Riverside Medical Center	217
Waushara	Wild Rose	Wild Rose Community Memorial Hospital, Inc.	26
Winnebago	Neenah	Theda Clark Medical Center	1,271
	Oshkosh	Mercy Medical Center	858
Wood	Marshfield	St. Joseph's Hospital	1,166
	Wisconsin Rapids	Riverview Hospital Association	577

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

Table 5. Home Births by County of Birth

County of Birth	Number of Births	County of Birth	Number of Births
Adams	-	Marathon	49
Ashland	5	Marinette	5
Barron	8	Marquette	16
Bayfield	2	Menominee	-
Brown	27	Milwaukee	48
Buffalo	4	Monroe	56
Burnett	1	Oconto	1
Calumet	6	Oneida	5
Chippewa	4	Outagamie	16
Clark	89	Ozaukee	3
Columbia	21	Pepin	10
Crawford	1	Pierce	-
Dane	24	Polk	4
Dodge	6	Portage	13
Door	5	Price	2
Douglas	-	Racine	11
Dunn	5	Richland	8
Eau Claire	43	Rock	13
Florence	-	Rusk	5
Fond du Lac	8	St. Croix	2
Forest	-	Sauk	22
Grant	5	Sawyer	11
Green	3	Shawano	15
Green Lake	15	Sheboygan	15
Iowa	1	Taylor	12
Iron	-	Trempealeau	3
Jackson	-	Vernon	59
Jefferson	7	Vilas	2
Juneau	1	Walworth	10
Kenosha	11	Washburn	5
Kewaunee	2	Washington	14
La Crosse	8	Waukesha	19
Lafayette	2	Waupaca	10
Langlade	-	Waushara	14
Lincoln	-	Winnebago	11
Manitowoc	4	Wood	3
		Total	812

Notes: This table shows the number of Wisconsin resident births in 1997 that occurred at home by the county in which the birth occurred. (The county in which the home birth occurred is not always the residence of the mother.) In Vernon County, 39 deliveries took place at a clinic; these births are not included in either the hospital or the home birth totals shown.

A dash (-) indicates there were no events in that county.

Included in the total are 2 home births for which county was not reported.

Table 6a. 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	66,490	163	2,541	4,384	13,972	19,994	17,198	7,008	1,172	56
Adams	157	-	12	18	48	36	32	11	-	-
Ashland	202	-	7	22	49	67	32	20	5	-
Barron	463	-	12	48	141	138	88	30	6	-
Bayfield	147	-	7	10	33	37	35	23	2	-
Brown	3,051	7	100	171	573	991	852	311	43	3
Buffalo	143	-	2	5	28	43	47	15	3	-
Burnett	133	-	7	17	38	32	22	15	2	-
Calumet	452	1	6	16	66	161	152	46	4	-
Chippewa	638	2	22	46	151	228	132	50	7	-
Clark	470	-	11	28	109	151	103	49	16	3
Columbia	633	2	13	31	114	200	190	73	10	-
Crawford	182	1	7	14	48	51	38	18	5	-
Dane	5,023	5	115	208	786	1,451	1,610	726	114	8
Dodge	926	-	31	62	189	326	204	99	15	-
Door	218	1	6	18	46	60	61	24	2	-
Douglas	507	-	31	34	145	148	107	31	11	-
Dunn	466	2	11	31	120	139	111	46	6	-
Eau Claire	1,105	-	29	76	241	371	267	103	15	3
Florence	38	-	1	2	10	12	11	2	-	-
Fond du Lac	1,118	-	41	63	249	361	289	90	23	2
Forest	117	1	9	11	49	22	24	1	-	-
Grant	526	-	11	39	116	170	138	48	3	1
Green	370	-	10	14	89	119	88	42	7	1
Green Lake	216	1	6	17	53	61	53	22	2	1
Iowa	259	-	3	6	49	89	79	28	5	-
Iron	63	-	3	3	13	18	14	10	2	-
Jackson	211	-	7	17	63	59	43	18	4	-
Jefferson	914	-	34	42	169	319	253	90	7	-
Juneau	271	-	14	23	73	89	47	23	1	1
Kenosha	2,027	8	85	153	456	588	512	202	23	-
Kewaunee	228	-	6	9	34	101	58	19	1	-
La Crosse	1,327	-	32	72	240	475	356	131	20	1
Lafayette	159	-	2	4	43	57	36	16	1	-
Langlade	229	-	10	22	57	63	52	16	9	-
Lincoln	329	-	7	22	73	119	86	18	4	-
Manitowoc	902	1	21	60	186	293	223	105	11	2
Marathon	1,581	2	47	74	319	567	415	131	22	4
Marinette	424	1	14	30	114	119	104	33	8	1
Marquette	177	-	6	15	41	51	46	13	5	-
Menominee	95	1	6	14	24	27	18	5	-	-
Milwaukee	14,338	101	1,001	1,336	3,555	3,768	2,942	1,369	257	9
Monroe	511	-	19	31	132	154	114	50	11	-

(Continued)

Table 6a. 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	347	-	12	25	77	124	78	26	5	-
Oneida	347	-	9	31	75	95	88	43	5	-
Outagamie	2,176	1	45	103	364	735	658	240	27	3
Ozaukee	860	-	10	18	88	240	304	173	26	1
Pepin	87	-	4	2	18	25	25	10	3	-
Pierce	344	-	4	18	66	138	72	40	6	-
Polk	415	-	9	19	97	143	96	45	5	-
Portage	759	2	19	38	142	262	212	74	9	1
Price	150	-	3	11	40	52	26	16	2	-
Racine	2,564	8	123	222	593	699	653	224	41	1
Richland	192	-	5	12	48	61	42	21	3	-
Rock	1,990	4	99	169	520	602	426	148	22	-
Rusk	162	-	15	11	45	49	29	10	3	-
St. Croix	758	-	15	33	130	254	213	100	12	1
Sauk	697	-	16	53	156	209	178	71	14	-
Sawyer	175	-	7	15	44	52	39	14	4	-
Shawano	438	-	16	33	103	118	129	32	7	-
Sheboygan	1,348	2	45	64	274	423	372	142	23	3
Taylor	198	-	4	12	51	63	48	15	4	1
Trempealeau	328	-	7	14	73	122	81	23	7	1
Vernon	347	-	11	16	75	89	99	43	14	-
Vilas	171	1	8	11	39	51	34	22	5	-
Walworth	1,019	1	42	50	251	283	266	108	18	-
Washburn	144	-	8	13	41	37	32	10	3	-
Washington	1,415	2	12	59	226	469	450	164	33	-
Waukesha	4,156	1	61	124	434	1,133	1,577	705	120	1
Waupaca	573	-	19	51	138	178	138	41	8	-
Waushara	236	1	10	16	53	77	51	22	6	-
Winnebago	1,826	3	52	128	353	573	485	194	36	2
Wood	922	-	27	79	226	307	213	60	9	1

Notes: Included in the totals are 2 births for which age of mother was not reported. A dash (-) indicates that there were no events in that category.

Table 6b. 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	66,490	0.2%	3.8%	6.6%	21.0%	30.1%	25.9%	10.5%	1.8%	0.1%
Adams	157	-	7.6	11.5	30.6	22.9	20.4	7.0	-	-
Ashland	202	-	3.5	10.9	24.3	33.2	15.8	9.9	2.5	-
Barron	463	-	2.6	10.4	30.5	29.8	19.0	6.5	1.3	-
Bayfield	147	-	4.8	6.8	22.4	25.2	23.8	15.6	1.4	-
Brown	3,051	0.2	3.3	5.6	18.8	32.5	27.9	10.2	1.4	0.1
Buffalo	143	-	1.4	3.5	19.6	30.1	32.9	10.5	2.1	-
Burnett	133	-	5.3	12.8	28.6	24.1	16.5	11.3	1.5	-
Calumet	452	0.2	1.3	3.5	14.6	35.6	33.6	10.2	0.9	-
Chippewa	638	0.3	3.4	7.2	23.7	35.7	20.7	7.8	1.1	-
Clark	470	-	2.3	6.0	23.2	32.1	21.9	10.4	3.4	0.6
Columbia	633	0.3	2.1	4.9	18.0	31.6	30.0	11.5	1.6	-
Crawford	182	0.5	3.8	7.7	26.4	28.0	20.9	9.9	2.7	-
Dane	5,023	0.1	2.3	4.1	15.6	28.9	32.1	14.5	2.3	0.2
Dodge	926	-	3.3	6.7	20.4	35.2	22.0	10.7	1.6	-
Door	218	0.5	2.8	8.3	21.1	27.5	28.0	11.0	0.9	-
Douglas	507	-	6.1	6.7	28.6	29.2	21.1	6.1	2.2	-
Dunn	466	0.4	2.4	6.7	25.8	29.8	23.8	9.9	1.3	-
Eau Claire	1,105	-	2.6	6.9	21.8	33.6	24.2	9.3	1.4	0.3
Florence	38	-	2.6	5.3	26.3	31.6	28.9	5.3	-	-
Fond du Lac	1,118	-	3.7	5.6	22.3	32.3	25.8	8.1	2.1	0.2
Forest	117	0.9	7.7	9.4	41.9	18.8	20.5	0.9	-	-
Grant	526	-	2.1	7.4	22.1	32.3	26.2	9.1	0.6	0.2
Green	370	-	2.7	3.8	24.1	32.2	23.8	11.4	1.9	0.3
Green Lake	216	0.5	2.8	7.9	24.5	28.2	24.5	10.2	0.9	0.5
Iowa	259	-	1.2	2.3	18.9	34.4	30.5	10.8	1.9	-
Iron	63	-	4.8	4.8	20.6	28.6	22.2	15.9	3.2	-
Jackson	211	-	3.3	8.1	29.9	28.0	20.4	8.5	1.9	-
Jefferson	914	-	3.7	4.6	18.5	34.9	27.7	9.8	0.8	-
Juneau	271	-	5.2	8.5	26.9	32.8	17.3	8.5	0.4	0.4
Kenosha	2,027	0.4	4.2	7.5	22.5	29.0	25.3	10.0	1.1	-
Kewaunee	228	-	2.6	3.9	14.9	44.3	25.4	8.3	0.4	-
La Crosse	1,327	-	2.4	5.4	18.1	35.8	26.8	9.9	1.5	0.1
Lafayette	159	-	1.3	2.5	27.0	35.8	22.6	10.1	0.6	-
Langlade	229	-	4.4	9.6	24.9	27.5	22.7	7.0	3.9	-
Lincoln	329	-	2.1	6.7	22.2	36.2	26.1	5.5	1.2	-
Manitowoc	902	0.1	2.3	6.7	20.6	32.5	24.7	11.6	1.2	0.2
Marathon	1,581	0.1	3.0	4.7	20.2	35.9	26.2	8.3	1.4	0.3
Marinette	424	0.2	3.3	7.1	26.9	28.1	24.5	7.8	1.9	0.2
Marquette	177	-	3.4	8.5	23.2	28.8	26.0	7.3	2.8	-
Menominee	95	1.1	6.3	14.7	25.3	28.4	18.9	5.3	-	-
Milwaukee	14,338	0.7	7.0	9.3	24.8	26.3	20.5	9.5	1.8	0.1
Monroe	511	-	3.7	6.1	25.8	30.1	22.3	9.8	2.2	-

(Continued)

Table 6b. 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	347	-	3.5	7.2	22.2	35.7	22.4	7.5	1.4	-
Oneida	347	-	2.6	8.9	21.6	27.4	25.4	12.4	1.4	-
Outagamie	2,176	0.0	2.1	4.7	16.7	33.8	30.2	11.0	1.2	0.1
Ozaukee	860	-	1.2	2.1	10.2	27.9	35.3	20.1	3.0	0.1
Pepin	87	-	4.6	2.3	20.7	28.7	28.7	11.5	3.4	-
Pierce	344	-	1.2	5.2	19.2	40.1	20.9	11.6	1.7	-
Polk	415	-	2.2	4.6	23.4	34.5	23.1	10.8	1.2	-
Portage	759	0.3	2.5	5.0	18.7	34.5	27.9	9.7	1.2	0.1
Price	150	-	2.0	7.3	26.7	34.7	17.3	10.7	1.3	-
Racine	2,564	0.3	4.8	8.7	23.1	27.3	25.5	8.7	1.6	0.0
Richland	192	-	2.6	6.3	25.0	31.8	21.9	10.9	1.6	-
Rock	1,990	0.2	5.0	8.5	26.1	30.3	21.4	7.4	1.1	-
Rusk	162	-	9.3	6.8	27.8	30.2	17.9	6.2	1.9	-
St. Croix	758	-	2.0	4.4	17.2	33.5	28.1	13.2	1.6	0.1
Sauk	697	-	2.3	7.6	22.4	30.0	25.5	10.2	2.0	-
Sawyer	175	-	4.0	8.6	25.1	29.7	22.3	8.0	2.3	-
Shawano	438	-	3.7	7.5	23.5	26.9	29.5	7.3	1.6	-
Sheboygan	1,348	0.1	3.3	4.7	20.3	31.4	27.6	10.5	1.7	0.2
Taylor	198	-	2.0	6.1	25.8	31.8	24.2	7.6	2.0	0.5
Trempealeau	328	-	2.1	4.3	22.3	37.2	24.7	7.0	2.1	0.3
Vernon	347	-	3.2	4.6	21.6	25.6	28.5	12.4	4.0	-
Vilas	171	0.6	4.7	6.4	22.8	29.8	19.9	12.9	2.9	-
Walworth	1,019	0.1	4.1	4.9	24.6	27.8	26.1	10.6	1.8	-
Washburn	144	-	5.6	9.0	28.5	25.7	22.2	6.9	2.1	-
Washington	1,415	0.1	0.8	4.2	16.0	33.1	31.8	11.6	2.3	-
Waukesha	4,156	0.0	1.5	3.0	10.4	27.3	37.9	17.0	2.9	0.0
Waupaca	573	-	3.3	8.9	24.1	31.1	24.1	7.2	1.4	-
Waushara	236	0.4	4.2	6.8	22.5	32.6	21.6	9.3	2.5	-
Winnebago	1,826	0.2	2.8	7.0	19.3	31.4	26.6	10.6	2.0	0.1
Wood	922	-	2.9	8.6	24.5	33.3	23.1	6.5	1.0	0.1

Notes: Included in the totals are 2 births for which age of mother was not reported. A dash (-) indicates that there were no events in that category.

Table 7a. Number 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+
Total	66,490	163	2,541	4,384	13,972	19,994	17,198	7,008	1,172	56
DHFS Regions										
Southern	11,385	12	338	653	2,279	3,460	3,108	1,324	200	11
Southeastern	27,293	121	1,368	2,004	5,772	7,499	6,957	3,035	525	12
Northeastern	13,825	20	411	833	2,748	4,453	3,767	1,365	211	17
Western	8,559	4	256	531	1,953	2,795	2,037	819	154	9
Northern	5,428	6	168	363	1,220	1,787	1,329	465	82	7
Perinatal Regions										
South Central	13,136	12	407	731	2,651	4,011	3,589	1,504	220	11
South East	26,708	122	1,337	1,976	5,626	7,320	6,810	2,979	523	15
Fox Valley	6,774	7	185	409	1,317	2,197	1,872	668	111	8
North East	5,703	11	181	360	1,157	1,833	1,523	555	77	6
Western	6,224	3	157	348	1,331	2,063	1,562	642	111	6
North Central	6,574	8	204	446	1,527	2,179	1,561	537	101	10
Northwest	1,371	-	70	114	363	391	281	123	29	-

Table 7b. 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+
Total	66,490	0.2%	3.8%	6.6%	21.0%	30.1%	25.9%	10.5%	1.8%	0.1%
DHFS Regions										
Southern	11,385	0.1	3.0	5.7	20.0	30.4	27.3	11.6	1.8	0.1
Southeastern	27,293	0.4	5.0	7.3	21.1	27.5	25.5	11.1	1.9	0.0
Northeastern	13,825	0.1	3.0	6.0	19.9	32.2	27.2	9.9	1.5	0.1
Western	8,559	0.0	3.0	6.2	22.8	32.7	23.8	9.6	1.8	0.1
Northern	5,428	0.1	3.1	6.7	22.5	32.9	24.5	8.6	1.5	0.1
Perinatal Regions										
South Central	13,136	0.1	3.1	5.6	20.2	30.5	27.3	11.4	1.7	0.1
South East	26,708	0.5	5.0	7.4	21.1	27.4	25.5	11.2	2.0	0.1
Fox Valley	6,774	0.1	2.7	6.0	19.4	32.4	27.6	9.9	1.6	0.1
North East	5,703	0.2	3.2	6.3	20.3	32.1	26.7	9.7	1.4	0.1
Western	6,224	0.0	2.5	5.6	21.4	33.1	25.1	10.3	1.8	0.1
North Central	6,574	0.1	3.1	6.8	23.2	33.1	23.7	8.2	1.5	0.2
Northwest	1,371	-	5.1	8.3	26.5	28.5	20.5	9.0	2.1	-

Notes: Included in the totals are 2 births for which age of mother was not reported. A dash (-) indicates that there were no events in that category. 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 Notes (pages 91 and 92).

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

County	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Total	66,490	54,239	6,366	822	3,206	1,058	796
Adams	157	152	1	1	3	-	-
Ashland	202	169	-	28	1	-	4
Barron	463	444	-	11	7	-	1
Bayfield	147	131	-	16	-	-	-
Brown	3,051	2,651	41	113	127	104	15
Buffalo	143	142	-	-	1	-	-
Burnett	133	115	3	14	-	-	1
Calumet	452	439	-	1	3	6	3
Chippewa	638	623	-	-	2	6	7
Clark	470	460	1	2	6	-	1
Columbia	633	609	4	4	13	-	3
Crawford	182	180	-	1	-	-	1
Dane	5,023	4,208	331	23	209	60	191
Dodge	926	890	1	9	24	-	2
Door	218	209	-	5	4	-	-
Douglas	507	477	3	10	9	4	4
Dunn	466	431	3	1	1	24	6
Eau Claire	1,105	1,025	2	6	9	52	11
Florence	38	38	-	-	-	-	-
Fond du Lac	1,118	1,059	10	5	28	9	7
Forest	117	83	-	30	3	-	1
Grant	526	517	-	1	4	-	4
Green	370	363	1	2	3	-	1
Green Lake	216	206	1	-	4	5	-
Iowa	259	259	-	-	-	-	-
Iron	63	60	-	1	1	-	1
Jackson	211	185	-	21	4	-	1
Jefferson	914	852	2	2	53	-	5
Juneau	271	256	-	9	2	3	1
Kenosha	2,027	1,629	182	13	184	2	17
Kewaunee	228	227	-	-	-	-	1
La Crosse	1,327	1,212	21	5	7	63	19
Lafayette	159	159	-	-	-	-	-
Langlade	229	222	-	2	4	-	1
Lincoln	329	320	2	1	5	-	1
Manitowoc	902	848	-	6	16	28	4
Marathon	1,581	1,431	2	2	3	130	13
Marinette	424	420	-	1	3	-	-
Marquette	177	168	-	1	8	-	-
Menominee	95	4	-	89	2	-	-
Milwaukee	14,338	7,000	5,166	116	1,537	277	242
Monroe	511	485	-	8	13	-	5

(Continued)

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

County	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Oconto	347	335	1	7	3	-	1
Oneida	347	333	1	9	3	1	-
Outagamie	2,176	1,985	6	41	42	80	22
Ozaukee	860	832	4	-	10	1	13
Pepin	87	85	-	1	-	-	1
Pierce	344	338	1	-	1	2	2
Polk	415	403	2	4	5	-	1
Portage	759	708	3	2	10	31	5
Price	150	145	-	1	1	-	3
Racine	2,564	1,869	367	12	300	2	14
Richland	192	191	-	-	1	-	-
Rock	1,990	1,743	139	8	80	3	16
Rusk	162	155	1	2	1	3	-
St. Croix	758	746	3	3	2	2	2
Sauk	697	663	2	15	14	-	3
Sawyer	175	132	-	39	4	-	-
Shawano	438	396	-	32	5	1	4
Sheboygan	1,348	1,192	5	6	54	86	4
Taylor	198	196	-	-	1	-	1
Trempealeau	328	323	-	-	4	-	1
Vernon	347	344	-	1	2	-	-
Vilas	171	128	-	40	2	-	1
Walworth	1,019	886	3	1	117	-	12
Washburn	144	140	-	3	1	-	-
Washington	1,415	1,386	4	4	16	-	5
Waukesha	4,156	3,901	29	5	136	3	82
Waupaca	573	559	-	3	8	-	3
Waushara	236	204	-	1	30	-	1
Winnebago	1,826	1,694	14	11	37	51	19
Wood	922	869	4	11	13	19	6

Notes: See Technical Notes for full definitions of race/ethnicity categories. Included in the totals are 3 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no events in that category.

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

County	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Total	66,490	81.6%	9.6%	1.2%	4.8%	1.6%	1.2%
Adams	157	96.8	0.6	0.6	1.9	-	-
Ashland	202	83.7	-	13.9	0.5	-	2.0
Barron	463	95.9	-	2.4	1.5	-	0.2
Bayfield	147	89.1	-	10.9	-	-	-
Brown	3,051	86.9	1.3	3.7	4.2	3.4	0.5
Buffalo	143	99.3	-	-	0.7	-	-
Burnett	133	86.5	2.3	10.5	-	-	0.8
Calumet	452	97.1	-	0.2	0.7	1.3	0.7
Chippewa	638	97.6	-	-	0.3	0.9	1.1
Clark	470	97.9	0.2	0.4	1.3	-	0.2
Columbia	633	96.2	0.6	0.6	2.1	-	0.5
Crawford	182	98.9	-	0.5	-	-	0.5
Dane	5,023	83.8	6.6	0.5	4.2	1.2	3.8
Dodge	926	96.1	0.1	1.0	2.6	-	0.2
Door	218	95.9	-	2.3	1.8	-	-
Douglas	507	94.1	0.6	2.0	1.8	0.8	0.8
Dunn	466	92.5	0.6	0.2	0.2	5.2	1.3
Eau Claire	1,105	92.8	0.2	0.5	0.8	4.7	1.0
Florence	38	100.0	-	-	-	-	-
Fond du Lac	1,118	94.7	0.9	0.4	2.5	0.8	0.6
Forest	117	70.9	-	25.6	2.6	-	0.9
Grant	526	98.3	-	0.2	0.8	-	0.8
Green	370	98.1	0.3	0.5	0.8	-	0.3
Green Lake	216	95.4	0.5	-	1.9	2.3	-
Iowa	259	100.0	-	-	-	-	-
Iron	63	95.2	-	1.6	1.6	-	1.6
Jackson	211	87.7	-	10.0	1.9	-	0.5
Jefferson	914	93.2	0.2	0.2	5.8	-	0.5
Juneau	271	94.5	-	3.3	0.7	1.1	0.4
Kenosha	2,027	80.4	9.0	0.6	9.1	0.1	0.8
Kewaunee	228	99.6	-	-	-	-	0.4
La Crosse	1,327	91.3	1.6	0.4	0.5	4.7	1.4
Lafayette	159	100.0	-	-	-	-	-
Langlade	229	96.9	-	0.9	1.7	-	0.4
Lincoln	329	97.3	0.6	0.3	1.5	-	0.3
Manitowoc	902	94.0	-	0.7	1.8	3.1	0.4
Marathon	1,581	90.5	0.1	0.1	0.2	8.2	0.8
Marinette	424	99.1	-	0.2	0.7	-	-
Marquette	177	94.9	-	0.6	4.5	-	-
Menominee	95	4.2	-	93.7	2.1	-	-
Milwaukee	14,338	48.8	36.0	0.8	10.7	1.9	1.7
Monroe	511	94.9	-	1.6	2.5	-	1.0

(Continued)

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

County	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Oconto	347	96.5	0.3	2.0	0.9	-	0.3
Oneida	347	96.0	0.3	2.6	0.9	0.3	-
Outagamie	2,176	91.2	0.3	1.9	1.9	3.7	1.0
Ozaukee	860	96.7	0.5	-	1.2	0.1	1.5
Pepin	87	97.7	-	1.1	-	-	1.1
Pierce	344	98.3	0.3	-	0.3	0.6	0.6
Polk	415	97.1	0.5	1.0	1.2	-	0.2
Portage	759	93.3	0.4	0.3	1.3	4.1	0.7
Price	150	96.7	-	0.7	0.7	-	2.0
Racine	2,564	72.9	14.3	0.5	11.7	0.1	0.5
Richland	192	99.5	-	-	0.5	-	-
Rock	1,990	87.6	7.0	0.4	4.0	0.2	0.8
Rusk	162	95.7	0.6	1.2	0.6	1.9	-
St. Croix	758	98.4	0.4	0.4	0.3	0.3	0.3
Sauk	697	95.1	0.3	2.2	2.0	-	0.4
Sawyer	175	75.4	-	22.3	2.3	-	-
Shawano	438	90.4	-	7.3	1.1	0.2	0.9
Sheboygan	1,348	88.4	0.4	0.4	4.0	6.4	0.3
Taylor	198	99.0	-	-	0.5	-	0.5
Trempealeau	328	98.5	-	-	1.2	-	0.3
Vernon	347	99.1	-	0.3	0.6	-	-
Vilas	171	74.9	-	23.4	1.2	-	0.6
Walworth	1,019	86.9	0.3	0.1	11.5	-	1.2
Washburn	144	97.2	-	2.1	0.7	-	-
Washington	1,415	98.0	0.3	0.3	1.1	-	0.4
Waukesha	4,156	93.9	0.7	0.1	3.3	0.1	2.0
Waupaca	573	97.6	-	0.5	1.4	-	0.5
Waushara	236	86.4	-	0.4	12.7	-	0.4
Winnebago	1,826	92.8	0.8	0.6	2.0	2.8	1.0
Wood	922	94.3	0.4	1.2	1.4	2.1	0.7

Notes: See Technical Notes for full definitions of race/ethnicity categories. Included in the totals are 3 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no events in that category.

Table 9a. Number of Births by Race/Ethnicity of Mother and Region

	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Total	66,490	54,239	6,366	822	3,206	1,058	796
DHFS Regions							
Southern	11,385	10,190	479	73	353	66	222
Southeastern	27,293	18,355	5,757	153	2,353	285	390
Northeastern	13,825	12,596	78	322	374	370	84
Western	8,559	8,133	40	92	75	156	63
Northern	5,428	4,965	12	182	51	181	37
Perinatal Regions							
South Central	13,136	11,748	484	75	523	66	238
South East	26,708	17,809	5,757	156	2,237	371	377
Fox Valley	6,774	6,314	31	63	160	151	55
North East	5,703	5,090	42	253	160	133	25
Western	6,224	5,899	32	51	49	143	50
North Central	6,574	6,155	14	113	61	190	41
Northwest	1,371	1,224	6	111	16	4	10

Table 9b. Percent of Births by Race/Ethnicity of Mother and Region

	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Total	66,490	81.6%	9.6%	1.2%	4.8%	1.6%	1.2%
DHFS Regions							
Southern	11,385	89.5	4.2	0.6	3.1	0.6	1.9
Southeastern	27,293	67.3	21.1	0.6	8.6	1.0	1.4
Northeastern	13,825	91.1	0.6	2.3	2.7	2.7	0.6
Western	8,559	95.0	0.5	1.1	0.9	1.8	0.7
Northern	5,428	91.5	0.2	3.4	0.9	3.3	0.7
Perinatal Regions							
South Central	13,136	89.4	3.7	0.6	4.0	0.5	1.8
South East	26,708	66.7	21.6	0.6	8.4	1.4	1.4
Fox Valley	6,774	93.2	0.5	0.9	2.4	2.2	0.8
North East	5,703	89.3	0.7	4.4	2.8	2.3	0.4
Western	6,224	94.8	0.5	0.8	0.8	2.3	0.8
North Central	6,574	93.6	0.2	1.7	0.9	2.9	0.6
Northwest	1,371	89.3	0.4	8.1	1.2	0.3	0.7

Notes: See Technical Notes for full definitions of race/ethnicity categories. Included in the totals are 3 births for which race/ethnicity 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 Notes (pages 91 and 92).

Table 10a. 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	66,490	2,087	8,575	21,939	16,252	10,869	6,686
Adams	157	1	29	74	35	13	5
Ashland	202	-	29	88	57	16	12
Barron	463	24	53	194	126	37	29
Bayfield	147	-	16	50	44	23	14
Brown	3,051	130	323	948	784	598	266
Buffalo	143	6	6	51	58	16	6
Burnett	133	1	15	64	37	10	6
Calumet	452	8	24	151	116	99	53
Chippewa	638	7	52	250	204	78	47
Clark	470	114	51	149	100	28	28
Columbia	633	21	54	208	195	100	55
Crawford	182	2	19	79	58	12	11
Dane	5,023	73	381	1,129	1,190	1,201	1,048
Dodge	926	2	107	397	234	122	63
Door	218	2	15	89	63	29	20
Douglas	507	4	63	183	148	71	36
Dunn	466	19	39	149	144	64	50
Eau Claire	1,105	69	84	304	314	198	133
Florence	38	1	6	16	9	4	2
Fond du Lac	1,118	20	122	459	271	154	91
Forest	117	2	32	44	25	7	7
Grant	526	7	52	184	161	84	33
Green	370	5	31	152	108	49	25
Green Lake	216	24	17	74	56	20	25
Iowa	259	2	14	89	89	42	23
Iron	63	-	5	22	24	9	3
Jackson	211	2	31	84	52	20	22
Jefferson	914	14	93	344	231	142	90
Juneau	271	2	51	115	74	15	13
Kenosha	2,027	51	328	831	430	263	122
Kewaunee	228	-	19	100	64	35	10
La Crosse	1,327	37	96	362	418	232	182
Lafayette	159	2	11	62	50	25	9
Langlade	229	3	29	109	53	19	16
Lincoln	329	1	38	140	94	34	21
Manitowoc	902	29	95	360	235	130	52
Marathon	1,581	94	128	557	449	205	144
Marinette	424	3	41	199	117	34	30
Marquette	177	16	26	69	36	20	10
Menominee	95	4	26	41	16	1	4
Milwaukee	14,338	662	3,393	4,350	2,804	1,939	1,184
Monroe	511	73	65	187	103	54	29

(Continued)

Table 10a. 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	347	4	34	164	76	42	27
Oneida	347	2	38	141	93	42	30
Outagamie	2,176	64	138	810	512	425	223
Ozaukee	860	1	24	200	228	270	137
Pepin	87	14	6	28	22	11	6
Pierce	344	-	17	121	107	54	43
Polk	415	2	39	179	111	55	29
Portage	759	23	60	267	196	141	70
Price	150	-	17	59	47	14	13
Racine	2,564	64	439	840	672	350	198
Richland	192	6	25	83	42	18	18
Rock	1,990	33	353	707	483	229	173
Rusk	162	3	32	66	41	12	8
St. Croix	758	2	49	235	198	197	75
Sauk	697	30	82	258	171	91	64
Sawyer	175	1	20	75	48	20	11
Shawano	438	12	47	194	107	48	30
Sheboygan	1,348	51	122	470	357	221	123
Taylor	198	10	23	82	58	15	10
Trempealeau	328	12	35	125	85	40	31
Vernon	347	77	22	92	79	55	21
Vilas	171	-	22	69	49	19	12
Walworth	1,019	37	134	377	250	138	82
Washburn	144	-	20	53	45	18	8
Washington	1,415	4	67	468	428	296	151
Waukesha	4,156	17	181	946	992	1,303	713
Waupaca	573	5	78	257	130	63	40
Waushara	236	22	45	85	46	22	15
Winnebago	1,826	40	198	626	430	301	223
Wood	922	14	99	355	273	107	73

Notes: "Some High School" or "Some College" means the mother completed at least one year of schooling at that level. Included in the totals are 82 births for which education of mother was not reported. A dash (-) indicates that there were no events in that category.

Table 10b. 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	66,490	3.1	12.9	33.0	24.4	16.3	10.1
Adams	157	0.6	18.5	47.1	22.3	8.3	3.2
Ashland	202	-	14.4	43.6	28.2	7.9	5.9
Barron	463	5.2	11.4	41.9	27.2	8.0	6.3
Bayfield	147	-	10.9	34.0	29.9	15.6	9.5
Brown	3,051	4.3	10.6	31.1	25.7	19.6	8.7
Buffalo	143	4.2	4.2	35.7	40.6	11.2	4.2
Burnett	133	0.8	11.3	48.1	27.8	7.5	4.5
Calumet	452	1.8	5.3	33.4	25.7	21.9	11.7
Chippewa	638	1.1	8.2	39.2	32.0	12.2	7.4
Clark	470	24.3	10.9	31.7	21.3	6.0	6.0
Columbia	633	3.3	8.5	32.9	30.8	15.8	8.7
Crawford	182	1.1	10.4	43.4	31.9	6.6	6.0
Dane	5,023	1.5	7.6	22.5	23.7	23.9	20.9
Dodge	926	0.2	11.6	42.9	25.3	13.2	6.8
Door	218	0.9	6.9	40.8	28.9	13.3	9.2
Douglas	507	0.8	12.4	36.1	29.2	14.0	7.1
Dunn	466	4.1	8.4	32.0	30.9	13.7	10.7
Eau Claire	1,105	6.2	7.6	27.5	28.4	17.9	12.0
Florence	38	2.6	15.8	42.1	23.7	10.5	5.3
Fond du Lac	1,118	1.8	10.9	41.1	24.2	13.8	8.1
Forest	117	1.7	27.4	37.6	21.4	6.0	6.0
Grant	526	1.3	9.9	35.0	30.6	16.0	6.3
Green	370	1.4	8.4	41.1	29.2	13.2	6.8
Green Lake	216	11.1	7.9	34.3	25.9	9.3	11.6
Iowa	259	0.8	5.4	34.4	34.4	16.2	8.9
Iron	63	-	7.9	34.9	38.1	14.3	4.8
Jackson	211	0.9	14.7	39.8	24.6	9.5	10.4
Jefferson	914	1.5	10.2	37.6	25.3	15.5	9.8
Juneau	271	0.7	18.8	42.4	27.3	5.5	4.8
Kenosha	2,027	2.5	16.2	41.0	21.2	13.0	6.0
Kewaunee	228	-	8.3	43.9	28.1	15.4	4.4
La Crosse	1,327	2.8	7.2	27.3	31.5	17.5	13.7
Lafayette	159	1.3	6.9	39.0	31.4	15.7	5.7
Langlade	229	1.3	12.7	47.6	23.1	8.3	7.0
Lincoln	329	0.3	11.6	42.6	28.6	10.3	6.4
Manitowoc	902	3.2	10.5	39.9	26.1	14.4	5.8
Marathon	1,581	5.9	8.1	35.2	28.4	13.0	9.1
Marinette	424	0.7	9.7	46.9	27.6	8.0	7.1
Marquette	177	9.0	14.7	39.0	20.3	11.3	5.6
Menominee	95	4.2	27.4	43.2	16.8	1.1	4.2
Milwaukee	14,338	4.6	23.7	30.3	19.6	13.5	8.3
Monroe	511	14.3	12.7	36.6	20.2	10.6	5.7

(Continued)

Table 10b. 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	347	1.2	9.8	47.3	21.9	12.1	7.8
Oneida	347	0.6	11.0	40.6	26.8	12.1	8.6
Outagamie	2,176	2.9	6.3	37.2	23.5	19.5	10.2
Ozaukee	860	0.1	2.8	23.3	26.5	31.4	15.9
Pepin	87	16.1	6.9	32.2	25.3	12.6	6.9
Pierce	344	-	4.9	35.2	31.1	15.7	12.5
Polk	415	0.5	9.4	43.1	26.7	13.3	7.0
Portage	759	3.0	7.9	35.2	25.8	18.6	9.2
Price	150	-	11.3	39.3	31.3	9.3	8.7
Racine	2,564	2.5	17.1	32.8	26.2	13.7	7.7
Richland	192	3.1	13.0	43.2	21.9	9.4	9.4
Rock	1,990	1.7	17.7	35.5	24.3	11.5	8.7
Rusk	162	1.9	19.8	40.7	25.3	7.4	4.9
St. Croix	758	0.3	6.5	31.0	26.1	26.0	9.9
Sauk	697	4.3	11.8	37.0	24.5	13.1	9.2
Sawyer	175	0.6	11.4	42.9	27.4	11.4	6.3
Shawano	438	2.7	10.7	44.3	24.4	11.0	6.8
Sheboygan	1,348	3.8	9.1	34.9	26.5	16.4	9.1
Taylor	198	5.1	11.6	41.4	29.3	7.6	5.1
Trempealeau	328	3.7	10.7	38.1	25.9	12.2	9.5
Vernon	347	22.2	6.3	26.5	22.8	15.9	6.1
Vilas	171	-	12.9	40.4	28.7	11.1	7.0
Walworth	1,019	3.6	13.2	37.0	24.5	13.5	8.0
Washburn	144	-	13.9	36.8	31.3	12.5	5.6
Washington	1,415	0.3	4.7	33.1	30.2	20.9	10.7
Waukesha	4,156	0.4	4.4	22.8	23.9	31.4	17.2
Waupaca	573	0.9	13.6	44.9	22.7	11.0	7.0
Waushara	236	9.3	19.1	36.0	19.5	9.3	6.4
Winnebago	1,826	2.2	10.8	34.3	23.5	16.5	12.2
Wood	922	1.5	10.7	38.5	29.6	11.6	7.9

Notes: "Some High School" or "Some College" means the mother completed at least one year of schooling at that level. Included in the totals are 82 births for which education of mother was not reported. A dash (-) indicates that there were no events in that category.

Table 11a. Number of Births by Education of Mother and Region

	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	66,490	2,087	8,575	21,939	16,252	10,869	6,686
DHFS Regions							
Southern	11,385	186	1,209	3,537	2,890	2,001	1,540
Southeastern	27,293	850	4,659	8,356	6,035	4,701	2,677
Northeastern	13,825	434	1,370	5,096	3,416	2,242	1,242
Western	8,559	466	775	2,876	2,392	1,250	789
Northern	5,428	151	562	2,074	1,519	675	438
Perinatal Regions							
South Central	13,136	235	1,417	4,179	3,313	2,269	1,701
Southeast	26,708	850	4,554	8,105	5,911	4,642	2,628
Fox Valley	6,774	199	648	2,531	1,597	1,104	680
Northeast	5,703	184	600	2,095	1,462	917	439
Western	6,224	315	508	1,996	1,749	1,008	638
North Central	6,574	298	680	2,498	1,817	762	510
Northwest	1,371	6	168	535	403	167	90

Table 11b. Percent of Births by Education of Mother and Region

	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	66,490	3.1	12.9	33.0	24.4	16.3	10.1
DHFS Regions							
Southern	11,385	1.6	10.6	31.1	25.4	17.6	13.5
Southeastern	27,293	3.1	17.1	30.6	22.1	17.2	9.8
Northeastern	13,825	3.1	9.9	36.9	24.7	16.2	9.0
Western	8,559	5.4	9.1	33.6	27.9	14.6	9.2
Northern	5,428	2.8	10.4	38.2	28.0	12.4	8.1
Perinatal Regions							
South Central	13,136	1.8	10.8	31.8	25.2	17.3	12.9
Southeast	26,708	3.2	17.1	30.3	22.1	17.4	9.8
Fox Valley	6,774	2.9	9.6	37.4	23.6	16.3	10.0
Northeast	5,703	3.2	10.5	36.7	25.6	16.1	7.7
Western	6,224	5.1	8.2	32.1	28.1	16.2	10.3
North Central	6,574	4.5	10.3	38.0	27.6	11.6	7.8
Northwest	1,371	0.4	12.3	39.0	29.4	12.2	6.6

Notes: "Some High School" or "Some College" means the mother completed at least one year of schooling at that level. Included in the totals are 82 births for which education of mother was not reported. For information and maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 91 and 92).

Table 12a. Number of Births to Unmarried Mothers by Age and County of Residence

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	18,884	163	2,330	3,500	6,848	3,480	1,628	773	161
Adams	63	-	9	16	22	5	8	3	-
Ashland	58	-	6	16	18	10	-	6	2
Barron	136	-	10	34	53	21	11	4	3
Bayfield	41	-	7	7	10	11	3	3	n/s
Brown	782	7	87	130	271	161	79	41	6
Buffalo	29	-	n/s	4	13	5	3	2	n/s
Burnett	52	-	7	10	15	12	6	2	n/s
Calumet	65	n/s	6	12	32	7	5	2	n/s
Chippewa	148	n/s	20	33	51	27	12	3	-
Clark	77	-	11	22	18	16	6	3	1
Columbia	122	n/s	11	21	42	25	13	5	3
Crawford	60	n/s	5	9	24	9	8	3	1
Dane	1,079	5	106	171	382	230	105	63	17
Dodge	202	-	31	40	65	40	19	6	1
Door	56	n/s	6	13	22	9	2	2	n/s
Douglas	187	-	29	26	74	37	15	4	2
Dunn	85	n/s	10	19	36	10	5	3	-
Eau Claire	263	-	23	55	102	52	16	13	2
Florence	2	-	n/s	n/s	1	-	-	n/s	-
Fond du Lac	288	-	39	49	116	54	22	7	1
Forest	59	n/s	9	7	29	6	7	n/s	-
Grant	124	-	11	32	47	24	8	2	n/s
Green	83	-	9	12	33	18	8	3	-
Green Lake	38	n/s	5	11	9	9	2	1	n/s
Iowa	49	-	n/s	4	27	10	3	2	-
Iron	10	-	n/s	n/s	4	2	-	-	n/s
Jackson	57	-	6	12	17	16	4	2	n/s
Jefferson	160	-	28	22	44	40	16	8	2
Juneau	83	-	11	18	31	16	6	-	n/s
Kenosha	665	8	77	124	238	113	73	30	2
Kewaunee	38	-	6	8	9	9	3	2	n/s
La Crosse	264	-	26	48	90	59	29	9	3
Lafayette	33	-	n/s	n/s	16	8	2	1	n/s
Langlade	70	-	8	18	23	12	7	1	1
Lincoln	75	-	7	15	26	16	8	3	n/s
Manitowoc	214	n/s	19	47	81	30	19	13	4
Marathon	279	n/s	29	32	120	57	31	7	1
Marinette	91	n/s	11	21	35	13	8	2	-
Marquette	45	-	5	12	15	8	4	1	-
Menominee	73	n/s	6	14	20	22	8	2	-
Milwaukee	7,035	101	957	1,225	2,543	1,291	569	283	66
Monroe	113	-	17	17	43	21	11	3	1

(Continued)

Table 12a. Number of Births to Unmarried Mothers by Age and County of Residence

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Oconto	90	-	11	20	35	16	8	-	-
Oneida	77	-	6	20	26	13	6	5	-
Outagamie	355	n/s	38	69	128	62	42	12	3
Ozaukee	83	-	9	14	35	8	12	4	1
Pepin	8	-	n/s	n/s	3	1	-	-	n/s
Pierce	76	-	n/s	17	26	16	8	5	-
Polk	100	-	9	14	36	25	10	5	1
Portage	115	n/s	15	26	45	17	6	4	-
Price	34	-	n/s	8	13	8	-	1	n/s
Racine	897	8	115	188	328	142	78	30	8
Richland	46	-	5	11	11	7	9	3	n/s
Rock	656	n/s	94	137	251	100	45	23	2
Rusk	51	-	14	8	16	9	1	3	n/s
St. Croix	129	-	15	26	48	21	11	4	4
Sauk	141	-	13	31	45	38	9	4	1
Sawyer	65	-	7	15	24	9	9	1	n/s
Shawano	115	-	12	28	40	22	9	4	-
Sheboygan	263	n/s	38	41	104	43	25	7	3
Taylor	39	-	n/s	9	15	8	1	2	-
Trempealeau	85	-	7	12	29	27	6	4	-
Vernon	65	-	11	12	22	12	6	2	-
Vilas	59	n/s	7	10	18	15	5	3	-
Walworth	234	n/s	36	38	92	36	23	8	-
Washburn	50	-	7	10	21	5	4	2	n/s
Washington	216	n/s	12	49	95	26	17	11	4
Waukesha	513	n/s	58	100	175	91	42	42	4
Waupaca	144	-	17	36	55	25	7	4	-
Waushara	59	n/s	8	10	16	16	5	3	-
Winnebago	416	n/s	47	89	146	74	36	18	3
Wood	250	-	24	60	83	47	24	9	3

Notes: Included in the totals is one birth for which age of mother was not reported.
 A dash (-) indicates that there were no births to unmarried women in this age group.
 An n/s indicates that births to unmarried women are not shown, and at least one but fewer than five total births (to married and unmarried mothers) occurred in the age group (see Table 6a).

Table 12b. Percent of Births to Unmarried Mothers by Age and County of Residence

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	18,884	0.9	12.3	18.5	36.3	18.4	8.6	4.1	0.9
Adams	63	-	14.3	25.4	34.9	7.9	12.7	4.8	-
Ashland	58	-	10.3	27.6	31.0	17.2	-	10.3	3.4
Barron	136	-	7.4	25.0	39.0	15.4	8.1	2.9	2.2
Bayfield	41	-	17.1	17.1	24.4	26.8	7.3	7.3	n/s
Brown	782	0.9	11.1	16.6	34.7	20.6	10.1	5.2	0.8
Buffalo	29	-	n/s	13.8	44.8	17.2	10.3	6.9	n/s
Burnett	52	-	13.5	19.2	28.8	23.1	11.5	3.8	n/s
Calumet	65	n/s	9.2	18.5	49.2	10.8	7.7	3.1	n/s
Chippewa	148	n/s	13.5	22.3	34.5	18.2	8.1	2.0	-
Clark	77	-	14.3	28.6	23.4	20.8	7.8	3.9	1.3
Columbia	122	n/s	9.0	17.2	34.4	20.5	10.7	4.1	2.5
Crawford	60	n/s	8.3	15.0	40.0	15.0	13.3	5.0	1.7
Dane	1,079	0.5	9.8	15.8	35.4	21.3	9.7	5.8	1.6
Dodge	202	-	15.3	19.8	32.2	19.8	9.4	3.0	0.5
Door	56	n/s	10.7	23.2	39.3	16.1	3.6	3.6	n/s
Douglas	187	-	15.5	13.9	39.6	19.8	8.0	2.1	1.1
Dunn	85	n/s	11.8	22.4	42.4	11.8	5.9	3.5	-
Eau Claire	263	-	8.7	20.9	38.8	19.8	6.1	4.9	0.8
Florence	2	-	n/s	n/s	50.0	-	-	n/s	-
Fond du Lac	288	-	13.5	17.0	40.3	18.8	7.6	2.4	0.3
Forest	59	n/s	15.3	11.9	49.2	10.2	11.9	n/s	-
Grant	124	-	8.9	25.8	37.9	19.4	6.5	1.6	n/s
Green	83	-	10.8	14.5	39.8	21.7	9.6	3.6	-
Green Lake	38	n/s	13.2	28.9	23.7	23.7	5.3	2.6	n/s
Iowa	49	-	n/s	8.2	55.1	20.4	6.1	4.1	-
Iron	10	-	n/s	n/s	40.0	20.0	-	-	n/s
Jackson	57	-	10.5	21.1	29.8	28.1	7.0	3.5	n/s
Jefferson	160	-	17.5	13.8	27.5	25.0	10.0	5.0	1.3
Juneau	83	-	13.3	21.7	37.3	19.3	7.2	-	n/s
Kenosha	665	1.2	11.6	18.6	35.8	17.0	11.0	4.5	0.3
Kewaunee	38	-	15.8	21.1	23.7	23.7	7.9	5.3	n/s
La Crosse	264	-	9.8	18.2	34.1	22.3	11.0	3.4	1.1
Lafayette	33	-	n/s	n/s	48.5	24.2	6.1	3.0	n/s
Langlade	70	-	11.4	25.7	32.9	17.1	10.0	1.4	1.4
Lincoln	75	-	9.3	20.0	34.7	21.3	10.7	4.0	n/s
Manitowoc	214	n/s	8.9	22.0	37.9	14.0	8.9	6.1	1.9
Marathon	279	n/s	10.4	11.5	43.0	20.4	11.1	2.5	0.4
Marinette	91	n/s	12.1	23.1	38.5	14.3	8.8	2.2	-
Marquette	45	-	11.1	26.7	33.3	17.8	8.9	2.2	-
Menominee	73	n/s	8.2	19.2	27.4	30.1	11.0	2.7	-
Milwaukee	7,035	1.4	13.6	17.4	36.1	18.4	8.1	4.0	0.9
Monroe	113	-	15.0	15.0	38.1	18.6	9.7	2.7	0.9

(Continued)

Table 12b. Percent of Births to Unmarried Mothers by Age and County of Residence

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Oconto	90	-	12.2	22.2	38.9	17.8	8.9	-	-
Oneida	77	-	7.8	26.0	33.8	16.9	7.8	6.5	-
Outagamie	355	n/s	10.7	19.4	36.1	17.5	11.8	3.4	0.8
Ozaukee	83	-	10.8	16.9	42.2	9.6	14.5	4.8	1.2
Pepin	8	-	n/s	n/s	37.5	12.5	-	-	n/s
Pierce	76	-	n/s	22.4	34.2	21.1	10.5	6.6	-
Polk	100	-	9.0	14.0	36.0	25.0	10.0	5.0	1
Portage	115	n/s	13.0	22.6	39.1	14.8	5.2	3.5	-
Price	34	-	n/s	23.5	38.2	23.5	-	2.9	n/s
Racine	897	0.9	12.8	21.0	36.6	15.8	8.7	3.3	0.9
Richland	46	-	10.9	23.9	23.9	15.2	19.6	6.5	n/s
Rock	656	n/s	14.3	20.9	38.3	15.2	6.9	3.5	0.3
Rusk	51	-	27.5	15.7	31.4	17.6	2.0	5.9	n/s
St. Croix	129	-	11.6	20.2	37.2	16.3	8.5	3.1	3.1
Sauk	141	-	9.2	22.0	31.9	27.0	6.4	2.8	0.7
Sawyer	65	-	10.8	23.1	36.9	13.8	13.8	1.5	n/s
Shawano	115	-	10.4	24.3	34.8	19.1	7.8	3.5	-
Sheboygan	263	n/s	14.4	15.6	39.5	16.3	9.5	2.7	1.1
Taylor	39	-	n/s	23.1	38.5	20.5	2.6	5.1	-
Trempealeau	85	-	8.2	14.1	34.1	31.8	7.1	4.7	-
Vernon	65	-	16.9	18.5	33.8	18.5	9.2	3.1	-
Vilas	59	n/s	11.9	16.9	30.5	25.4	8.5	5.1	-
Walworth	234	n/s	15.4	16.2	39.3	15.4	9.8	3.4	-
Washburn	50	-	14.0	20.0	42.0	10.0	8.0	4.0	n/s
Washington	216	n/s	5.6	22.7	44.0	12.0	7.9	5.1	1.9
Waukesha	513	n/s	11.3	19.5	34.1	17.7	8.2	8.2	0.8
Waupaca	144	-	11.8	25.0	38.2	17.4	4.9	2.8	-
Waushara	59	n/s	13.6	16.9	27.1	27.1	8.5	5.1	-
Winnebago	416	n/s	11.3	21.4	35.1	17.8	8.7	4.3	0.7
Wood	250	-	9.6	24.0	33.2	18.8	9.6	3.6	1.2

Notes: Included in the totals is one birth for which age of mother was not reported.
 A dash (-) indicates that there were no births to unmarried women in this age group.
 An n/s indicates that births to unmarried women are not shown, and at least one but fewer than five total births (to married and unmarried mothers) occurred in the age group (see Table 6a).

Table 13a. Births to Unmarried Mothers by Age and Region

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	18,884	163	2,330	3,500	6,848	3,480	1,628	773	161
DHFS Regions									
Southern	2,741	12	310	506	996	530	243	118	26
Southeastern	9,803	121	1,292	1,760	3,550	1,747	830	416	87
Northeastern	3,132	20	361	610	1,134	580	284	121	22
Western	1,975	n/s	232	379	713	392	164	73	18
Northern	1,233	6	135	245	455	231	107	45	8
Perinatal Regions									
South Central	3,075	12	369	557	1,108	597	274	131	27
South East	9,672	122	1,266	1,741	3,518	1,714	816	407	88
Fox Valley	1,410	7	165	288	517	255	123	48	7
North East	1,459	11	158	281	513	282	136	66	12
Western	1,334	n/s	139	245	489	274	117	55	12
North Central	1,471	8	167	303	537	272	125	48	10
Northwest	463	n/s	66	85	166	86	37	18	5

Table 13b. Percent of Births to Unmarried Mothers by Age and Region

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	18,884	0.9%	12.3%	18.5%	36.3%	18.4%	8.6%	4.1%	0.9%
DHFS Regions									
Southern	2,741	0.4	11.3	18.5	36.3	19.3	8.9	4.3	0.9
Southeastern	9,803	1.2	13.2	18.0	36.2	17.8	8.5	4.2	0.9
Northeastern	3,132	0.6	11.5	19.5	36.2	18.5	9.1	3.9	0.7
Western	1,975	n/s	11.7	19.2	36.1	19.8	8.3	3.7	0.9
Northern	1,233	0.5	10.9	19.9	36.9	18.7	8.7	3.6	0.6
Perinatal Regions									
South Central	3,075	0.4	12.0	18.1	36.0	19.4	8.9	4.3	0.9
South East	9,672	1.3	13.1	18.0	36.4	17.7	8.4	4.2	0.9
Fox Valley	1,410	0.5	11.7	20.4	36.7	18.1	8.7	3.4	0.5
North East	1,459	0.8	10.8	19.3	35.2	19.3	9.3	4.5	0.8
Western	1,334	n/s	10.4	18.4	36.7	20.5	8.8	4.1	0.9
North Central	1,471	0.5	11.4	20.6	36.5	18.5	8.5	3.3	0.7
Northwest	463	n/s	14.3	18.4	35.9	18.6	8.0	3.9	1.1

Notes: Included in the totals is one birth for which education of mother was not reported. For information and maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 91 and 92). An n/s indicates that births to unmarried women are not shown, and at least one but fewer than five total births (to married and unmarried mothers) occurred in the age group (see Table 6a).

Table 14. Births by Trimester Prenatal Care Began and County of Residence

County	Total	Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
		First	Second	Third	No Care	1997	1996	1995
Total	66,490	56,112	8,147	1,582	531	84.4%	83.9%	83.2%
Adams	157	127	24	6	-	80.9	69.0	76.6
Ashland	202	161	34	5	1	79.7	81.6	77.0
Barron	463	363	77	18	5	78.4	80.5	76.5
Bayfield	147	131	13	2	1	89.1	79.9	76.3
Brown	3,051	2,673	291	67	20	87.6	86.9	87.5
Buffalo	143	115	22	4	1	80.4	81.5	83.0
Burnett	133	98	27	6	1	73.7	77.6	77.8
Calumet	452	398	48	6	-	88.1	86.7	87.9
Chippewa	638	531	88	13	3	83.2	84.2	86.9
Clark	470	306	121	33	10	65.1	68.3	72.8
Columbia	633	529	90	9	3	83.6	84.9	82.2
Crawford	182	143	31	5	2	78.6	76.5	69.8
Dane	5,023	4,491	442	67	20	89.4	90.2	88.9
Dodge	926	828	81	13	4	89.4	87.0	88.2
Door	218	186	26	3	3	85.3	88.1	86.2
Douglas	507	438	54	10	2	86.4	83.3	86.4
Dunn	466	378	64	19	-	81.1	79.5	75.7
Eau Claire	1,105	889	158	31	15	80.5	80.1	76.0
Florence	38	29	8	1	-	76.3	85.9	86.1
Fond du Lac	1,118	962	135	19	2	86.0	88.0	86.8
Forest	117	86	20	10	1	73.5	81.9	75.2
Grant	526	419	86	8	6	79.7	77.9	81.8
Green	370	331	36	2	1	89.5	89.0	85.1
Green Lake	216	165	40	9	2	76.4	67.8	74.0
Iowa	259	228	24	6	1	88.0	87.3	85.1
Iron	63	57	4	1	-	90.5	81.6	82.5
Jackson	211	169	35	3	1	80.1	79.3	74.6
Jefferson	914	787	109	15	3	86.1	87.1	84.9
Juneau	271	210	51	9	1	77.5	71.6	71.8
Kenosha	2,027	1,671	281	49	23	82.4	85.6	82.7
Kewaunee	228	197	26	4	1	86.4	89.3	90.4
La Crosse	1,327	1,165	135	17	6	87.8	88.3	85.5
Lafayette	159	129	25	4	-	81.1	82.2	83.0
Langlade	229	195	31	2	1	85.2	83.2	87.3
Lincoln	329	279	41	8	1	84.8	87.0	88.4
Manitowoc	902	809	71	14	7	89.7	92.6	92.1
Marathon	1,581	1,268	272	36	4	80.2	81.1	79.6
Marinette	424	359	49	12	4	84.7	83.3	80.0
Marquette	177	127	45	5	-	71.8	72.8	75.2
Menominee	95	57	32	5	1	60.0	56.0	65.2
Milwaukee	14,338	11,677	2,012	437	209	81.4	78.8	78.4
Monroe	511	384	76	31	20	75.1	75.9	75.6

(Continued)

Table 14. Births by Trimester Prenatal Care Began and County of Residence

County	Total	Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
		First	Second	Third	No Care	1997	1996	1995
Oconto	347	301	39	6	1	86.7	83.4	83.8
Oneida	347	304	33	6	-	87.6	86.5	86.9
Outagamie	2,176	1,861	256	53	6	85.5	87.5	88.6
Ozaukee	860	814	35	6	3	94.7	94.3	94.0
Pepin	87	57	18	6	4	65.5	69.3	73.5
Pierce	344	294	38	4	2	85.5	83.4	80.4
Polk	415	339	60	10	1	81.7	78.7	80.6
Portage	759	572	173	13	1	75.4	70.9	68.8
Price	150	121	26	2	1	80.7	89.6	78.8
Racine	2,564	2,021	411	93	39	78.8	79.1	78.7
Richland	192	159	26	5	2	82.8	73.3	77.0
Rock	1,990	1,683	221	60	24	84.6	86.6	85.3
Rusk	162	116	40	5	1	71.6	73.9	78.1
St. Croix	758	641	84	11	2	84.6	87.4	84.1
Sauk	697	584	80	27	6	83.8	84.9	82.8
Sawyer	175	136	30	4	3	77.7	66.5	64.8
Shawano	438	360	62	12	3	82.2	81.4	81.4
Sheboygan	1,348	1,206	120	19	3	89.5	92.4	89.3
Taylor	198	163	29	6	-	82.3	84.4	84.6
Trempealeau	328	277	40	7	1	84.5	81.6	83.2
Vernon	347	225	69	47	5	64.8	69.5	69.5
Vilas	171	138	25	4	1	80.7	79.6	73.2
Walworth	1,019	828	157	28	5	81.3	80.5	82.7
Washburn	144	118	25	1	-	81.9	82.4	73.2
Washington	1,415	1,303	97	12	3	92.1	91.9	91.3
Waukesha	4,156	3,926	198	26	6	94.5	93.9	94.0
Waupaca	573	490	63	10	5	85.5	84.6	85.1
Waushara	236	185	39	10	2	78.4	74.0	70.8
Winnebago	1,826	1,592	182	38	9	87.2	86.3	86.3
Wood	922	753	136	27	6	81.7	77.8	78.9

Notes: Included in the totals are 118 births for which prenatal care initiation was not reported. A dash (-) indicates that there were no events in that category.

Table 15. Births by Trimester Prenatal Care Began and Region

	Total	Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
		First	Second	Third	No Care	1997	1996	1995
Total	66,490	56,112	8,147	1,582	531	84.4%	83.9%	83.2%
DHFS Regions								
Southern	11,385	9,861	1,217	221	70	86.6	86.6	85.7
Southeastern	27,293	23,027	3,300	666	291	84.4	83.1	82.5
Northeastern	13,825	11,928	1,524	292	69	86.3	86.6	86.6
Western	8,559	6,903	1,231	276	80	80.7	81.0	79.8
Northern	5,428	4,393	875	127	21	80.9	79.7	78.4
Perinatal Regions								
South Central	13,136	11,333	1,452	259	76	86.3	86.3	85.7
Southeast	26,708	22,618	3,154	642	286	84.7	83.5	82.8
Fox Valley	6,774	5,780	808	150	26	85.3	85.6	86.0
Northeast	5,703	4,942	596	123	40	86.7	86.5	86.6
Western	6,224	5,076	830	195	60	81.6	81.6	79.3
North Central	6,574	5,224	1,120	184	35	79.5	79.5	79.1
Northwest	1,371	1,139	187	29	8	83.1	79.8	78.4

Notes: Included in the totals are 118 births for which prenatal care initiation was not reported. For information and maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 91 and 92).

Table 16. 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+	
Total	66,490	531	1,948	11,629	29,663	22,505	21.2%
Adams	157	-	5	41	79	32	29.3
Ashland	202	1	4	38	82	77	21.3
Barron	463	5	10	109	199	138	26.8
Bayfield	147	1	3	27	77	39	21.1
Brown	3,051	20	54	487	1,150	1,340	18.4
Buffalo	143	1	4	23	58	54	19.6
Burnett	133	1	7	42	46	33	37.6
Calumet	452	-	8	123	239	82	29.0
Chippewa	638	3	14	184	265	166	31.5
Clark	470	10	39	151	167	102	42.6
Columbia	633	3	14	128	295	192	22.9
Crawford	182	2	6	74	64	34	45.1
Dane	5,023	20	81	858	2,648	1,401	19.1
Dodge	926	4	10	103	412	397	12.6
Door	218	3	5	38	97	72	21.1
Douglas	507	2	12	92	266	134	20.9
Dunn	466	-	21	96	198	147	25.1
Eau Claire	1,105	15	45	117	417	496	16.0
Florence	38	-	2	5	15	15	18.4
Fond du Lac	1,118	2	14	194	635	272	18.8
Forest	117	1	7	35	49	25	36.8
Grant	526	6	4	140	206	148	28.5
Green	370	1	2	46	168	153	13.2
Green Lake	216	2	12	47	77	77	28.2
Iowa	259	1	3	39	141	75	16.6
Iron	63	-	6	6	18	32	19.0
Jackson	211	1	6	38	78	88	21.3
Jefferson	914	3	8	113	421	368	13.6
Juneau	271	1	8	86	119	57	35.1
Kenosha	2,027	23	42	261	889	806	16.1
Kewaunee	228	1	2	44	89	92	20.6
La Crosse	1,327	6	27	221	505	564	19.1
Lafayette	159	-	3	35	62	56	23.9
Langlade	229	1	5	50	115	58	24.5
Lincoln	329	1	7	75	141	105	25.2
Manitowoc	902	7	17	114	318	442	15.3
Marathon	1,581	4	59	488	700	329	34.9
Marinette	424	4	10	54	144	212	16.0
Marquette	177	-	8	66	67	35	41.8
Menominee	95	1	10	30	37	16	43.2
Milwaukee	14,338	209	698	2,435	6,390	4,591	23.3
Monroe	511	20	58	69	167	197	28.8

(Continued)

Table 16. 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	347	1	7	61	142	136	19.9
Oneida	347	-	3	41	166	130	12.7
Outagamie	2,176	6	47	662	1,100	359	32.9
Ozaukee	860	3	7	101	503	244	12.9
Pepin	87	4	9	20	32	20	37.9
Pierce	344	2	8	70	144	115	23.3
Polk	415	1	10	85	167	146	23.1
Portage	759	1	10	135	329	284	19.2
Price	150	1	4	41	61	43	30.7
Racine	2,564	39	55	390	1,123	956	18.9
Richland	192	2	9	48	73	60	30.7
Rock	1,990	24	70	337	800	750	21.7
Rusk	162	1	5	46	75	32	32.1
St. Croix	758	2	16	158	328	231	23.2
Sauk	697	6	25	119	299	244	21.5
Sawyer	175	3	13	50	62	45	37.7
Shawano	438	3	17	112	194	112	30.1
Sheboygan	1,348	3	25	151	602	567	13.3
Taylor	198	-	9	38	65	85	23.7
Trempealeau	328	1	8	58	125	134	20.4
Vernon	347	5	72	83	90	96	46.1
Vilas	171	1	5	35	57	72	24.0
Walworth	1,019	5	27	198	474	311	22.6
Washburn	144	-	1	42	66	35	29.9
Washington	1,415	3	14	118	650	630	9.5
Waukesha	4,156	6	34	258	1,872	1,982	7.2
Waupaca	573	5	13	127	283	140	25.3
Waushara	236	2	16	49	90	78	28.4
Winnebago	1,826	9	26	364	937	480	21.9
Wood	922	6	23	210	444	239	25.9

Notes: Included in the totals are 214 births for which number of prenatal care visits was not reported.
 A dash (-) indicates that there were no events in that category.

Table 17. 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+	
Total	66,490	531	1,948	11,629	29,663	22,505	21.2%
DHFS Regions							
Southern	11,385	70	240	2,054	5,366	3,599	20.8
Southeastern	27,293	291	885	3,874	12,322	9,888	18.5
Northeastern	13,825	69	291	2,723	6,201	4,512	22.3
Western	8,559	80	372	1,704	3,393	2,928	25.2
Northern	5,428	21	160	1,274	2,381	1,578	26.8
Perinatal Regions							
South Central	13,136	76	269	2,291	6,197	4,244	20.1
Southeast	26,708	286	875	3,714	12,029	9,776	18.3
Fox Valley	6,774	26	144	1,632	3,428	1,523	26.6
Northeast	5,703	40	122	940	2,171	2,422	19.3
Western	6,224	60	290	1,112	2,373	2,322	23.5
North Central	6,574	35	202	1,643	2,848	1,823	28.6
Northwest	1,371	8	46	297	617	395	25.6

Notes: Included in the totals are 214 births for which number of prenatal care visits was not reported. For information and maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 91 and 92).

Table 18. Births by Birthweight and County of Residence

County	Total Births	<1,500 Grams	1,500-	2,500+ Grams	Total	Percent Low Birthweight	
			2,499 Grams		<2,500 Grams	1997	1996
Total	66,490	794	3,468	62,215	4,262	6.4%	6.3%
Adams	157	-	11	146	11	7.0	7.1
Ashland	202	2	13	187	15	7.4	2.1
Barron	463	1	19	443	20	4.3	4.8
Bayfield	147	1	7	139	8	5.4	7.4
Brown	3,051	21	154	2,876	175	5.7	6.7
Buffalo	143	1	6	136	7	4.9	4.8
Burnett	133	-	6	127	6	4.5	6.1
Calumet	452	5	26	421	31	6.9	5.4
Chippewa	638	8	35	595	43	6.7	6.1
Clark	470	6	17	447	23	4.9	4.3
Columbia	633	7	34	591	41	6.5	6.5
Crawford	182	2	4	176	6	3.3	7.7
Dane	5,023	63	237	4,723	300	6.0	6.1
Dodge	926	10	48	868	58	6.3	4.7
Door	218	1	8	209	9	4.1	4.2
Douglas	507	5	20	482	25	4.9	7.7
Dunn	466	6	17	440	23	4.9	6.7
Eau Claire	1,105	14	55	1,034	69	6.2	5.0
Florence	38	1	3	34	4	10.5	4.7
Fond du Lac	1,118	7	47	1,064	54	4.8	5.0
Forest	117	1	4	112	5	4.3	8.5
Grant	526	4	23	499	27	5.1	4.6
Green	370	2	13	355	15	4.1	7.4
Green Lake	216	4	13	199	17	7.9	5.8
Iowa	259	1	10	248	11	4.2	5.0
Iron	63	-	2	61	2	3.2	5.3
Jackson	211	1	3	207	4	1.9	2.6
Jefferson	914	10	37	867	47	5.1	4.9
Juneau	271	4	17	250	21	7.7	6.1
Kenosha	2,027	26	108	1,893	134	6.6	5.8
Kewaunee	228	2	8	218	10	4.4	6.1
La Crosse	1,327	17	78	1,232	95	7.2	4.7
Lafayette	159	3	1	155	4	2.5	6.1
Langlade	229	5	14	210	19	8.3	4.2
Lincoln	329	1	9	319	10	3.0	3.0
Manitowoc	902	16	43	842	59	6.5	6.9
Marathon	1,581	12	79	1,490	91	5.8	5.6
Marinette	424	5	18	401	23	5.4	5.9
Marquette	177	2	11	164	13	7.3	2.0
Menominee	95	1	2	92	3	3.2	1.1
Milwaukee	14,338	255	1,011	13,071	1,266	8.8	8.7
Monroe	511	6	30	475	36	7.0	4.7

(Continued)

Table 18. Births by Birthweight and County of Residence

County	Total Births	<1,500 Grams	1,500-2,499 Grams		2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight	
			Grams	Grams			1997	1996
Oconto	347	3	15	329	18	5.2	3.2	
Oneida	347	3	19	325	22	6.3	6.1	
Outagamie	2,176	29	80	2,066	109	5.0	5.8	
Ozaukee	860	21	30	809	51	5.9	6.2	
Pepin	87	-	6	81	6	6.9	2.7	
Pierce	344	1	17	326	18	5.2	5.6	
Polk	415	4	17	394	21	5.1	7.1	
Portage	759	4	32	723	36	4.7	3.6	
Price	150	3	9	138	12	8.0	5.8	
Racine	2,564	34	140	2,388	174	6.8	5.6	
Richland	192	1	7	184	8	4.2	7.0	
Rock	1,990	22	122	1,846	144	7.2	6.9	
Rusk	162	-	4	158	4	2.5	6.8	
St. Croix	758	4	37	717	41	5.4	5.3	
Sauk	697	4	35	658	39	5.6	5.6	
Sawyer	175	1	7	167	8	4.6	4.8	
Shawano	438	1	21	416	22	5.0	5.5	
Sheboygan	1,348	15	56	1,277	71	5.3	5.4	
Taylor	198	1	5	192	6	3.0	4.0	
Trempealeau	328	2	11	315	13	4.0	3.7	
Vernon	347	1	20	326	21	6.1	4.4	
Vilas	171	-	11	160	11	6.4	3.6	
Walworth	1,019	7	53	959	60	5.9	5.5	
Washburn	144	2	7	135	9	6.3	6.1	
Washington	1,415	8	48	1,359	56	4.0	4.3	
Waukesha	4,156	41	166	3,949	207	5.0	5.1	
Waupaca	573	8	28	537	36	6.3	6.2	
Waushara	236	3	12	220	15	6.4	8.2	
Winnebago	1,826	22	103	1,701	125	6.8	7.1	
Wood	922	10	49	862	59	6.4	5.3	

Notes: Included in the totals are 13 births for which birthweight was not reported. Infants weighing less than 2,500 grams (5.5 pounds) at birth are considered low birthweight. Infants weighing less than 1,500 grams (3.3 pounds) at birth are considered very low birthweight. A dash (-) indicates that there were no events in that category.

Table 19. Births by Birthweight and Region

	Total Births	<1,500 Grams	1,500-2,499 Grams	2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight	
						1997	1996
Total	66,490	794	3,468	62,215	4,262	6.4%	6.3%
DHFS Regions							
Southern	11,385	123	562	10,699	685	6.0	6.1
Southeastern	27,293	402	1,593	25,295	1,995	7.3	7.1
Northeastern	13,825	145	645	13,032	790	5.7	6.0
Western	8,559	79	405	8,070	484	5.7	5.3
Northern	5,428	45	263	5,119	308	5.7	4.9
Perinatal Regions							
South Central	13,136	138	648	12,349	786	6.0	6.0
Southeast	26,708	400	1,559	24,746	1,959	7.3	7.1
Fox Valley	6,774	80	320	6,372	400	5.9	6.0
Northeast	5,703	50	269	5,383	319	5.6	6.1
Western	6,224	59	301	5,859	360	5.8	5.1
North Central	6,574	56	309	6,208	365	5.6	5.0
Northwest	1,371	11	62	1,298	73	5.3	6.0

Notes: Included in the totals are 13 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 3.3 pounds at birth are considered very low birthweight. For information and maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes, pages 91 and 92.

Table 20. Fetal, Neonatal, Postneonatal and Infant Deaths by County of Residence

County	Fetal Deaths (Gestation <20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Total	361	294	137	431
Adams	1	1	1	2
Ashland	3	1	-	1
Barron	1	-	2	2
Bayfield	1	1	-	1
Brown	9	16	4	20
Buffalo	2	-	-	-
Burnett	1	1	-	1
Calumet	3	2	1	3
Chippewa	2	1	-	1
Clark	2	1	1	2
Columbia	-	4	-	4
Crawford	2	2	1	3
Dane	15	20	4	24
Dodge	4	4	1	5
Door	-	-	-	-
Douglas	2	1	1	2
Dunn	2	-	1	1
Eau Claire	5	5	2	7
Florence	-	-	-	-
Fond du Lac	11	5	2	7
Forest	-	-	-	-
Grant	1	2	-	2
Green	3	1	1	2
Green Lake	2	1	-	1
Iowa	4	-	1	1
Iron	-	-	-	-
Jackson	1	1	1	2
Jefferson	3	4	1	5
Juneau	3	-	-	-
Kenosha	17	7	4	11
Kewaunee	-	-	2	2
La Crosse	7	9	5	14
Lafayette	-	-	1	1
Langlade	-	2	-	2
Lincoln	2	-	1	1
Manitowoc	5	10	2	12

(Continued)

Table 20. Fetal, Neonatal, Postneonatal and Infant Deaths by County of Residence

County	Fetal Deaths (Gestation <20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Marathon	10	2	2	4
Marinette	-	2	2	4
Marquette	-	-	-	-
Menominee	-	-	1	1
Milwaukee	92	88	44	132
Monroe	2	4	4	8
Oconto	3	2	-	2
Oneida	1	1	-	1
Outagamie	18	13	2	15
Ozaukee	3	3	1	4
Pepin	-	-	1	1
Pierce	2	1	-	1
Polk	2	1	1	2
Portage	2	4	-	4
Price	1	-	1	1
Racine	18	18	9	27
Richland	2	-	-	-
Rock	6	8	6	14
Rusk	2	1	-	1
St. Croix	3	-	2	2
Sauk	4	-	2	2
Sawyer	1	-	-	-
Shawano	4	-	1	1
Sheboygan	4	6	2	8
Taylor	-	1	1	2
Trempealeau	2	1	-	1
Vernon	1	-	-	-
Vilas	-	-	-	-
Walworth	5	1	1	2
Washburn	-	-	-	-
Washington	10	4	2	6
Waukesha	24	16	6	22
Waupaca	8	3	1	4
Waushara	2	4	-	4
Winnebago	7	6	4	10
Wood	8	2	-	2
Unknown	-	-	1	1

Source: Fetal death and matched birth-death files, Wisconsin Bureau of Health Information, Vital Records Section, Registration and Statistics Unit.

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

Table 21. Fetal, Neonatal, Postneonatal and Infant Deaths by Selected Cities

City of Occurrence	Fetal Deaths (Gestation <20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Appleton	11	6	-	6
Beloit	2	3	2	5
Eau Claire	3	2	2	4
Fond du Lac	7	-	1	1
Green Bay	4	11	4	15
Greenfield	5	1	2	3
Janesville	3	3	1	4
Kenosha	16	5	4	9
La Crosse	5	4	2	6
Madison	7	9	3	12
Manitowoc	3	6	1	7
Marshfield	1	-	-	-
Mequon/Thiensville	1	-	-	-
Milwaukee	74	71	39	110
Neenah/Menasha	2	3	2	5
Oshkosh	2	2	1	3
Racine	14	9	6	15
Sheboygan	3	4	2	6
Stevens Point	2	1	-	1
Superior	2	1	-	1
Watertown	3	-	1	1
Waukesha	4	3	3	6
Wausau	5	-	1	1
Wauwatosa	1	5	-	5
West Allis	3	-	-	-
West Bend	1	-	1	1

Source: Fetal death and matched birth-death files, Wisconsin Bureau of Health Information, Vital Records Section, Registration and Statistics Unit.

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

Table 22. Number of Births by County of Residence, 1980-1997

County	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total	74,763	74,309	74,327	72,499	73,050	73,647	72,229	70,907	70,711
Adams	179	177	175	164	182	170	170	164	173
Ashland	279	302	282	295	256	248	274	220	256
Barron	654	693	745	679	672	628	578	567	571
Bayfield	219	212	209	230	200	193	187	174	174
Brown	2,802	2,824	2,833	2,856	2,821	2,917	2,829	2,910	2,847
Buffalo	236	197	239	229	184	227	213	220	165
Burnett	167	203	179	194	162	160	157	152	142
Calumet	546	519	556	551	550	514	567	546	536
Chippewa	903	924	854	920	851	867	822	709	715
Clark	641	581	587	576	533	514	468	488	518
Columbia	667	668	682	655	624	650	657	608	579
Crawford	293	284	296	276	272	239	251	250	241
Dane	4,685	4,638	4,684	4,657	4,902	4,984	5,067	5,124	5,070
Dodge	1,186	1,173	1,187	1,108	1,115	1,146	1,115	1,055	1,020
Door	412	397	406	379	345	400	368	376	317
Douglas	702	713	676	645	580	590	549	547	532
Dunn	537	536	551	503	506	501	467	398	436
Eau Claire	1,117	1,265	1,255	1,185	1,203	1,201	1,111	1,178	1,237
Florence	55	64	66	54	50	63	51	45	57
Fond du Lac	1,512	1,406	1,409	1,333	1,382	1,368	1,316	1,247	1,248
Forest	140	161	147	156	144	156	136	152	136
Grant	867	814	812	805	785	743	753	713	626
Green	483	471	514	507	439	471	469	404	404
Green Lake	262	325	287	310	279	266	240	230	237
Iowa	345	342	340	366	335	319	346	305	306
Iron	84	72	86	64	63	76	63	68	66
Jackson	276	271	291	257	236	240	228	230	249
Jefferson	973	1,029	952	953	987	1,004	893	901	849
Juneau	347	355	331	343	327	339	301	323	279
Kenosha	1,826	1,815	1,789	1,839	1,796	1,910	1,787	1,931	1,909
Kewaunee	323	347	311	303	336	303	274	301	227
La Crosse	1,350	1,396	1,372	1,470	1,443	1,394	1,408	1,365	1,362
Lafayette	289	339	300	321	314	271	265	229	213
Langlade	287	313	271	334	276	259	299	249	280
Lincoln	406	460	383	384	405	363	323	349	315
Manitowoc	1,338	1,262	1,345	1,208	1,263	1,228	1,127	1,136	1,040

(Continued)

Table 22. Number of Births by County of Residence, 1980-1997

County	1980	1981	1982	1983	1984	1985	1986	1987	1988
Marathon	1,930	1,806	1,804	1,728	1,730	1,812	1,650	1,644	1,620
Marinette	662	671	578	559	551	592	562	535	494
Marquette	167	163	183	148	184	158	175	169	141
Menominee	111	96	108	116	112	132	151	138	113
Milwaukee	15,842	15,806	16,063	15,631	15,887	16,296	16,254	16,035	16,358
Monroe	607	582	638	564	581	600	555	552	569
Oconto	469	435	461	415	458	451	453	413	433
Oneida	423	467	429	425	455	437	423	373	387
Outagamie	2,340	2,229	2,172	2,197	2,171	2,320	2,180	2,227	2,268
Ozaukee	992	963	932	935	943	960	954	955	947
Pepin	128	127	112	131	128	94	122	97	98
Pierce	507	527	532	484	494	492	498	434	452
Polk	506	561	560	520	596	506	488	506	466
Portage	928	891	896	851	956	876	903	818	850
Price	242	232	243	238	238	225	215	182	209
Racine	2,980	2,855	2,717	2,691	2,794	2,641	2,653	2,661	2,640
Richland	275	302	281	278	284	267	228	246	219
Rock	2,256	2,115	2,196	2,088	2,116	2,189	2,183	2,106	2,079
Rusk	222	251	259	256	258	216	234	203	202
St. Croix	835	773	762	788	815	741	805	824	740
Sauk	654	696	691	661	697	690	674	671	663
Sawyer	219	239	228	215	224	203	224	228	196
Shawano	528	543	550	536	530	488	499	507	531
Sheboygan	1,588	1,595	1,588	1,515	1,517	1,507	1,492	1,379	1,397
Taylor	379	339	370	345	340	354	294	280	309
Trempealeau	373	416	400	387	392	370	352	324	316
Vernon	408	440	408	376	409	409	406	328	344
Vilas	228	218	226	222	236	240	214	228	190
Walworth	1,026	971	1,053	915	896	1,009	951	914	995
Washburn	226	202	208	210	227	198	201	171	158
Washington	1,442	1,422	1,387	1,359	1,359	1,383	1,335	1,305	1,315
Waukesha	3,841	3,824	3,808	3,610	3,661	3,727	3,799	3,779	3,940
Waupaca	697	690	677	660	625	656	637	597	603
Waushara	243	236	267	294	241	247	266	259	231
Winnebago	1,901	1,867	1,945	1,887	1,961	2,028	1,964	1,894	1,901
Wood	1,199	1,211	1,192	1,155	1,166	1,211	1,106	1,061	1,005
Unknown	1	-	1	-	-	-	-	-	-

(Continued)

Table 22. Number of Births by County of Residence, 1980-1997

County	1989	1990	1991	1992	1993	1994	1995	1996	1997
Total	71,890	72,636	72,039	70,662	69,760	68,265	67,493	67,076	66,490
Adams	144	175	162	189	163	162	167	184	157
Ashland	249	202	197	207	225	199	239	234	202
Barron	557	579	553	556	496	517	550	503	463
Bayfield	153	155	150	183	157	141	135	149	147
Brown	2,968	3,169	3,141	2,947	3,035	3,051	2,962	3,050	3,051
Buffalo	175	176	182	156	169	156	165	146	143
Burnett	164	143	149	154	142	135	171	147	133
Calumet	538	491	478	524	485	495	488	466	452
Chippewa	738	704	720	668	675	643	633	590	638
Clark	434	464	429	405	434	452	448	467	470
Columbia	585	610	605	584	640	610	607	616	633
Crawford	203	230	206	203	184	197	215	183	182
Dane	5,136	5,306	5,224	5,209	5,181	4,848	5,023	4,976	5,023
Dodge	1,029	985	995	938	1,013	936	947	976	926
Door	320	325	322	298	305	270	254	260	218
Douglas	517	540	599	532	525	527	493	532	507
Dunn	436	417	399	451	428	439	444	434	466
Eau Claire	1,238	1,208	1,188	1,134	1,163	1,133	1,118	1,079	1,105
Florence	26	-	62	66	45	48	36	48	38
Fond du Lac	1,162	1,270	1,224	1,215	1,107	1,128	1,119	1,138	1,118
Forest	114	132	134	136	138	125	137	92	117
Grant	635	661	606	595	555	544	561	497	526
Green	429	418	420	419	380	368	390	408	370
Green Lake	214	241	217	198	187	204	192	208	216
Iowa	302	318	289	292	279	254	296	260	259
Iron	55	68	65	55	64	66	63	57	63
Jackson	229	217	219	215	217	204	189	193	211
Jefferson	927	873	872	824	898	877	852	891	914
Juneau	278	277	307	305	277	296	308	264	271
Kenosha	2,077	2,043	2,234	2,167	2,039	2,026	2,040	2,008	2,027
Kewaunee	259	237	216	229	226	216	218	214	228
La Crosse	1,388	1,416	1,406	1,364	1,346	1,343	1,267	1,236	1,327
Lafayette	220	227	240	214	198	180	176	180	159
Langlade	242	232	244	263	266	219	228	214	229
Lincoln	372	343	332	358	343	356	320	338	329
Manitowoc	1,035	1,072	1,060	1,006	1,000	955	898	941	902

(Continued)

Table 22. Number of Births by County of Residence, 1980-1997

County	1989	1990	1991	1992	1993	1994	1995	1996	1997
Marathon	1,685	1,685	1,651	1,664	1,631	1,801	1,585	1,621	1,581
Marinette	471	431	508	428	492	467	454	424	424
Marquette	149	148	137	138	138	147	121	147	177
Menominee	114	128	128	115	118	76	92	91	95
Milwaukee	17,009	17,013	16,686	16,547	16,076	15,538	15,067	14,791	14,338
Monroe	622	591	569	564	537	514	529	557	511
Oconto	410	398	404	370	392	360	388	374	347
Oneida	365	371	355	387	361	382	352	326	347
Outagamie	2,258	2,273	2,273	2,212	2,134	2,166	2,056	2,101	2,176
Ozaukee	973	945	964	950	956	929	934	961	860
Pepin	87	90	100	83	80	76	83	75	87
Pierce	436	477	423	398	405	435	403	373	344
Polk	441	529	461	453	469	463	470	409	415
Portage	804	913	804	851	815	814	788	796	759
Price	190	185	206	178	181	157	184	154	150
Racine	2,782	2,697	2,771	2,617	2,690	2,561	2,512	2,592	2,564
Richland	234	219	213	201	200	208	196	187	192
Rock	2,120	2,166	2,155	2,121	2,149	2,021	1,963	1,969	1,990
Rusk	229	213	195	192	222	195	192	161	162
St. Croix	817	840	797	819	713	602	725	767	758
Sauk	669	670	648	620	678	662	670	676	697
Sawyer	187	176	178	200	176	199	196	188	175
Shawano	501	525	497	463	449	454	456	458	438
Sheboygan	1,380	1,401	1,369	1,343	1,351	1,389	1,336	1,333	1,348
Taylor	292	289	258	248	247	232	221	225	198
Trempeleau	327	369	356	367	333	348	315	326	328
Vernon	356	332	352	318	319	334	351	338	347
Vilas	195	201	208	205	201	152	205	167	171
Walworth	891	996	999	935	911	978	952	1,019	1,019
Washburn	157	159	141	167	162	155	168	148	144
Washington	1,335	1,349	1,421	1,396	1,405	1,393	1,440	1,456	1,415
Waukesha	4,038	4,046	4,058	4,026	3,963	4,122	4,120	4,138	4,156
Waupaca	604	667	640	661	630	599	619	617	573
Waushara	234	245	240	237	225	231	240	219	236
Winnebago	1,909	1,936	1,983	1,883	1,901	1,864	1,838	1,756	1,826
Wood	1,070	1,039	1,045	1,046	1,065	921	923	957	922
Unknown	1	-	-	-	-	-	-	-	-

Notes: In Wisconsin counties close to the Michigan border, births for 1990 are underreported to an unknown extent, since Michigan did not report Wisconsin resident births for that year. In particular, all 1990 births among Florence County residents occurred in Michigan. Numbers of births for 1996 reported here are slightly different from those published in the 1996 report because other states filed 74 duplicate records for Wisconsin residents. A dash (-) indicates there were no events in that category.

Table 23. Number and Rate of Births by Age of Mother, 1980-1997

Year		Crude Rate	Number and Fertility Rate by Age					
			Total	<15	15-17	18-19	<20	20-24
1980	Number		74,763	93	2,741	6,379	9,213	25,321
	Rate	15.9	69.1		20.5	65.8	39.9	112.2
1981	Number		74,309	94	2,655	6,029	8,778	24,777
	Rate	15.7	68.1		21.0	64.6	39.9	108.2
1982	Number		74,327	91	2,452	5,659	8,202	24,477
	Rate	15.6	67.4		20.8	64.1	39.8	107.4
1983	Number		72,499	98	2,397	5,258	7,753	23,213
	Rate	15.3	65.3		21.0	60.4	38.6	103.2
1984	Number		73,050	98	2,305	4,973	7,376	22,544
	Rate	15.3	65.0		20.8	59.9	38.0	102.5
1985	Number		73,647	123	2,389	4,976	7,488	22,021
	Rate	15.4	64.2		21.7	62.4	39.4	101.9
1986	Number		72,229	121	2,340	4,679	7,140	20,342
	Rate	15.1	63.9		20.9	60.6	37.8	103.3
1987	Number		70,907	114	2,369	4,425	6,908	19,015
	Rate	14.7	63.7		21.6	58.0	37.1	103.9
1988	Number		70,711	133	2,322	4,486	6,941	18,018
	Rate	14.6	62.6		22.8	59.5	39.2	94.2
1989	Number		71,890	141	2,416	4,707	7,264	17,800
	Rate	14.8	63.8		25.4	62.5	42.6	96.8
1990	Number		72,636	148	2,337	4,925	7,410	17,477
	Rate	14.8	64.5		24.3	65.7	43.3	96.2
1991	Number		72,039	147	2,440	4,828	7,415	17,407
	Rate	14.6	63.4		24.9	71.1	44.7	94.9
1992	Number		70,662	159	2,427	4,622	7,208	16,597
	Rate	14.2	62.2		23.9	70.1	43.0	91.7
1993	Number		69,760	175	2,481	4,576	7,232	16,056
	Rate	13.8	61.4		23.8	67.7	42.0	90.9
1994	Number		68,267	161	2,497	4,379	7,037	15,331
	Rate	13.4	59.9		23.0	63.8	39.7	89.5
1995	Number		67,493	182	2,549	4,379	7,110	14,874
	Rate	13.2	58.9		22.5	62.7	38.8	88.7
1996	Number		67,076	143	2,507	4,453	7,103	14,331
	Rate	13.0	58.2		21.4	61.9	37.5	87.4
1997	Number		66,490	163	2,541	4,384	7,088	13,972
	Rate	12.7	57.6		21.1	58.5	36.3	84.8

(Continued)

Table 23. Number and Rate of Births by Age of Mother, 1980-1997

Year		Number and Fertility Rate by Age						Unknown
		25-29	30-34	35-39	40+	40-44	45+	
1980	Number	25,461	11,682	2,604	481	459	22	1
	Rate	127.5	67.3	19.0	4.1	4.0		
1981	Number	25,471	12,104	2,699	480	442	38	
	Rate	125.5	66.1	19.4	4.1	3.8		
1982	Number	25,357	12,760	3,065	465	440	25	1
	Rate	124.9	66.1	20.4	3.8	3.6		
1983	Number	24,787	12,974	3,285	485	462	23	2
	Rate	119.7	66.5	22.5	3.6	3.4		
1984	Number	25,446	13,715	3,462	504	471	33	3
	Rate	120.6	67.2	20.6	4.0	3.7		
1985	Number	25,693	14,170	3,769	505	473	32	1
	Rate	117.3	67.2	22.3	3.6	3.3		
1986	Number	25,718	14,374	4,121	534	499	35	
	Rate	120.2	70.5	23.0	3.6	3.4		
1987	Number	25,393	14,709	4,353	528	498	30	1
	Rate	119.8	72.8	24.1	3.5	3.3		
1988	Number	25,267	15,338	4,474	669	630	39	4
	Rate	116.6	73.9	24.1	4.4	4.2		
1989	Number	25,265	15,922	4,909	721	683	38	9
	Rate	118.8	75.2	25.8	4.5	4.3		
1990	Number	24,956	16,626	5,393	768	730	38	6
	Rate	123.7	78.7	27.8	4.6	4.4		
1991	Number	23,958	16,960	5,481	817	773	44	1
	Rate	123.1	79.5	27.5	4.5	4.3		
1992	Number	22,918	17,269	5,756	905	859	46	9
	Rate	121.5	81.1	28.3	5.0	4.7		
1993	Number	22,154	17,347	6,024	942	898	44	5
	Rate	121.0	82.4	29.1	5.1	4.8		
1994	Number	20,961	17,642	6,292	997	955	42	7
	Rate	117.9	84.6	29.6	5.2	4.9		
1995	Number	20,374	17,442	6,612	1,074	1,026	48	7
	Rate	115.4	85.4	30.7	5.4	5.2		
1996	Number	20,279	17,254	6,931	1,175	1,132	43	3
	Rate	115.0	86.6	31.6	5.7	5.5		
1997	Number	19,994	17,198	7,008	1,228	1,172	56	2
	Rate	115.5	89.0	32.0	5.9	5.9		

Notes: Rates shown for ages <20 include births to mothers less than 15 years old, with population ages 15-19.
Rates shown for ages 40+ include births to mothers ages 45 or older, with population ages 40-44.

Table 24. Total Births and Births to Teenagers and Unmarried Mothers, 1980-1997

Year	Total Births		Ages Under 18		Ages 18-19		Mother Unmarried	
	Number	Rate*	Number	Percent**	Number	Percent**	Number	Percent**
1980	74,763	15.9	2,834	3.8	6,379	8.5	10,352	13.8
1981	74,309	15.7	2,749	3.7	6,029	8.1	10,622	14.3
1982	74,327	15.6	2,543	3.4	5,659	7.6	11,187	15.1
1983	72,499	15.3	2,495	3.4	5,258	7.3	11,501	15.9
1984	73,050	15.3	2,403	3.3	4,973	6.8	12,101	16.6
1985	73,647	15.4	2,512	3.4	4,976	6.8	13,346	18.1
1986	72,229	15.1	2,461	3.4	4,679	6.5	14,166	19.6
1987	70,907	14.7	2,483	3.5	4,425	6.2	14,686	20.7
1988	70,711	14.6	2,455	3.5	4,486	6.3	15,511	21.9
1989	71,890	14.8	2,557	3.6	4,707	6.5	16,790	23.4
1990	72,636	14.8	2,485	3.4	4,925	6.8	17,615	24.3
1991	72,039	14.6	2,587	3.6	4,828	6.7	18,226	25.3
1992	70,662	14.2	2,586	3.7	4,622	6.5	18,443	26.1
1993	69,760	13.8	2,656	3.8	4,576	6.6	18,878	27.1
1994	68,265	13.4	2,658	3.9	4,379	6.4	18,523	27.1
1995	67,493	13.2	2,731	4.0	4,379	6.5	18,420	27.3
1996	67,076	13.0	2,650	4.0	4,453	6.6	18,526	27.6
1997	66,490	12.7	2,704	4.1	4,384	6.6	18,884	28.4

* Crude birth rate or number of live births per 1,000 estimated mid-year total population.

** Percentages are based on total live births.

Table 25. Births by Selected Birth Indicators, 1980-1997

Year	Birth Order 4 and Above		Prenatal Care During First Trimester		Birthweight Less Than 2,500 Grams		Congenital Anomalies	
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Rate**
1980	7,035	9.4	61,796	82.7	4,037	5.4	795	10.6
1981	7,054	9.5	61,582	82.9	3,925	5.3	926	12.5
1982	6,677	9.0	61,420	82.6	3,734	5.0	877	11.8
1983	6,904	9.5	60,240	83.1	3,943	5.4	983	13.6
1984	6,973	9.5	61,225	83.8	3,756	5.1	1,103	15.1
1985	7,206	9.8	60,859	82.6	3,889	5.3	1,006	13.7
1986	7,587	10.5	59,652	82.6	3,876	5.4	952	13.2
1987	7,387	10.4	58,882	83.0	3,849	5.4	1,144	16.1
1988	7,849	11.1	58,551	82.8	3,857	5.5	1,197	16.9
1989	8,022	11.2	58,564	81.5	4,145	5.8	1,742	24.2
1990	8,272	11.4	59,275	81.6	4,284	5.9	1,523	21.0
1991	8,323	11.6	58,705	81.5	4,435	6.2	1,355	18.8
1992	8,396	11.9	57,804	81.8	4,204	5.9	1,260	17.8
1993	8,274	11.9	57,251	82.1	4,299	6.2	1,098	15.7
1994	8,149	11.9	56,716	83.1	4,358	6.4	847	12.4
1995	7,935	11.8	56,155	83.2	4,066	6.0	899	13.3
1996	7,689	11.5	56,273	83.9	4,217	6.3	912	13.6
1997	7,622	11.5	56,112	84.4	4,262	6.4	1,038	15.6

* Percentages are based on total live births.

** Rates are per 1,000 live births.

Note: See Technical Notes (page 97) regarding comparability of data on congenital anomalies since 1989.

Table 26. Infant, Neonatal, Fetal and Perinatal Deaths and Mortality Rates, 1980-1997

Year	Infant Deaths			Neonatal Deaths			Fetal Deaths			Perinatal Deaths		
	Wisconsin Number	U.S. Rate*	U.S. Rate*	Wisconsin Number	U.S. Rate*	U.S. Rate*	Wisconsin Number	U.S. Rate**	U.S. Rate**	Wisconsin Number	U.S. Rate**	U.S. Rate**
1980	769	10.3	12.6	500	6.7	8.5	532	7.1	9.1	1,032	13.7	17.4
1981	769	10.3	11.9	514	6.9	8.0	552	7.4	8.9	1,066	14.2	16.9
1982	700	9.4	11.5	460	6.2	7.7	524	7.0	8.8	984	13.1	16.4
1983	699	9.6	11.2	459	6.3	7.3	476	6.5	8.4	935	12.8	15.6
1984	724	9.9	10.8	458	6.3	7.0	517	7.0	8.1	975	13.2	15.1
1985	674	9.2	10.6	414	5.6	7.0	481	6.5	7.8	895	12.1	14.7
1986	671	9.3	10.4	414	5.7	6.7	471	6.5	7.7	885	12.2	14.3
1987	611	8.6	10.1	361	5.1	6.5	445	6.2	7.6	806	11.3	14.1
1988	598	8.5	10.0	358	5.1	6.3	430	6.0	7.5	788	11.1	13.7
1989	662	9.2	9.8	401	5.6	6.2	480	6.6	7.5	881	12.2	13.7
1990	611	8.4	9.2	358	4.9	5.8	444	6.1	7.5	802	11.0	13.3
1991	608	8.4	8.9	370	5.1	5.6	427	5.9	7.3	797	11.0	12.8
1992	514	7.3	8.6	310	4.4	5.4	457	6.4	7.4	767	10.8	12.7
1993	553	7.9	8.4	331	4.7	5.3	401	5.7	7.1	732	10.4	12.4
1994	541	7.9	8.0	327	4.8	5.1	438	6.4	7.0	765	11.1	12.1
1995	493	7.3	7.6	311	4.6	4.9	403	5.9	7.0	714	10.5	11.8
1996	492	7.3	7.3	314	4.7	4.8	416	6.2	6.9	730	10.9	11.6
1997	431	6.5	7.1	294	4.4	4.7	361	5.4	N/A	655	9.8	N/A

* Rates are per 1,000 live births.

** Rates are per 1,000 live births and fetal deaths.

N/A Not Available.

Notes: U.S. rates of perinatal death for the years 1992-1996 are from the National Center for Health Statistics (unpublished data). U.S. rates for 1997 are preliminary. See Technical Notes (page 98) for definition of perinatal deaths.

Table A1. Number of Births by Age of Mother and Selected Characteristics

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 +
Total	66,490	163	2,541	4,384	13,972	19,994	17,198	7,008	1,172	56
Education										
Elem. or Less	2,087	141	216	89	474	497	353	212	87	18
Some H.S.	8,575	21	2,176	1,823	2,551	1,150	603	212	37	2
H.S. Grad	21,939	1	147	2,201	6,536	6,283	4,483	1,959	321	7
Some College	16,252	-	1	261	3,558	5,962	4,507	1,701	249	12
College Grad	10,869	-	-	-	639	3,907	4,370	1,699	246	8
Post-Grad	6,686	-	-	1	198	2,174	2,868	1,212	226	7
Unknown	82	-	1	9	16	21	14	13	6	2
Marital Status										
Married	47,606	-	211	884	7,124	16,514	15,570	6,235	1,016	51
Unmarried	18,884	163	2,330	3,500	6,848	3,480	1,628	773	156	5
Trimester Prenatal Care Began										
First	56,112	74	1,566	3,167	10,970	17,613	15,540	6,172	969	40
Second	8,147	54	752	958	2,390	1,861	1,348	633	138	12
Third	1,582	25	170	203	444	358	196	143	40	3
None	531	10	51	46	143	126	84	48	22	1
Unknown	118	-	2	10	25	36	30	12	3	-
Number of Prenatal Care Visits										
No Visits	531	10	51	46	143	126	84	48	22	1
1-4	1,948	13	163	241	588	427	284	178	52	2
5-9	11,629	62	760	1,091	2,875	3,036	2,494	1,082	212	15
10-12	29,663	48	1,042	1,797	5,962	9,035	7,991	3,263	500	25
13+	22,505	29	515	1,191	4,361	7,308	6,289	2,415	384	13
Unknown	214	1	10	18	43	62	56	22	2	-
Smoked During Pregnancy										
No	54,536	138	1,907	3,039	10,303	16,858	15,153	6,063	1,023	52
Yes	11,890	25	631	1,341	3,660	3,115	2,030	939	144	3
Unknown	64	0	3	4	9	21	15	6	5	1
Live Birth Order										
1	26,320	158	2,251	3,287	6,488	7,926	4,591	1,396	215	7
2	21,654	5	262	869	4,701	6,940	6,400	2,184	287	5
3	10,891	-	26	197	1,847	3,200	3,759	1,654	201	7
4	4,249	-	2	26	634	1,118	1,414	899	148	8
5+	3,373	-	-	5	302	810	1,033	873	321	29
Unknown	3	-	-	-	-	-	1	2	-	-
Plurality										
Single Birth	64,670	161	2,514	4,320	13,662	19,464	16,611	6,753	1,131	52
Multiple Birth	1,820	2	27	64	310	530	587	255	41	4
Attendant at Birth										
Physician, M.D.	60,854	130	2,223	3,913	12,609	18,428	15,964	6,496	1,038	51
Physician, D.O.	1,891	3	70	112	401	613	478	176	37	1
Cert. Nurse Midwife	2,788	27	228	334	774	691	515	180	39	0
Other Midwife	494	0	2	7	83	137	131	95	37	2
Other	449	3	17	15	102	123	106	61	20	2
Unknown	14	0	1	3	3	2	4	0	1	0

Notes: Included in the totals are 2 births for which age of mother was not reported. A dash (-) indicates that there were no events in that category.

Table A2. Percent of Births by Age of Mother and Selected Characteristics

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 +
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Education										
Elem. or Less	3.1	86.5	8.5	2.0	3.4	2.5	2.1	3.0	7.4	32.1
Some H.S.	12.9	12.9	85.6	41.6	18.3	5.8	3.5	3.0	3.2	3.6
H.S. Grad	33.0	0.6	5.8	50.2	46.8	31.4	26.1	28.0	27.4	12.5
Some College	24.4	-	0.0	6.0	25.5	29.8	26.2	24.3	21.2	21.4
College Grad	16.3	-	-	-	4.6	19.5	25.4	24.2	21.0	14.3
Post-Grad	10.1	-	-	0.0	1.4	10.9	16.7	17.3	19.3	12.5
Unknown	0.1	-	0.0	0.2	0.1	0.1	0.1	0.2	0.5	3.6
Marital Status										
Married	71.6	-	8.3	20.2	51.0	82.6	90.5	89.0	86.7	91.1
Unmarried	28.4	100.0	91.7	79.8	49.0	17.4	9.5	11.0	13.3	8.9
Trimester Prenatal Care Began										
First	84.4	45.4	61.6	72.2	78.5	88.1	90.4	88.1	82.7	71.4
Second	12.3	33.1	29.6	21.9	17.1	9.3	7.8	9.0	11.8	21.4
Third	2.4	15.3	6.7	4.6	3.2	1.8	1.1	2.0	3.4	5.4
None	0.8	6.1	2.0	1.0	1.0	0.6	0.5	0.7	1.9	1.8
Unknown	0.2	-	0.1	0.2	0.2	0.2	0.2	0.2	0.3	-
Number of Prenatal Care Visits										
No Visits	0.8	6.1	2.0	1.0	1.0	0.6	0.5	0.7	1.9	1.8
1-4	2.9	8.0	6.4	5.5	4.2	2.1	1.7	2.5	4.4	3.6
5-9	17.5	38.0	29.9	24.9	20.6	15.2	14.5	15.4	18.1	26.8
10-12	44.6	29.4	41.0	41.0	42.7	45.2	46.5	46.6	42.7	44.6
13+	33.8	17.8	20.3	27.2	31.2	36.6	36.6	34.5	32.8	23.2
Unknown	0.3	0.6	0.4	0.4	0.3	0.3	0.3	0.3	0.2	-
Smoked During Pregnancy										
No	82.0	84.7	75.0	69.3	73.7	84.3	88.1	86.5	87.3	92.9
Yes	17.9	15.3	24.8	30.6	26.2	15.6	11.8	13.4	12.3	5.4
Unknown	0.1	-	0.1	0.1	0.1	0.1	0.1	0.1	0.4	1.8
Live Birth Order										
1	39.6	96.9	88.6	75.0	46.4	39.6	26.7	19.9	18.3	12.5
2	32.6	3.1	10.3	19.8	33.6	34.7	37.2	31.2	24.5	8.9
3	16.4	-	1.0	4.5	13.2	16.0	21.9	23.6	17.2	12.5
4	6.4	-	0.1	0.6	4.5	5.6	8.2	12.8	12.6	14.3
5+	5.1	-	-	0.1	2.2	4.1	6.0	12.5	27.4	51.8
Unknown	0.0	-	-	-	-	-	0.0	0.0	-	-
Plurality										
Single Birth	97.3	98.8	98.9	98.5	97.8	97.3	96.6	96.4	96.5	92.9
Multiple Birth	2.7	1.2	1.1	1.5	2.2	2.7	3.4	3.6	3.5	7.1
Attendant at Birth										
Physician, M.D.	91.5	79.8	87.5	89.3	90.2	92.2	92.8	92.7	88.6	91.1
Physician, D.O.	2.8	1.8	2.8	2.6	2.9	3.1	2.8	2.5	3.2	1.8
Cert. Nurse Midwife	4.2	16.6	9.0	7.6	5.5	3.5	3.0	2.6	3.3	-
Other Midwife	0.7	-	0.1	0.2	0.6	0.7	0.8	1.4	3.2	3.6
Other	0.7	1.8	0.7	0.3	0.7	0.6	0.6	0.9	1.7	3.6
Unknown	0.0	-	0.0	0.1	0.0	0.0	0.0	-	0.1	-

Notes: Included in the totals are 2 births for which age of mother was not reported. A dash (-) indicates that there were no events in that category.

Table B1. Number of Births by Race/Ethnicity of Mother and Selected Characteristics

	Total	White	Black	American Indian	Hispanic	Laotian/ Hmong	Other
Total	66,490	54,239	6,366	822	3,206	1,058	796
Age of Mother							
<15	163	41	90	4	19	9	-
15-17	2,541	1,310	775	74	249	119	14
18-19	4,384	2,809	972	93	384	107	19
20-24	13,972	10,082	2,145	267	1,075	294	109
25-29	19,994	17,193	1,281	212	804	233	270
30-34	17,198	15,526	692	118	451	158	252
35-39	7,008	6,243	334	43	189	81	118
40-44	1,172	996	74	10	35	42	14
45+	56	38	3	-	-	15	-
Unknown	2	1	-	1	-	-	-
Education of Mother							
Elem. or Less	2,087	747	215	27	586	485	27
Some H.S.	8,575	4,579	2,524	254	985	181	51
H.S. Grad	21,939	18,059	2,150	347	985	248	149
Some College	16,252	14,335	1,137	136	406	98	140
College Grad	10,869	10,283	217	24	119	22	204
Post-Grad	6,686	6,192	117	31	114	7	225
Unknown	82	44	6	3	11	17	-
Marital Status							
Married	47,606	42,844	1,095	277	1,773	899	717
Unmarried	18,884	11,395	5,271	545	1,433	159	79
Trimester Prenatal Care Began							
First	56,112	47,685	4,382	561	2,328	480	673
Second	8,147	5,262	1,473	184	647	481	100
Third	1,582	907	337	56	176	88	18
None	531	280	170	16	54	7	4
Unknown	118	105	4	5	1	2	1
Number of Prenatal Care Visits							
No Visits	531	280	170	16	54	7	4
1-4	1,948	1,039	581	58	157	98	14
5-9	11,629	8,292	1,674	223	753	521	166
10-12	29,663	24,467	2,689	320	1,484	334	367
13+	22,505	19,980	1,239	195	754	96	241
Unknown	214	181	13	10	4	2	4
Smoked During Pregnancy							
No	54,536	44,444	4,926	459	2,886	1,051	767
Yes	11,890	9,738	1,439	359	320	6	28
Unknown	64	57	1	4	-	1	1
Live Birth Order							
1	26,320	22,005	2,179	309	1,228	199	400
2	21,654	18,367	1,689	222	959	176	240
3	10,891	8,829	1,124	144	562	126	106
4	4,249	3,113	653	67	255	126	35
5+	3,373	1,922	721	80	202	431	15
Unknown	3	3	-	-	-	-	-
Place of Birth							
Hospital	65,629	53,446	6,347	817	3,187	1,038	791
Home	812	748	17	4	19	20	4
Clinic	41	41	-	-	-	-	-
Other	5	4	-	-	-	-	1
Unknown	3	-	2	1	-	-	-

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

Table B2. Percent of Births by Race/Ethnicity of Mother and Selected Characteristics

	Total	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	0.2	0.1	1.4	0.5	0.6	0.9	-
15-17	3.8	2.4	12.2	9.0	7.8	11.2	1.8
18-19	6.6	5.2	15.3	11.3	12.0	10.1	2.4
20-24	21.0	18.6	33.7	32.5	33.5	27.8	13.7
25-29	30.1	31.7	20.1	25.8	25.1	22.0	33.9
30-34	25.9	28.6	10.9	14.4	14.1	14.9	31.7
35-39	10.5	11.5	5.2	5.2	5.9	7.7	14.8
40-44	1.8	1.8	1.2	1.2	1.1	4.0	1.8
45+	0.1	0.1	0.0	-	-	1.4	-
Unknown	0.0	0.0	-	0.1	-	-	-
Education of Mother							
Elem. or Less	3.1	1.4	3.4	3.3	18.3	45.8	3.4
Some H.S.	12.9	8.4	39.6	30.9	30.7	17.1	6.4
H.S. Grad	33.0	33.3	33.8	42.2	30.7	23.4	18.7
Some College	24.4	26.4	17.9	16.5	12.7	9.3	17.6
College Grad	16.3	19.0	3.4	2.9	3.7	2.1	25.6
Post-Grad	10.1	11.4	1.8	3.8	3.6	0.7	28.3
Unknown	0.1	0.1	0.1	0.4	0.3	1.6	-
Marital Status							
Married	71.6	79.0	17.2	33.7	55.3	85.0	90.1
Unmarried	28.4	21.0	82.8	66.3	44.7	15.0	9.9
Trimester Prenatal Care Began							
First	84.4	87.9	68.8	68.2	72.6	45.4	84.5
Second	12.3	9.7	23.1	22.4	20.2	45.5	12.6
Third	2.4	1.7	5.3	6.8	5.5	8.3	2.3
None	0.8	0.5	2.7	1.9	1.7	0.7	0.5
Unknown	0.2	0.2	0.1	0.6	0.0	0.2	0.1
Number of Prenatal Care Visits							
No Visits	0.8	0.5	2.7	1.9	1.7	0.7	0.5
1-4	2.9	1.9	9.1	7.1	4.9	9.3	1.8
5-9	17.5	15.3	26.3	27.1	23.5	49.2	20.9
10-12	44.6	45.1	42.2	38.9	46.3	31.6	46.1
13+	33.8	36.8	19.5	23.7	23.5	9.1	30.3
Unknown	0.3	0.3	0.2	1.2	0.1	0.2	0.5
Smoked During Pregnancy							
No	82.0	81.9	77.4	55.8	90.0	99.3	96.4
Yes	17.9	18.0	22.6	43.7	10.0	0.6	3.5
Unknown	0.1	0.1	0.0	0.5	-	0.1	-
Live Birth Order							
1	39.6	40.6	34.2	37.6	38.3	18.8	50.3
2	32.6	33.9	26.5	27.0	29.9	16.6	30.2
3	16.4	16.3	17.7	17.5	17.5	11.9	13.3
4	6.4	5.7	10.3	8.2	8.0	11.9	4.4
5+	5.1	3.5	11.3	9.7	6.3	40.7	1.9
Unknown	0.0	0.0	-	-	-	-	-
Place of Birth							
Hospital	98.7	98.5	99.7	99.4	99.4	98.1	99.3
Home	1.2	1.4	0.3	0.5	0.6	1.9	0.5
Clinic	0.1	0.1	-	-	-	-	-
Other	0.0	0.0	-	-	-	-	0.1
Unknown	-	-	0.3	0.1	-	-	-

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

Table C. Number and Percent of Births by Birthweight and Selected Characteristics

	Total Births	<1,500 Grams		1,500-2,499 Grams		2,500+ Grams		Total <2,500 Grams	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	66,490	794	1.2	3,468	5.2	62,215	93.6	4,262	6.4
Plurality									
Single Birth	64,670	605	0.9	2,751	4.3	61,307	94.8	3,356	5.2
Multiple Birth	1,820	189	10.4	717	39.4	908	49.9	906	49.8
Prematurity									
Full Term	59,756	31	0.1	1,341	2.2	58,381	97.7	1,372	2.3
Premature	6,718	762	11.3	2,126	31.6	3,820	56.9	2,888	43.0
Unknown	16	1	6.3	1	6.3	14	87.5	2	12.5
Age of Mother									
<15	163	2	1.2	22	13.5	139	85.3	24	14.7
15-17	2,541	62	2.4	204	8.0	2,275	89.5	266	10.5
18-19	4,384	71	1.6	309	7.0	4,004	91.3	380	8.7
20-24	13,972	174	1.2	748	5.4	13,047	93.4	922	6.6
25-29	19,994	199	1.0	933	4.7	18,861	94.3	1,132	5.7
30-34	17,198	183	1.1	797	4.6	16,212	94.3	980	5.7
35-39	7,008	86	1.2	364	5.2	6,555	93.5	450	6.4
40-44	1,172	17	1.5	83	7.1	1,072	91.5	100	8.5
45+	56	-	-	7	12.5	49	87.5	7	12.5
Unknown	2	-	-	1	50.0	1	50.0	1	50.0
Race/Ethnicity of Mother									
White	54,239	542	1.0	2,500	4.6	51,186	94.4	3,042	5.6
Black	6,366	180	2.8	665	10.4	5,520	86.7	845	13.3
Amer. Indian	822	8	1.0	35	4.3	779	94.8	43	5.2
Hispanic	3,206	38	1.2	176	5.5	2,991	93.3	214	6.7
Laotian/Hmong	1,058	16	1.5	57	5.4	985	93.1	73	6.9
Other	796	9	1.1	35	4.4	752	94.5	44	5.5
Unknown	3	1	33.3	-	-	2	66.7	1	33.3
Education Of Mother									
Elem. or Less	2,087	29	1.4	126	6.0	1,932	92.6	155	7.4
Some H.S.	8,575	158	1.8	739	8.6	7,678	89.5	897	10.5
H.S. Grad	21,939	289	1.3	1,163	5.3	20,483	93.4	1,452	6.6
Some College	16,252	162	1.0	726	4.5	15,357	94.5	888	5.5
College Grad	10,869	96	0.9	414	3.8	10,358	95.3	510	4.7
Post-Grad	6,686	58	0.9	294	4.4	6,334	94.7	352	5.3
Unknown	82	2	2.4	6	7.3	73	89.0	8	9.8
Marital Status									
Married	47,606	441	0.9	2,035	4.3	45,122	94.8	2,476	5.2
Unmarried	18,884	353	1.9	1,433	7.6	17,093	90.5	1,786	9.5

(Continued)

Table C. Number and Percent of Births by Birthweight and Selected Characteristics

	Total Births	<1,500 Grams		1,500-2,499 Grams		2,500+ Grams		Total <2,500 Grams	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Trimester Prenatal Care Began									
First	56,112	646	1.2	2,757	4.9	52,703	93.9	3,403	6.1
Second	8,147	90	1.1	503	6.2	7,554	92.7	593	7.3
Third	1,582	11	0.7	106	6.7	1,465	92.6	117	7.4
None	531	37	7.0	92	17.3	399	75.1	129	24.3
Unknown	118	10	8.5	10	8.5	94	79.7	20	16.9
Number of Prenatal Care Visits									
No Visits	531	37	7.0	92	17.3	399	75.1	129	24.3
1-4	1,948	164	8.4	223	11.4	1,558	80.0	387	19.9
5-9	11,629	317	2.7	976	8.4	10,334	88.9	1,293	11.1
10-12	29,663	175	0.6	1,272	4.3	28,215	95.1	1,447	4.9
13+	22,505	88	0.4	868	3.9	21,549	95.8	956	4.2
Unknown	214	13	6.1	37	17.3	160	74.8	50	23.4
Smoked During Pregnancy									
No	54,536	596	1.1	2,397	4.4	51,532	94.5	2,993	5.5
Yes	11,890	192	1.6	1,064	8.9	10,632	89.4	1,256	10.6
Unknown	64	6	9.4	7	10.9	51	79.7	13	20.3
Type of Delivery									
Vag After Prev									
C-Section	1,922	10	0.5	72	3.7	1,839	95.7	82	4.3
Forceps	1,546	5	0.3	64	4.1	1,477	95.5	69	4.5
Other Vaginal	52,559	408	0.8	2,418	4.6	49,726	94.6	2,826	5.4
Primary C-Section	6,680	332	5.0	713	10.7	5,630	84.3	1,045	15.6
Repeat C-Section	3,783	39	1.0	201	5.3	3,543	93.7	240	6.3
Live Birth Order									
1	26,320	353	1.3	1,511	5.7	24,451	92.9	1,864	7.1
2	21,654	225	1.0	949	4.4	20,476	94.6	1,174	5.4
3	10,891	106	1.0	505	4.6	10,279	94.4	611	5.6
4	4,249	53	1.2	256	6.0	3,937	92.7	309	7.3
5+	3,373	57	1.7	247	7.3	3,069	91.0	304	9.0
Unknown	3	-	-	-		3	100.0	-	-
Congenital Anomalies									
No	65,452	764	1.2	3,341	5.1	61,335	93.7	4,105	6.3
Yes	1,038	30	2.9	127	12.2	880	84.8	157	15.1

Notes: Included in the totals are 13 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 3.3 pounds) at birth are considered very low birthweight. A dash (-) indicates that there were no events in that category.

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

	Fetal Deaths (Gestation > 20 weeks)		Neonatal Deaths (Age < 28 days)		Infant Deaths (Age < 1 year)	
	Number	Rate	Number	Rate	Number	Rate
Total	361	5.4	294	4.4	431	6.5
Sex of Infant						
Male	190	5.6	176	5.2	251	7.4
Female	167	5.1	117	3.6	179	5.5
Unknown	4	-	1	-	1	-
Birthweight						
1,499 Grams or Less	204	204.4	182	229.2	202	254.4
1,500-2,499 Grams	70	19.8	45	13.0	64	18.5
2,500+ Grams	82	1.3	63	1.0	161	2.6
Unknown	5	-	4	-	4	-
White Non-Hispanic						
1,499 Grams or Less	142	207.6	118	217.7	132	243.5
1,500-2,499 Grams	53	20.8	32	12.8	45	18.0
2,500+ Grams	64	1.2	45	0.9	116	2.3
Unknown	3	-	3	-	3	-
Black Non-Hispanic						
1,499 Grams or Less	45	200.0	42	233.3	46	255.6
1,500-2,499 Grams	9	-	6	-	11	-
2,500+ Grams	10	-	8	-	28	5.1
Unknown	1	-	-	-	-	-
Plurality						
Single Birth	321	4.9	242	3.7	374	5.8
Multiple Birth	40	21.5	52	28.6	57	31.3
Marital Status						
Married	195	4.1	166	3.5	231	4.9
Unmarried	165	8.7	128	6.8	200	10.6
Unknown	1	-	-	-	-	-
Education of Mother						
Elementary or Less	20	9.5	11	-	19	-
Some High School	63	7.3	62	7.2	98	11.4
High School Graduate	137	6.2	100	4.6	150	6.8
Some College	67	4.1	64	3.9	88	5.4
College Graduate	29	2.7	34	3.1	44	4.0
Post Graduate	29	4.3	20	3.0	29	4.3
Unknown	16	-	3	-	3	-

(Continued)

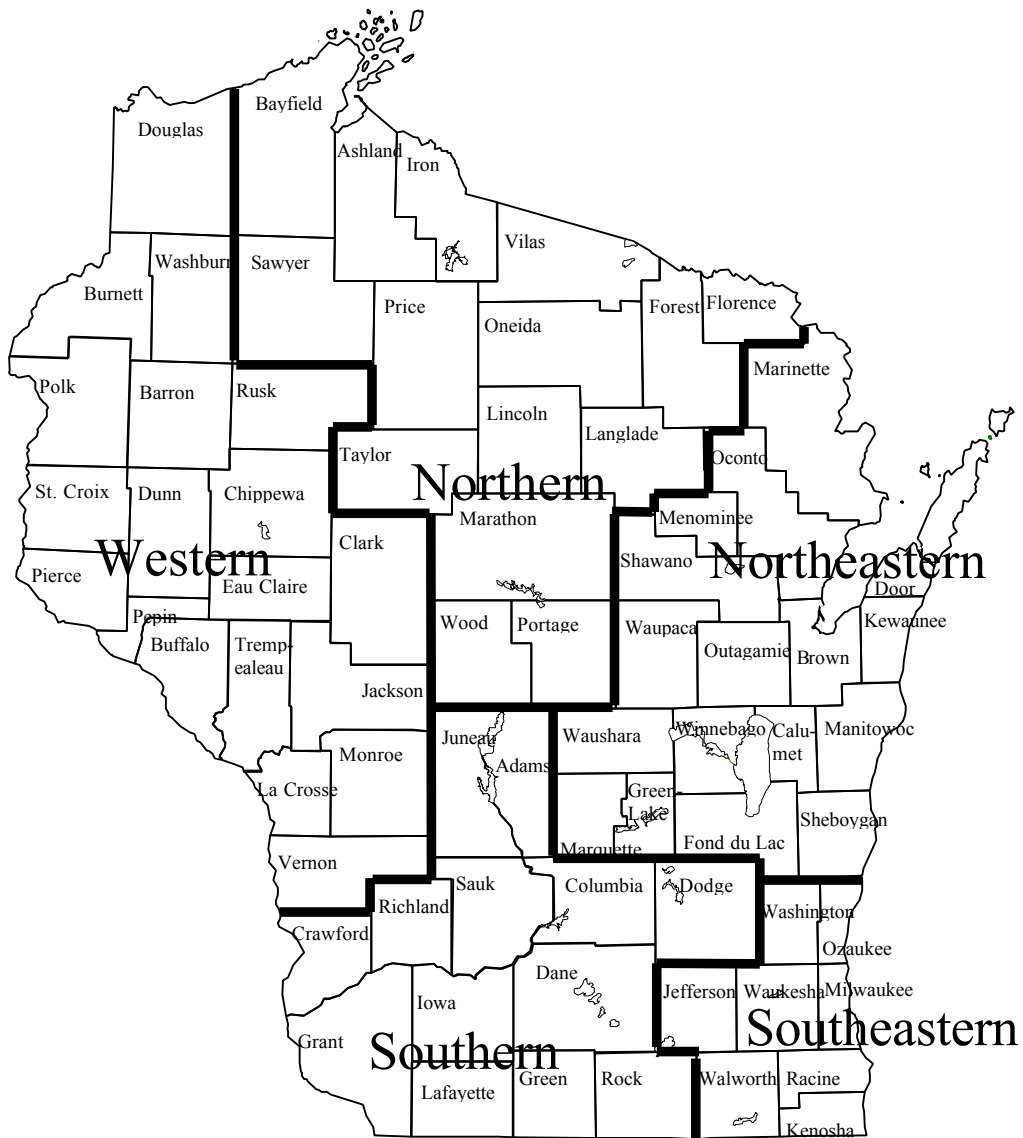
Table D. Fetal, Neonatal, and Infant Deaths by Selected Characteristics

	Fetal Deaths (Gestation > 20 weeks)		Neonatal Deaths (Age < 28 days)		Infant Deaths (Age < 1 year)	
	Number	Rate	Number	Rate	Number	Rate
Age of Mother						
<15	2	-	2	-	3	-
15-17	26	10.1	17	-	26	10.2
18-19	36	8.1	29	6.6	52	11.9
20-24	83	5.9	64	4.6	106	7.6
25-29	82	4.1	82	4.1	99	5.0
30-34	68	3.9	65	3.8	94	5.5
35-39	50	7.1	30	4.3	40	5.7
40+	14	-	5	-	11	-
Race of Mother						
White	262	4.8	198	3.7	296	5.5
Black	65	10.1	56	8.8	85	13.4
Amer. Indian	4	-	6	-	8	-
Hispanic	18	-	27	8.4	33	10.3
Laotian/Hmong	4	-	3	-	5	-
Other	7	-	3	-	3	-
Unknown	1	-	1	-	1	-
Trimester Prenatal Care Began						
First	269	4.8	231	4.1	337	6.0
Second	50	6.1	39	4.8	60	7.4
Third	10	-	6	-	9	-
None	23	41.5	18	-	25	47.1
Unknown	9	-				
Number of Prenatal Care Visits						
No Visits	22	39.8	18	-	25	47.1
1-4 Visits	81	39.9	74	38.0	81	41.6
5-9 Visits	138	11.7	94	8.1	139	12.0
10-12 Visits	80	2.7	58	2.0	106	3.6
13+ Visits	31	1.4	50	2.2	79	3.5
Unknown	9	-	-	-	1	-
Smoked During Pregnancy						
No	258	4.7	228	4.2	326	6.0
Yes	97	8.1	66	5.6	104	8.7
Unknown	6	-			1	-

Source: Fetal death and matched birth-death files, Wisconsin Bureau of Health Information, Vital Records Section, Registration and Statistics Unit.

Notes: The fetal death rate is based on the number of fetal deaths per 1,000 live births and reported 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 1. Wisconsin Department of Health and Family Services Regions, 1997



Source: Wisconsin Bureau of Health Information, Vital Records Section, Registration and Statistics Unit.

Note: As of July 1, 1996, new Department of Health and Family Services regions were established.

Comparisons with regional data in previous publications may therefore be affected.

Map 2. Wisconsin Perinatal Regions, 1997



Source: Wisconsin Bureau of Health Information, Vital Records Section, Registration and Statistics Unit.

DEPARTMENT OF HEALTH & FAMILY SERVICES
Division of Health
DOH-5103B (Rev. 10/96)

STATE OF WISCONSIN
Chapter 69, Wis. Stat.

BIRTH CERTIFICATE WORKSHEET

The information on this worksheet (except signatures and informant entries) must be typed, if possible. If a typewriter is not available, the information must be printed neatly **IN BLACK INK** including informant information. Worksheets that are illegible will be returned for replacement. Item numbers reflect data entry order and are not always in consecutive order on this form.

INFORMANT: READ THE PAGE TO THE LEFT AND COMPLETE THE SHADED AREAS ON BOTH SIDES OF THE FORM.

PART I INFORMANT LEGAL INFORMATION				
Mother	16. Mother's Current Name	First	Middle	Last
	17. Mother's Birth Name (Maiden Name)	First	Middle	Last
	18. Mother's Date of Birth (Mo./Day/Yr.) (spell out month)	19. Mother's State of Birth (if not in the U.S.A., name the country)		
	* For items 20-23, enter the mother's legal residence (the physical location where the mother lives). Name the city, village or township (Minor Civil Division) where the home is located. This is not always the same as the mailing address. Do not name an unincorporated place.			
20. Residence State (if not in the U.S.A., name the country)		21. Residence County		
22. Residence Inside City, Village, Township of:		23. Check One: <input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Township		
Husband Information: Read the information on the page to the left labeled "E. Husband/Father Information on the Birth Certificate" before entering any of the items pertaining to the husband on the worksheet and before completing item 35, "Is Mother Married?"				
Husband	24. Husband's Name	First	Middle	Last
	25. Husband's Date of Birth (Mo./Day/Yr.) (spell out month)	26. Husband's State of Birth (if not in U.S.A., name the country)		
32. Informant Name		33. Relation to Child (do not enter "father" if informant is not listed as husband in item 24)		
CHILD'S NAME (Read the information to the left labeled "D. Naming Your Child" before completing this section.) Print the name as you want it to appear on the legal birth record.				
First		Middle	Last	Title (e.g. Jr., II, III, etc.)
PART II INFORMANT CONFIDENTIAL LEGAL INFORMATION (This information Does Not Appear on Certified Copies of the Birth Certificate)				
34a. Mother's Mailing Address (Street or RFD, City / Village / Post Office, State, ZIP) The Birth Notification form will be sent to this address. If the infant is being placed for adoption or this possibility is under consideration, check the box. Do not provide an address. <input type="checkbox"/> Child may/will be placed for adoption				
34b. Social Security Number Requested by Parents? Read the information on the page to the left labeled, "G. Social Security Number Requested" before answering this question. The infant must be named and the mother's mailing address must be complete if the box is checked "Yes". <input type="checkbox"/> YES <input type="checkbox"/> NO		34c. Mother's Social Security Number		
		34d. Husband's Social Security Number		
35. Is Mother Married (at any time between conception and birth)? Read the information labeled "E. Husband/Father Information" on the page to the left before answering this question. <input type="checkbox"/> YES <input type="checkbox"/> NO				
*Parent/Informant Signature and Date. I certify that the information I have provided in the shaded areas of both sides of this form is correct to the best of my knowledge and belief.				
Signature		Date Signed		
*Only the mother and/or the husband named in item 24 may name the child and/or authorize a request for a social security number for the child. If the informant is someone other than the mother or husband, the mother or husband must co-sign this document.				
PART I RECORD FILER LEGAL INFORMATION (RECORD FILER: TYPE OR PRINT CHILD'S NAME AND RE-VERIFY WITH NAME GIVEN ABOVE BY INFORMANT)				
1. Child's Name: First		Middle	Last	Title (e.g. Jr., II, III, etc.)
2. Sex <input type="checkbox"/> Male <input type="checkbox"/> Female	3. Date of Birth (Month/Day/Year) (spell out month)		4. Hour (specify hour and minute and check appropriate box) <input type="checkbox"/> AM <input type="checkbox"/> PM <input type="checkbox"/> Noon <input type="checkbox"/> Midnight	
5a. Birth Facility <input type="checkbox"/> Clinic/Dr. Office <input type="checkbox"/> Residence <input type="checkbox"/> Hospital <input type="checkbox"/> Birth Center <input type="checkbox"/> Other		5b. If at or en route to a hospital, give name		
5c. If not at or en route to a hospital, give street address where birth occurred (where placenta was delivered)				
6. County of Birth:		7. Birth Occurred Inside City, Village, Township of:		8. Check One: <input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Township
9a. Attendant Name		9b. Wis. License #	10. Title 1. <input type="checkbox"/> M.D. 2. <input type="checkbox"/> D.O. 3. <input type="checkbox"/> C.N.M. 4. <input type="checkbox"/> Other MDWF 5. <input type="checkbox"/> Other	
11. Name of Filing Party [s. 69.14(1)(c)] and Title			12. Date Completed (Month/Day/Year) (spell out month)	
13. Mailing Address of Filing Party <input type="checkbox"/> Same as Hospital. If not at a hospital, give complete mailing address				
27. Birthweight (original unconverted) grams OR lbs. oz.		28. Crown-Heel Length (original unconverted) centimeters OR in.		
29. If infant Died (Mo./Day/Yr.) (spell out month) <input type="checkbox"/> Died		30. Plurality (single, twin, triplet, etc.)		31. If Not Single Birth: (born first, second, third, etc.)

PART III CONFIDENTIAL MEDICAL/STATISTICAL INFORMATION

The information from this page is only available to the mother and to the staff of some public health and research programs. They must treat this information as confidential material. The information is collected throughout the nation for health and population research and it is used to promote healthy births and to identify present and future health needs and populations of certain groups or areas. This information does not appear on the birth certificate.

RACE - Enter the race of the mother and husband (if listed in item 24) on the appropriate line. Enter both races if of "mixed" race. Do not enter "Hispanic" here. If "Native American", enter "American Indian". If Asian or Southeast Asian, specify the national origin such as "Hmong", "Cambodian", "Chinese", "Japanese", etc.

HISPANIC ORIGIN - "Hispanic" refers to people whose origins are from Spain, Mexico, or the Spanish-speaking countries of Central or South America. If you are of Hispanic origin, specify the national origin. If not of Hispanic origin, check the "No" box.

EDUCATION - Enter the number of years of schooling completed. Do not count partial years (e.g. if the freshman year of college is not completed, enter "12" under "Elementary/Secondary" column). Do not include years in technical or specialty schools unless college transferable academic credits were received.

EMPLOYMENT ONE YEAR AGO - Enter the occupation and type of firm or agency worked at one year prior to this birth. Be as specific as possible in these items (See examples below). Avoid the use of a firm or agency name. Instead, describe the type of business in which the firm or agency is involved. Do not use abbreviations for job titles.

Examples:

	OCCUPATION	TYPE OF FIRM OR AGENCY	OCCUPATION	TYPE OF FIRM OR AGENCY
Enter:	Clerk Typist	City Health Department	Enter:	Disabled
Not:	Office Worker	City of Madison	Not:	None
Enter:	Math Teacher	High School	Enter:	Unemployed
Not:	Teacher	Public School	Not:	Never Worked
Enter:	Auto Mechanic	Self-Employed	Enter:	Student
Not:	Mechanic	Own	Not:	None
Enter:	Sales Clerk	Hardware Store	Enter:	Homemaker
Not:	Clerk	Smith's Store	Not:	None

SAMPLE

Mother	36. RACE White, Black, Amer. Ind., etc.	37. HISPANIC ORIGIN Specify Mexican, Puerto Rican, Cuban, etc.	38. EDUCATION Highest Grade Completed Elem./Second College (0-12)	39. EMPLOYMENT ONE YEAR AGO Occupation	39. EMPLOYMENT ONE YEAR AGO Type of Firm or Agency	40. PREGNANCY HISTORY (Obtain from informant if necessary)	DATE OF LAST LIVE BIRTH Month/Year
	a	a	a	a	a	a. Number b. Number c.	
Husband						OTHER TERMINATIONS (Spontaneous or induced)	DATE OF LAST OTHER TERMINATION Month/Year
	b	b	b	c	d	d. Number e. Number f.	
41. CLINICAL ESTIMATE OF GESTATION (Weeks)		42. DATE LAST NORMAL MENSTRUATION BEGAN Month Day Year		43. MONTH OF PREGNANCY PRENATAL CARE BEGAN (Month 1-9; Not Trimester)		44. TOTAL NUMBER OF PRENATAL VISITS	
45. APGAR SCORE 1 minute 5 minute		46. MOTHER TRANSFERRED PRIOR TO DELIVERY? YES <input type="checkbox"/> NO <input type="checkbox"/>		47. INFANT TRANSFERRED TO INTENSIVE CARE OR MOTHER HOSPITAL If yes, Name facility and city: Date of Transfer (Month Day Year)		48. Weight Gain/Loss During Pregnancy. Net pounds gained _____ OR lost _____	
CIGARETTE USE AND ALCOHOL USE: If the mother smoked cigarettes or consumed alcohol at any time during the pregnancy, check the "Yes" box for the appropriate item. Enter the average number of cigarettes smoked per day and/or the average number of alcoholic drinks consumed per week. If the average is less than "1", enter "0" (zero).							
If the mother did not smoke cigarettes or drink alcohol at any time during the pregnancy, check "NO" for the appropriate item.							
48a. Cigarette use during pregnancy? Yes <input type="checkbox"/> If yes, avg. number cigarettes per day _____ No <input type="checkbox"/>		48b. Alcohol Use During Pregnancy? Yes <input type="checkbox"/> If yes, avg. number drinks per week _____ No <input type="checkbox"/>					

CHECK ALL THAT APPLY

49. MEDICAL HISTORY FOR THIS PREGNANCY

- 01A Anemia (Hct. < 30/Hgb. < 10)
- 02B Cardiac disease
- 03C Acute or chronic lung disease
- 04D Pre-existing diabetes
- 05E Gestational diabetes
- 06F Genital herpes
- 07G Other STD (chlamydia, GC)
- 08H Hydramnios/Oligohydramnios
- 09I Hemoglobinopathy
- 10J Hypertension, chronic
- 11K Hypertension, pregnancy assoc
- 12L Eclampsia
- 13M Incompetent cervix
- 14N Previous infant 4000+ grams
- 15O Previous preterm or small-for gestational-age infant
- 16P Renal disease
- 17Q Rh sensitization
- 18R Uterine bleeding
- 19S None
- 20T Other
Specify:

50. OBSTETRIC PROCEDURES

- 01A Amniocentesis
- 02B Electronic fetal monitoring
- 03C Induction of labor
- 04D Stimulation of labor
- 05E Tocolysis
- 06F Ultrasound
- 07G Postpartum sterilization
- 08H None
- 09I Other
Specify:

51. EVENTS OF LABOR AND/OR DELIVERY

- 01A Febrile (> 100 F or 38C)
- 02B Meconium, moderate/heavy
- 03C Prem. rupture of membranes (> 12 hrs)
- 04D Abruptio placenta
- 05E Placenta previa
- 06F Other excessive bleeding
- 07G Seizures during labor
- 08H Precipitous labor (< 3 hrs)
- 09I Prolonged labor (> 20 hrs)
- 10J Dysfunctional labor
- 11K Breech
- 12L Other malpresentation
- 13M Cephalopelvic disproportion
- 14N Cord prolapse
- 15O Anesthetic complications
- 16P Fetal distress
- 17Q None
- 18R Other
Specify:

52. METHOD OF DELIVERY

- 01A Vaginal
- 02B Vaginal after previous C-section
- 03C Primary C-section
- 04D Repeat C-section
- 05E Forceps
- 06F Vacuum

53. ABNORMAL CONDITIONS OF THE NEWBORN

- 01A Anemia (Hct. < 39/Hgb. < 13)
- 02B Birth injury
- 03C Hyaline membrane disease/RDS
- 04D Meconium aspiration syndrome
- 05E Assisted ventilation (< 30 min)
- 06F Assisted ventilation (> 30 min)
- 07G Seizures
- 08H None
- 09I Other
Specify:

54. CONGENITAL ANOMALIES OF CHILD

- 01A Anencephalus
- 02B Spina Bifida/Meningocele
- 03C Hydrocephalus
- 04D Microcephalus
- 05E Other cent. nerv. sys. anomalies
Specify:
- 06F Heart malformations
- 07G Other circ./respir. anomalies
Specify:
- 08H Rectal atresia/stenosis
- 09I Tracheo-esophageal fistula/Esoophageal atresia
- 10J Omphalocele/Gastroschisis
- 11K Other gastrointestinal anomalies
Specify:
- 12L Malformed genitalia
- 13M Renal agenesis
- 14N Other urogenital anomalies
Specify:
- 15O Cleft lip/palate
- 16P Polydactyl/Syndactyl/Adactyl
- 17Q Club foot
- 18R Diaphragmatic hernia
- 19S Other musculoskeletal/integumental anomalies
Specify:
- 20T Down syndrome
- 21U Other chromosomal anomalies
Specify:
- 22V None
- 23W Other
Specify:

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, 1997*. 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, 32-34	Pages 5,6	Page 35
Birthweight	Page 27	Page 7	
Home Deliveries	Page 41	Page 30	
Hospital Deliveries	Page 39	Page 9	
Infant Mortality	Page 30	Page 10	
Marital Status	Page 16	Page 8	
Medical Risk Factors	Page 25	Page 8	
Obstetric Procedures	Page 26	Page 9	
Prenatal Care	Page 20	Page 6	
Smoking	Page 22	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	6a ,6b	2.7.1	1.6
and birthweight	18	2.7.3	
and unmarried mothers	12a ,12b	2.7.4	
and prenatal care	14	2.7.2	
and race	8a ,8b	2.7.5	1.1
and selected Minor Civil Division	3		1.6

	Wisconsin Births and Infant Deaths	1994 Maternal and Child Health	1994 Vital Statistics
Births by Selected Cities	2	2.7.6, 2.7.7	1.6
Births by Region			
and age	7a ,7b	2.8.1, 2.8.2	
and birthweight	19	2.8.1, 2.8.2	
and unmarried mothers	13a, 13b	2.8.1, 2.8.2	
and education	11a, 11b	2.8.1, 2.8.2	
and prenatal care	15	2.8.1, 2.8.2	
and race	9a, 9b	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 Data. Unless otherwise noted, national data used in this report were cited from Ventura SJ, Anderson RN, Martin JA, Smith BL. Births and deaths: Preliminary data for 1997. *National Vital Statistics Reports*, Vol. 47, No. 4. Hyattsville, Maryland: National Center for Health Statistics, 1998.

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” and mothers born in Laos. Hispanics may be of any race; in Wisconsin, approximately 96 percent of Hispanic women giving birth report their race as white.

Prior to 1994, Wisconsin birth reports included a race/ethnicity 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, pages 93 and 94). 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 changes in the editing of 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 adopted 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, 1997.

Prematurity. The 1995 through 1997 reports use 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 1997, rather than the mortality experience of the 1997 birth cohort, to allow more timely reporting on infant mortality.

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

Perinatal Death. Includes all reported fetal deaths of 20 or more weeks gestation and all neonatal deaths.

Maternal Deaths. There were two deaths in 1997 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 (now the Bureau of Health Information) followed up deaths of women of childbearing age with inquiries about pregnancy-related causes of death. Maternal deaths from 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 92). These regions were informally designated in the early 1970's 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 arrangements exist among providers of perinatal services to facilitate optimal treatment for pregnant women and newborns. Within each region, selected hospitals with the 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 all states has been in operation for several decades to allocate birth and death certificates to the state of residence. Although this exchange program is not totally complete, the incompleteness is not of sufficient magnitude to seriously affect natality and infant mortality results.

Edit checks are incorporated in the software used for electronic transmission of birth certificate data, and the Vital Records Registration & Statistics Unit of the Bureau of Health Information 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 types of obstetrical procedures performed. There may also be underreporting of congenital anomalies which are identifiable at birth; in addition, some congenital anomalies cannot be detected at the time 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 six 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 birthweight 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.
<u><i>Obstetric Procedures</i></u>	
<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.
<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 Anomales</i>	All other chromosomal aberrations.