

2003

Wisconsin
Births and Infant Deaths

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

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October 2004

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Foreword

The Department of Health and Family Services is mandated by section 69.03 (9), Wisconsin Statutes, to prepare an annual report on vital statistics. This report summarizes data collected from the confidential portion of the birth record.

The Department of Health and Family Services produced this publication, which was prepared in the Bureau of Health Information and Policy. The Bureau of Health Information and Policy is a new bureau in the Division of Public Health. It comprises the former Bureau of Health Information (which was part of the Division of Health Care Financing) and selected policy staff from the Division of Public Health.

In the Bureau of Health Information and Policy, staff of the Vital Records Section, Registration and Statistics Unit, collected and compiled the birth, infant death, and fetal death records. Laura Ninneman prepared the report and updated the narrative. Patricia Nametz edited the report. Wendy Hart provided technical assistance and produced the data sets used in this report. Draft review and comments were provided by Murray Katcher, M.D., Bureau of Community Health and Prevention, Division of Public Health; and by Sandra Park in the Bureau of Health Information and Policy, Population Health Information Section. The report was prepared under the supervision of John Kiesow, State Registrar, Vital Records Section and Jane Kraus, Supervisor, Registration and Statistics Unit; and the overall direction of Susan Wood, Director, Bureau of Health Information and Policy.

Additional health-related statistical information for Wisconsin is also available through the Internet on the Department of Health and Family Services Web site, at <http://dhfs.wisconsin.gov/stats>. Wisconsin Interactive Statistics on Health (WISH) is a data query system that allows users to obtain birth and other data tailored to their specifications, at <http://dhfs.wisconsin.gov/wish>. Trend tables of maternal and child health data for individual counties are available at <http://dhfs.wisconsin.gov/localdata/infantspgwomn/start.htm>.

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Contents

Foreword	ii
Introduction	1
Key Findings	2
Statewide Information	
Birth and Fertility Rates.....	4
Characteristics of the Mother.....	8
Age.....	8
Births to Teens.....	9
Race/Ethnicity.....	11
Marital Status.....	13
Education.....	15
Characteristics of the Pregnancy and Delivery.....	17
Prenatal Care.....	17
Cigarette Smoking.....	19
Medical Risk Factors.....	21
Methods of Delivery.....	22
Obstetric Procedures.....	23
Characteristics of the Newborn.....	24
Low Birthweight.....	24
Prematurity.....	25
Congenital Anomalies.....	26
Mortality.....	27
Local and Regional Information	
Birth and Fertility Rates	
Table 1. Population, Births by Sex, Crude and General Fertility Rates by County.....	29
Table 2. Population, Births and Crude Birth Rate by Selected Places.....	31
Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions.....	32
Table 4. Births by County, City and Hospital of Occurrence.....	36
Table 5. Home Births by County of Birth.....	39
Characteristics of the Mother	
Table 6a. Number of Births by Age of Mother and County.....	40
Table 6b. Percent of Births by Age of Mother and County.....	42
Table 7a. Number of Births by Age of Mother and Region.....	44
Table 7b. Percent of Births by Age of Mother and Region.....	44
Table 8a. Number of Births by Race/Ethnicity of Mother and County.....	45
Table 8b. Percent of Births by Race/Ethnicity of Mother and County.....	47
Table 9a. Number of Births by Race/Ethnicity of Mother and Region.....	49
Table 9b. Percent of Births by Race/Ethnicity of Mother and Region.....	49
Table 10a. Number of Births by Education of Mother and County.....	50
Table 10b. Percent of Births by Education of Mother and County.....	52
Table 11a. Number of Births by Education of Mother and Region.....	54
Table 11b. Percent of Births by Education of Mother and Region.....	54
Table 12a. Number of Births to Unmarried Mothers by Age and County.....	55
Table 12b. Percent of Births to Unmarried Mothers by Age and County.....	57
Table 13a. Births to Unmarried Mothers by Age and Region.....	59
Table 13b. Percent of Births to Unmarried Mothers by Age and Region.....	59

Characteristics of Pregnancy	
Table 14.	Births by Trimester Prenatal Care Began and County..... 60
Table 15.	Births by Trimester Prenatal Care Began and Region..... 62
Table 16.	Births by Number of Prenatal Care Visits and County..... 63
Table 17.	Births by Number of Prenatal Care Visits and Region..... 65
Characteristics of the Newborn	
Table 18.	Births by Birthweight and County..... 66
Table 19.	Births by Birthweight and Region..... 68
Mortality	
Table 20.	Fetal, Neonatal, Postneonatal and Infant Deaths by County..... 69
Table 21a.	Fetal, Neonatal, Postneonatal and Infant Deaths by Region..... 71
Table 21b.	Rates of Fetal, Neonatal, Postneonatal and Infant Deaths by Region..... 71
Table 22.	Fetal, Neonatal, Postneonatal and Infant Deaths by Selected Places..... 72
Trend Information, 1980 to 2003	
Table 23.	Number of Births by County of Residence..... 73
Table 24.	Number and Rate of Births by Age of Mother..... 79
Table 25.	Total Births and Births to Teenagers and Unmarried Mothers..... 81
Table 26.	Births by Selected Birth Indicators..... 82
Table 27.	Infant, Neonatal, Fetal and Perinatal Deaths and Mortality Rates..... 83
Detailed Statewide Information	
Table A1.	Number of Births by Age of Mother and Selected Characteristics..... 84
Table A2.	Percent of Births by Age of Mother and Selected Characteristics..... 85
Table B1.	Number of Births by Race/Ethnicity of Mother and Selected Characteristics..... 86
Table B2.	Percent of Births by Race/Ethnicity of Mother and Selected Characteristics..... 88
Table C1.	Number and Percent of Births by Birthweight and Selected Characteristics..... 90
Table C2.	Number and Percent of Births by Estimated Gestational Age and Birthweight..... 92
Table C3.	Number and Percent of Births by Race/Ethnicity of Mother and Birthweight..... 93
Table D.	Fetal, Neonatal, and Infant Deaths by Selected Characteristics..... 94
Table E.	Selected Birth Rates, Mortality Rates, and Birth Characteristics, Wisconsin and United States, 2003..... 96
Technical Notes	
Sources, Definitions, and Explanations of Terms..... 100	

Introduction

This report presents information about births that occurred in 2003 to Wisconsin residents. Information from previous years is also presented to show changes over time. Information is included on the number and rate of live births; demographic characteristics of the mother, such as age, race, marital status, education and number of previous births; characteristics of pregnancy and delivery, including the trimester that prenatal care began, number of visits, whether the mother smoked during pregnancy; and characteristics of the newborn. Also included is information about infants who died before their first birthday, and fetuses of more than 20 weeks of 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 place 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 the Wisconsin resident birth certificate file, the matched birth-death file, and the 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 2003 (and comparative information for 1993); 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. State law also requires the Department to protect the confidentiality of birth data, and to ensure that statistical information based on the data (such as that contained in this report) does not identify any individual. The Bureau of Health Information and Policy in the Department of Health and Family Services scrupulously follows written procedures to protect the confidential data entrusted to it.

The National Center for Health Statistics works with representatives of all 50 states to select the specific data items collected on the birth record. Data items are chosen for their usefulness in understanding and improving maternal and child health outcomes.

The Bureau of Health Information and Policy acknowledges and thanks the Wisconsin hospitals and birth attendants who reported birth information, and their counterparts in neighboring states who submitted out-of-state birth data for Wisconsin residents.

Key Findings

- In 2003, there were 69,999 live births to Wisconsin residents, 1,489 more than in 2002.
- The 2003 crude birth rate in Wisconsin was 12.7 births per 1,000 total population, slightly higher than the 2002 rate (12.6). In comparison, the United States crude birth rate for 2002 was 13.9 per 1,000 population. (The crude birth rate is the number of live births per 1,000 total population.)
- The 2003 general fertility rate of 60.4 births per 1,000 Wisconsin females aged 15-44 was lower than the 2002 United States general fertility rate of 64.8 births per 1,000 (see Technical Notes, page 99, for source of U.S. data).
- In 2003, the fertility rate for Wisconsin teens aged 15-19 was 31.6 births per 1,000 females in this age group. This was lower than the rate in 2002 (32.7). In 2002, the U.S. teen fertility rate was 43.0.
- Wisconsin age-specific fertility rates are lower than the corresponding national rates for teens, women aged 20-24 and women aged 35 and older. Age-specific fertility rates for women aged 25-29 and 30-34 are higher than corresponding national rates (see page 5 of this report).
- From 1993 to 2003, the percent of births to women in their teens and late twenties decreased, while the percent of births to women in their thirties increased. The proportion of births to women in their early twenties remained about the same.
- From 1993 to 2003, the proportion of Wisconsin births to non-Hispanic white women decreased from 83 percent to 78 percent, while the proportion of births to Hispanics increased from 3 percent to 8 percent. The proportion of births to women in other race/ethnicity groups remained roughly stable, with black women accounting for 10 percent in 1993 and 9 percent in 2003, American Indian women 1 percent in each year, and women in other groups approximately 3 percent in each year.
- In 2003, 16 percent of Wisconsin women who gave birth had not finished high school, compared to 17 percent in 1993. Fifty-five percent of women who gave birth in 2003 had attended college for one year or more, compared to 45 percent in 1993.
- The overall proportion of women who received first-trimester prenatal care was 85 percent in 2003, compared with 82 percent in 1993. The proportion with first-trimester care increased in each age group and each race/ethnicity group.
- The proportion of women giving birth who reported they smoked during pregnancy decreased from 21 percent in 1993 to 14 percent in 2003.
- In 2003, 4,773 Wisconsin infants were low birthweight; that is, they weighed less than 2,500 grams (about 5.5 pounds) at birth. This total represented 6.8 percent of all births (compared to 6.6 percent in 2002). In comparison, 7.8 percent of all infants born in the United States in 2002 weighed less than 2,500 grams.
- Among low birthweight infants, 908 were born at *very* low birthweight (less than 1,500 grams or about 3.3 pounds) and were thus at the highest risk for health problems. The very low birthweight percentage was 1.3 percent among all births, and 1.1 percent of births to whites,

3.4 percent of births to blacks, 0.9 percent of births to American Indians, 1.4 percent of births to Hispanics and 1.9 percent of births to Laotian/Hmong.

- In 2003, 7,696 Wisconsin infants were born prematurely (with a gestation of less than 37 weeks). This total represented 11.0 percent of all births (compared to 10.7 percent in 2002). (See Technical Notes, page 100, for full definition of prematurity.)
- In Wisconsin, 454 infants under the age of one year died in 2003. The 2003 infant mortality rate was 6.5 infant deaths per 1,000 live births, compared to 6.9 in 2002 and 7.9 in 1993. The 2001 U.S. infant mortality rate (the latest available) was 6.8 infant deaths per 1,000 live births.
- The black infant mortality rate for 2003 was 15.3 deaths per 1,000 births to black mothers, compared to 18.3 in 2002 and 14.9 in 1993. The 2003 white infant mortality rate was 5.3 deaths per 1,000 births to white women, similar to the 2002 rate (5.5) and lower than the 1993 rate (7.0). The Hispanic infant mortality rate for 2003 was 6.9 deaths per 1,000 births to Hispanic women, similar to the rate for 2002 (6.6). (There were too few Hispanic infant deaths in 1993 to present a rate.)

Ten Most Popular First Names for Newborns, Wisconsin 2003	
Females	Males
1.Emma	1.Jacob
2.Emily	2.Ethan
3.Olivia	3.Logan
4.Grace	4.Tyler
5.Hannah	5.Samuel
6.Abigail	6.Alexander
7.Elizabeth	7.Matthew
8.Alexis	8.Joseph
9.Samantha	9.Benjamin
10.Madison	10.Andrew

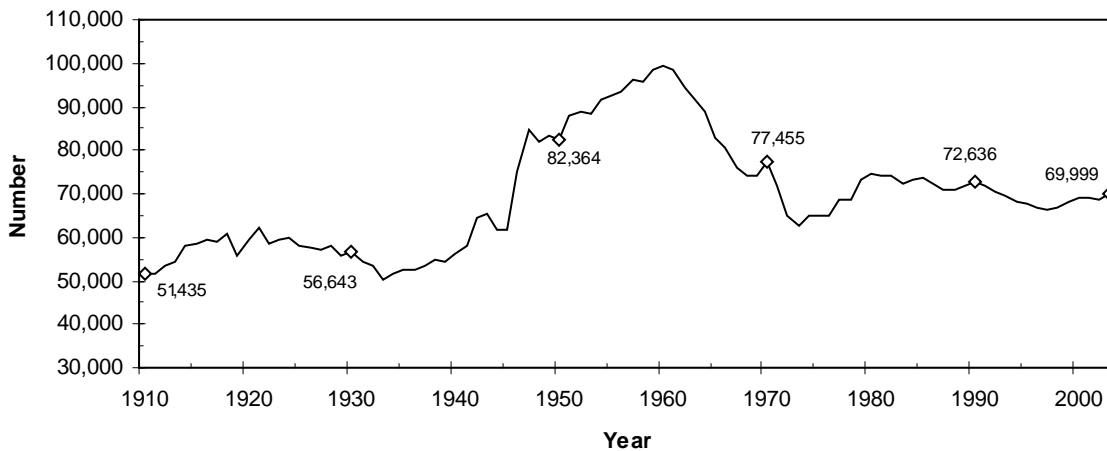
Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

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, Caitlyn and Kaitlin as one name could change the placements.

Birth and Fertility Rates

- In 2003 there were 69,999 births to Wisconsin residents, 1,489 more than in 2002.
- This increase in the annual number of births comes after two years of consecutive decreases.
- The 2003 crude birth rate was 12.7 births per 1,000 population, slightly higher than the 2002 rate (12.6). In comparison, the United States crude birth rate for 2002 was 13.9 births per 1,000 population. (The crude birth rate is the number of live births per 1,000 total population.)
- The 2003 general fertility rate of 60.4 births per 1,000 Wisconsin females ages 15-44 was slightly higher than the 2002 rate (58.7). In comparison, the United States general fertility rate for 2002 was 64.8 births per 1,000.

Figure 1. Number of Births to Wisconsin Residents, 1910-2003



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

Note: 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.

- Wisconsin age-specific fertility rates are lower than the corresponding national rates for teens, women aged 20-24 and women aged 35 and older. Age-specific fertility rates are the number of births to a specific age group per 1,000 females in that age group.
- Fertility rates among Wisconsin women aged 25-29 and 30-34 are higher than the corresponding national rates, based on United States 2002 final statistics. (See Technical Notes, page 99, for source of U.S. data.)

Age-Specific Fertility Rates, Wisconsin, 2003 and United States, 2002

Age	Wisconsin Rate		U.S. Rate
15-19	31.6	(31.2)*	43.0
15-17	16.3	(15.5)*	23.2
18-19	54.6		72.8
20-24	80.9		103.6
25-29	123.7		113.6
30-34	102.6		91.5
35-39	40.8		41.4
40-44	6.9	(6.6)*	8.3

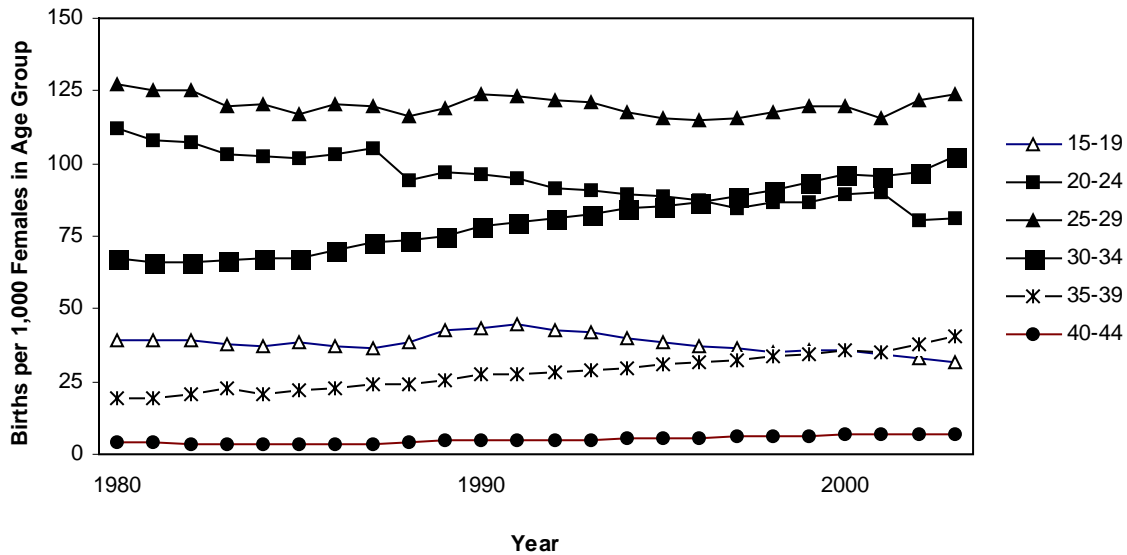
Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Rates are the number of births per 1,000 females in the age group. Wisconsin rates for births to mothers ages 15-19 and 15-17 include 85 births to mothers less than 15 years old; the rate for mothers aged 40-44 includes 71 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 rates in parentheses are calculated to be comparable to U.S. rates, which exclude mothers younger than 15 and mothers older than 44 from the calculations.

- Compared with 1980, age-specific fertility rates in 2003 were:
 - Lower for teens, women aged 20-24, and women aged 25-29.
 - Higher for women aged 30-34 and 35 plus.

Figure 2. Age-Specific Fertility Rates, Wisconsin, 1980-2003

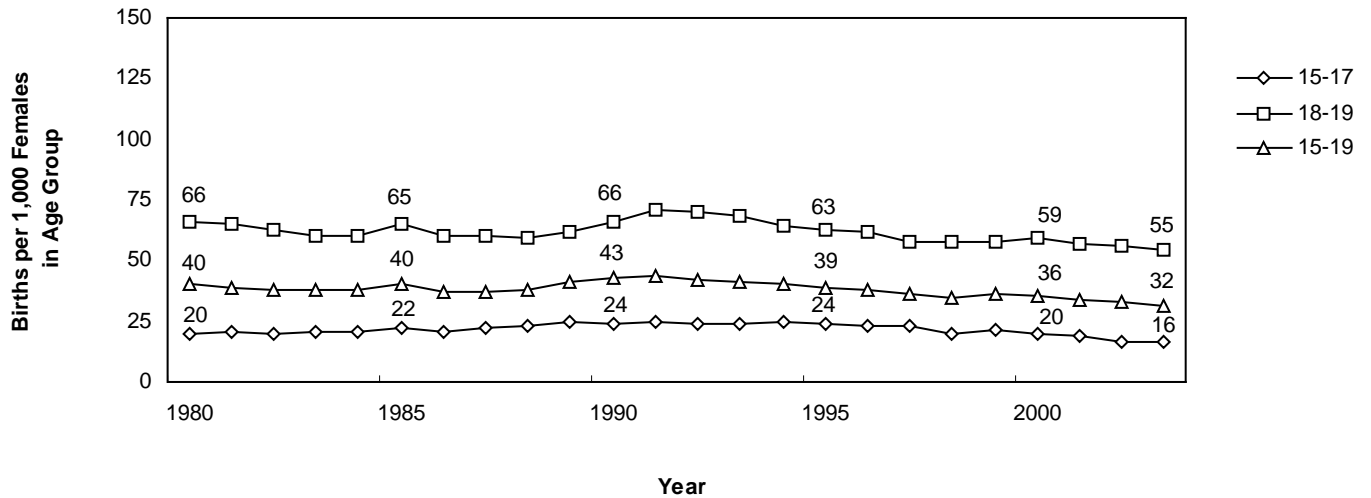


Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: 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 2003, the fertility rate for Wisconsin teens aged 15-19 was 31.6 births per 1,000 females in this age group. This was lower than the rate in 2002 (32.7), and continues a general decline in the teen fertility rate for more than a decade.
- For many years the Wisconsin teen fertility rate has been lower than the comparable national rate. In 2002, the U.S. teen fertility rate was 43.0.

Figure 3. Teen Birth Rates, Wisconsin, 1980-2003



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

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

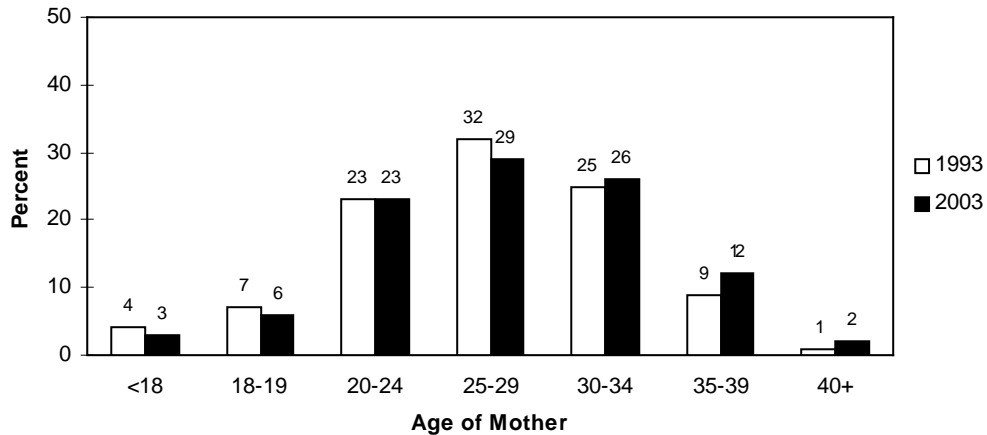
Age of Mother

Births in 2003 included:

85	births to teens less than 15 years old
1,861	births to teens 15-17 years old
4,371	births to teens 18-19 years old
16,011	births to women aged 20-24
20,157	births to women aged 25-29
17,855	births to women aged 30-34
8,087	births to women aged 35-39
1,486	births to women aged 40-44
71	births to women aged 45 or older
15	births with unreported maternal age.

- From 1993 to 2003, the percent of births to women in their late twenties decreased, while the percent of births to women in their thirties increased (see Figure 4). The proportion of births to women in their early twenties remained about the same.

Figure 4. Percent of Births by Age of Mother, Wisconsin, 1993 and 2003



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

Note: For detailed information on 2003 births by age of mother, see Supplementary Tables A1 and A2, pages 84 and 85.

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 1993.

Teen Births by Age, Wisconsin, 1993 and 2003

Maternal Age (Teens)	1993		2003	
	Number	Percent	Number	Percent
<15	175	2%	85	1%
15-17	2,481	34	1,861	29
18-19	4,576	63	4,371	69
Total <20	7,232	100%	6,317	100%

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

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

- Non-Hispanic whites make up the largest number of teen births in the state (3,395 in 2003).
- Teen births represented 9 percent of all births, and a higher proportion of births to blacks, American Indians, Hispanics, and Laotian/Hmong.

Teen Births by Race/Ethnicity, Wisconsin, 2003

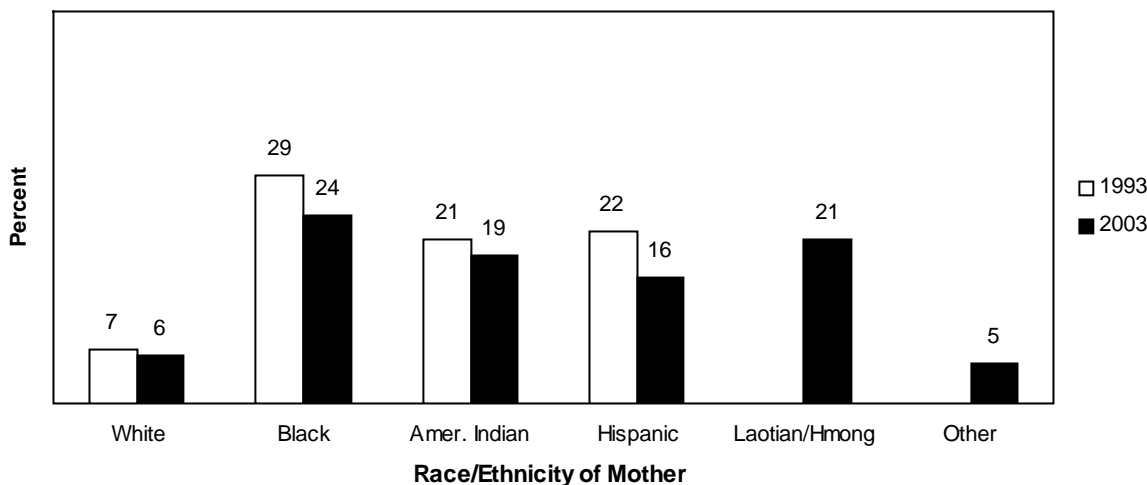
Race/Ethnicity	Number of Births		Percent of Births		
	Total	Teens (<20)	Teens (<20)	Ages 20+	Total
Total	69,999	6,317	9.0%	91.0%	100.0%
White	54,831	3,395	6.2	93.8	100.0
Black/African American	6,409	1,558	24.3	75.7	100.0
American Indian	981	185	18.9	81.1	100.0
Hispanic/Latino	5,522	899	16.3	83.7	100.0
Laotian/Hmong	1,010	213	21.1	78.9	100.0
Other	1,219	64	5.3	94.7	100.0

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

Note: Included in the total are 27 births for which race/ethnicity of mother was not reported; 3 of these were to mothers under 20 years of age.

- In 2003 compared to 1993, teen births represented a smaller proportion of births to blacks (24 percent vs. 29 percent), American Indians (19 percent vs. 21 percent), and Hispanics (16 percent vs. 22 percent).

Figure 5. Teen Births as a Percent of Total Births in Each Race/Ethnicity Group, Wisconsin, 1993 and 2003



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

Notes: See Technical Notes for full definitions of race/ethnicity categories. There are no comparable 1993 data available for the Laotian/Hmong or Other groups.

- In 2003, 9 percent of teen births occurred less than 24 months since a previous birth. Seven percent of teen births occurred 24 or more months since a previous birth, and 82 percent were first births.

Teen Births by Interval in Months Since Last Live Birth, Wisconsin, 2003

Birth Interval	All Ages	All Teens (<20)			All Ages	All Teens (<20)		
		<18	18-19	<18		18-19		
Total	69,999	6,317	1,946	4,371	100.0%	100.0%	100.0%	100.0%
First Birth	27,904	5,183	1,785	3,398	39.9	82.0	91.7	77.7
1-11 Months	631	97	18	79	0.9	1.5	0.9	1.8
12-17 Months	3,549	245	46	199	5.1	3.9	2.4	4.6
18-23 Months	5,833	231	40	191	8.3	3.7	2.1	4.4
24-Plus Months	29,485	459	41	418	42.1	7.3	2.1	9.6
Unknown	1,440	48	6	42	2.1	0.8	0.3	1.0
Plural Delivery	1,157	54	10	44	1.7	0.9	0.5	1.0

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

Note: Included in the total for all ages are 15 births for which age of mother was not reported. The “plural delivery” row includes those births in each multiple birth that are second or higher birth position. For example, in a twin delivery, the first-born twin is included in the birth interval distribution (months since last live birth) and the second-born twin is included in the “plural delivery” row.

Race/Ethnicity of Mother

- In 2003, 54,831 births (78.3%) were to non-Hispanic white women. This percentage was about the same in 2002 (78.5%).
- 6,409 births (9.2%) were to non-Hispanic black women. The percent of births to black women has been fairly stable since 1993.
- 981 births (1.4%) were to American Indian women. This proportion has been stable for the past decade.
- 5,522 births (7.9%) were to Hispanic women. Since 1993, this group has represented an increasing proportion of births.
- 1,010 births (1.4%) were to Laotian/Hmong women.
- An additional 1,219 births (1.7%) were to women in other racial/ethnic groups (mostly Asian).

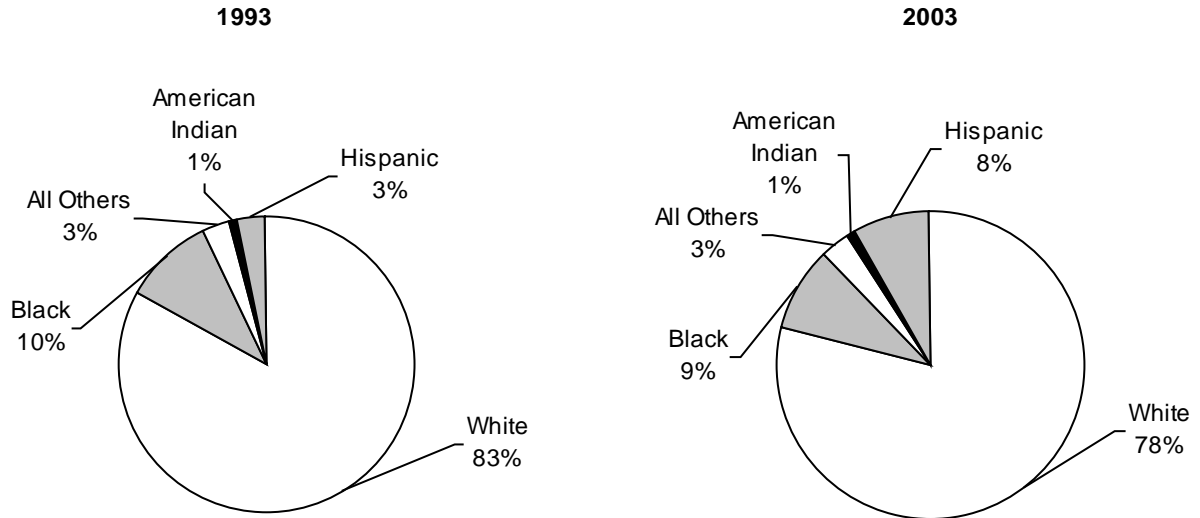
Number and Percent of Births by Race/Ethnicity, Wisconsin, 1993 and 2003

	1993		2003	
	Number	Percent	Number	Percent
Total	69,760	100.0%	69,999	100.0%
White	57,763	82.8	54,831	78.3
Black/African American	7,128	10.2	6,409	9.2
American Indian	837	1.2	981	1.4
Hispanic/Latino	2,173	3.1	5,522	7.9
Laotian/Hmong			1,010	1.4
Other			1,219	1.7
Unknown	12	0.0	27	0.0

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

Note: There are no comparable data for 1993 for the Laotian/Hmong and “other” groups.

Figure 6. Percent of Births by Race/Ethnicity of Mother, Wisconsin, 1993 and 2003

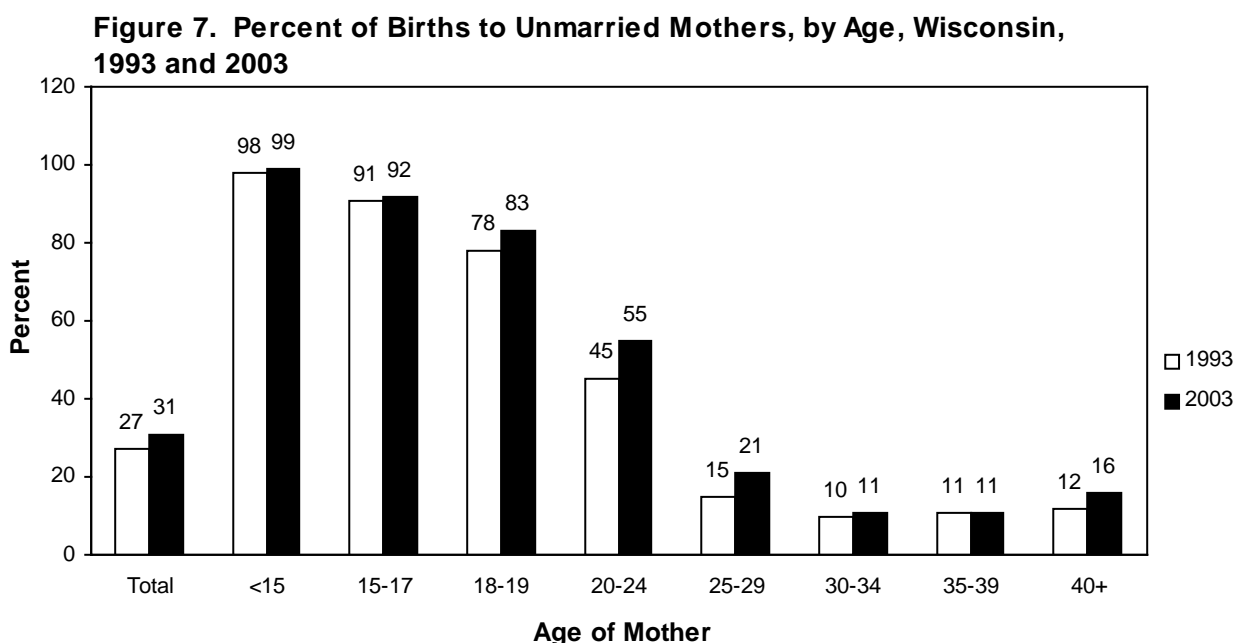


Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. For detailed information on 2003 births by race of mother, see Supplementary Tables B1 and B2, pages 86-89. Percents may not add to 100 due to rounding.

Marital Status of Mother

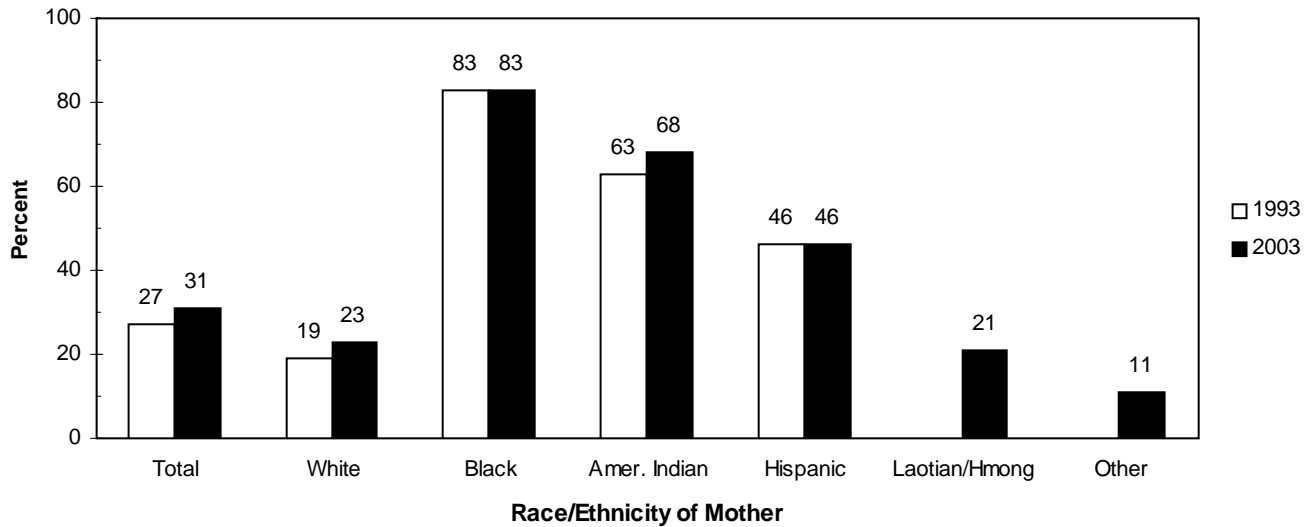
- In 2003, 31 percent of births were to unmarried women, compared with 27 percent in 1993.
- In general, the percent of births to mothers who are unmarried decreases with age. Eighty-three percent of those 18 to 19 years old giving birth in 2003 were unmarried, compared with only 11 percent of those aged 30-34.
- Between 1993 and 2003, the unmarried percentage increased in almost every maternal age group. The largest increase occurred among mothers aged 20-24 (from 45 to 55 percent—10 percentage points).



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

- From 1993 to 2003, the percent of non-marital births increased among whites and American Indians and remained stable among blacks and Hispanics.
- The Wisconsin percent of births to unmarried mothers in 2003 (31%) was lower than the national percent (34%). However, the percent of births to unmarried mothers was higher in Wisconsin than nationally among blacks (83% vs. 68%) and Hispanics (46% vs. 44%).

Figure 8. Percent of Births to Unmarried Mothers, by Race/Ethnicity, Wisconsin, 1993 and 2003



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

Notes: See Technical Notes for full definitions of race/ethnicity categories. There are no comparable 1993 data for the Laotian/Hmong or Other groups.

Education of Mother

- In 2003, 16 percent of women who gave birth had not finished high school (compared with 17 percent in 1993). This proportion varied by age so that the percentages with less than a high school education in 2003 were:

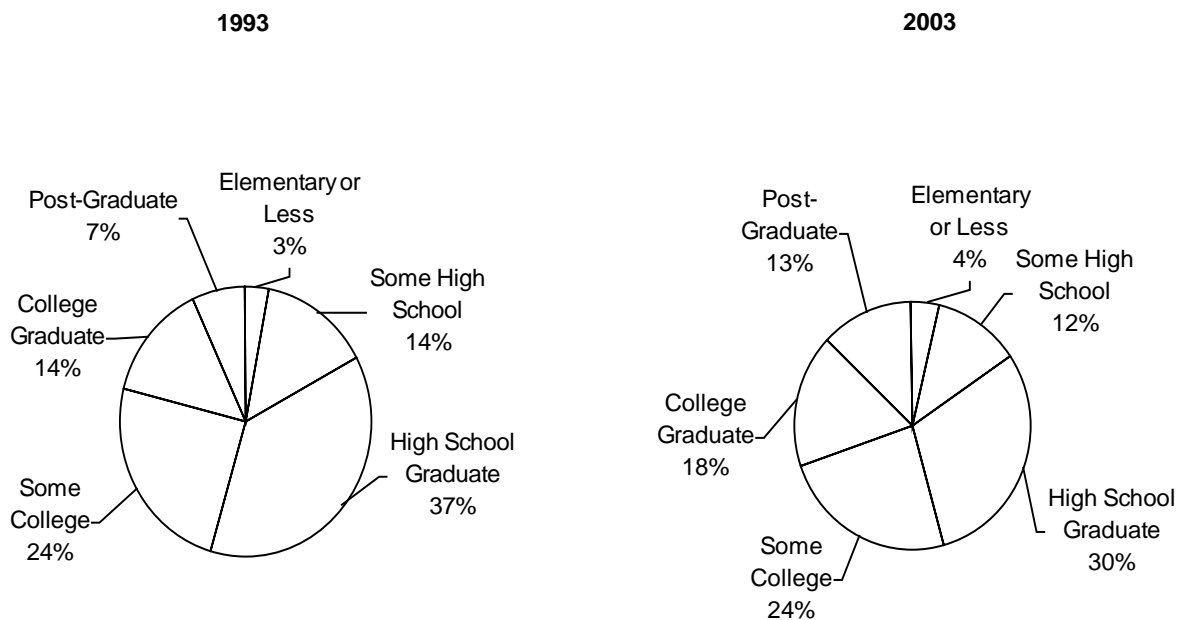
- 93% among mothers less than 18
- 42% among mothers 18-19
- 22% among mothers 20-24
- 10% among mothers 25-29
- 6% among mothers 30-34
- 6% among mothers 35-39
- 9% among mothers 40 or older

- On average, mothers in minority race/ethnicity groups were less likely to have completed high school. In 2003, the proportions of births to women with less than a high school education were:

- 9% among whites
- 38% among blacks
- 31% among American Indians
- 52% among Hispanics
- 32% among Laotian/Hmong
- 8% among other race/ethnicity groups

- Fifty-five percent of women who gave birth in 2003 had attended college for one year or more. The comparable percentage in 1993 was 45 percent.

Figure 9. Percent of Births by Education of Mother, Wisconsin, 1993 and 2003



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

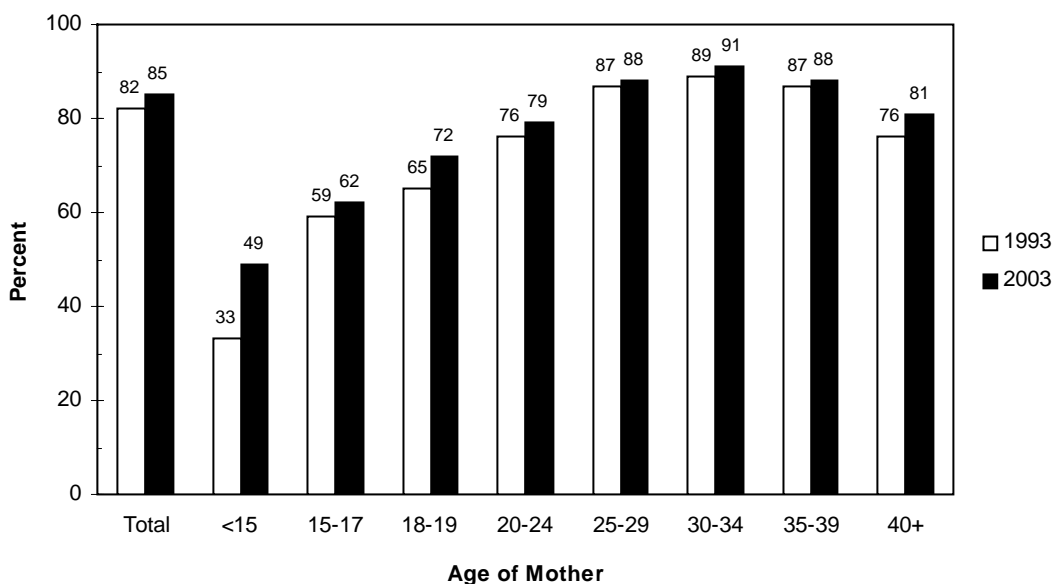
Notes: “Some High School” or “Some College” means the mother completed at least one year of schooling at that level. For detailed information on 2003 births by education of mother, see Supplementary Tables A-C, pages 84-91. Percents may not add to 100 due to rounding.

Characteristics of the Pregnancy and Delivery

Prenatal Care

- The overall proportion of women who received first-trimester prenatal care was 85 percent in 2003, compared with 82 percent in 1993.
- In 2,143 births in 2003, the mother either did not begin prenatal care until the third trimester of pregnancy (1,618 births) or received no care at all (525 births). These births with “late or no prenatal care” constituted 3.1 percent of all births (down from 3.6 percent in 1993).
- Teenage mothers and mothers age 40 and older were more likely to receive first-trimester care in 2003 than in 1993.
- The percent of Wisconsin women who received first-trimester prenatal care in 2003 (85%) was slightly higher than the 2002 national figure (84%).

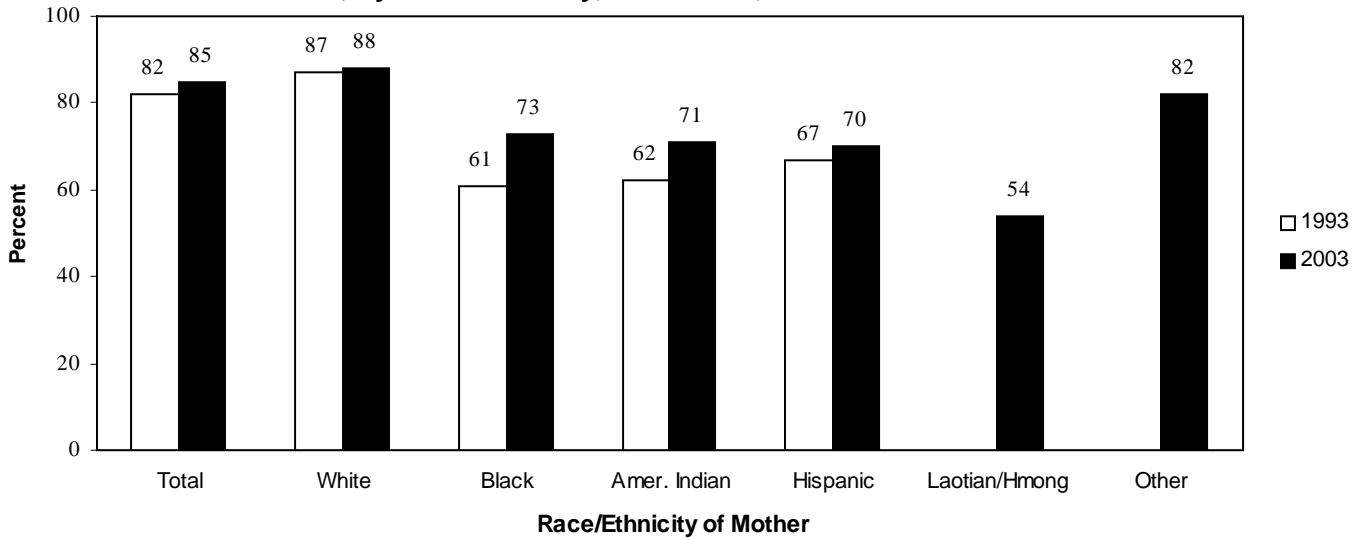
Figure 10. Percent of Births to Mothers Who Received First-Trimester Prenatal Care, by Age, Wisconsin, 1993 and 2003



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

- From 1993 to 2003, the proportion of women receiving first-trimester care increased within each race/ethnicity group. The increase was especially striking among African American and American Indian women.

Figure 11. Percent of Births to Mothers Who Received First-Trimester Prenatal Care, by Race/Ethnicity, Wisconsin, 1993 and 2003



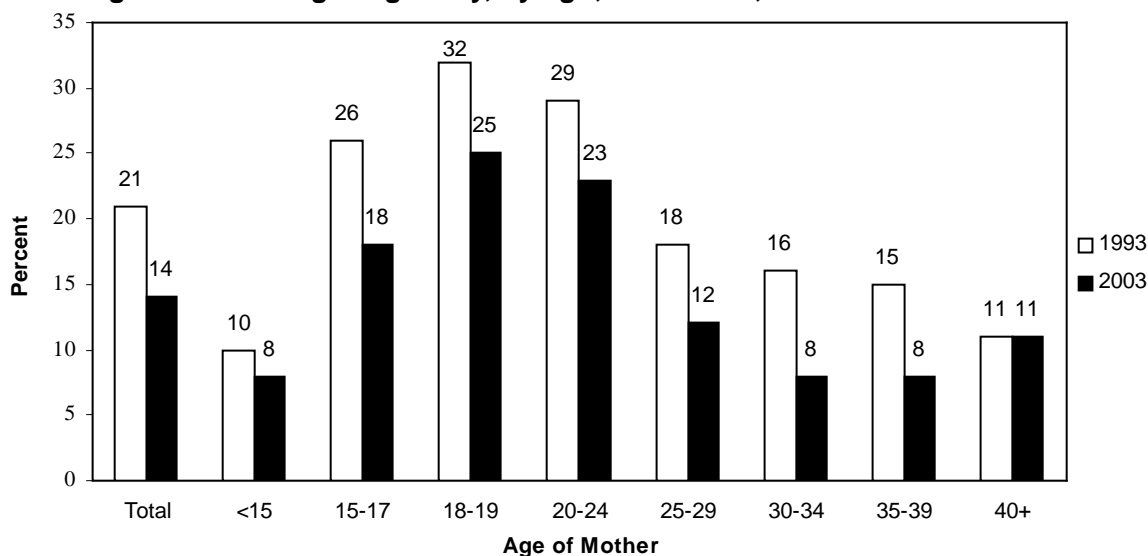
Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. There are no comparable 1993 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 they smoked during pregnancy decreased from 21 percent in 1993 to 14 percent in 2003 (15 percent in 2002).
- From 1993 to 2003, smoking during pregnancy declined in most maternal age groups. The only exception was found among the small group of mothers 40 years of age or older.

Figure 12. Percent of Births to Mothers Who Reported Smoking Cigarettes During Pregnancy, by Age, Wisconsin, 1993 and 2003

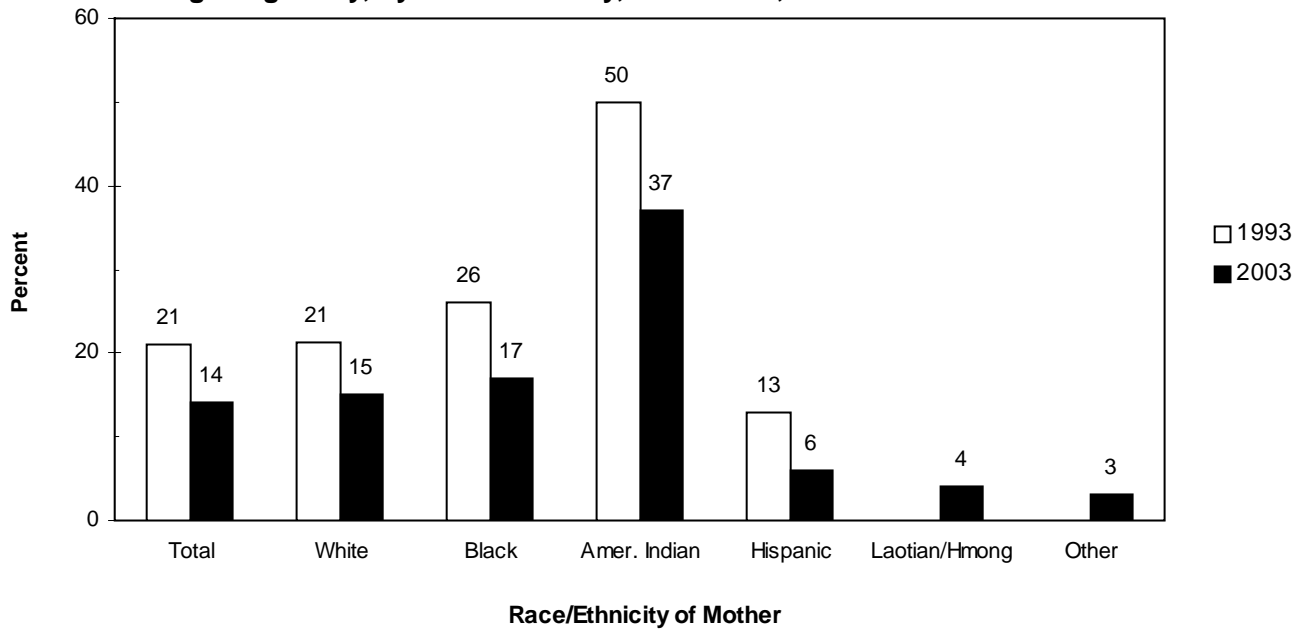


Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Notes: For detailed information on 2003 births by smoking behavior during pregnancy, see Supplementary Tables A-C, pages 84 to 91.

- From 1993 to 2003, 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 appears to be under-reported on the birth reporting form. This conclusion is based on the inconsistency between birth certificate data (1.0% of mothers reported drinking during pregnancy in 2003) and the 2002 Behavioral Risk Factor Survey (72% 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, Wisconsin, 1993 and 2003



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

Notes: See Technical Notes for full definitions of race/ethnicity categories. There are no comparable 1993 data available for the Laotian/Hmong or Other groups. For detailed information on 2003 births by smoking behavior during pregnancy, see Supplementary Tables A-C, pages 84 to 91.

Medical Risk Factors

The most frequently reported maternal medical risk factors reported for 2003 births were sexually transmitted diseases (reported in 5.7 percent of births), hypertension (6.1 percent), diabetes (4.2 percent), anemia (3.6 percent), and lung disease (3.5 percent).

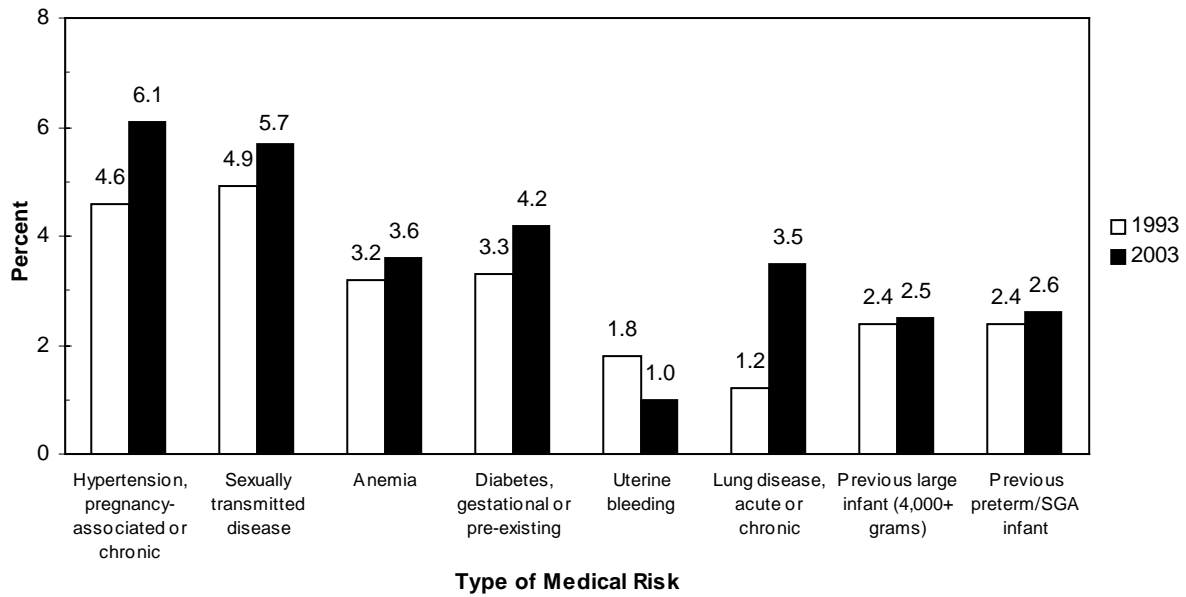
Births with Reported Medical Risk Factors, Wisconsin, 2003

	Number	Percent
Sexually Transmitted Diseases	3,968	5.7%
Hypertension	4,290	6.1
Pregnancy-Associated	3,640	5.2
Chronic	650	0.9
Diabetes	2,957	4.2
Gestational	2,562	3.7
Pre-Existing	395	0.6
Anemia	2,492	3.6
Lung Disease, Acute or Chronic	2,421	3.5
Previous Preterm/Small for Gestational Age Infant	1,804	2.6
Previous Large Infant (4,000+ grams)	1,720	2.5
Uterine Bleeding	702	1.0
Cardiac Disease	677	1.0
Hydramnios/Oligohydramnios	769	1.1
Renal Disease	385	0.6
Rh Sensitization	333	0.5
Eclampsia	240	0.3
Incompetent Cervix	226	0.3
Hemoglobinopathy	154	0.2
Any Reported	34,124	48.7

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

Notes: 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.

Figure 14. Percent of Births with Selected Maternal Medical Risk Factors, Wisconsin, 1993 and 2003



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

Methods of Delivery

In 2003, the following methods of delivery were reported:

Vaginal (no previous C-section)	52,593	75.1%
Primary C-Section	9,273	13.2
Repeat C-Section	6,072	8.7
Vaginal After Previous C-Section (VBAC)	1,101	1.6
Forceps	957	1.4
Other	3	0.0
Total	69,999	100.0%

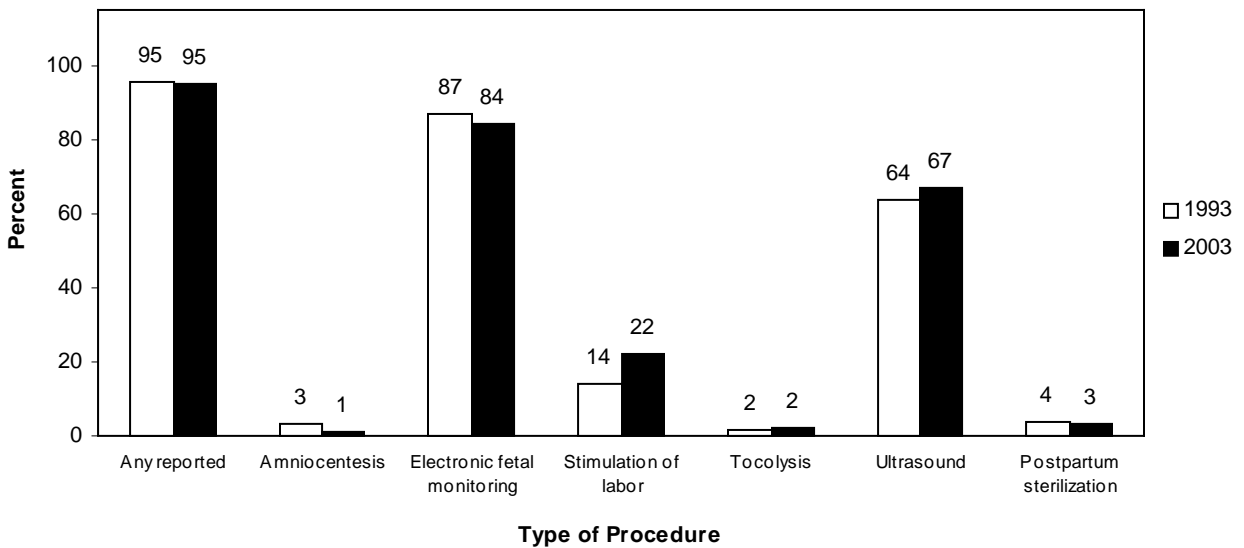
Obstetric Procedures

In 2003, births with reported obstetric procedures included:

Electronic fetal monitoring	58,611	83.7%
Ultrasound	46,833	66.9
Induction of labor	16,607	23.7
Stimulation of labor	15,508	22.2
Amniocentesis	913	1.3
Postpartum sterilization	2,054	2.9
Tocolysis	1,062	1.5
Other procedures	21	0.0
Births With Reported Procedure(s)	66,586	95.1

Notes: See Technical Notes for definitions of obstetric procedures. Each birth could have more than one type of procedure reported. Data on induction of labor were not presented in the 2001 and 2002 Wisconsin Births and Infant Deaths reports while coding and reporting processes were modified to address statistical discrepancies.

Figure 15. Percent of Births with Obstetric Procedures Reported, Wisconsin, 1993 and 2003



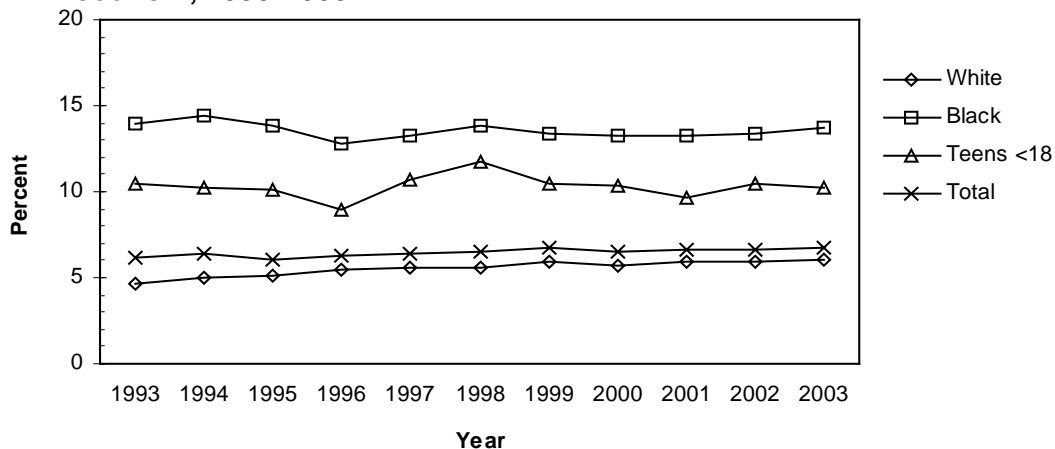
Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Characteristics of the Newborn

Low Birthweight

- In 2003, 4,773 Wisconsin infants were low birthweight; that is, they weighed less than 2,500 grams (about 5.5 pounds) at birth. This total represented 6.8 percent of all births (compared to 6.6 percent in 2002). In comparison, 7.8 percent of all infants born in the United States in 2002 weighed less than 2,500 grams.
- Among these low birthweight infants, 908 were born at *very* low birthweight (less than 1,500 grams or about 3.3 pounds) and were thus at the highest risk for health problems. The very low birthweight percentage was 1.3 percent among all births, and 1.1 percent of births to whites, 1.4 percent of births to Hispanics, 3.4 percent of births to blacks, 0.9 percent of births to American Indians, and 1.9 percent of births to Laotian/Hmong.
- Compared with the overall incidence of low birthweight in 2003 (6.8 percent), higher percentages of low-birthweight infants were born to:
 - Mothers who received no prenatal care (18.3 percent),
 - Non-Hispanic black women (13.7 percent),
 - Mothers less than 15 years old (11.8 percent),
 - Women who smoked during pregnancy (9.8 percent),
 - Women who were unmarried (9.1 percent),
 - Women with less than a high school education (8.5 percent).
- From 1993 to 2003, the low-birthweight percentage among infants born to mothers less than 18 years of age fluctuated from a low of 9.0 percent in 1996 to a high of 11.7 percent in 1998. In 2003, this percentage was 10.2 (compared with 6.7 among mothers age 18 and older).
- Forty-two percent of premature infants were of low birthweight (see page 90).
- Twins or other multiple births made up 26.1 percent of all low-birthweight births in 2003.

Figure 16. Percent of Births at Low Birthweight (< 2,500 grams), Wisconsin, 1993-2003

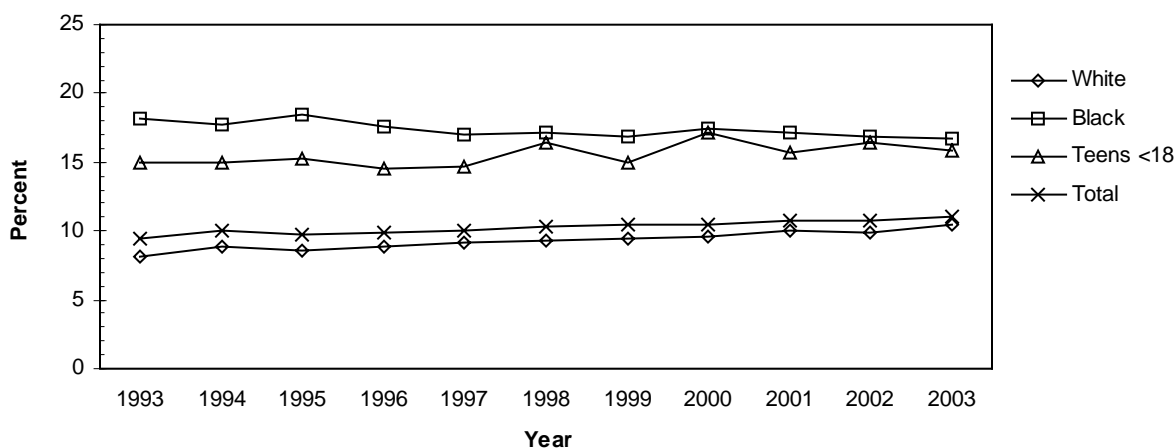


Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Prematurity

- In 2003, 7,696 Wisconsin infants were born prematurely (with a gestation of less than 37 weeks). This total represented 11.0 percent of all births (compared to 10.7 percent in 2002). (See Technical Notes, page 100, for full definition of prematurity.)
- Compared with the overall proportion of premature infants in 2003 (11.0 percent), higher percentages of premature infants were born to:
 - Non-Hispanic black women (16.7 percent),
 - Teenagers less than 18 years old (15.9 percent),
 - Women who were unmarried (13.0 percent),
 - Women who smoked during pregnancy (12.6 percent),
 - Women with less than a high school education (12.3 percent),
 - Laotian/Hmong women (11.5 percent).
- Sixty-eight percent of low birthweight infants (birthweight under 2,500 grams) were premature.
- Twins or other multiple births made up 17.3 percent of all premature births in 2003. From 1993 to 2003, multiple births increased from 2.5 percent to 3.3 percent of all births.
- Prematurity increased from 9.4 percent of all births in 1993 to 11.0 percent of all births in 2003.
- Prematurity among infants born to mothers less than 18 years of age was 15.9 percent in 2003, higher than the 1993 percent (15.0). (The prematurity rate among infants born to mothers 18 and older was 10.9 percent in 2003.)

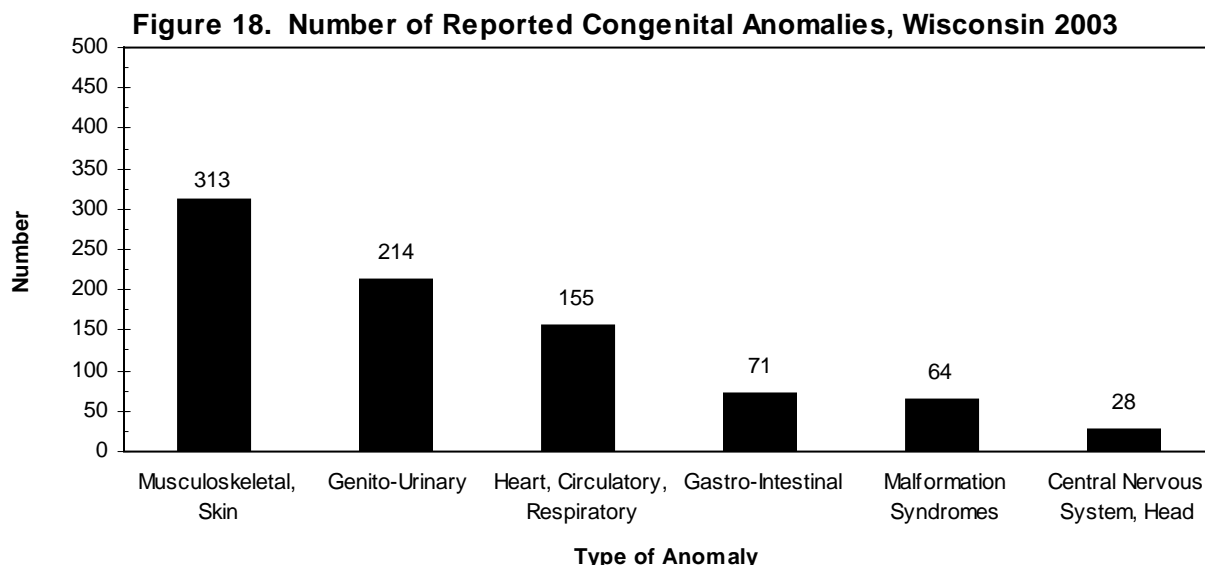
Figure 17. Percent of Premature Births, Wisconsin, 1993-2003



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

Note: 'Premature' means less than 37 weeks of gestation. Since 1980, gestational age has been calculated as the difference between the date of last normal menses and the date of delivery. Since 1993, clinical estimate of gestation has been substituted where date of last normal menses is unknown. Data for 1993 shown on this page were recalculated to make them comparable with data for subsequent years, and differ from previously published data.

Congenital Anomalies



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

Reported Congenital Anomalies, Wisconsin 2003

Total Births With Reported Anomalies	890	Genito-Urinary	214
		Malformed Genitalia	128
Central Nervous System, Head	28	Renal Agenesis	13
Anencephalus	5	Other Urogenital	77
Spina Bifida/Meningocele	9	Musculoskeletal/Skin	313
Hydrocephalus	3	Cleft Lip, Palate	73
Microcephalus	3	Polydactyly, Syndactyly, Adactyly	81
Other Central Nervous System	13	Club Foot	56
Heart, Circulatory, Respiratory	155	Diaphragmatic Hernia	4
Heart Malformations	104	Other Musculoskeletal/ Integumental	112
Other Circulatory/Respiratory	58	Malformation Syndromes	64
Gastro-Intestinal	71	Down Syndrome	45
Rectal Atresia, Stenosis	8	Other Chromosomal	19
Tracheo-Esophageal Fistula	12	All Other	129
Omphalocele, Gastroschisis	31		
Other Gastrointestinal	21		

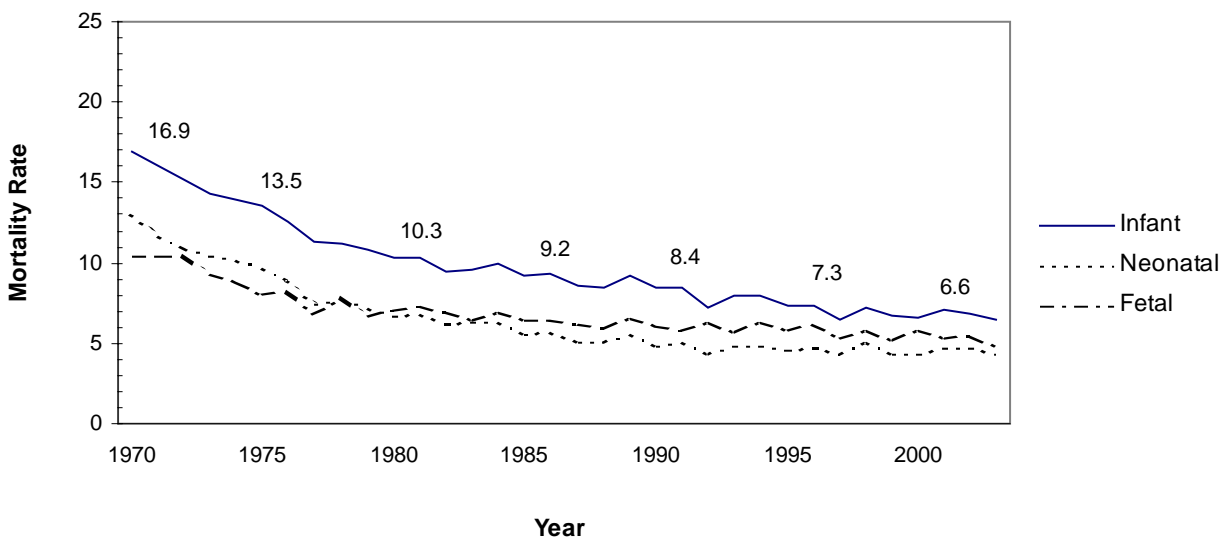
Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

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.

Mortality

- In Wisconsin, 454 infants under the age of one year died in 2003. The 2003 infant mortality rate was 6.5 infant deaths per 1,000 live births, compared to 6.9 in 2002 and 7.9 in 1993. The 2001 U.S. infant mortality rate (the latest available data) was 6.8 infant deaths per 1,000 live births.
- There were 309 neonatal deaths (deaths of infants less than 28 days of age) in 2003, accounting for 68 percent of total infant deaths that year. The neonatal mortality rate in 2003 was 4.4 neonatal deaths per 1,000 live births, compared with 4.7 in 2002 and 4.7 in 1993. In the U.S. in 2001 (the latest available data), the neonatal mortality rate was 4.5 per 1,000 live births.
- The fetal death rate (fetal deaths per 1,000 live births and fetal deaths) was 4.9 in 2003. In comparison, the fetal death rate for 1993 was 5.7 per 1,000. (For the definition of “fetal death,” see Technical Notes, page 100.)
- The black infant mortality rate for 2003 was 15.3 deaths per 1,000 births to black mothers, compared to 18.3 in 2002 and 14.9 in 1993. The 2003 white infant mortality rate was 5.3 deaths per 1,000 births to white women, compared to 5.5 in 2002 and 7.0 in 1993. The Hispanic infant mortality rate for 2003 was 6.9 deaths per 1,000 births to Hispanic women, similar to the rate for 2002 (6.6). There were too few Hispanic infant deaths in 1993 to present a rate.

Figure 19. Infant, Neonatal, and Fetal Mortality Rates, 1970-2003



Source: Resident birth certificates, matched birth-death file, and fetal death file, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

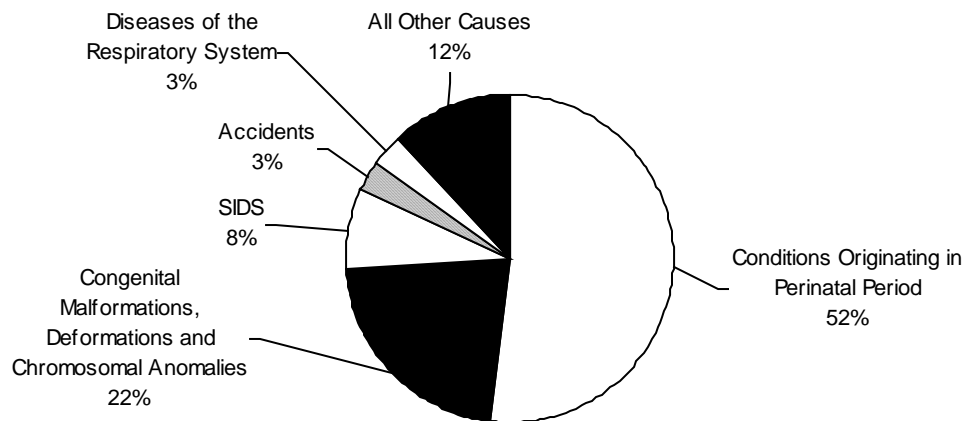
Notes: An infant death is one that occurs before one year of age. The infant death rate is the number of resident infant deaths divided by total resident live births times 1,000. For detailed information on 2003 infant, neonatal and fetal deaths, see Supplementary Table D, pages 94-95.

- Infants born to teenagers are at a higher risk of death than infants born to older mothers. In 2003, the infant mortality rate was 12.0 per 1,000 births among infants born to mothers aged less than 20, compared with 5.9 per 1,000 among infants born to women aged 20 and older.
- There were 9 maternal deaths in 2003; these are deaths attributed to pregnancy-related health conditions or events of delivery.

Causes of Infant Death

- “Conditions originating in the perinatal period” accounted for 52 percent of infant deaths in 2003. 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 malformations, deformations and chromosomal anomalies accounted for 22 percent of infant deaths in 2003.
- Eight percent of infant deaths in 2003 were attributed to Sudden Infant Death Syndrome (SIDS).

Figure 20. Leading Causes of Infant Death, 2003



Source: Matched birth-death file, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Beginning with 1999 data, causes of death have been coded using the International Classification of Diseases, Tenth Revision (ICD 10). This may affect comparability with previous years for some categories of death. See Technical Notes, page 100.

Table 1. Population, Births by Sex, Crude and General Fertility Rates by County of Residence, Wisconsin 2003

County	Population Estimate	Total Births	Male	Female	Crude Birth Rate	General Fertility Rate
Total	5,498,354	69,999	35,710	34,289	12.7	60.4
Adams	20,575	161	82	79	7.8	52.9
Ashland	16,847	208	114	94	12.3	59.3
Barron	45,977	540	275	265	11.7	61.2
Bayfield	15,352	111	66	45	7.2	42.9
Brown	235,466	3,364	1,724	1,640	14.3	64.4
Buffalo	13,942	150	82	68	10.8	57.7
Burnett	16,245	138	75	63	8.5	53.1
Calumet	43,784	640	317	323	14.6	68.9
Chippewa	57,852	681	344	337	11.8	60.7
Clark	34,107	532	270	262	15.6	82.2
Columbia	54,181	646	323	323	11.9	61.3
Crawford	17,285	224	119	105	13.0	72.8
Dane	448,454	5,725	2,935	2,790	12.8	52.7
Dodge	87,664	963	491	472	11.0	57.5
Door	28,778	265	143	122	9.2	56.1
Douglas	43,790	501	258	243	11.4	54.8
Dunn	41,386	470	252	218	11.4	48.3
Eau Claire	95,432	1,110	568	542	11.6	48.5
Florence	5,162	37	18	19	7.2	42.1
Fond du Lac	98,881	1,209	607	602	12.2	58.3
Forest	10,096	122	53	69	12.1	70.0
Grant	50,052	584	272	312	11.7	59.1
Green	34,702	397	199	198	11.4	58.6
Green Lake	19,265	231	105	126	12.0	68.2
Iowa	23,421	308	162	146	13.2	64.4
Iron	6,870	53	25	28	7.7	45.6
Jackson	19,584	231	120	111	11.8	66.5
Jefferson	77,858	980	507	473	12.6	57.8
Juneau	25,276	285	132	153	11.3	61.6
Kenosha	155,510	2,160	1,089	1,071	13.9	63.1
Kewaunee	20,654	255	131	124	12.3	62.5
La Crosse	109,005	1,247	647	600	11.4	48.6
Lafayette	16,302	173	93	80	10.6	54.5
Langlade	21,031	212	105	107	10.1	55.8
Lincoln	30,126	284	147	137	9.4	49.9
Manitowoc	83,454	867	445	422	10.4	53.9

(Continued)

Table 1. Population, Births by Sex, Crude and General Fertility Rates by County of Residence, Wisconsin 2003

County	Population Estimate	Total Births	Male	Female	Crude Birth Rate	General Fertility Rate
Marathon	128,649	1,546	818	728	12.0	58.9
Marinette	43,805	458	236	222	10.5	55.9
Marquette	14,931	165	94	71	11.1	64.1
Menominee	4,613	90	45	45	19.5	96.4
Milwaukee	937,963	14,793	7,517	7,276	15.8	70.3
Monroe	42,157	624	322	302	14.8	75.9
Oconto	37,288	392	200	192	10.5	54.3
Oneida	37,458	301	142	159	8.0	46.2
Outagamie	167,838	2,255	1,159	1,096	13.4	61.2
Ozaukee	84,809	874	455	419	10.3	53.6
Pepin	7,487	79	40	39	10.6	57.2
Pierce	38,207	481	247	234	12.6	51.4
Polk	43,449	477	256	221	11.0	58.0
Portage	68,332	772	408	364	11.3	48.6
Price	15,747	123	71	52	7.8	45.7
Racine	191,739	2,539	1,272	1,267	13.2	64.2
Richland	18,117	205	107	98	11.3	60.3
Rock	154,974	2,055	1,028	1,027	13.3	63.4
Rusk	15,374	170	78	92	11.1	62.1
St. Croix	71,200	1,018	535	483	14.3	65.7
Sauk	57,528	730	383	347	12.7	63.4
Sawyer	16,827	157	73	84	9.3	55.6
Shawano	41,480	479	261	218	11.5	61.0
Sheboygan	114,504	1,376	721	655	12.0	60.7
Taylor	19,713	242	116	126	12.3	62.6
Trempealeau	27,558	338	168	170	12.3	64.3
Vernon	28,696	409	208	201	14.3	78.8
Vilas	21,889	186	88	98	8.5	54.5
Walworth	96,500	1,160	602	558	12.0	57.0
Washburn	16,601	183	95	88	11.0	66.1
Washington	122,392	1,489	733	756	12.2	58.7
Waukesha	372,876	4,311	2,212	2,099	11.6	58.1
Waupaca	52,878	596	297	299	11.3	59.1
Waushara	24,364	247	128	119	10.1	61.5
Winnebago	160,179	1,745	858	887	10.9	49.5
Wood	75,861	870	442	428	11.5	57.9

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

Notes: 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 United States Census Bureau and the Wisconsin Department of Administration, Demographic Services Center. These estimates are provisional and subject to revision.

Table 2. Population, Births and Crude Birth Rate by Selected Places of Residence, Wisconsin 2003

City	Population Estimate	Births	Crude Birth Rate
Appleton	71,649	1,292	18.0
Beloit	35,826	593	16.6
Brookfield	39,371	231	5.9
Caledonia (T)	24,407	151	6.2
De Pere	21,529	312	14.5
Eau Claire	63,882	775	12.1
Fitchburg	21,595	190	8.8
Fond du Lac	42,856	640	14.9
Franklin	31,467	310	9.9
Green Bay	103,233	1,942	18.8
Greenfield	36,000	310	8.6
Janesville	61,110	909	14.9
Kenosha	92,078	1,778	19.3
La Crosse	51,513	603	11.7
Madison	215,697	3,097	14.4
Manitowoc	34,520	440	12.7
Menomonee Falls (V)	33,489	402	12.0
Mequon/Thiensville	26,442	203	7.7
Milwaukee	595,245	11,157	18.7
Mount Pleasant (T)	23,882	93	3.9
Muskego	22,054	228	10.3
Neenah/Menasha	41,706	642	15.4
New Berlin	38,804	410	10.6
Oak Creek	30,856	412	13.4
Oshkosh	64,327	730	11.3
Racine	81,111	1,677	20.7
Sheboygan	50,603	769	15.2
South Milwaukee	21,374	247	11.6
Stevens Point	25,056	310	12.4
Sun Prairie	22,585	398	17.6
Superior	27,224	360	13.2
Watertown	22,585	382	16.9
Waukesha	66,807	1,167	17.5
Wausau	38,848	542	14.0
Wauwatosa	46,802	570	12.2
West Allis	60,923	662	10.9
West Bend	29,001	448	15.4

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

Notes: The crude birth rate is the number of resident live births divided by the resident population times 1,000.

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

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2003

STATE TOTAL	69,999	CHIPPEWA	681	Waunakee (V)	142
Urban*	55,545	Bloomer (C)	48	Westport (T)	12
Balance of State	14,454	Chippewa Falls (C)	203	Windsor (T)	49
		Eagle Point (T)	27	Balance of County	381
ADAMS	161	Eau Claire (C) (Pt.)	31		
Rome (T)	9	Hallie (T)	52	DODGE	963
Balance of County	152	Lafayette (T)	42	Beaver Dam (C)	250
		Balance of County	278	Beaver Dam (T)	23
ASHLAND	208			Columbus (C) (Pt.)	6
Ashland (C)	107	CLARK	532	Fox Lake (T)	5
Balance of County	101	Neillsville (C)	46	Hartford (C) (Pt.)	2
		Balance of County	486	Horicon (C)	46
BARRON	540			Juneau (C)	26
Barron (C)	52	COLUMBIA	646	Mayville (C)	61
Rice Lake (C)	119	Columbus (C)	86	Watertown (C) (Pt.)	120
Rice Lake (T)	23	Lodi (C)	36	Waupun (C) (Pt.)	75
Balance of County	346	Lodi (T)	40	Balance of County	349
		Pacific (T)	21		
BAYFIELD	111	Portage (C)	139	DOOR	265
		Balance of County	324	Sevastopol (T)	7
BROWN	3,364			Sturgeon Bay (C)	123
Allouez (V)	133	CRAWFORD	224	Balance of County	135
Ashwaubenon (V)	134	Prairie du Chien (C)	84		
Bellevue (T)	117	Balance of County	140	DOUGLAS	501
De Pere (C)	312			Superior (C)	360
Green Bay (C)	1,942	DANE	5,725	Balance of County	141
Hobart (V)	30	Bristol (T)	27		
Howard (V)	166	Burke (T)	18	DUNN	470
Ledgeview (T)	15	Cottage Grove (V)	24	Menomonie (C)	147
Pittsfield (T)	20	Cottage Grove (T)	100	Menomonie (T)	33
Pulaski (V) (Pt.)	52	Cross Plains (V)	49		290
Scott (T)	38	De Forest (V)	114	Balance of County	1,110
Suamico (T)	102	Dunn (T)	18		
Balance of County	303	Edgerton (C)	8	EAU CLAIRE	88
		Fitchburg (C)	190	Altoona (C)	744
BUFFALO	150	Madison (C)	3,097	Eau Claire (C) (Pt.)	33
Mondovi (C)	29	Madison (T)	25	Pleasant Valley (T)	26
Balance of County	121	Marshall (V)	72	Seymour (T)	48
		McFarland (V)	81	Washington (T)	171
BURNETT	138	Middleton (C)	197	Balance of County	37
		Middleton (T)	27		
CALUMET	640	Monona (C)	70	FLORENCE	
Appleton (C) (Pt.)	188	Mount Horeb (V)	108		
Brillion (C)	33	Oregon (T)	22	FOND DU LAC	1,209
Chilton (C)	47	Oregon (V)	119	Empire (T)	11
Harrison (T)	127	Pleasant Springs (T)	17	Fond du Lac (C)	640
Kiel (C) (Pt.)	6	Springfield (T)	12	North Fond du Lac (V)	60
Menasha (C) (Pt.)	42	Stoughton (C)	208	Ripon (C)	86
New Holstein (C)	43	Sun Prairie (C)	398	Taycheedah (T)	34
Balance of County	154	Verona (C)	140	Waupun (C) (Pt.)	35
				Balance of County	343

* Sum of unincorporated places having a population of 2,500 or more according to 2003 population estimates provided by the Wisconsin Department of Administration, Demographic Services Center.

(Continued)

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2003

FOREST	122	Randall (T)	12	Weston (V)	124
		Salem (T)	72	Balance of County	644
GRANT	584	Somers (T)	14	MARINETTE	458
Boscobel (C)	41	Twin Lakes (V)	75	Marinette (C)	146
Lancaster (C)	69	Wheatland (T)	24	Peshtigo (C)	47
Platteville (C)	95	Balance of County	35	Peshtigo (T)	33
Balance of County	379	KEWAUNEE	255	Stephenson (T)	11
GREEN	397	Algoma (C)	38	Balance of County	221
Brodhead (C)	54	Kewaunee (C)	46	MARQUETTE	165
Monroe (C)	118	Balance of County	171	MENOMINEE	90
Balance of County	225	LA CROSSE	1,247	Menominee (T)	89
GREEN LAKE	231	Campbell (T)	22	Balance of County	1
Berlin (C) (Pt.)	88	Holland (T)	14	MILWAUKEE	14,793
Balance of County	143	Holmen (V)	115	Bayside (V)(Pt.)	24
IOWA	308	La Crosse (C)	603	Brown Deer (V)	109
Dodgeville (C)	73	Onalaska (C)	235	Cudahy (C)	185
Mineral Point (C)	36	Onalaska (T)	47	Fox Point (V)	63
Balance of County	199	Shelby (T)	27	Franklin (C)	310
IRON	53	West Salem (V)	65	Glendale (C)	117
		Balance of County	119	Greendale (V)	122
JACKSON	231	LAFAYETTE	173	Greenfield (C)	310
Black River Falls (C)	71	LANGLADE	212	Hales Corners (V)	62
Brockway (T)	17	Antigo (C)	120	Milwaukee (C) (Pt.)	11,151
Balance of County	143	Balance of County	92	Oak Creek (C)	412
JEFFERSON	980	LINCOLN	284	Shorewood (V)	116
Ft. Atkinson (C)	181	Bradley (T)	14	South Milwaukee (C)	247
Ixonia (T)	31	Merrill (C)	139	St. Francis (C)	79
Jefferson (C)	109	Merrill (T)	19	Wauwatosa (C)	570
Koshkonong (T)	19	Tomahawk (C)	43	West Allis (C)	662
Lake Mills (C)	73	Balance of County	69	West Milwaukee (V)	31
Oakland (T)	19	MANITOWOC	867	Whitefish Bay (V)	210
Waterloo (C)	39	Kiel (C) (Pt.)	39	Balance of County	13
Watertown (C) (Pt.)	262	Manitowoc (C)	440	MONROE	624
Whitewater (C) (Pt.)	13	Manitowoc Rapids (T)	6	Sparta (C)	165
Balance of County	234	Two Rivers (C)	97	Sparta (T)	23
JUNEAU	285	Balance of County	285	Tomah (C)	167
Mauston (C)	72	MARATHON	1,546	Balance of County	269
Balance of County	213	Kronenwetter (V)	48	OCONTO	392
KENOSHA	2,160	Marshfield (C) (Pt.)	5	Little Suamico (T)	57
Bristol (T)	23	Mosinee (C)	97	Oconto (C)	68
Kenosha (C)	1,778	Rib Mountain (T)	46	Oconto Falls (C)	39
Paddock Lake (V)	21	Rothschild (V)	40		
Pleasant Prairie (V)	106	Wausau (C)	542		

(Continued)

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2003

Pulaski (V) (Pt.)	1	Amery (C)	55	RUSK	170
Balance of County	227	Osceola (V)	38	Ladysmith (C)	49
ONEIDA	301	Osceola (T)	40	Balance of County	121
Minocqua (T)	32	Balance of County	319	ST.CROIX	1,018
Newbold (T)	19	PORTAGE	772	Baldwin (V)	50
Pelican (T)	22	Hull (T)	31	Hudson (C)	266
Pine Lake (T)	21	Plover (V)	156	Hudson (T)	79
Rhineland (C)	95	Stevens Point (C)	310	New Richmond (C)	140
Balance of County	112	Stockton (T)	29	North Hudson (V)	10
OUTAGAMIE	2,255	Balance of County	246	River Falls (C) (Pt.)	40
Appleton (C) (Pt.)	1,067	PRICE	123	Somerset (T)	60
Buchanan (T)	56	Park Falls (C)	29	St. Joseph (T)	21
Center (T)	16	Balance of County	94	Star Prairie (T)	28
Combined Locks (V)	47	RACINE	2,539	Troy (T)	14
Ellington (T)	25	Burlington (C) (Pt.)	140	Balance of County	310
Freedom (T)	68	Burlington (T)	74	SAUK	730
Grand Chute (T)	90	Caledonia (T)	151	Baraboo (C)	194
Greenville (T)	101	Dover (T)	19	Prairie du Sac (V)	49
Kaukauna (C)	193	Mt. Pleasant (T)	93	Reedsburg (C)	121
Kimberly (V)	82	Norway (T)	51	Sauk City (V)	48
Little Chute (V)	121	Racine (C)	1,677	Balance of County	318
New London (C) (Pt.)	33	Raymond (T)	19	SAWYER	157
Oneida (T)	56	Sturtevant (V)	41	Hayward (T)	30
Seymour (C)	58	Union Grove (V)	77	Balance of County	127
Balance of County	242	Waterford (T)	70	SHAWANO	479
OZAUKEE	874	Waterford (V)	81	Pulaski (V) (Pt.)	4
Cedarburg (C)	124	Yorkville (T)	10	Shawano (C)	113
Cedarburg (T)	50	Balance of County	36	Wescott (T)	29
Grafton (T)	48	RICHLAND	205	Balance of County	333
Grafton (V)	134	Richland Center (C)	78	SHEBOYGAN	1,376
Mequon (C)	180	Balance of County	127	Greenbush (T)	16
Port Washington (C)	116	ROCK	2,055	Holland (T)	15
Saukville (V)	46	Beloit (C)	593	Howards Grove (V)	36
Thiensville (V)	23	Beloit (T)	53	Lima (T)	19
Balance of County	153	Brodhead (C) (Pt.)	1	Oostburg (V)	45
PEPIN	79	Edgerton (C)	95	Plymouth (C)	108
PIERCE	481	Evansville (C)	93	Plymouth (T)	28
Ellsworth (V)	22	Fulton (T)	20	Sheboygan (C)	769
Prescott (C)	76	Janesville (C)	909	Sheboygan (T)	56
River Falls (C) (Pt.)	135	Janesville (T)	17	Sheboygan Falls (C)	69
Balance of County	248	Milton (C)	77	Wilson (T)	19
POLK	477	Milton (T)	16	Balance of County	196
Alden (T)	25	Rock (T)	13		
		Balance of County	168		

(Continued)

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2003

TAYLOR	242	Erin (T)	33	Vernon (T)	39
Medford (C)	53	Farmington (T)	26	Wales (V)	22
Balance of County	189	Germantown (V)	187	Waukesha (C)	1,167
		Hartford (C) (Pt.)	208	Waukesha (T)	73
TREMPEALEAU	338	Hartford (T)	42	Balance of County	217
		Jackson (T)	46		
VERNON	409	Jackson (V)	77	WAUPACA	596
Viroqua (C)	75	Kewaskum (V)	63	Clintonville (C)	66
Balance of County	334	Milwaukee (C) (Pt.)	3	Dayton (T)	18
		Polk (T)	12	Farmington (T)	26
VILAS	186	Richfield (T)	87	Mukwa (T)	12
Arbor Vitae (T)	21	Slinger (V)	59	New London (C) (Pt.)	105
Lac du Flambeau (T)	61	Trenton (T)	30	Waupaca (C)	109
Lincoln (T)	2	West Bend (C)	448	Balance of County	260
Balance of County	102	West Bend (T)	39		
		Balance of County	85	WAUSHARA	247
WALWORTH	1,160			Berlin (C) (Pt.)	11
Bloomfield (T)	34	WAUKESHA	4,311	Balance of County	236
Burlington (C) (Pt.)	11	Brookfield (C)	231		
Delavan (C)	140	Brookfield (T)	114	WINNEBAGO	1,745
Delavan (T)	51	Delafield (C)	36	Algoma (T)	41
East Troy (T)	65	Delafield (T)	50	Appleton (C) (Pt.)	37
East Troy (V)	67	Eagle (T)	39	Clayton (T)	26
Elkhorn (C)	187	Elm Grove (V)	44	Menasha (C) (Pt.)	230
Geneva (T)	27	Genesee (T)	40	Menasha (T)	107
Lake Geneva (C)	134	Hartland (V)	152	Neenah (C)	370
Lyons (T)	27	Lisbon (T)	66	Neenah (T)	23
Mukwonago (V) (Pt.)	1	Menomonee Falls (V)	402	Omro (C)	39
Sugar Creek (T)	30	Merton (T)	39	Oshkosh (C)	730
Whitewater (C) (Pt.)	83	Mukwonago (T)	88	Oshkosh (T)	12
Williams Bay (V)	30	Mukwonago (V)	83	Balance of County	130
Balance of County	273	Muskego (C)	228		
		New Berlin (C)	410	WOOD	870
WASHBURN	183	Oconomowoc (C)	244	Grand Rapids (T)	54
Spooner (C)	42	Oconomowoc (T)	64	Marshfield (C) (Pt.)	244
Balance of County	141	Ottawa (T)	16	Nekoosa (C)	50
		Pewaukee (C)	128	Saratoga (T)	23
WASHINGTON	1,489	Pewaukee (V)	119	Wisconsin Rapids (C)	275
Addison (T)	30	Summit (T)	32	Balance of County	224
Barton (T)	14	Sussex (V)	165		

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

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

Table 4. Births by County, City and Hospital of Occurrence, Wisconsin 2003

County	City	Hospital	Births
Ashland	Ashland	Memorial Medical Center	290
Barron	Cumberland	Cumberland Memorial Hospital	89
	Rice Lake	Lakeview Medical Center	481
	Barron	Barron Memorial Medical Center	76
Brown	Green Bay	Aurora Baycare Medical Center	1,123
	Green Bay	Bellin Health System	1,348
	Green Bay	St Marys Hospital Medical Center	589
	Green Bay	St Vincent Hospital	1,403
Burnett	Grantsburg	Burnett Medical Center, Inc.	42
Calumet	Chilton	Calumet Medical Center	1
Chippewa	Chippewa Falls	St Josephs Hospital	444
	Stanley	Our Lady Of Victory Hospital	1
Clark	Neillsville	Memorial Hospital, Inc.	51
Columbia	Columbus	Columbus Community Hospital, Inc.	105
	Portage	Divine Savior Healthcare	243
Crawford	Prairie du Chien	Prairie Du Chien Memorial Hospital	168
Dane	Madison	Meriter Hospital, Inc	3,442
	Madison	St Marys Hospital Medical Center	3,375
Dodge	Beaver Dam	Beaver Dam Community Hospital	389
	Watertown	Watertown Memorial Hospital	336
	Waupun	Waupun Memorial Hospital	85
Door	Sturgeon Bay	Door Coounty Memorial Hospital	192
Douglas	Superior	St Marys Hospital Of Superior	1
Dunn	Menomonie	Myrtle Werth Hospital	272
Eau Claire	Eau Claire	Luther Hospital	686
	Eau Claire	Sacred Heart Hospital	1,126
Fond du Lac	Fond du Lac	St. Agnes Hospital	1,031
	Ripon	Ripon Medical Center	1
Grant	Boscobel	Boscobel Area Health Care	66
	Lancaster	Grant Regional Health Center, Inc.	93
	Platteville	Southwest Health Center	181
Green	Monroe	The Monroe Clinic	383
Green Lake	Berlin	Berlin Memorial Hospital	220
Iowa	Dodgeville	Upland Hills Health, Inc.	287
Jackson	Black River Falls	Black River Memorial Hospital	160
Jefferson	Fort Atkinson	Fort Atkinson Memorial Hospital	463
Juneau	Mauston	Hess Memorial Hospital	205
Kenosha	Kenosha	Aurora Medical Center	1,034
	Kenosha	United Hospital Systems-Keno Med Ctr Camp	791
La Crosse	La Crosse	Gundersen Lutheran Medical Center	1,586
	La Crosse	Franciscan Skemp Healthcare	718
Lafayette	Darlington	Memorial Hospital Of Lafayette County	37
Langlade	Antigo	Langlade Memorial Hospital	204
Lincoln	Merrill	Good Samaritan Health Center	123
	Tomahawk	Sacred Heart Hospital	1
Manitowoc	Manitowoc	Holy Family Memorial Medical Center	429
	Two Rivers	Aurora Medical Center	272
Marathon	Wausau	Wausau Hospital	1,462

(Continued)

Table 4. Births by County, City and Hospital of Occurrence, Wisconsin 2003

County	City	Hospital	Births
Marinette	Marinette	Bay Area Medical Center	439
Milwaukee	Milwaukee	The Columbia Center	796
	Milwaukee	Aurora Sinai Medical Center, Inc.	2,658
	Milwaukee	St. Francis Hospital	1,408
	Milwaukee	St. Josephs Regional Medical Center	3,806
	Milwaukee	St. Marys Hospital	3,020
	Milwaukee	St. Michaels Hospital	696
	Wauwatosa	Froedert Memorial Lutheran Hospital	1,342
	West Allis	West Allis Memorial Hospital	2,492
	Monroe	Sparta	Franciscan Skemp Healthcare-Sparta
Tomah		Tomah Memorial Hospital, Inc.	266
Oconto	Oconto Falls	Community Memorial Hospital	53
Oneida	Rhineland	Sacred Heart-St Marys Hospital, Inc.	390
	Woodruff	Howard Young Medical Center	322
Outagamie	Appleton	Appleton Medical Center	1,202
	Appleton	St Elizabeth Hospital	1,358
	New London	New London Family Medical Center	113
Ozaukee	Mequon	St Marys Hospital-Ozaukee	799
Polk	Amery	Amery Regional Medical Center	154
	Osceola	Osceola Medical Center	91
	Saint Croix	St Croix Regional Medical Center	266
Portage	Stevens Point	St. Michaels Hospital	717
Price	Park Falls	Flambeau Hospital, Inc.	67
Racine	Burlington	Memorial Hospital Of Burlington	414
	Racine	All Saints-St. Lukes Health Pavilion	1,836
Richland	Richland Center	The Richland Hospital	180
Rock	Beloit	Beloit Memorial Hospital, Inc.	708
	Janesville	Mercy Health System	1,282
Rusk	Ladysmith	Rusk County Memorial Hospital	82
Sauk	Baraboo	St Clare Hospital And Health Services	313
	Prairie du Sac	Sauk Prairie Memorial Hospital	248
	Reedsburg	Reedsburg Area Medical Center	231
Sawyer	Hayward	Hayward Area Memorial Hospital	149
Shawano	Shawano	Shawano Medical Center	342
Sheboygan	Plymouth	Aurora Valley View Medical Center	138
	Sheboygan	Aurora Sheboygan Memorial Medical Center	1,009
	Sheboygan	St. Nicholas Hospital	320
St.Croix	Baldwin	Baldwin Area Medical Center	107
	Hudson	Hudson Hospital	241
	New Richmond	Holy Family Hospital	149
	River Falls	River Falls Area Hospital	247
Taylor	Medford	Memorial Health Center, Inc.	176
Trempealeau	Arcadia	Franciscan Skemp Healthcare-Arcadia	50
Vernon	Hillsboro	St Josephs Community Health Services	16
	Viroqua	Vernon Memorial Hospital	167
Walworth	Elkhorn	Aurora Lakeland Medical Center	663
Washburn	Shell Lake	Indianhead Medical Center, Inc.	26
	Spooner	Spooner Health System	87

(Continued)

Table 4. Births by County, City and Hospital of Occurrence, Wisconsin 2003

County	City	Hospital	Births
Washington	Hartford	Aurora Medical Center	318
	West Bend	St. Josephs Community Hospital	625
Waukesha	Brookfield	Elmbrook Memorial Hospital	732
	Menomonee Falls	Community Memorial Hospital	937
Waukesha	Oconomowoc	Oconomowoc Memorial Hospital	728
	Waukesha	Waukesha Memorial Hospital	2,410
Waupaca	Waupaca	Riverside Medical Center	238
Winnebago	Neenah	Theda Clark Regional Medical Center	1,184
	Oshkosh	Aurora Medical Center Of Oshkosh	70
	Oshkosh	Mercy Medical Center	1,146
Wood	Marshfield	St. Josephs Hospital	1,170
	Wisconsin Rapids	Riverview Hospital Association	515

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

Note: Number shown includes all births that occurred at the hospital, including births to women who were not Wisconsin residents.

Table 5. Home Births by County of Birth, Wisconsin 2003

County of Birth	Number of Births	County of Birth	Number of Births
Adams	2	Marathon	28
Ashland	2	Marinette	4
Barron	7	Marquette	26
Bayfield	1	Menominee	-
Brown	16	Milwaukee	36
Buffalo	-	Monroe	68
Burnett	-	Oconto	4
Calumet	7	Oneida	7
Chippewa	9	Outagamie	6
Clark	144	Ozaukee	4
Columbia	18	Pepin	32
Crawford	6	Pierce	-
Dane	47	Polk	2
Dodge	6	Portage	10
Door	2	Price	-
Douglas	3	Racine	7
Dunn	4	Richland	7
Eau Claire	35	Rock	17
Florence	1	Rusk	6
Fond du Lac	3	St. Croix	3
Forest	-	Sauk	18
Grant	32	Sawyer	5
Green	4	Shawano	17
Green Lake	16	Sheboygan	16
Iowa	4	Taylor	19
Iron	1	Trempealeau	5
Jackson	8	Vernon	82
Jefferson	3	Vilas	1
Juneau	2	Walworth	9
Kenosha	6	Washburn	4
Kewaunee	1	Washington	12
La Crosse	5	Waukesha	12
Lafayette	10	Waupaca	14
Langlade	-	Waushara	11
Lincoln	2	Winnebago	10
Manitowoc	4	Wood	8
		Total	921

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

Notes: This table shows the number of Wisconsin resident births in 2003 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, 54 deliveries took place at a clinic; these births are not included in either the hospital or the home birth totals shown. Almost all births (69,005 or 99 percent) occurred in hospitals. A dash (-) indicates there were no home births in that county.

Table 6a. Number of Births by Age of Mother and County of Residence, Wisconsin 2003

County	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	69,999	85	1,861	4,371	16,011	20,157	17,855	8,087	1,486	71
Adams	161	-	8	13	47	45	36	10	2	-
Ashland	208	1	4	23	67	56	33	17	7	-
Barron	540	-	11	36	189	146	111	38	9	-
Bayfield	111	-	2	4	31	34	22	14	4	-
Brown	3,364	7	91	202	721	981	947	351	57	4
Buffalo	150	-	3	4	33	53	39	13	4	1
Burnett	138	-	6	12	41	34	28	13	4	-
Calumet	640	-	9	24	89	208	210	86	12	2
Chippewa	681	-	7	38	188	217	158	57	16	-
Clark	532	-	12	24	134	172	108	65	14	3
Columbia	646	1	7	34	156	197	168	70	13	-
Crawford	224	-	4	12	55	75	46	27	5	-
Dane	5,725	3	86	217	918	1,612	1,836	884	163	5
Dodge	963	1	14	64	227	319	224	97	16	-
Door	265	-	1	18	59	70	77	32	7	1
Douglas	501	-	16	35	155	138	104	46	7	-
Dunn	470	-	13	30	128	128	126	37	8	-
Eau Claire	1,110	-	22	67	291	314	264	125	26	1
Florence	37	-	-	2	6	13	11	4	1	-
Fond du Lac	1,209	-	21	65	288	357	308	149	20	-
Forest	122	1	2	13	41	31	25	8	1	-
Grant	584	-	16	39	139	176	156	49	8	1
Green	397	-	11	16	92	106	109	57	6	-
Green Lake	231	-	1	16	64	67	50	25	6	2
Iowa	308	-	2	11	73	89	83	45	4	1
Iron	53	-	-	3	17	13	11	6	3	-
Jackson	231	-	10	16	60	65	51	21	8	-
Jefferson	980	2	19	53	230	311	244	108	12	1
Juneau	285	-	5	24	101	76	48	25	5	1
Kenosha	2,160	1	57	170	540	593	521	237	39	2
Kewaunee	255	-	2	14	57	83	69	28	2	-
La Crosse	1,247	1	34	73	270	381	326	141	20	1
Lafayette	173	-	4	4	48	60	36	19	2	-
Langlade	212	-	5	19	66	61	42	16	3	-
Lincoln	284	-	3	24	75	93	63	23	3	-
Manitowoc	867	1	34	66	183	258	203	104	16	2
Marathon	1,546	-	16	88	343	465	445	160	28	1
Marinette	458	-	5	33	130	125	104	50	8	2
Marquette	165	-	3	11	49	57	28	14	3	-
Menominee	90	-	8	10	40	19	7	5	1	-
Milwaukee	14,793	49	750	1,293	3,918	3,895	3,153	1,413	306	14
Monroe	624	1	17	33	172	173	143	65	19	1

(Continued)

Table 6a. Number of Births by Age of Mother and County of Residence, Wisconsin 2003

County	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Oconto	392	-	11	27	97	121	86	46	4	-
Oneida	301	-	5	21	67	88	87	28	4	1
Outagamie	2,255	-	42	103	439	717	650	275	27	2
Ozaukee	874	-	4	25	83	228	316	182	36	-
Pepin	79	-	1	4	25	22	20	7	-	-
Pierce	481	-	5	11	111	157	128	59	10	-
Polk	477	1	13	25	127	153	106	44	8	-
Portage	772	1	13	52	163	253	174	99	15	2
Price	123	-	2	9	29	37	36	10	-	-
Racine	2,539	7	104	213	635	707	539	277	55	1
Richland	205	-	6	10	66	58	42	19	4	-
Rock	2,055	-	71	161	575	590	465	156	36	1
Rusk	170	1	3	10	49	53	36	14	3	1
St. Croix	1,018	-	6	35	170	346	320	112	27	-
Sauk	730	-	11	45	231	198	155	71	18	-
Sawyer	157	-	4	14	50	50	26	11	2	-
Shawano	479	-	8	27	116	139	131	46	11	-
Sheboygan	1,376	1	29	95	299	442	333	155	22	-
Taylor	242	-	2	15	62	83	56	19	5	-
Trempealeau	338	-	8	21	83	98	77	41	9	1
Vernon	409	-	4	18	92	115	98	55	25	2
Vilas	186	-	5	17	36	51	44	27	6	-
Walworth	1,160	3	32	68	248	370	284	121	32	2
Washburn	183	-	6	8	56	62	35	11	5	-
Washington	1,489	-	11	59	237	420	480	244	38	-
Waukesha	4,311	1	42	104	486	1,169	1,523	850	127	8
Waupaca	596	1	13	49	151	180	134	55	12	1
Waushara	247	-	8	29	69	69	43	24	5	-
Winnebago	1,745	-	40	96	397	537	444	201	29	1
Wood	870	-	11	47	231	278	214	74	13	2

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

Notes: Included in the total column are 15 births for which age of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 6b. Percent of Births by Age of Mother and County of Residence, Wisconsin 2003

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	69,999	0.1%	2.7%	6.2%	22.9%	28.8%	25.5%	11.6%	2.1%	0.1%
Adams	161	-	5.0	8.1	29.2	28.0	22.4	6.2	1.2	-
Ashland	208	0.5	1.9	11.1	32.2	26.9	15.9	8.2	3.4	-
Barron	540	-	2.0	6.7	35.0	27.0	20.6	7.0	1.7	-
Bayfield	111	-	1.8	3.6	27.9	30.6	19.8	12.6	3.6	-
Brown	3,364	0.2	2.7	6.0	21.4	29.2	28.2	10.4	1.7	0.1
Buffalo	150	-	2.0	2.7	22.0	35.3	26.0	8.7	2.7	0.7
Burnett	138	-	4.3	8.7	29.7	24.6	20.3	9.4	2.9	-
Calumet	640	-	1.4	3.8	13.9	32.5	32.8	13.4	1.9	0.3
Chippewa	681	-	1.0	5.6	27.6	31.9	23.2	8.4	2.3	-
Clark	532	-	2.3	4.5	25.2	32.3	20.3	12.2	2.6	0.6
Columbia	646	0.2	1.1	5.3	24.1	30.5	26.0	10.8	2.0	-
Crawford	224	-	1.8	5.4	24.6	33.5	20.5	12.1	2.2	-
Dane	5,725	0.1	1.5	3.8	16.0	28.2	32.1	15.4	2.8	0.1
Dodge	963	0.1	1.5	6.6	23.6	33.1	23.3	10.1	1.7	-
Door	265	-	0.4	6.8	22.3	26.4	29.1	12.1	2.6	0.4
Douglas	501	-	3.2	7.0	30.9	27.5	20.8	9.2	1.4	-
Dunn	470	-	2.8	6.4	27.2	27.2	26.8	7.9	1.7	-
Eau Claire	1,110	-	2.0	6.0	26.2	28.3	23.8	11.3	2.3	0.1
Florence	37	-	-	5.4	16.2	35.1	29.7	10.8	2.7	-
Fond du Lac	1,209	-	1.7	5.4	23.8	29.5	25.5	12.3	1.7	-
Forest	122	0.8	1.6	10.7	33.6	25.4	20.5	6.6	0.8	-
Grant	584	-	2.7	6.7	23.8	30.1	26.7	8.4	1.4	0.2
Green	397	-	2.8	4.0	23.2	26.7	27.5	14.4	1.5	-
Green Lake	231	-	0.4	6.9	27.7	29.0	21.6	10.8	2.6	0.9
Iowa	308	-	0.6	3.6	23.7	28.9	26.9	14.6	1.3	0.3
Iron	53	-	-	5.7	32.1	24.5	20.8	11.3	5.7	-
Jackson	231	-	4.3	6.9	26.0	28.1	22.1	9.1	3.5	-
Jefferson	980	0.2	1.9	5.4	23.5	31.7	24.9	11.0	1.2	0.1
Juneau	285	-	1.8	8.4	35.4	26.7	16.8	8.8	1.8	0.4
Kenosha	2,160	0.0	2.6	7.9	25.0	27.5	24.1	11.0	1.8	0.1
Kewaunee	255	-	0.8	5.5	22.4	32.5	27.1	11.0	0.8	-
La Crosse	1,247	0.1	2.7	5.9	21.7	30.6	26.1	11.3	1.6	0.1
Lafayette	173	-	2.3	2.3	27.7	34.7	20.8	11.0	1.2	-
Langlade	212	-	2.4	9.0	31.1	28.8	19.8	7.5	1.4	-
Lincoln	284	-	1.1	8.5	26.4	32.7	22.2	8.1	1.1	-
Manitowoc	867	0.1	3.9	7.6	21.1	29.8	23.4	12.0	1.8	0.2
Marathon	1,546	-	1.0	5.7	22.2	30.1	28.8	10.3	1.8	0.1
Marinette	458	-	1.1	7.2	28.4	27.3	22.7	10.9	1.7	0.4
Marquette	165	-	1.8	6.7	29.7	34.5	17.0	8.5	1.8	-
Menominee	90	-	8.9	11.1	44.4	21.1	7.8	5.6	1.1	-
Milwaukee	14,793	0.3	5.1	8.7	26.5	26.3	21.3	9.6	2.1	0.1
Monroe	624	0.2	2.7	5.3	27.6	27.7	22.9	10.4	3.0	0.2

(Continued)

Table 6b. Percent of Births by Age of Mother and County of Residence, Wisconsin 2003

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Oconto	392	-	2.8	6.9	24.7	30.9	21.9	11.7	1.0	-
Oneida	301	-	1.7	7.0	22.3	29.2	28.9	9.3	1.3	0.3
Outagamie	2,255	-	1.9	4.6	19.5	31.8	28.8	12.2	1.2	0.1
Ozaukee	874	-	0.5	2.9	9.5	26.1	36.2	20.8	4.1	-
Pepin	79	-	1.3	5.1	31.6	27.8	25.3	8.9	-	-
Pierce	481	-	1.0	2.3	23.1	32.6	26.6	12.3	2.1	-
Polk	477	0.2	2.7	5.2	26.6	32.1	22.2	9.2	1.7	-
Portage	772	0.1	1.7	6.7	21.1	32.8	22.5	12.8	1.9	0.3
Price	123	-	1.6	7.3	23.6	30.1	29.3	8.1	-	-
Racine	2,539	0.3	4.1	8.4	25.0	27.8	21.2	10.9	2.2	0.0
Richland	205	-	2.9	4.9	32.2	28.3	20.5	9.3	2.0	-
Rock	2,055	-	3.5	7.8	28.0	28.7	22.6	7.6	1.8	0.0
Rusk	170	0.6	1.8	5.9	28.8	31.2	21.2	8.2	1.8	0.6
St. Croix	1,018	-	0.6	3.4	16.7	34.0	31.4	11.0	2.7	-
Sauk	730	-	1.5	6.2	31.6	27.1	21.2	9.7	2.5	-
Sawyer	157	-	2.5	8.9	31.8	31.8	16.6	7.0	1.3	-
Shawano	479	-	1.7	5.6	24.2	29.0	27.3	9.6	2.3	-
Sheboygan	1,376	0.1	2.1	6.9	21.7	32.1	24.2	11.3	1.6	-
Taylor	242	-	0.8	6.2	25.6	34.3	23.1	7.9	2.1	-
Trempealeau	338	-	2.4	6.2	24.6	29.0	22.8	12.1	2.7	0.3
Vernon	409	-	1.0	4.4	22.5	28.1	24.0	13.4	6.1	0.5
Vilas	186	-	2.7	9.1	19.4	27.4	23.7	14.5	3.2	-
Walworth	1,160	0.3	2.8	5.9	21.4	31.9	24.5	10.4	2.8	0.2
Washburn	183	-	3.3	4.4	30.6	33.9	19.1	6.0	2.7	-
Washington	1,489	-	0.7	4.0	15.9	28.2	32.2	16.4	2.6	-
Waukesha	4,311	0.0	1.0	2.4	11.3	27.1	35.3	19.7	2.9	0.2
Waupaca	596	0.2	2.2	8.2	25.3	30.2	22.5	9.2	2.0	0.2
Waushara	247	-	3.2	11.7	27.9	27.9	17.4	9.7	2.0	-
Winnebago	1,745	-	2.3	5.5	22.8	30.8	25.4	11.5	1.7	0.1
Wood	870	-	1.3	5.4	26.6	32.0	24.6	8.5	1.5	0.2

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

Notes: Included in the total column are 15 births for which age of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 7a. Number of Births by Age of Mother and Region, Wisconsin 2003

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	69,999	85	1,861	4,371	16,011	20,157	17,855	8,087	1,486	71
DHFS Regions										
Southern	12,865	5	249	668	2,820	3,716	3,502	1,584	307	11
Southeastern	28,306	63	1,019	1,985	6,377	7,693	7,060	3,432	645	28
Northeastern	14,634	10	326	885	3,248	4,430	3,824	1,646	242	17
Western	8,970	4	193	482	2,282	2,712	2,180	909	197	9
Northern	5,224	3	74	351	1,284	1,606	1,289	516	95	6
Perinatal Regions										
South Central	14,372	10	292	759	3,151	4,207	3,886	1,731	321	12
Southeast	27,542	59	997	1,959	6,198	7,454	6,865	3,358	623	25
Fox Valley	7,088	1	137	393	1,546	2,192	1,867	829	114	8
Northeast	6,170	8	160	397	1,403	1,796	1,624	662	106	9
Western	8,079	3	158	423	1,994	2,443	2,013	842	194	7
North Central	5,397	3	79	341	1,302	1,678	1,341	547	96	10
Northwest	1,351	1	38	99	417	387	259	118	32	-

Table 7b. Percent of Births by Age of Mother and Region, Wisconsin 2003

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	69,999	0.1%	2.7%	6.2%	22.9%	28.8%	25.5%	11.6%	2.1%	0.1%
DHFS Regions										
Southern	12,865	0.0	1.9	5.2	21.9	28.9	27.2	12.3	2.4	0.1
Southeastern	28,306	0.2	3.6	7.0	22.5	27.2	24.9	12.1	2.3	0.1
Northeastern	14,634	0.1	2.2	6.0	22.2	30.3	26.1	11.2	1.7	0.1
Western	8,970	0.0	2.2	5.4	25.4	30.2	24.3	10.1	2.2	0.1
Northern	5,224	0.1	1.4	6.7	24.6	30.7	24.7	9.9	1.8	0.1
Perinatal Regions										
South Central	14,372	0.1	2.0	5.3	21.9	29.3	27.0	12.0	2.2	0.1
Southeast	27,542	0.2	3.6	7.1	22.5	27.1	24.9	12.2	2.3	0.1
Fox Valley	7,088	0.0	1.9	5.5	21.8	30.9	26.3	11.7	1.6	0.1
Northeast	6,170	0.1	2.6	6.4	22.7	29.1	26.3	10.7	1.7	0.1
Western	8,079	0.0	2.0	5.2	24.7	30.2	24.9	10.4	2.4	0.1
North Central	5,397	0.1	1.5	6.3	24.1	31.1	24.8	10.1	1.8	0.2
Northwest	1,351	0.1	2.8	7.3	30.9	28.6	19.2	8.7	2.4	-

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

Notes: Included in the totals are 15 births for which age of mother was not reported. A dash (-) indicates that there were no births in that category. Percents may not add to 100 due to rounding. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 97 and 98).

Table 8a. Number of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2003

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	69,999	54,831	6,409	981	5,522	1,010	1,219
Adams	161	155	1	2	1	-	1
Ashland	208	167	-	37	3	-	1
Barron	540	518	5	4	12	-	1
Bayfield	111	92	1	18	-	-	-
Brown	3,364	2,654	54	156	349	113	36
Buffalo	150	144	2	1	2	-	1
Burnett	138	119	-	17	2	-	-
Calumet	640	596	3	-	15	22	4
Chippewa	681	662	1	4	6	6	2
Clark	532	503	1	3	22	-	3
Columbia	646	619	2	4	18	-	3
Crawford	224	222	-	1	1	-	-
Dane	5,725	4,456	383	29	478	79	296
Dodge	963	872	5	4	76	1	4
Door	265	245	-	2	16	-	2
Douglas	501	481	3	10	5	1	1
Dunn	470	439	2	-	5	18	6
Eau Claire	1,110	1,012	9	5	16	50	18
Florence	37	37	-	-	-	-	-
Fond du Lac	1,209	1,110	8	7	69	5	9
Forest	122	95	-	23	3	-	1
Grant	584	570	1	5	5	-	3
Green	397	387	1	1	5	-	3
Green Lake	231	214	-	1	13	-	3
Iowa	308	300	1	-	5	-	2
Iron	53	52	-	1	-	-	-
Jackson	231	200	2	26	3	-	-
Jefferson	980	859	5	5	102	-	9
Juneau	285	270	1	6	5	2	1
Kenosha	2,160	1,653	178	11	281	1	36
Kewaunee	255	243	1	-	10	-	1
La Crosse	1,247	1,119	23	10	24	57	14
Lafayette	173	168	-	2	3	-	-
Langlade	212	201	-	6	1	1	3
Lincoln	284	279	1	-	1	-	3
Manitowoc	867	781	7	4	41	26	8
Marathon	1,546	1,363	4	13	37	116	13
Marinette	458	439	2	6	8	1	2
Marquette	165	156	-	1	7	-	1
Menominee	90	3	-	82	5	-	-
Milwaukee	14,793	6,646	5,041	144	2,329	262	367
Monroe	624	598	1	8	14	-	3

(Continued)

Table 8a. Number of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2003

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Oconto	392	379	1	9	2	-	1
Oneida	301	289	1	2	7	-	2
Outagamie	2,255	1,969	19	52	117	64	33
Ozaukee	874	821	12	2	26	4	9
Pepin	79	77	1	1	-	-	-
Pierce	481	476	-	-	4	-	-
Polk	477	462	1	6	7	-	1
Portage	772	698	5	6	32	24	7
Price	123	118	-	2	-	-	2
Racine	2,539	1,715	399	19	376	3	21
Richland	205	199	1	1	4	-	-
Rock	2,055	1,707	124	7	182	4	30
Rusk	170	164	2	2	1	-	1
St. Croix	1,018	986	3	3	12	3	10
Sauk	730	667	2	14	41	-	5
Sawyer	157	107	-	45	3	-	2
Shawano	479	414	1	41	17	2	3
Sheboygan	1,376	1,149	10	8	113	79	17
Taylor	242	238	-	-	2	-	2
Trempealeau	338	327	-	-	10	-	1
Vernon	409	402	-	2	4	-	1
Vilas	186	133	1	48	1	-	3
Walworth	1,160	964	3	7	176	-	10
Washburn	183	174	1	7	-	-	1
Washington	1,489	1,428	8	4	37	-	12
Waukesha	4,311	3,887	47	8	210	6	152
Waupaca	596	568	1	2	20	2	3
Waushara	247	215	-	4	27	-	1
Winnebago	1,745	1,579	14	15	74	48	15
Wood	870	820	3	5	19	10	13

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

Notes: See Technical Notes for full definitions of race/ethnicity categories. Included in the totals are 27 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 8b. Percent of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2003

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	69,999	78.3%	9.2%	1.4%	7.9%	1.4%	1.7%
Adams	161	96.3	0.6	1.2	0.6	-	0.6
Ashland	208	80.3	-	17.8	1.4	-	0.5
Barron	540	95.9	0.9	0.7	2.2	-	0.2
Bayfield	111	82.9	0.9	16.2	-	-	-
Brown	3,364	78.9	1.6	4.6	10.4	3.4	1.1
Buffalo	150	96.0	1.3	0.7	1.3	-	0.7
Burnett	138	86.2	-	12.3	1.4	-	-
Calumet	640	93.1	0.5	-	2.3	3.4	0.6
Chippewa	681	97.2	0.1	0.6	0.9	0.9	0.3
Clark	532	94.5	0.2	0.6	4.1	-	0.6
Columbia	646	95.8	0.3	0.6	2.8	-	0.5
Crawford	224	99.1	-	0.4	0.4	-	-
Dane	5,725	77.8	6.7	0.5	8.3	1.4	5.2
Dodge	963	90.6	0.5	0.4	7.9	0.1	0.4
Door	265	92.5	-	0.8	6.0	-	0.8
Douglas	501	96.0	0.6	2.0	1.0	0.2	0.2
Dunn	470	93.4	0.4	-	1.1	3.8	1.3
Eau Claire	1,110	91.2	0.8	0.5	1.4	4.5	1.6
Florence	37	100.0	-	-	-	-	-
Fond du Lac	1,209	91.8	0.7	0.6	5.7	0.4	0.7
Forest	122	77.9	-	18.9	2.5	-	0.8
Grant	584	97.6	0.2	0.9	0.9	-	0.5
Green	397	97.5	0.3	0.3	1.3	-	0.8
Green Lake	231	92.6	-	0.4	5.6	-	1.3
Iowa	308	97.4	0.3	-	1.6	-	0.6
Iron	53	98.1	-	1.9	-	-	-
Jackson	231	86.6	0.9	11.3	1.3	-	-
Jefferson	980	87.7	0.5	0.5	10.4	-	0.9
Juneau	285	94.7	0.4	2.1	1.8	0.7	0.4
Kenosha	2,160	76.5	8.2	0.5	13.0	0.0	1.7
Kewaunee	255	95.3	0.4	-	3.9	-	0.4
La Crosse	1,247	89.7	1.8	0.8	1.9	4.6	1.1
Lafayette	173	97.1	-	1.2	1.7	-	-
Langlade	212	94.8	-	2.8	0.5	0.5	1.4
Lincoln	284	98.2	0.4	-	0.4	-	1.1
Manitowoc	867	90.1	0.8	0.5	4.7	3.0	0.9
Marathon	1,546	88.2	0.3	0.8	2.4	7.5	0.8
Marinette	458	95.9	0.4	1.3	1.7	0.2	0.4
Marquette	165	94.5	-	0.6	4.2	-	0.6
Menominee	90	3.3	-	91.1	5.6	-	-
Milwaukee	14,793	44.9	34.1	1.0	15.7	1.8	2.5
Monroe	624	95.8	0.2	1.3	2.2	-	0.5

(Continued)

Table 8b. Percent of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2003

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Oconto	392	96.7	0.3	2.3	0.5	-	0.3
Oneida	301	96.0	0.3	0.7	2.3	-	0.7
Outagamie	2,255	87.3	0.8	2.3	5.2	2.8	1.5
Ozaukee	874	93.9	1.4	0.2	3.0	0.5	1.0
Pepin	79	97.5	1.3	1.3	-	-	-
Pierce	481	99.0	-	-	0.8	-	-
Polk	477	96.9	0.2	1.3	1.5	-	0.2
Portage	772	90.4	0.6	0.8	4.1	3.1	0.9
Price	123	95.9	-	1.6	-	-	1.6
Racine	2,539	67.5	15.7	0.7	14.8	0.1	0.8
Richland	205	97.1	0.5	0.5	2.0	-	-
Rock	2,055	83.1	6.0	0.3	8.9	0.2	1.5
Rusk	170	96.5	1.2	1.2	0.6	-	0.6
St. Croix	1,018	96.9	0.3	0.3	1.2	0.3	1.0
Sauk	730	91.4	0.3	1.9	5.6	-	0.7
Sawyer	157	68.2	-	28.7	1.9	-	1.3
Shawano	479	86.4	0.2	8.6	3.5	0.4	0.6
Sheboygan	1,376	83.5	0.7	0.6	8.2	5.7	1.2
Taylor	242	98.3	-	-	0.8	-	0.8
Trempealeau	338	96.7	-	-	3.0	-	0.3
Vernon	409	98.3	-	0.5	1.0	-	0.2
Vilas	186	71.5	0.5	25.8	0.5	-	1.6
Walworth	1,160	83.1	0.3	0.6	15.2	-	0.9
Washburn	183	95.1	0.5	3.8	-	-	0.5
Washington	1,489	95.9	0.5	0.3	2.5	-	0.8
Waukesha	4,311	90.2	1.1	0.2	4.9	0.1	3.5
Waupaca	596	95.3	0.2	0.3	3.4	0.3	0.5
Waushara	247	87.0	-	1.6	10.9	-	0.4
Winnebago	1,745	90.5	0.8	0.9	4.2	2.8	0.9
Wood	870	94.3	0.3	0.6	2.2	1.1	1.5

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

Notes: See Technical Notes for full definitions of race/ethnicity categories. Included in the totals are 27 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 9a. Number of Births by Race/Ethnicity of Mother and Region, Wisconsin 2003

	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	69,999	54,831	6,409	981	5,522	1,010	1,219
DHFS Regions							
Southern	12,865	10,994	522	78	828	86	349
Southeastern	28,306	17,973	5,693	200	3,537	276	616
Northeastern	14,634	12,714	121	390	903	362	139
Western	8,970	8,461	57	107	145	135	63
Northern	5,224	4,689	16	206	109	151	52
Perinatal Regions							
South Central	14,372	12,193	530	87	1,101	86	367
Southeast	27,542	17,299	5,695	196	3,372	355	614
Fox Valley	7,088	6,407	45	82	342	141	69
Northeast	6,170	5,158	66	300	448	142	53
Western	8,079	7,644	50	71	120	134	58
North Central	5,397	4,938	18	110	126	151	53
Northwest	1,351	1,192	5	135	13	1	5

Table 9b. Percent of Births by Race/Ethnicity of Mother and Region, Wisconsin 2003

	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	69,999	78.3%	9.2%	1.4%	7.9%	1.4%	1.7%
DHFS Regions							
Southern	12,865	85.5	4.1	0.6	6.4	0.7	2.7
Southeastern	28,306	63.5	20.1	0.7	12.5	1.0	2.2
Northeastern	14,634	86.9	0.8	2.7	6.2	2.5	0.9
Western	8,970	94.3	0.6	1.2	1.6	1.5	0.7
Northern	5,224	89.8	0.3	3.9	2.1	2.9	1.0
Perinatal Regions							
South Central	14,372	84.8	3.7	0.6	7.7	0.6	2.6
Southeast	27,542	62.8	20.7	0.7	12.2	1.3	2.2
Fox Valley	7,088	90.4	0.6	1.2	4.8	2.0	1.0
Northeast	6,170	83.6	1.1	4.9	7.3	2.3	0.9
Western	8,079	94.6	0.6	0.9	1.5	1.7	0.7
North Central	5,397	91.5	0.3	2.0	2.3	2.8	1.0
Northwest	1,351	88.2	0.4	10.0	1.0	0.1	0.4

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

Notes: See Technical Notes for full definitions of race/ethnicity categories. Included in the totals are 27 births for which race/ethnicity of mother was not reported. Percents may not add to 100 due to rounding. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 97 and 98).

Table 10a. Number of Births by Education of Mother and County of Residence, Wisconsin 2003

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	69,999	2,462	8,389	20,741	16,612	12,359	9,189
Adams	161	-	25	75	41	9	11
Ashland	208	3	32	74	62	21	16
Barron	540	25	59	210	146	49	51
Bayfield	111	-	9	29	37	16	20
Brown	3,364	165	422	927	819	636	391
Buffalo	150	3	4	37	67	27	12
Burnett	138	-	24	55	39	7	11
Calumet	640	9	25	178	158	157	111
Chippewa	681	18	35	249	205	94	80
Clark	532	171	52	142	103	34	29
Columbia	646	18	53	221	166	106	80
Crawford	224	3	17	83	62	43	16
Dane	5,725	158	431	1,125	1,187	1,407	1,399
Dodge	963	12	97	349	276	135	90
Door	265	4	18	88	79	35	39
Douglas	501	-	35	151	166	94	53
Dunn	470	4	28	168	122	92	54
Eau Claire	1,110	44	88	302	285	209	179
Florence	37	-	2	15	7	6	7
Fond du Lac	1,209	25	112	417	316	209	126
Forest	122	1	27	54	26	9	5
Grant	584	33	43	166	194	90	58
Green	397	6	37	124	130	57	42
Green Lake	231	28	21	86	58	18	18
Iowa	308	2	20	88	91	58	49
Iron	53	-	4	15	24	6	4
Jackson	231	14	24	90	65	19	18
Jefferson	980	30	92	317	266	169	105
Juneau	285	6	39	132	68	21	18
Kenosha	2,160	73	269	761	500	337	211
Kewaunee	255	5	11	85	99	42	13
La Crosse	1,247	10	94	308	381	231	213
Lafayette	173	8	17	49	52	33	13
Langlade	212	3	31	89	51	24	14
Lincoln	284	3	32	112	80	34	23
Manitowoc	867	12	114	307	219	151	64
Marathon	1,546	58	93	521	420	263	190
Marinette	458	2	50	171	132	58	44
Marquette	165	15	18	68	36	19	8
Menominee	90	-	38	30	18	3	-
Milwaukee	14,793	735	3,250	4,300	2,730	2,167	1,560
Monroe	624	85	75	204	155	63	42

(Continued)

Table 10a. Number of Births by Education of Mother and County of Residence, Wisconsin 2003

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Oconto	392	2	49	140	116	54	31
Oneida	301	2	20	118	76	45	40
Outagamie	2,255	54	180	697	543	453	323
Ozaukee	874	3	24	159	181	273	234
Pepin	79	17	9	18	19	10	6
Pierce	481	-	22	139	134	120	62
Polk	477	4	42	170	143	69	47
Portage	772	10	46	245	229	124	116
Price	123	-	9	54	26	24	10
Racine	2,539	110	477	714	605	361	257
Richland	205	14	18	83	64	17	9
Rock	2,055	61	338	722	469	262	179
Rusk	170	2	18	72	46	16	16
St. Croix	1,018	-	27	220	299	291	173
Sauk	730	34	92	253	171	92	85
Sawyer	157	3	22	62	37	16	16
Shawano	479	16	54	173	136	51	47
Sheboygan	1,376	24	138	511	340	216	142
Taylor	242	26	16	94	68	29	9
Trempealeau	338	15	39	101	100	48	33
Vernon	409	103	27	110	82	49	38
Vilas	186	-	23	58	54	31	20
Walworth	1,160	55	156	336	274	179	152
Washburn	183	1	18	79	51	19	14
Washington	1,489	8	57	420	439	349	214
Waukesha	4,311	36	163	781	942	1,417	965
Waupaca	596	15	65	261	126	77	52
Waushara	247	19	39	99	52	14	23
Winnebago	1,745	22	182	569	395	287	271
Wood	870	15	52	311	257	108	118

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

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 247 births for which education of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 10b. Percent of Births by Education of Mother and County of Residence, Wisconsin 2003

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	69,999	3.5%	12.0%	29.6%	23.7%	17.7%	13.1%
Adams	161	-	15.5	46.6	25.5	5.6	6.8
Ashland	208	1.4	15.4	35.6	29.8	10.1	7.7
Barron	540	4.6	10.9	38.9	27.0	9.1	9.4
Bayfield	111	-	8.1	26.1	33.3	14.4	18.0
Brown	3,364	4.9	12.5	27.6	24.3	18.9	11.6
Buffalo	150	2.0	2.7	24.7	44.7	18.0	8.0
Burnett	138	-	17.4	39.9	28.3	5.1	8.0
Calumet	640	1.4	3.9	27.8	24.7	24.5	17.3
Chippewa	681	2.6	5.1	36.6	30.1	13.8	11.7
Clark	532	32.1	9.8	26.7	19.4	6.4	5.5
Columbia	646	2.8	8.2	34.2	25.7	16.4	12.4
Crawford	224	1.3	7.6	37.1	27.7	19.2	7.1
Dane	5,725	2.8	7.5	19.7	20.7	24.6	24.4
Dodge	963	1.2	10.1	36.2	28.7	14.0	9.3
Door	265	1.5	6.8	33.2	29.8	13.2	14.7
Douglas	501	-	7.0	30.1	33.1	18.8	10.6
Dunn	470	0.9	6.0	35.7	26.0	19.6	11.5
Eau Claire	1,110	4.0	7.9	27.2	25.7	18.8	16.1
Florence	37	-	5.4	40.5	18.9	16.2	18.9
Fond du Lac	1,209	2.1	9.3	34.5	26.1	17.3	10.4
Forest	122	0.8	22.1	44.3	21.3	7.4	4.1
Grant	584	5.7	7.4	28.4	33.2	15.4	9.9
Green	397	1.5	9.3	31.2	32.7	14.4	10.6
Green Lake	231	12.1	9.1	37.2	25.1	7.8	7.8
Iowa	308	0.6	6.5	28.6	29.5	18.8	15.9
Iron	53	-	7.5	28.3	45.3	11.3	7.5
Jackson	231	6.1	10.4	39.0	28.1	8.2	7.8
Jefferson	980	3.1	9.4	32.3	27.1	17.2	10.7
Juneau	285	2.1	13.7	46.3	23.9	7.4	6.3
Kenosha	2,160	3.4	12.5	35.2	23.1	15.6	9.8
Kewaunee	255	2.0	4.3	33.3	38.8	16.5	5.1
La Crosse	1,247	0.8	7.5	24.7	30.6	18.5	17.1
Lafayette	173	4.6	9.8	28.3	30.1	19.1	7.5
Langlade	212	1.4	14.6	42.0	24.1	11.3	6.6
Lincoln	284	1.1	11.3	39.4	28.2	12.0	8.1
Manitowoc	867	1.4	13.1	35.4	25.3	17.4	7.4
Marathon	1,546	3.8	6.0	33.7	27.2	17.0	12.3
Marinette	458	0.4	10.9	37.3	28.8	12.7	9.6
Marquette	165	9.1	10.9	41.2	21.8	11.5	4.8
Menominee	90	-	42.2	33.3	20.0	3.3	-
Milwaukee	14,793	5.0	22.0	29.1	18.5	14.6	10.5
Monroe	624	13.6	12.0	32.7	24.8	10.1	6.7

(Continued)

Table 10b. Percent of Births by Education of Mother and County of Residence, Wisconsin 2003

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Oconto	392	0.5	12.5	35.7	29.6	13.8	7.9
Oneida	301	0.7	6.6	39.2	25.2	15.0	13.3
Outagamie	2,255	2.4	8.0	30.9	24.1	20.1	14.3
Ozaukee	874	0.3	2.7	18.2	20.7	31.2	26.8
Pepin	79	21.5	11.4	22.8	24.1	12.7	7.6
Pierce	481	-	4.6	28.9	27.9	24.9	12.9
Polk	477	0.8	8.8	35.6	30.0	14.5	9.9
Portage	772	1.3	6.0	31.7	29.7	16.1	15.0
Price	123	-	7.3	43.9	21.1	19.5	8.1
Racine	2,539	4.3	18.8	28.1	23.8	14.2	10.1
Richland	205	6.8	8.8	40.5	31.2	8.3	4.4
Rock	2,055	3.0	16.4	35.1	22.8	12.7	8.7
Rusk	170	1.2	10.6	42.4	27.1	9.4	9.4
St. Croix	1,018	-	2.7	21.6	29.4	28.6	17.0
Sauk	730	4.7	12.6	34.7	23.4	12.6	11.6
Sawyer	157	1.9	14.0	39.5	23.6	10.2	10.2
Shawano	479	3.3	11.3	36.1	28.4	10.6	9.8
Sheboygan	1,376	1.7	10.0	37.1	24.7	15.7	10.3
Taylor	242	10.7	6.6	38.8	28.1	12.0	3.7
Trempealeau	338	4.4	11.5	29.9	29.6	14.2	9.8
Vernon	409	25.2	6.6	26.9	20.0	12.0	9.3
Vilas	186	-	12.4	31.2	29.0	16.7	10.8
Walworth	1,160	4.7	13.4	29.0	23.6	15.4	13.1
Washburn	183	0.5	9.8	43.2	27.9	10.4	7.7
Washington	1,489	0.5	3.8	28.2	29.5	23.4	14.4
Waukesha	4,311	0.8	3.8	18.1	21.9	32.9	22.4
Waupaca	596	2.5	10.9	43.8	21.1	12.9	8.7
Waushara	247	7.7	15.8	40.1	21.1	5.7	9.3
Winnebago	1,745	1.3	10.4	32.6	22.6	16.4	15.5
Wood	870	1.7	6.0	35.7	29.5	12.4	13.6

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

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 247 births for which education of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 11a. Number of Births by Education of Mother and Region, Wisconsin 2003

	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	69,999	2,462	8,389	20,741	16,612	12,359	9,189
DHFS Regions							
Southern	12,865	458	1,254	3,580	3,053	2,379	2,087
Southeastern	28,306	1,050	4,488	7,788	5,937	5,252	3,698
Northeastern	14,634	417	1,536	4,807	3,642	2,480	1,703
Western	8,970	413	693	2,715	2,526	1,492	1,093
Northern	5,224	124	418	1,851	1,454	756	608
Perinatal Regions							
South Central	14,372	437	1,458	4,040	3,449	2,635	2,290
Southeast	27,542	989	4,378	7,646	5,737	5,120	3,583
Fox Valley	7,088	187	642	2,375	1,684	1,234	932
Northeast	6,170	206	756	1,921	1,618	1,030	629
Western	8,079	345	590	2,409	2,265	1,414	1,024
North Central	5,397	291	421	1,885	1,443	747	597
Northwest	1,351	7	144	465	416	179	134

Table 11b. Percent of Births by Education of Mother and Region, Wisconsin 2003

	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	69,999	3.5%	12.0%	29.6%	23.7%	17.7%	13.1%
DHFS Regions							
Southern	12,865	3.6	9.7	27.8	23.7	18.5	16.2
Southeastern	28,306	3.7	15.9	27.5	21.0	18.6	13.1
Northeastern	14,634	2.8	10.5	32.8	24.9	16.9	11.6
Western	8,970	4.6	7.7	30.3	28.2	16.6	12.2
Northern	5,224	2.4	8.0	35.4	27.8	14.5	11.6
Perinatal Regions							
South Central	14,372	3.0	10.1	28.1	24.0	18.3	15.9
Southeast	27,542	3.6	15.9	27.8	20.8	18.6	13.0
Fox Valley	7,088	2.6	9.1	33.5	23.8	17.4	13.1
Northeast	6,170	3.3	12.3	31.1	26.2	16.7	10.2
Western	8,079	4.3	7.3	29.8	28.0	17.5	12.7
North Central	5,397	5.4	7.8	34.9	26.7	13.8	11.1
Northwest	1,351	0.5	10.7	34.4	30.8	13.2	9.9

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

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 247 births for which education of mother was not reported. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 97 and 98).

Table 12a. Number of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2003

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	21,497	84	1,709	3,627	8,810	4,193	1,971	858	242
Adams	50	-	7	8	16	11	6	2	-
Ashland	81	n/s	n/s	19	33	13	8	3	-
Barron	179	-	8	24	88	31	20	7	1
Bayfield	35	-	n/s	n/s	14	12	1	3	n/s
Brown	969	7	83	162	386	191	101	30	8
Buffalo	36	-	n/s	n/s	16	7	3	2	1
Burnett	58	-	6	11	24	12	5	-	-
Calumet	85	-	6	17	38	12	9	2	1
Chippewa	185	-	7	28	95	27	21	4	3
Clark	102	-	12	20	44	16	5	4	1
Columbia	165	n/s	7	30	81	23	15	8	-
Crawford	63	-	n/s	12	25	14	4	4	-
Dane	1,342	n/s	84	186	528	300	142	72	27
Dodge	240	n/s	13	52	101	39	25	6	3
Door	68	-	n/s	15	33	9	7	3	-
Douglas	193	-	15	25	87	41	14	7	4
Dunn	124	-	11	26	57	18	8	4	-
Eau Claire	304	-	20	49	136	60	28	8	3
Florence	2	-	-	-	1	-	1	-	-
Fond du Lac	306	-	19	55	137	47	28	15	5
Forest	54	n/s	n/s	12	24	10	3	2	-
Grant	149	-	16	35	53	26	13	5	1
Green	104	-	11	15	43	17	7	11	-
Green Lake	48	-	n/s	12	24	4	5	1	1
Iowa	64	-	n/s	7	34	15	4	2	-
Iron	11	-	-	2	5	2	2	-	-
Jackson	85	-	9	15	31	20	8	2	-
Jefferson	215	n/s	14	41	94	35	18	7	4
Juneau	97	-	5	17	45	19	10	-	1
Kenosha	721	n/s	53	145	304	121	61	27	9
Kewaunee	52	-	n/s	13	28	8	-	2	-
La Crosse	330	n/s	24	57	150	61	23	14	-
Lafayette	42	-	n/s	3	19	12	4	-	-
Langlade	66	-	4	14	27	14	6	1	-
Lincoln	78	-	n/s	16	29	21	4	4	n/s
Manitowoc	235	n/s	30	52	85	35	21	8	3
Marathon	351	-	13	68	153	60	38	14	5
Marinette	128	-	4	21	67	16	13	5	2
Marquette	54	-	n/s	10	21	14	4	1	n/s
Menominee	72	-	8	10	34	12	4	3	n/s
Milwaukee	7,322	49	716	1,152	2,835	1,504	672	301	93
Monroe	160	n/s	13	23	68	29	17	4	5

(Continued)

Table 12a. Number of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2003

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Oconto	107	-	11	24	40	19	10	3	-
Oneida	86	-	3	16	40	17	8	2	-
Outagamie	493	-	32	77	204	99	57	21	3
Ozaukee	97	-	n/s	22	38	15	11	7	1
Pepin	20	-	n/s	n/s	10	4	1	-	-
Pierce	101	-	5	11	50	22	7	5	1
Polk	147	n/s	13	22	65	25	14	4	3
Portage	172	n/s	10	39	73	30	10	6	3
Price	24	-	n/s	7	8	2	4	2	-
Racine	981	7	98	194	388	185	68	37	4
Richland	61	-	6	9	29	8	4	3	n/s
Rock	804	-	69	137	349	159	67	18	5
Rusk	49	n/s	n/s	8	25	7	5	-	n/s
St. Croix	162	-	5	26	55	34	32	7	2
Sauk	217	-	10	32	117	37	9	11	1
Sawyer	78	-	n/s	11	30	19	12	2	n/s
Shawano	139	-	6	21	64	28	15	5	-
Sheboygan	345	n/s	23	70	126	77	30	15	3
Taylor	53	-	n/s	11	20	11	7	2	-
Trempealeau	99	-	8	15	43	16	10	7	-
Vernon	84	-	n/s	16	29	19	11	3	3
Vilas	64	-	5	16	19	13	7	4	-
Walworth	308	n/s	30	57	113	59	29	15	3
Washburn	53	-	6	4	25	11	3	1	3
Washington	241	-	10	44	103	48	22	14	-
Waukesha	560	n/s	39	85	229	110	61	29	5
Waupaca	165	n/s	10	43	70	24	12	5	-
Waushara	79	-	7	15	29	18	6	1	3
Winnebago	455	-	33	73	195	96	31	21	6
Wood	228	-	8	33	111	43	20	10	3

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

Notes: Included in the totals are 3 births 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, Wisconsin 2003

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	21,497	0.4%	7.9%	16.9%	41.0%	19.5%	9.2%	4.0%	1.1%
Adams	50	-	14.0	16.0	32.0	22.0	12.0	4.0	-
Ashland	81	n/s	n/s	23.5	40.7	16.0	9.9	3.7	-
Barron	179	-	4.5	13.4	49.2	17.3	11.2	3.9	0.6
Bayfield	35	-	n/s	n/s	40.0	34.3	2.9	8.6	n/s
Brown	969	0.7	8.6	16.7	39.8	19.7	10.4	3.1	0.8
Buffalo	36	-	n/s	n/s	44.4	19.4	8.3	5.6	2.8
Burnett	58	-	10.3	19.0	41.4	20.7	8.6	-	-
Calumet	85	-	7.1	20.0	44.7	14.1	10.6	2.4	1.2
Chippewa	185	-	3.8	15.1	51.4	14.6	11.4	2.2	1.6
Clark	102	-	11.8	19.6	43.1	15.7	4.9	3.9	1.0
Columbia	165	n/s	4.2	18.2	49.1	13.9	9.1	4.8	-
Crawford	63	-	n/s	19.0	39.7	22.2	6.3	6.3	-
Dane	1,342	n/s	6.3	13.9	39.3	22.4	10.6	5.4	2.0
Dodge	240	n/s	5.4	21.7	42.1	16.3	10.4	2.5	1.3
Door	68	-	n/s	22.1	48.5	13.2	10.3	4.4	-
Douglas	193	-	7.8	13.0	45.1	21.2	7.3	3.6	2.1
Dunn	124	-	8.9	21.0	46.0	14.5	6.5	3.2	-
Eau Claire	304	-	6.6	16.1	44.7	19.7	9.2	2.6	1.0
Florence	2	-	-	-	50.0	-	50.0	-	-
Fond du Lac	306	-	6.2	18.0	44.8	15.4	9.2	4.9	1.6
Forest	54	n/s	n/s	22.2	44.4	18.5	5.6	3.7	-
Grant	149	-	10.7	23.5	35.6	17.4	8.7	3.4	0.7
Green	104	-	10.6	14.4	41.3	16.3	6.7	10.6	-
Green Lake	48	-	n/s	25.0	50.0	8.3	10.4	2.1	2.1
Iowa	64	-	n/s	10.9	53.1	23.4	6.3	3.1	-
Iron	11	-	-	18.2	45.5	18.2	18.2	-	-
Jackson	85	-	10.6	17.6	36.5	23.5	9.4	2.4	-
Jefferson	215	n/s	6.5	19.1	43.7	16.3	8.4	3.3	1.9
Juneau	97	-	5.2	17.5	46.4	19.6	10.3	-	1.0
Kenosha	721	n/s	7.4	20.1	42.2	16.8	8.5	3.7	1.2
Kewaunee	52	-	n/s	25.0	53.8	15.4	-	3.8	-
La Crosse	330	n/s	7.3	17.3	45.5	18.5	7.0	4.2	-
Lafayette	42	-	n/s	7.1	45.2	28.6	9.5	-	-
Langlade	66	-	6.1	21.2	40.9	21.2	9.1	1.5	-
Lincoln	78	-	n/s	20.5	37.2	26.9	5.1	5.1	n/s
Manitowoc	235	n/s	12.8	22.1	36.2	14.9	8.9	3.4	1.3
Marathon	351	-	3.7	19.4	43.6	17.1	10.8	4.0	1.4
Marinette	128	-	3.1	16.4	52.3	12.5	10.2	3.9	1.6
Marquette	54	-	n/s	18.5	38.9	25.9	7.4	1.9	n/s
Menominee	72	-	11.1	13.9	47.2	16.7	5.6	4.2	n/s
Milwaukee	7,322	0.7	9.8	15.7	38.7	20.5	9.2	4.1	1.3
Monroe	160	n/s	8.1	14.4	42.5	18.1	10.6	2.5	3.1

(Continued)

Table 12b. Percent of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2003

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Oconto	107	-	10.3	22.4	37.4	17.8	9.3	2.8	-
Oneida	86	-	3.5	18.6	46.5	19.8	9.3	2.3	-
Outagamie	493	-	6.5	15.6	41.4	20.1	11.6	4.3	0.6
Ozaukee	97	-	n/s	22.7	39.2	15.5	11.3	7.2	1.0
Pepin	20	-	n/s	n/s	50.0	20.0	5.0	-	-
Pierce	101	-	5.0	10.9	49.5	21.8	6.9	5.0	1.0
Polk	147	n/s	8.8	15.0	44.2	17.0	9.5	2.7	2.0
Portage	172	n/s	5.8	22.7	42.4	17.4	5.8	3.5	1.7
Price	24	-	n/s	29.2	33.3	8.3	16.7	8.3	-
Racine	981	0.7	10.0	19.8	39.6	18.9	6.9	3.8	0.4
Richland	61	-	9.8	14.8	47.5	13.1	6.6	4.9	n/s
Rock	804	-	8.6	17.0	43.4	19.8	8.3	2.2	0.6
Rusk	49	n/s	n/s	16.3	51.0	14.3	10.2	-	n/s
St. Croix	162	-	3.1	16.0	34.0	21.0	19.8	4.3	1.2
Sauk	217	-	4.6	14.7	53.9	17.1	4.1	5.1	0.5
Sawyer	78	-	n/s	14.1	38.5	24.4	15.4	2.6	n/s
Shawano	139	-	4.3	15.1	46.0	20.1	10.8	3.6	-
Sheboygan	345	n/s	6.7	20.3	36.5	22.3	8.7	4.3	0.9
Taylor	53	-	n/s	20.8	37.7	20.8	13.2	3.8	-
Trempealeau	99	-	8.1	15.2	43.4	16.2	10.1	7.1	-
Vernon	84	-	n/s	19.0	34.5	22.6	13.1	3.6	3.6
Vilas	64	-	7.8	25.0	29.7	20.3	10.9	6.3	-
Walworth	308	n/s	9.7	18.5	36.7	19.2	9.4	4.9	1.0
Washburn	53	-	11.3	7.5	47.2	20.8	5.7	1.9	5.7
Washington	241	-	4.1	18.3	42.7	19.9	9.1	5.8	-
Waukesha	560	n/s	7.0	15.2	40.9	19.6	10.9	5.2	0.9
Waupaca	165	n/s	6.1	26.1	42.4	14.5	7.3	3.0	-
Waushara	79	-	8.9	19.0	36.7	22.8	7.6	1.3	3.8
Winnebago	455	-	7.3	16.0	42.9	21.1	6.8	4.6	1.3
Wood	228	-	3.5	14.5	48.7	18.9	8.8	4.4	1.3

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

Notes: Included in the totals are 3 births 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, Wisconsin 2003

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	21,497	84	1,709	3,627	8,810	4,193	1,971	858	242
DHFS Regions									
Southern	3,482	5	241	559	1,469	699	321	145	43
Southeastern	10,445	62	963	1,740	4,104	2,077	942	437	119
Northeastern	3,800	10	278	690	1,581	709	353	141	37
Western	2,387	n/s	168	372	1,069	441	224	80	28
Northern	1,383	n/s	59	266	587	267	131	55	15
Perinatal Regions									
South Central	3,858	9	278	629	1,622	760	353	160	47
Southeast	10,267	59	942	1,712	4,023	2,060	925	430	115
Fox Valley	1,685	n/s	111	302	718	314	152	67	20
Northeast	1,770	8	144	318	737	318	171	59	14
Western	2,079	n/s	134	332	918	387	207	75	22
North Central	1,329	n/s	64	260	574	244	118	51	15
Northwest	509	n/s	36	74	218	110	45	16	9

Table 13b. Percent of Births to Unmarried Mothers by Age and Region, Wisconsin 2003

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	21,497	0.4%	7.9%	16.9%	41.0%	19.5%	9.2%	4.0%	1.1%
DHFS Regions									
Southern	3,482	0.1	6.9	16.1	42.2	20.1	9.2	4.2	1.2
Southeastern	10,445	0.6	9.2	16.7	39.3	19.9	9.0	4.2	1.1
Northeastern	3,800	0.3	7.3	18.2	41.6	18.7	9.3	3.7	1.0
Western	2,387	n/s	7.0	15.6	44.8	18.5	9.4	3.4	1.2
Northern	1,383	n/s	4.3	19.2	42.4	19.3	9.5	4.0	1.1
Perinatal Regions									
South Central	3,858	0.2	7.2	16.3	42.0	19.7	9.1	4.1	1.2
Southeast	10,267	0.6	9.2	16.7	39.2	20.1	9.0	4.2	1.1
Fox Valley	1,685	n/s	6.6	17.9	42.6	18.6	9.0	4.0	1.2
Northeast	1,770	0.5	8.1	18.0	41.6	18.0	9.7	3.3	0.8
Western	2,079	n/s	6.4	16.0	44.2	18.6	10.0	3.6	1.1
North Central	1,329	n/s	4.8	19.6	43.2	18.4	8.9	3.8	1.1
Northwest	509	n/s	7.1	14.5	42.8	21.6	8.8	3.1	1.8

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

Notes: Included in the totals are 3 births for which age of mother was not reported. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 97 and 98). 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 7a).

Table 14. Births by Trimester Prenatal Care Began and County of Residence, Wisconsin 2003

County	Total	Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
		First	Second	Third	No Care	2003	2002	2001
Total	69,999	59,296	8,418	1,618	525	84.7%	84.2%	83.7%
Adams	161	130	27	3	1	80.7	75.0	75.4
Ashland	208	175	30	2	1	84.1	85.3	80.5
Barron	540	466	64	9	-	86.3	86.2	81.4
Bayfield	111	84	21	5	1	75.7	85.4	84.4
Brown	3,364	2,830	424	84	25	84.1	83.2	84.2
Buffalo	150	131	12	7	-	87.3	90.0	83.2
Burnett	138	100	21	13	2	72.5	82.0	76.1
Calumet	640	564	66	7	2	88.1	89.4	90.3
Chippewa	681	593	75	11	2	87.1	85.9	82.9
Clark	532	316	160	42	14	59.4	59.7	59.8
Columbia	646	567	55	20	3	87.8	83.8	85.6
Crawford	224	180	39	4	1	80.4	82.2	73.9
Dane	5,725	5,047	573	83	20	88.2	87.9	88.4
Dodge	963	840	105	16	-	87.2	86.1	88.0
Door	265	236	25	3	1	89.1	84.1	88.5
Douglas	501	440	50	7	3	87.8	87.8	86.4
Dunn	470	402	53	9	4	85.5	85.1	79.6
Eau Claire	1,110	951	122	28	8	85.7	81.2	83.0
Florence	37	33	4	-	-	89.2	94.4	90.0
Fond du Lac	1,209	1,053	109	36	11	87.1	85.5	81.9
Forest	122	110	11	1	-	90.2	83.0	82.0
Grant	584	467	91	19	5	80.0	79.2	78.2
Green	397	345	46	4	1	86.9	88.1	88.9
Green Lake	231	172	34	21	3	74.5	75.2	72.6
Iowa	308	271	29	7	1	88.0	90.4	89.0
Iron	53	44	8	-	1	83.0	88.1	95.8
Jackson	231	179	28	14	5	77.5	76.1	73.2
Jefferson	980	860	102	14	4	87.8	83.6	88.2
Juneau	285	235	39	10	1	82.5	74.5	78.2
Kenosha	2,160	1,873	230	37	16	86.7	84.7	82.7
Kewaunee	255	231	17	6	-	90.6	90.2	93.8
La Crosse	1,247	1,073	149	23	2	86.0	85.9	85.4
Lafayette	173	139	21	10	-	80.3	83.0	82.0
Langlade	212	182	29	1	-	85.8	83.6	85.0
Lincoln	284	234	43	3	1	82.4	89.2	86.9
Manitowoc	867	763	89	10	5	88.0	86.5	85.7
Marathon	1,546	1,233	262	45	5	79.8	78.2	77.2
Marinette	458	381	62	9	5	83.2	82.8	82.9
Marquette	165	117	40	7	1	70.9	77.3	77.2
Menominee	90	59	25	5	1	65.6	69.4	68.8
Milwaukee	14,793	11,899	2,286	429	163	80.4	79.3	79.3
Monroe	624	478	84	39	17	76.6	72.6	75.4

(Continued)

Table 14. Births by Trimester Prenatal Care Began and County of Residence, Wisconsin 2003

County	Total	Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
		First	Second	Third	No Care	2003	2002	2001
Oconto	392	331	52	9	-	84.4	85.6	87.5
Oneida	301	271	25	4	1	90.0	89.3	89.9
Outagamie	2,255	1,954	253	35	13	86.7	86.8	84.1
Ozaukee	874	831	36	3	4	95.1	92.2	96.0
Pepin	79	61	13	5	-	77.2	82.1	70.5
Pierce	481	430	38	4	1	89.4	87.6	84.1
Polk	477	396	63	11	-	83.0	83.4	83.5
Portage	772	657	85	24	5	85.1	83.6	83.6
Price	123	103	14	6	-	83.7	86.9	88.5
Racine	2,539	2,097	312	87	21	82.6	81.9	80.2
Richland	205	166	29	8	2	81.0	76.3	80.4
Rock	2,055	1,809	205	33	6	88.0	88.8	86.0
Rusk	170	135	27	6	1	79.4	88.8	77.8
St. Croix	1,018	887	101	6	1	87.1	89.0	87.9
Sauk	730	622	85	16	5	85.2	83.0	83.5
Sawyer	157	116	33	4	1	73.9	72.5	78.0
Shawano	479	388	73	15	3	81.0	81.5	85.1
Sheboygan	1,376	1,194	144	28	8	86.8	87.8	84.3
Taylor	242	189	44	6	2	78.1	80.4	75.6
Trempealeau	338	285	38	11	4	84.3	83.5	83.0
Vernon	409	268	72	59	8	65.5	60.9	62.3
Vilas	186	153	23	7	1	82.3	84.7	87.1
Walworth	1,160	955	171	29	4	82.3	84.4	82.2
Washburn	183	157	21	2	2	85.8	81.1	77.6
Washington	1,489	1,370	104	11	4	92.0	92.7	93.1
Waukesha	4,311	4,101	172	27	10	95.1	95.6	94.6
Waupaca	596	487	89	17	1	81.7	85.5	81.7
Waushara	247	193	46	7	-	78.1	77.8	75.0
Winnebago	1,745	1,495	160	26	63	85.7	86.0	85.7
Wood	870	712	130	9	18	81.8	82.0	81.7

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

Notes: Included in the totals are 142 births for which prenatal care initiation was not reported. A dash (-) indicates that there were no births in that category.

Table 15. Births by Trimester Prenatal Care Began and Region, Wisconsin 2003

	Total	Trimester Prenatal Care Began				No Care	Percent That Received First-Trimester Care		
		First	Second	Third	2003		2002	2001	
Total	69,999	59,296	8,418	1,618	525	84.7%	84.2%	83.7%	
DHFS Regions									
Southern	12,865	11,086	1,416	292	54	86.2	86.2	86.2	
Southeastern	28,306	23,986	3,413	637	226	84.7	84.0	83.7	
Northeastern	14,634	12,448	1,708	325	142	85.1	85.1	84.3	
Western	8,970	7,480	1,119	247	66	83.4	81.9	80.5	
Northern	5,224	4,296	762	117	37	82.2	82.3	81.8	
Perinatal Regions									
South Central	14,372	12,453	1,578	272	53	86.6	85.9	86.2	
Southeast	27,542	23,365	3,284	622	226	84.8	84.2	83.6	
Fox Valley	7,088	6,035	797	156	94	85.1	85.6	83.7	
Northeast	6,170	5,219	767	141	40	84.6	83.8	85.0	
Western	8,079	6,780	951	240	53	83.9	82.9	81.5	
North Central	5,397	4,328	857	154	48	80.2	80.4	79.5	
Northwest	1,351	1,116	184	33	11	82.6	83.8	82.5	

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

Notes: Included in the totals are 142 births for which prenatal care initiation was not reported. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 97 and 98).

Table 16. Births by Number of Prenatal Care Visits and County of Residence, Wisconsin 2003

County	Total	Number of Prenatal Care Visits					Percent of Births With <10 Visits
		No Visits	1-4	5-9	10-12	13+	
Total	69,999	525	1,774	12,952	31,269	23,289	21.8%
Adams	161	1	2	43	78	37	28.6
Ashland	208	1	3	45	75	83	23.6
Barron	540	-	16	73	262	188	16.5
Bayfield	111	1	7	23	30	50	27.9
Brown	3,364	25	69	617	1,499	1,151	21.1
Buffalo	150	-	5	33	60	52	25.3
Burnett	138	2	9	30	54	41	29.7
Calumet	640	2	7	129	339	161	21.6
Chippewa	681	2	37	306	194	142	50.7
Clark	532	14	66	196	152	104	51.9
Columbia	646	3	11	142	298	192	24.1
Crawford	224	1	6	38	120	59	20.1
Dane	5,725	20	71	989	2,509	2,134	18.9
Dodge	963	-	18	145	478	321	16.9
Door	265	1	-	34	129	101	13.2
Douglas	501	3	13	92	299	92	21.6
Dunn	470	4	10	101	214	137	24.5
Eau Claire	1,110	8	43	202	431	424	22.8
Florence	37	-	1	5	14	16	16.2
Fond du Lac	1,209	11	34	407	567	190	37.4
Forest	122	-	4	24	46	48	23.0
Grant	584	5	34	132	248	163	29.3
Green	397	1	3	45	146	200	12.3
Green Lake	231	3	17	40	79	92	26.0
Iowa	308	1	6	72	157	71	25.6
Iron	53	1	-	5	19	28	11.3
Jackson	231	5	10	38	96	79	22.9
Jefferson	980	4	7	122	477	368	13.6
Juneau	285	1	8	70	124	81	27.7
Kenosha	2,160	16	30	347	931	830	18.2
Kewaunee	255	-	3	49	113	90	20.4
La Crosse	1,247	2	26	394	417	406	33.8
Lafayette	173	-	12	42	64	55	31.2
Langlade	212	-	1	37	108	66	17.9
Lincoln	284	1	9	57	126	91	23.6
Manitowoc	867	5	16	122	405	318	16.5
Marathon	1,546	5	59	442	741	298	32.7
Marinette	458	5	7	55	191	200	14.6
Marquette	165	1	5	54	65	40	36.4
Menominee	90	1	6	44	20	19	56.7
Milwaukee	14,793	163	434	3,028	6,565	4,575	24.5
Monroe	624	17	70	98	176	258	29.6

(Continued)

Table 16. Births by Number of Prenatal Care Visits and County of Residence, Wisconsin 2003

County	Total	Number of Prenatal Care Visits					Percent of Births With <10 Visits
		No Visits	1-4	5-9	10-12	13+	
Oconto	392	-	10	75	171	135	21.7
Oneida	301	1	4	42	122	132	15.6
Outagamie	2,255	13	46	423	1,182	590	21.4
Ozaukee	874	4	6	74	455	335	9.6
Pepin	79	-	3	24	29	23	34.2
Pierce	481	1	12	98	214	142	23.1
Polk	477	-	12	105	187	163	24.5
Portage	772	5	19	118	326	303	18.4
Price	123	-	4	25	52	42	23.6
Racine	2,539	21	66	421	1,122	877	20.0
Richland	205	2	12	40	87	63	26.3
Rock	2,055	6	31	244	1,106	665	13.7
Rusk	170	1	14	69	61	24	49.4
St. Croix	1,018	1	10	237	503	241	24.4
Sauk	730	5	20	155	306	244	24.7
Sawyer	157	1	11	66	53	26	49.7
Shawano	479	3	18	112	219	127	27.8
Sheboygan	1,376	8	20	190	663	487	15.8
Taylor	242	2	14	54	86	85	28.9
Trempealeau	338	4	13	83	134	104	29.6
Vernon	409	8	82	89	108	121	43.8
Vilas	186	1	10	28	74	72	21.0
Walworth	1,160	4	26	224	577	328	21.9
Washburn	183	2	6	40	91	43	26.2
Washington	1,489	4	10	99	674	701	7.6
Waukesha	4,311	10	31	250	1,981	2,031	6.8
Waupaca	596	1	19	126	296	152	24.5
Waushara	247	-	5	55	105	81	24.3
Winnebago	1,745	63	27	266	761	628	20.4
Wood	870	18	18	153	408	273	21.7

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

Notes: Included in the totals are 190 births for which number of prenatal care visits was not reported. A dash (-) indicates that there were no births in that category.

Table 17. Births by Number of Prenatal Care Visits and Region, Wisconsin 2003

	Total	Number of Prenatal Care Visits					Percent of Births With <10 Visits
		No Visits	1-4	5-9	10-12	13+	
Total	69,999	525	1,774	12,952	31,269	23,289	21.8%
DHFS Regions							
Southern	12,865	54	316	2,246	5,829	4,406	20.3
Southeastern	28,306	226	610	4,565	12,782	10,045	19.1
Northeastern	14,634	142	309	2,798	6,804	4,562	22.2
Western	8,970	66	375	2,219	3,574	2,663	29.7
Northern	5,224	37	164	1,124	2,280	1,613	25.4
Perinatal Regions							
South Central	14,372	53	261	2,465	6,655	4,922	19.3
Southeast	27,542	226	597	4,409	12,391	9,836	19.0
Fox Valley	7,088	94	160	1,500	3,394	1,934	24.7
Northeast	6,170	40	129	1,108	2,747	2,141	20.7
Western	8,079	53	355	1,919	3,145	2,539	28.8
North Central	5,397	48	223	1,250	2,316	1,554	28.2
Northwest	1,351	11	49	301	621	363	26.7

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

Notes: Included in the totals are 190 births for which number of prenatal care visits was not reported. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 97 and 98).

Table 18. Births by Birthweight and County of Residence, Wisconsin 2003

County	Total Births	<1,500 Grams	1,500-	2,500+	Total	Percent	
			2,499 Grams		<2,500 Grams	Low Birthweight 2003	2002
Total	69,999	908	3,865	65,210	4,773	6.8%	6.6%
Adams	161	1	8	152	9	5.6	9.4
Ashland	208	2	7	199	9	4.3	5.5
Barron	540	5	32	503	37	6.9	7.4
Bayfield	111	1	8	102	9	8.1	6.6
Brown	3,364	45	200	3,118	245	7.3	5.8
Buffalo	150	-	9	141	9	6.0	5.6
Burnett	138	-	6	132	6	4.3	7.0
Calumet	640	7	23	610	30	4.7	4.8
Chippewa	681	11	36	634	47	6.9	6.6
Clark	532	4	25	503	29	5.5	5.5
Columbia	646	2	35	609	37	5.7	5.6
Crawford	224	4	16	204	20	8.9	5.4
Dane	5,725	49	293	5,381	342	6.0	6.5
Dodge	963	6	43	913	49	5.1	6.8
Door	265	2	14	249	16	6.0	8.4
Douglas	501	6	30	464	36	7.2	7.0
Dunn	470	5	27	438	32	6.8	6.3
Eau Claire	1,110	11	51	1,048	62	5.6	6.1
Florence	37	-	-	37	-	-	5.6
Fond du Lac	1,209	7	60	1,142	67	5.5	6.6
Forest	122	2	4	116	6	4.9	8.0
Grant	584	4	23	557	27	4.6	4.2
Green	397	3	24	370	27	6.8	5.0
Green Lake	231	2	7	222	9	3.9	4.1
Iowa	308	4	19	285	23	7.5	5.3
Iron	53	-	2	51	2	3.8	2.4
Jackson	231	-	17	214	17	7.4	9.3
Jefferson	980	14	35	931	49	5.0	5.6
Juneau	285	5	16	264	21	7.4	5.7
Kenosha	2,160	30	113	2,016	143	6.6	6.1
Kewaunee	255	2	12	241	14	5.5	6.0
La Crosse	1,247	16	74	1,156	90	7.2	6.2
Lafayette	173	-	7	165	7	4.0	4.1
Langlade	212	3	7	202	10	4.7	10.5
Lincoln	284	4	14	266	18	6.3	5.1
Manitowoc	867	14	52	801	66	7.6	5.0
Marathon	1,546	17	87	1,442	104	6.7	6.2
Marinette	458	5	26	427	31	6.8	6.1
Marquette	165	4	9	152	13	7.9	6.7
Menominee	90	2	4	84	6	6.7	5.9
Milwaukee	14,793	314	1,019	13,457	1,333	9.0	8.5
Monroe	624	5	38	581	43	6.9	5.9

(Continued)

Table 18. Births by Birthweight and County of Residence, Wisconsin 2003

County	Total Births	<1,500 Grams	1,500-2,499 Grams	2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight	
						2003	2002
Oconto	392	3	18	371	21	5.4	2.9
Oneida	301	1	15	285	16	5.3	8.0
Outagamie	2,255	24	110	2,121	134	5.9	7.1
Ozaukee	874	10	38	826	48	5.5	6.3
Pepin	79	-	5	74	5	6.3	7.1
Pierce	481	10	28	443	38	7.9	7.5
Polk	477	7	19	451	26	5.5	6.2
Portage	772	5	33	734	38	4.9	4.8
Price	123	-	3	120	3	2.4	6.6
Racine	2,539	49	148	2,340	197	7.8	7.6
Richland	205	3	12	190	15	7.3	3.9
Rock	2,055	21	128	1,906	149	7.3	7.2
Rusk	170	2	11	157	13	7.6	6.3
St. Croix	1,018	12	60	946	72	7.1	5.2
Sauk	730	7	34	688	41	5.6	7.9
Sawyer	157	2	9	146	11	7.0	5.3
Shawano	479	1	24	454	25	5.2	5.0
Sheboygan	1,376	14	62	1,300	76	5.5	4.8
Taylor	242	1	9	231	10	4.1	5.2
Trempealeau	338	2	21	315	23	6.8	2.8
Vernon	409	-	15	394	15	3.7	4.2
Vilas	186	2	10	174	12	6.5	6.3
Walworth	1,160	8	48	1,104	56	4.8	6.4
Washburn	183	5	11	167	16	8.7	3.1
Washington	1,489	15	53	1,421	68	4.6	6.1
Waukesha	4,311	41	226	4,044	267	6.2	5.7
Waupaca	596	10	35	551	45	7.6	5.5
Waushara	247	5	14	228	19	7.7	5.9
Winnebago	1,745	22	95	1,627	117	6.7	6.4
Wood	870	8	39	823	47	5.4	6.7

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

Notes: Included in the totals are 16 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 births in that category.

Table 19. Births by Birthweight and Region, Wisconsin 2003

	Total Births	<1,500 Grams	1,500-2,499 Grams	2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight	
						2002	2001
Total	69,999	908	3,865	65,210	4,773	6.8%	6.6%
DHFS Regions							
Southern	12,865	109	673	12,078	782	6.1	6.4
Southeastern	28,306	481	1,680	26,139	2,161	7.6	7.4
Northeastern	14,634	169	765	13,698	934	6.4	5.9
Western	8,970	101	500	8,367	601	6.7	6.1
Northern	5,224	48	247	4,928	295	5.6	6.2
Perinatal Regions							
South Central	14,372	127	725	13,515	852	5.9	6.4
Southeast	27,542	473	1,659	25,404	2,132	7.7	7.4
Fox Valley	7,088	81	353	6,653	434	6.1	6.4
Northeast	6,170	74	350	5,745	424	6.9	5.5
Western	8,079	88	448	7,542	536	6.6	6.1
North Central	5,397	49	257	5,090	306	5.7	6.2
Northwest	1,351	16	73	1,261	89	6.6	5.9

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

Notes: Included in the totals are 16 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 maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 97 and 98).

Mortality

Local and Regional Information

Table 20. Fetal, Neonatal, Postneonatal and Infant Deaths by County of Residence, Wisconsin 2003

County	Fetal Deaths (Gestation \geq 20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Total	344	309	145	454
Adams	1	-	2	2
Ashland	-	2	-	2
Barron	5	3	1	4
Bayfield	1	1	-	1
Brown	15	16	6	22
Buffalo	-	-	-	-
Burnett	1	-	-	-
Calumet	4	2	1	3
Chippewa	4	2	3	5
Clark	2	3	2	5
Columbia	3	1	1	2
Crawford	-	-	-	-
Dane	23	16	7	23
Dodge	4	3	1	4
Door	3	-	-	-
Douglas	-	2	1	3
Dunn	1	3	-	3
Eau Claire	5	6	1	7
Florence	-	-	-	-
Fond du Lac	2	4	3	7
Forest	-	-	-	-
Grant	3	3	1	4
Green	2	-	-	-
Green Lake	1	2	1	3
Iowa	2	-	-	-
Iron	-	-	-	-
Jackson	1	-	3	3
Jefferson	2	2	4	6
Juneau	-	4	1	5
Kenosha	17	7	4	11
Kewaunee	-	-	-	-
La Crosse	5	5	1	6
Lafayette	2	-	-	-
Langlade	-	2	2	4
Lincoln	-	3	1	4
Manitowoc	2	4	2	6

(Continued)

Mortality

Local and Regional Information

Table 20. Fetal, Neonatal, Postneonatal and Infant Deaths by County of Residence, Wisconsin 2003

County	Fetal Deaths (Gestation \geq 20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Marathon	9	8	2	10
Marinette	-	2	1	3
Marquette	2	1	-	1
Menominee	-	1	-	1
Milwaukee	76	100	47	147
Monroe	4	-	2	2
Oconto	-	3	-	3
Oneida	1	2	-	2
Outagamie	17	11	6	17
Ozaukee	4	2	1	3
Pepin	-	-	-	-
Pierce	-	3	2	5
Polk	3	3	-	3
Portage	3	2	-	2
Price	1	-	-	-
Racine	16	18	8	26
Richland	1	-	-	-
Rock	10	6	4	10
Rusk	1	3	-	3
St. Croix	3	3	2	5
Sauk	4	-	1	1
Sawyer	-	2	-	2
Shawano	2	-	2	2
Sheboygan	9	6	2	8
Taylor	2	2	-	2
Trempealeau	2	1	-	1
Vernon	3	-	1	1
Vilas	3	1	-	1
Walworth	5	1	1	2
Washburn	1	3	-	3
Washington	6	4	2	6
Waukesha	20	11	4	15
Waupaca	3	3	5	8
Waushara	3	1	-	1
Winnebago	12	8	3	11
Wood	7	2	-	2
Unknown	-	-	-	-

Source: Fetal death and matched birth-death files, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

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

Table 21a. Fetal, Neonatal, Postneonatal and Infant Deaths by Region, Wisconsin 2003

	Fetal Deaths (Gestation \geq 20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Total	344	309	145	454
DHFS Region				
Southern	58	33	19	52
Southeastern	146	145	71	216
Northeastern	75	64	32	96
Western	38	40	18	58
Northern	27	27	5	32
Perinatal Regions				
South Central	62	36	23	59
Southeast	148	148	68	216
Fox Valley	44	32	19	51
Northeast	22	26	11	37
Western	36	29	16	45
North Central	29	28	7	35
Northwest	3	10	1	11

Table 21b. Rates of Fetal, Neonatal, Postneonatal and Infant Deaths by Region, Wisconsin 2003

	Fetal Deaths (Gestation \geq 20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Total	4.9	4.4	2.1	6.5
DHFS Region				
Southern	4.5	2.6	-	4.0
Southeastern	5.1	5.1	2.5	7.6
Northeastern	5.1	4.4	2.2	6.6
Western	4.2	4.5	-	6.5
Northern	5.1	5.2	-	6.1
Perinatal Regions				
South Central	4.3	2.5	1.6	4.1
Southeast	5.3	5.4	2.5	7.8
Fox Valley	6.2	4.5	-	7.2
Northeast	3.6	4.2	-	6.0
Western	4.4	3.6	-	5.6
North Central	5.3	5.2	-	6.5
Northwest	-	-	-	-

Source: Fetal death and matched birth-death files, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: 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.

Table 22. Fetal, Neonatal, Postneonatal and Infant Deaths by Selected Places, Wisconsin 2003

City of Residence	Fetal Deaths (Gestation \geq20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Appleton	12	2	2	4
Beloit	3	3	-	3
Brookfield	2	-	1	1
Caledonia (T)	-	-	-	-
De Pere	-	3	-	3
Eau Claire	5	6	2	8
Fitchburg	-	3	1	4
Fond du Lac	-	2	1	3
Franklin	2	2	1	3
Green Bay	10	8	4	12
Greenfield	-	2	-	2
Janesville	7	2	3	5
Kenosha	15	6	4	10
La Crosse	3	4	-	4
Madison	17	8	4	12
Manitowoc	-	3	-	3
Menomonee Falls (V)	2	1	1	2
Mequon/Thiensville	1	-	-	-
Milwaukee	64	85	41	126
Mount Pleasant (T)	1	1	-	1
Muskego	-	-	-	-
Neenah/Menasha	2	4	-	4
New Berlin	2	-	-	-
Oak Creek	2	-	1	1
Oshkosh	7	2	2	4
Racine	11	14	7	21
Sheboygan	5	3	2	5
South Milwaukee	-	2	-	2
Stevens Point	3	1	-	1
Sun Prairie	1	1	-	1
Superior	-	2	1	3
Watertown	1	-	-	-
Waukesha	7	6	1	7
Wausau	3	2	-	2
Wauwatosa	-	3	1	4
West Allis	2	4	2	6
West Bend	4	-	1	1

Source: Fetal death and matched birth-death files, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: A dash (-) indicates that there were no events in that category. This table includes cities, townships (T) and villages (V) with a population of 20,000 or more according to population estimates from the United States Census Bureau and the Wisconsin Department of Administration, Demographic Services Center. These population estimates are provisional and subject to revision. Combined areas include: Mequon (C) with Thiensville (V); and Neenah (C) with Menasha (C).

Table 23. Number of Births by County of Residence, Wisconsin 1980-2003

County	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	74,763	74,309	74,327	72,499	73,050	73,647	72,229	70,907	70,711	71,890
Adams	179	177	175	164	182	170	170	164	173	144
Ashland	279	302	282	295	256	248	274	220	256	249
Barron	654	693	745	679	672	628	578	567	571	557
Bayfield	219	212	209	230	200	193	187	174	174	153
Brown	2,802	2,824	2,833	2,856	2,821	2,917	2,829	2,910	2,847	2,968
Buffalo	236	197	239	229	184	227	213	220	165	175
Burnett	167	203	179	194	162	160	157	152	142	164
Calumet	546	519	556	551	550	514	567	546	536	538
Chippewa	903	924	854	920	851	867	822	709	715	738
Clark	641	581	587	576	533	514	468	488	518	434
Columbia	667	668	682	655	624	650	657	608	579	585
Crawford	293	284	296	276	272	239	251	250	241	203
Dane	4,685	4,638	4,684	4,657	4,902	4,984	5,067	5,124	5,070	5,136
Dodge	1,186	1,173	1,187	1,108	1,115	1,146	1,115	1,055	1,020	1,029
Door	412	397	406	379	345	400	368	376	317	320
Douglas	702	713	676	645	580	590	549	547	532	517
Dunn	537	536	551	503	506	501	467	398	436	436
Eau Claire	1,117	1,265	1,255	1,185	1,203	1,201	1,111	1,178	1,237	1,238
Florence	55	64	66	54	50	63	51	45	57	26
Fond du Lac	1,512	1,406	1,409	1,333	1,382	1,368	1,316	1,247	1,248	1,162
Forest	140	161	147	156	144	156	136	152	136	114
Grant	867	814	812	805	785	743	753	713	626	635
Green	483	471	514	507	439	471	469	404	404	429
Green Lake	262	325	287	310	279	266	240	230	237	214
Iowa	345	342	340	366	335	319	346	305	306	302
Iron	84	72	86	64	63	76	63	68	66	55
Jackson	276	271	291	257	236	240	228	230	249	229
Jefferson	973	1,029	952	953	987	1,004	893	901	849	927
Juneau	347	355	331	343	327	339	301	323	279	278
Kenosha	1,826	1,815	1,789	1,839	1,796	1,910	1,787	1,931	1,909	2,077
Kewaunee	323	347	311	303	336	303	274	301	227	259
La Crosse	1,350	1,396	1,372	1,470	1,443	1,394	1,408	1,365	1,362	1,388
Lafayette	289	339	300	321	314	271	265	229	213	220
Langlade	287	313	271	334	276	259	299	249	280	242
Lincoln	406	460	383	384	405	363	323	349	315	372
Manitowoc	1,338	1,262	1,345	1,208	1,263	1,228	1,127	1,136	1,040	1,035

(Continued)

Table 23. Number of Births by County of Residence, Wisconsin 1980-2003

County	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Marathon	1,930	1,806	1,804	1,728	1,730	1,812	1,650	1,644	1,620	1,685
Marinette	662	671	578	559	551	592	562	535	494	471
Marquette	167	163	183	148	184	158	175	169	141	149
Menominee	111	96	108	116	112	132	151	138	113	114
Milwaukee	15,842	15,806	16,063	15,631	15,887	16,296	16,254	16,035	16,358	17,009
Monroe	607	582	638	564	581	600	555	552	569	622
Oconto	469	435	461	415	458	451	453	413	433	410
Oneida	423	467	429	425	455	437	423	373	387	365
Outagamie	2,340	2,229	2,172	2,197	2,171	2,320	2,180	2,227	2,268	2,258
Ozaukee	992	963	932	935	943	960	954	955	947	973
Pepin	128	127	112	131	128	94	122	97	98	87
Pierce	507	527	532	484	494	492	498	434	452	436
Polk	506	561	560	520	596	506	488	506	466	441
Portage	928	891	896	851	956	876	903	818	850	804
Price	242	232	243	238	238	225	215	182	209	190
Racine	2,980	2,855	2,717	2,691	2,794	2,641	2,653	2,661	2,640	2,782
Richland	275	302	281	278	284	267	228	246	219	234
Rock	2,256	2,115	2,196	2,088	2,116	2,189	2,183	2,106	2,079	2,120
Rusk	222	251	259	256	258	216	234	203	202	229
St. Croix	835	773	762	788	815	741	805	824	740	817
Sauk	654	696	691	661	697	690	674	671	663	669
Sawyer	219	239	228	215	224	203	224	228	196	187
Shawano	528	543	550	536	530	488	499	507	531	501
Sheboygan	1,588	1,595	1,588	1,515	1,517	1,507	1,492	1,379	1,397	1,380
Taylor	379	339	370	345	340	354	294	280	309	292
Trempealeau	373	416	400	387	392	370	352	324	316	327
Vernon	408	440	408	376	409	409	406	328	344	356
Vilas	228	218	226	222	236	240	214	228	190	195
Walworth	1,026	971	1,053	915	896	1,009	951	914	995	891
Washburn	226	202	208	210	227	198	201	171	158	157
Washington	1,442	1,422	1,387	1,359	1,359	1,383	1,335	1,305	1,315	1,335
Waukesha	3,841	3,824	3,808	3,610	3,661	3,727	3,799	3,779	3,940	4,038
Waupaca	697	690	677	660	625	656	637	597	603	604
Waushara	243	236	267	294	241	247	266	259	231	234
Winnebago	1,901	1,867	1,945	1,887	1,961	2,028	1,964	1,894	1,901	1,909
Wood	1,199	1,211	1,192	1,155	1,166	1,211	1,106	1,061	1,005	1,070
Unknown	1	-	1	-	-	-	-	-	-	1

(Continued)

Table 23. Number of Births by County of Residence, Wisconsin 1980-2003

County	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	72,636	72,039	70,662	69,760	68,267	67,493	67,076	66,490	67,379	68,181
Adams	175	162	189	163	162	167	184	157	167	179
Ashland	202	197	207	225	199	239	234	202	208	195
Barron	579	553	556	496	517	550	503	463	475	506
Bayfield	155	150	183	157	141	135	149	147	139	150
Brown	3,169	3,141	2,947	3,035	3,051	2,962	3,050	3,051	3,130	3,098
Buffalo	176	182	156	169	156	165	146	143	143	159
Burnett	143	149	154	142	135	171	147	133	149	146
Calumet	491	478	524	485	495	488	466	452	480	504
Chippewa	704	720	668	675	643	633	590	638	633	684
Clark	464	429	405	434	452	448	467	470	537	493
Columbia	610	605	584	640	610	607	616	633	620	623
Crawford	230	206	203	184	197	215	183	182	206	202
Dane	5,306	5,224	5,209	5,181	4,848	5,023	4,976	5,023	5,125	5,189
Dodge	985	995	938	1,013	936	947	976	926	944	986
Door	325	322	298	305	270	254	260	218	239	265
Douglas	540	599	532	525	527	493	532	507	509	468
Dunn	417	399	451	428	439	444	434	466	471	441
Eau Claire	1,208	1,188	1,134	1,163	1,133	1,118	1,079	1,105	1,058	1,084
Florence	-	62	66	45	48	36	48	38	33	49
Fond du Lac	1,270	1,224	1,215	1,107	1,128	1,119	1,138	1,118	1,141	1,202
Forest	132	134	136	138	125	137	92	117	93	114
Grant	661	606	595	555	544	561	497	526	505	476
Green	418	420	419	380	368	390	408	370	379	392
Green Lake	241	217	198	187	204	192	208	216	228	214
Iowa	318	289	292	279	254	296	260	259	290	297
Iron	68	65	55	64	66	63	57	63	38	20
Jackson	217	219	215	217	204	189	193	211	198	198
Jefferson	873	872	824	898	877	852	891	914	892	939
Juneau	277	307	305	277	296	308	264	271	277	282
Kenosha	2,043	2,234	2,167	2,039	2,026	2,040	2,008	2,027	2,077	2,162
Kewaunee	237	216	229	226	216	218	214	228	220	240
La Crosse	1,416	1,406	1,364	1,346	1,343	1,267	1,236	1,327	1,267	1,238
Lafayette	227	240	214	198	180	176	180	159	175	169
Langlade	232	244	263	266	219	228	214	229	199	236
Lincoln	343	332	358	343	356	320	338	329	304	342
Manitowoc	1,072	1,060	1,006	1,000	955	898	941	902	922	918

(Continued)

Table 23. Number of Births by County of Residence, Wisconsin 1980-2003

County	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Marathon	1,685	1,651	1,664	1,631	1,649	1,585	1,621	1,581	1,476	1,484
Marinette	431	508	428	492	467	454	424	424	445	398
Marquette	148	137	138	138	147	121	147	177	126	176
Menominee	128	128	115	118	76	92	91	95	89	97
Milwaukee	17,013	16,686	16,547	16,076	15,539	15,067	14,791	14,338	14,733	14,832
Monroe	591	569	564	537	514	529	557	511	549	510
Oconto	398	404	370	392	360	388	374	347	367	379
Oneida	371	355	387	361	382	352	326	347	332	313
Outagamie	2,273	2,273	2,212	2,134	2,166	2,056	2,101	2,176	2,172	2,191
Ozaukee	945	964	950	956	929	934	961	860	967	871
Penin	90	100	83	80	76	83	75	87	81	98
Pierce	477	423	398	405	435	403	373	344	434	379
Polk	529	461	453	469	463	470	409	415	425	471
Portage	913	804	851	815	814	788	796	759	741	789
Price	185	206	178	181	157	184	154	150	157	141
Racine	2,697	2,771	2,617	2,690	2,561	2,512	2,592	2,564	2,633	2,534
Richland	219	213	201	200	208	196	187	192	199	193
Rock	2,166	2,155	2,121	2,149	2,021	1,963	1,969	1,990	2,040	2,013
Rusk	213	195	192	222	195	192	161	162	158	176
St. Croix	840	797	819	713	754	725	767	758	777	886
Sauk	670	648	620	678	662	670	676	697	711	671
Sawyer	176	178	200	176	199	196	188	175	154	161
Shawano	525	497	463	449	454	456	458	438	467	480
Sheboygan	1,401	1,369	1,343	1,351	1,389	1,336	1,333	1,348	1,323	1,380
Taylor	289	258	248	247	232	221	225	198	225	229
Trempealeau	369	356	367	333	348	315	326	328	337	296
Vernon	332	352	318	319	334	351	338	347	344	374
Vilas	201	208	205	201	152	205	167	171	175	170
Walworth	996	999	935	911	978	952	1,019	1,019	1,067	1,107
Washburn	159	141	167	162	155	168	148	144	148	155
Washington	1,349	1,421	1,396	1,405	1,393	1,440	1,456	1,415	1,469	1,566
Waukesha	4,046	4,058	4,026	3,963	4,122	4,120	4,138	4,156	4,124	4,284
Waupaca	667	640	661	630	599	619	617	573	596	599
Waushara	245	240	237	225	231	240	219	236	240	217
Winnebago	1,936	1,983	1,883	1,901	1,864	1,838	1,756	1,826	1,725	1,798
Wood	1,039	1,045	1,046	1,065	921	923	957	922	902	903
Unknown	-	-	-	-	1	-	-	-	-	-

(Continued)

Table 23. Number of Births by County of Residence, Wisconsin 1980-2003

County	2000	2001	2002	2003
Total	69,289	69,012	68,510	69,999
Adams	158	179	160	161
Ashland	224	190	211	208
Barron	466	472	514	540
Bayfield	141	135	151	111
Brown	3,212	3,232	3,282	3,364
Buffalo	163	143	160	150
Burnett	136	155	172	138
Calumet	513	597	566	640
Chippewa	673	672	695	681
Clark	496	518	526	532
Columbia	616	651	622	646
Crawford	183	199	185	224
Dane	5,555	5,520	5,561	5,725
Dodge	994	926	950	963
Door	232	262	226	265
Douglas	513	513	474	501
Dunn	483	445	464	470
Eau Claire	1,116	1,146	1,098	1,110
Florence	36	40	36	37
Fond du Lac	1,151	1,091	1,132	1,209
Forest	114	100	100	122
Grant	540	547	548	584
Green	402	397	377	397
Green Lake	219	230	222	231
Iowa	263	310	301	308
Iron	40	48	42	53
Jackson	233	205	226	231
Jefferson	931	914	960	980
Juneau	275	252	298	285
Kenosha	2,151	2,119	2,091	2,160
Kewaunee	224	243	235	255
La Crosse	1,234	1,260	1,253	1,247
Lafayette	174	200	194	173
Langlade	209	213	238	212
Lincoln	281	329	334	284
Manitowoc	894	908	846	867

(Continued)

Table 23. Number of Births by County of Residence, Wisconsin 1980-2003

County	2000	2001	2002	2003
Marathon	1,520	1,534	1,503	1,546
Marinette	457	386	395	458
Marquette	146	162	150	165
Menominee	93	93	85	90
Milwaukee	14,846	14,727	14,332	14,793
Monroe	602	593	559	624
Oconto	383	392	383	392
Oneida	316	278	327	301
Outagamie	2,289	2,244	2,337	2,255
Ozaukee	869	867	925	874
Pepin	79	88	84	79
Pierce	412	383	411	481
Polk	454	508	435	477
Portage	805	743	706	772
Price	125	139	137	123
Racine	2,650	2,581	2,540	2,539
Richland	201	204	207	205
Rock	2,075	2,028	1,966	2,055
Rusk	148	185	160	170
St. Croix	908	912	998	1,018
Sauk	755	701	722	730
Sawyer	182	182	171	157
Shawano	470	462	464	479
Sheboygan	1,437	1,339	1,380	1,376
Taylor	247	246	230	242
Trempealeau	322	330	284	338
Vernon	390	377	381	409
Vilas	155	194	189	186
Walworth	1,102	1,136	1,161	1,160
Washburn	163	156	159	183
Washington	1,490	1,484	1,517	1,489
Waukesha	4,357	4,421	4,268	4,311
Waupaca	567	602	598	596
Waushara	225	232	239	247
Winnebago	1,926	1,851	1,845	1,745
Wood	878	891	812	870
Unknown	-	-	-	-

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

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 births in that category.

Table 24. Number and Rate of Births by Age of Mother, Wisconsin 1980-2003

Year		Crude Rate	Age of Mother					
			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
1998	Number		67,379	111	2,366	4,570	7,047	14,632
	Rate	12.8	58.1		19.4	57.7	35.1	86.8
1999	Number		68,181	116	2,432	4,760	7,308	14,986
	Rate	12.9	58.8		20.2	57.4	36.0	86.9
2000	Number		69,289	99	2,225	4,753	7,077	15,606
	Rate	12.9	59.9		19.6	59.4	35.7	89.2
2001	Number		69,012	80	2,167	4,602	6,849	15,951
	Rate	12.7	59.0		18.8	56.9	34.2	90.2
2002	Number		68,510	108	1,898	4,528	6,534	15,688
	Rate	12.6	58.7		17.0	55.5	32.7	80.7
2003	Number		69,999	85	1,861	4,371	6,317	16,011
	Rate	12.7	60.4		16.3	54.6	31.6	80.9

(Continued)

Table 24. Number and Rate of Births by Age of Mother, Wisconsin 1980-2003

Year		Age of Mother						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		
1998	Number	19,932	17,126	7,385	1,252	1,191	61	5
	Rate	117.7	90.5	33.8	5.9	5.6		
1999	Number	19,716	17,407	7,427	1,328	1,257	71	9
	Rate	119.8	93.8	34.3	6.1	5.8		
2000	Number	19,594	17,692	7,776	1,539	1,463	76	5
	Rate	119.5	96.2	35.7	7.0	6.7		
2001	Number	19,176	17,745	7,737	1,552	1,480	72	2
	Rate	115.8	95.5	35.2	7.0	6.7		
2002	Number	19,462	17,527	7,746	1,544	1,478	66	9
	Rate	121.8	97.3	37.6	6.8	6.5		
2003	Number	20,157	17,855	8,087	1,557	1,486	71	15
	Rate	123.7	102.6	40.8	6.9	6.6		

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

Notes: Rates shown for ages 15-17 include births to mothers less than 15 years old, with population ages 15-17.
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 25. Total Births and Births to Teenagers and Unmarried Mothers, Wisconsin 1980-2003

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	68,267	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
1998	67,379	12.8	2,477	3.7	4,570	6.8	19,599	29.1
1999	68,181	12.9	2,548	3.7	4,760	7.0	20,131	29.5
2000	69,289	12.9	2,324	3.4	4,753	6.9	20,543	29.6
2001	69,012	12.7	2,247	3.3	4,602	6.7	20,879	30.3
2002	68,510	12.6	2,006	2.9	4,528	6.6	20,707	30.2
2003	69,999	12.7	1,946	2.8	4,371	6.2	21,497	30.7

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

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

** Percentages are based on total live births.

Table 26. Births by Selected Birth Indicators, Wisconsin 1980-2003

Year	Birth Order 4 and Above		Prenatal Care During First Trimester		Birthweight Less Than 2,500 Grams		Premature (Gestation <37 Weeks)		Congenital Anomalies	
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	Number	Rate**
1980	7,035	9.4	61,796	82.7	4,037	5.4	4,037	5.4	795	10.6
1981	7,054	9.5	61,582	82.9	3,925	5.3	3,925	5.3	926	12.5
1982	6,677	9.0	61,420	82.6	3,734	5.0	3,734	5.0	877	11.8
1983	6,904	9.5	60,240	83.1	3,943	5.4	4,629	6.4	983	13.6
1984	6,973	9.5	61,225	83.8	3,756	5.1	4,488	6.1	1,103	15.1
1985	7,206	9.8	60,859	82.6	3,889	5.3	4,720	6.4	1,006	13.7
1986	7,587	10.5	59,652	82.6	3,876	5.4	4,802	6.6	952	13.2
1987	7,387	10.4	58,882	83.0	3,849	5.4	4,825	6.8	1,144	16.1
1988	7,849	11.1	58,551	82.8	3,857	5.5	4,834	6.8	1,197	16.9
1989	8,022	11.2	58,564	81.5	4,145	5.8	6,098	8.5	1,742	24.2
1990	8,272	11.4	59,275	81.6	4,284	5.9	6,517	9.0	1,523	21.0
1991	8,323	11.6	58,705	81.5	4,435	6.2	6,794	9.4	1,355	18.8
1992	8,396	11.9	57,804	81.8	4,204	5.9	6,524	9.2	1,260	17.8
1993	8,274	11.9	57,251	82.1	4,299	6.2	6,576	9.4	1,098	15.7
1994	8,149	11.9	56,717	83.1	4,358	6.4	6,795	10.0	847	12.4
1995	7,935	11.8	56,155	83.2	4,066	6.0	6,566	9.7	899	13.3
1996	7,689	11.5	56,273	83.9	4,217	6.3	6,607	9.9	912	13.6
1997	7,622	11.5	56,112	84.4	4,262	6.4	6,718	10.1	1,038	15.6
1998	7,644	11.3	56,645	84.1	4,412	6.5	6,910	10.3	988	14.7
1999	7,494	11.0	57,203	83.9	4,552	6.7	7,108	10.4	908	13.3
2000	7,800	11.3	58,129	83.9	4,526	6.5	7,197	10.4	902	13.0
2001	7,897	11.4	57,747	83.7	4,557	6.6	7,433	10.8	876	12.7
2002	7,578	11.1	57,686	84.2	4,549	6.6	6,928	10.1	879	12.8
2003	7,808	11.2	59,296	84.7	4,773	6.8	7,287	10.4	890	12.7

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

* Percentages are based on total live births.

** Rates are per 1,000 live births.

Notes: "Premature" means less than 37 weeks of gestation. Since 1980, gestational age has been calculated as the difference between the date of last normal menses and the date of delivery. Since 1993, clinical estimate of gestation has been substituted when date of last normal menses is unknown. Data for 1989-1992 shown on this page were recalculated to make them comparable with data for subsequent years, and differ from previously published data. (See Figure 17, page 25.) Caution is advised in making comparisons between data for 1989-2003 and data for the years before 1989.

See Technical Notes (page 99) regarding comparability of data on congenital anomalies since 1989.

Table 27. Infant, Neonatal, Fetal and Perinatal Deaths and Mortality Rates, Wisconsin 1980-2003

Year	Infant Deaths			Neonatal Deaths			Fetal Deaths			Perinatal Deaths		
	Wisconsin Number	Wisconsin Rate*	U.S. Rate*	Wisconsin Number	Wisconsin Rate*	U.S. Rate*	Wisconsin Number	Wisconsin Rate**	U.S. Rate**	Wisconsin Number	Wisconsin 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	7.2	294	4.4	4.8	361	5.4	6.8	655	9.8	11.5
1998	488	7.2	7.2	343	5.1	4.8	401	5.9	6.7	744	11.0	n/a
1999	456	6.7	7.1	294	4.3	4.7	353	5.2	n/a	647	9.4	n/a
2000	457	6.6	6.9	302	4.4	4.6	414	5.9	n/a	716	10.3	n/a
2001	491	7.1	6.8	323	4.7	4.5	375	5.4	n/a	698	10.1	n/a
2002	471	6.9	n/a	324	4.7	n/a	379	5.5	n/a	703	10.2	n/a
2003	454	6.5	n/a	309	4.4	n/a	344	4.9	n/a	653	9.3	n/a

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

* 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 1992-1997 are from the National Center for Health Statistics (unpublished data). See Technical Notes (page 100) for definition of perinatal deaths.

Table A1. Number of Births by Age of Mother and Selected Characteristics, Wisconsin 2003

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	69,999	85	1,861	4,371	16,011	20,157	17,855	8,087	1,486	71
Education										
Elem. or Less	2,462	63	170	143	631	672	441	253	78	11
Some H.S.	8,389	22	1,554	1,680	2,920	1,353	568	234	54	4
H.S. Grad	20,741	-	115	2,254	7,526	5,496	3,385	1,610	336	16
Some College	16,612	-	-	271	3,917	5,674	4,411	1,959	363	17
College Grad	12,359	-	-	-	728	4,276	4,877	2,124	342	11
Post-Grad	9,189	-	8	1	228	2,634	4,132	1,872	304	10
Unknown	247	-	14	22	61	52	41	35	9	2
Marital Status										
Married	48,492	1	152	744	7,201	15,964	15,884	7,229	1,257	58
Unmarried	21,497	84	1,709	3,627	8,810	4,193	1,971	858	229	13
Unknown	10	-	-	-	-	-	-	-	-	-
Trimester Prenatal Care Began										
First	59,296	42	1,154	3,147	12,611	17,764	16,186	7,129	1,205	53
Second	8,418	24	549	969	2,683	1,895	1,339	742	206	11
Third	1,618	15	120	192	525	345	221	147	47	6
None	525	4	34	51	155	110	81	59	21	1
Unknown	142	-	4	12	37	43	28	10	7	-
Number of Prenatal Care Visits										
No Visits	525	4	34	51	155	110	81	59	21	1
1-4	1,774	10	100	178	566	412	260	194	46	8
5-9	12,952	32	592	1,171	3,470	3,418	2,670	1,257	327	15
10-12	31,269	26	740	1,823	6,956	9,127	8,283	3,679	607	23
13+	23,289	13	387	1,136	4,821	7,029	6,521	2,879	479	24
Unknown	190	-	8	12	43	61	40	19	6	-
Smoked During Pregnancy										
No	60,173	78	1,526	3,263	12,319	17,765	16,424	7,407	1,319	65
Yes	9,769	7	333	1,107	3,685	2,375	1,417	674	163	6
Unknown	57	-	2	1	7	17	14	6	4	-
Live Birth Order										
1	27,894	82	1,703	3,398	7,903	7,977	4,895	1,646	267	10
2	23,066	3	151	806	5,335	6,932	6,816	2,626	388	9
3	11,226	-	7	142	1,949	3,239	3,669	1,923	287	9
4	4,449	-	-	21	625	1,230	1,413	951	201	8
5+	3,359	-	-	4	199	776	1,061	941	343	35
Unknown	5	-	-	-	-	3	1	-	-	-
Plurality										
Single Birth	67,722	85	1,840	4,283	15,654	19,543	17,105	7,708	1,426	63
Multiple Birth	2,277	-	21	88	357	614	750	379	60	8
Prematurity										
Full-Term (37+ Weeks)	62,296	69	1,566	3,860	14,287	18,127	15,919	7,114	1,280	61
Premature (<37 Weeks)	7,696	16	294	511	1,719	2,030	1,936	973	205	10
Unknown	7	-	1	-	5	-	-	-	1	-
Attendant at Birth										
Physician, M.D.	62,295	62	1,592	3,740	13,925	17,965	16,226	7,394	1,322	61
Physician, D.O.	2,565	3	61	184	603	761	657	247	49	-
Cert. Nurse Midwife	4,084	20	203	418	1,247	1,130	733	278	53	2
Other Midwife	593	-	-	9	129	162	141	106	39	7
Other	460	-	5	20	107	139	96	62	23	1
Unknown	2	-	-	-	-	-	2	-	-	-

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

Notes: Included in the totals are 15 births for which age of mother was not reported. A dash (-) indicates that there were no births in that category.

Detailed Statewide Information

Table A2. Percent of Births by Age of Mother and Selected Characteristics, Wisconsin 2003

	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	3.5	74.1	9.1	3.3	3.9	3.3	2.5	3.1	5.2	15.5
Some H.S.	12.0	25.9	83.5	38.4	18.2	6.7	3.2	2.9	3.6	5.6
H.S. Grad	29.6	-	6.2	51.6	47.0	27.3	19.0	19.9	22.6	22.5
Some College	23.7	-	-	6.2	24.5	28.1	24.7	24.2	24.4	23.9
College Grad	17.7	-	-	-	4.5	21.2	27.3	26.3	23.0	15.5
Post-Grad	13.1	-	0.4	0.0	1.4	13.1	23.1	23.1	20.5	14.1
Unknown	0.4	-	0.8	0.5	0.4	0.3	0.2	0.4	0.6	2.8
Marital Status										
Married	69.3	1.2	8.2	17.0	45.0	79.2	89.0	89.4	84.6	81.7
Unmarried	30.7	98.8	91.8	83.0	55.0	20.8	11.0	10.6	15.4	18.3
Unknown	0.0	-	-	-	-	-	-	-	-	-
Trimester Prenatal Care Began										
First	84.7	49.4	62.0	72.0	78.8	88.1	90.7	88.2	81.1	74.6
Second	12.0	28.2	29.5	22.2	16.8	9.4	7.5	9.2	13.9	15.5
Third	2.3	17.6	6.4	4.4	3.3	1.7	1.2	1.8	3.2	8.5
None	0.8	4.7	1.8	1.2	1.0	0.5	0.5	0.7	1.4	1.4
Unknown	0.2	-	0.2	0.3	0.2	0.2	0.2	0.1	0.5	-
Number of Prenatal Care Visits										
No Visits	0.8	4.7	1.8	1.2	1.0	0.5	0.5	0.7	1.4	1.4
1-4	2.5	11.8	5.4	4.1	3.5	2.0	1.5	2.4	3.1	11.3
5-9	18.5	37.6	31.8	26.8	21.7	17.0	15.0	15.5	22.0	21.1
10-12	44.7	30.6	39.8	41.7	43.4	45.3	46.4	45.5	40.8	32.4
13+	33.3	15.3	20.8	26.0	30.1	34.9	36.5	35.6	32.2	33.8
Unknown	0.3	-	0.4	0.3	0.3	0.3	0.2	0.2	0.4	-
Smoked During Pregnancy										
No	86.0	91.8	82.0	74.7	76.9	88.1	92.0	91.6	88.8	91.5
Yes	14.0	8.2	17.9	25.3	23.0	11.8	7.9	8.3	11.0	8.5
Unknown	0.1	-	0.1	0.0	0.0	0.1	0.1	0.1	0.3	-
Live Birth Order										
1	39.8	96.5	91.5	77.7	49.4	39.6	27.4	20.4	18.0	14.1
2	33.0	3.5	8.1	18.4	33.3	34.4	38.2	32.5	26.1	12.7
3	16.0	-	0.4	3.2	12.2	16.1	20.5	23.8	19.3	12.7
4	6.4	-	-	0.5	3.9	6.1	7.9	11.8	13.5	11.3
5+	4.8	-	-	0.1	1.2	3.8	5.9	11.6	23.1	49.3
Unknown	0.0	-	-	-	-	0.0	0.0	-	-	-
Plurality										
Single Birth	96.7	100.0	98.9	98.0	97.8	97.0	95.8	95.3	96.0	88.7
Multiple Birth	3.3	-	1.1	2.0	2.2	3.0	4.2	4.7	4.0	11.3
Prematurity										
Full Term (37+ Weeks)	89.0	81.2	84.1	88.3	89.2	89.9	89.2	88.0	86.1	85.9
Premature (<37 Weeks)	11.0	18.8	15.8	11.7	10.7	10.1	10.8	12.0	13.8	14.1
Unknown	0.0	-	0.1	-	0.0	-	-	-	0.1	-
Attendant at Birth										
Physician, M.D.	89.0	72.9	85.5	85.6	87.0	89.1	90.9	91.4	89.0	85.9
Physician, D.O.	3.7	3.5	3.3	4.2	3.8	3.8	3.7	3.1	3.3	-
Cert. Nurse Midwife	5.8	23.5	10.9	9.6	7.8	5.6	4.1	3.4	3.6	2.8
Other Midwife	0.8	-	-	0.2	0.8	0.8	0.8	1.3	2.6	9.9
Other	0.7	-	0.3	0.5	0.7	0.7	0.5	0.8	1.5	1.4
Unknown	0.0	-	-	-	-	-	0.0	-	-	-

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

Notes: Included in the totals are 15 births for which age of mother was not reported. A dash (-) indicates that there were no births in that category.

Table B1. Number of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2003

	Total	White	Black/Afr. American	American Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	69,999	54,831	6,409	981	5,522	1,010	1,219
Age of Mother							
<15	85	15	43	4	21	1	1
15-17	1,861	798	588	64	299	82	29
18-19	4,371	2,582	927	117	579	130	34
20-24	16,011	11,149	2,285	343	1,734	321	175
25-29	20,157	16,395	1,383	228	1,536	229	381
30-34	17,855	15,491	742	152	922	146	399
35-39	8,087	7,056	356	65	368	72	167
40-44	1,486	1,284	78	8	63	22	31
45+	71	56	6	-	-	7	2
Unknown	15	5	1	-	-	-	-
Education of Mother							
Elem. or Less	2,462	894	166	25	1,223	132	22
Some H.S.	8,389	3,895	2,293	277	1,658	189	73
H.S. Grad	20,741	15,828	2,345	384	1,569	393	215
Some College	16,612	14,284	1,125	214	579	174	233
College Grad	12,359	11,431	245	41	248	61	331
Post-Grad	9,189	8,387	205	33	197	34	331
Unknown	247	112	30	7	48	27	14
Marital Status							
Married	48,492	42,217	1,120	311	2,961	793	1,079
Unmarried	21,497	12,614	5,288	670	2,561	217	140
Unknown	10	-	1	-	-	-	-
Trimester Prenatal Care Began							
First	59,296	48,440	4,709	697	3,892	547	998
Second	8,418	5,047	1,274	217	1,292	399	184
Third	1,618	924	287	48	274	54	30
None	525	318	118	15	53	10	4
Unknown	142	102	21	4	11	-	3
Number of Prenatal Care Visits							
No Visits	525	318	118	15	53	10	4
1-4	1,774	1,060	315	63	241	68	25
5-9	12,952	8,786	1,679	323	1,504	407	249
10-12	31,269	24,935	2,565	341	2,485	397	540
13+	23,289	19,597	1,702	236	1,225	128	394
Unknown	190	135	30	3	14	-	7
Smoked During Pregnancy							
No	60,173	46,831	5,332	620	5,214	971	1,185
Yes	9,769	7,951	1,076	360	308	38	34
Unknown	57	49	1	1	-	1	-
Live Birth Order							
1	27,894	22,360	2,240	339	2,049	289	601
2	23,066	18,715	1,715	277	1,746	204	405
3	11,226	8,637	1,123	174	1,021	132	135
4	4,449	3,107	657	99	421	117	47
5+	3,359	2,007	674	92	285	268	31
Unknown	5	5	-	-	-	-	-

(Continued)

Table B1. Number of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2003

	Total	White	Black/Afr. American	American Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	69,999	54,831	6,409	981	5,522	1,010	1,219
Prematurity							
Full Term (37+ Weeks)	62,296	49,124	5,337	870	4,945	894	1,102
Premature (<37 Weeks)	7,696	5,701	1,071	111	577	116	117
Unknown	7	6	1	-	-	-	-
Computed Estimate of Gestational Age (Weeks)							
<37	7,287	5,427	996	100	547	105	111
37-39	31,886	25,408	2,673	413	2,387	397	598
40	13,962	11,204	1,081	174	1,070	186	243
41	7,474	5,867	608	114	657	104	123
42+	6,496	4,787	686	120	643	150	108
Unknown	2,894	2,138	365	60	218	68	36

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

Notes: Included in the totals are 27 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category. "Premature" means less than 37 weeks of gestation. Gestational age is calculated as the difference between the date of last normal menses and the date of delivery. Where date of last normal menses is unknown, clinical estimate of gestation is substituted. The "computed estimate of gestational age" is calculated as the difference between the date of last normal menses and date of delivery.

Table B2. Percent of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2003

	Total	White	Black/Afr. American	American Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Age of Mother							
<15	0.1	0.0	0.7	0.4	0.4	0.1	0.1
15-17	2.7	1.5	9.2	6.5	5.4	8.1	2.4
18-19	6.2	4.7	14.5	11.9	10.5	12.9	2.8
20-24	22.9	20.3	35.7	35.0	31.4	31.8	14.4
25-29	28.8	29.9	21.6	23.2	27.8	22.7	31.3
30-34	25.5	28.3	11.6	15.5	16.7	14.5	32.7
35-39	11.6	12.9	5.6	6.6	6.7	7.1	13.7
40-44	2.1	2.3	1.2	0.8	1.1	2.2	2.5
45+	0.1	0.1	0.1	-	-	0.7	0.2
Unknown	0.0	0.0	0.0	-	-	-	-
Education of Mother							
Elem. or Less	3.5	1.6	2.6	2.5	22.1	13.1	1.8
Some H.S.	12.0	7.1	35.8	28.2	30.0	18.7	6.0
H.S. Grad	29.6	28.9	36.6	39.1	28.4	38.9	17.6
Some College	23.7	26.1	17.6	21.8	10.5	17.2	19.1
College Grad	17.7	20.8	3.8	4.2	4.5	6.0	27.2
Post-Grad	13.1	15.3	3.2	3.4	3.6	3.4	27.2
Unknown	0.4	0.2	0.5	0.7	0.9	2.7	1.1
Marital Status							
Married	69.3	77.0	17.5	31.7	53.6	78.5	88.5
Unmarried	30.7	23.0	82.5	68.3	46.4	21.5	11.5
Unknown	0.0	-	0.0	-	-	-	-
Trimester Prenatal Care Began							
First	84.7	88.3	73.5	71.0	70.5	54.2	81.9
Second	12.0	9.2	19.9	22.1	23.4	39.5	15.1
Third	2.3	1.7	4.5	4.9	5.0	5.3	2.5
None	0.8	0.6	1.8	1.5	1.0	1.0	0.3
Unknown	0.2	0.2	0.3	0.4	0.2	-	0.2
Number of Prenatal Care Visits							
No Visits	0.8	0.6	1.8	1.5	1.0	1.0	0.3
1-4	2.5	1.9	4.9	6.4	4.4	6.7	2.1
5-9	18.5	16.0	26.2	32.9	27.2	40.3	20.4
10-12	44.7	45.5	40.0	34.8	45.0	39.3	44.3
13+	33.3	35.7	26.6	24.1	22.2	12.7	32.3
Unknown	0.3	0.2	0.5	0.3	0.3	-	0.6
Smoked During Pregnancy							
No	86.0	85.4	83.2	63.2	94.4	96.1	97.2
Yes	14.0	14.5	16.8	36.7	5.6	3.8	2.8
Unknown	0.1	0.1	0.0	0.1	-	0.1	-
Live Birth Order							
1	39.8	40.8	35.0	34.6	37.1	28.6	49.3
2	33.0	34.1	26.8	28.2	31.6	20.2	33.2
3	16.0	15.8	17.5	17.7	18.5	13.1	11.1
4	6.4	5.7	10.3	10.1	7.6	11.6	3.9
5+	4.8	3.7	10.5	9.4	5.2	26.5	2.5
Unknown	0.0	0.0	-	-	-	-	-

(Continued)

Table B2. Percent of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2003

	Total	White	Black/Afr. American	American Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Prematurity							
Full Term (37+ Weeks)	89.0	89.6	83.3	88.7	89.6	88.5	90.4
Premature (<37 Weeks)	11.0	10.4	16.7	11.3	10.4	11.5	9.6
Unknown	0.0	0.0	0.0	-	-	-	-
Computed Estimate of Gestational Age (Weeks)							
<37	10.4	9.9	15.5	10.2	9.9	10.4	9.1
37-39	45.6	46.3	41.7	42.1	43.2	39.3	49.1
40	19.9	20.4	16.9	17.7	19.4	18.4	19.9
41	10.7	10.7	9.5	11.6	11.9	10.3	10.1
42+	9.3	8.7	10.7	12.2	11.6	14.9	8.9
Unknown	4.1	3.9	5.7	6.1	3.9	6.7	3.0

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

Notes: Included in the totals are 27 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category. "Premature" means less than 37 weeks of gestation. Gestational age is calculated as the difference between the date of last normal menses and the date of delivery. Where date of last normal menses is unknown, clinical estimate of gestation is substituted. Caution is advised in making comparisons between years. The "computed estimate of gestational age" is calculated as the difference between the date of last normal menses and date of delivery.

Table C1. Number and Percent of Births by Birthweight and Selected Characteristics, Wisconsin 2003

	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	69,999	908	1.3%	3,865	5.5%	65,210	93.2%	4,773	6.8%
Plurality									
Single Birth	67,722	681	1.0	2,847	4.2	64,178	94.8	3,528	5.2
Multiple Birth	2,277	227	10.0	1,018	44.7	1,032	45.3	1,245	54.7
Prematurity									
Full Term (37+ Weeks)	62,296	46	0.1	1,461	2.3	60,781	97.6	1,507	2.4
Premature (<37 Weeks)	7,696	860	11.2	2,404	31.2	4,426	57.5	3,264	42.4
Unknown	7	2	28.6	-	-	3	42.9	2	28.6
Age of Mother									
<15	85	3	3.5	7	8.2	75	88.2	10	11.8
15-17	1,861	47	2.5	142	7.6	1,671	89.8	189	10.2
18-19	4,371	84	1.9	302	6.9	3,985	91.2	386	8.8
20-24	16,011	212	1.3	943	5.9	14,851	92.8	1,155	7.2
25-29	20,157	234	1.2	1,031	5.1	18,890	93.7	1,265	6.3
30-34	17,855	194	1.1	900	5.0	16,758	93.9	1,094	6.1
35-39	8,087	113	1.4	417	5.2	7,556	93.4	530	6.6
40-44	1,486	21	1.4	110	7.4	1,353	91.0	131	8.8
45+	71	-	-	10	14.1	61	85.9	10	14.1
Unknown	15	-	-	3	20.0	10	66.7	3	20.0
Race/Ethnicity of Mother									
White	54,831	576	1.1	2,742	5.0	51,501	93.9	3,318	6.1
Black/Afr. American	6,409	216	3.4	661	10.3	5,531	86.3	877	13.7
American Indian	981	9	0.9	53	5.4	919	93.7	62	6.3
Hispanic/Latino	5,522	76	1.4	266	4.8	5,178	93.8	342	6.2
Laotian/Hmong	1,010	19	1.9	56	5.5	935	92.6	75	7.4
Other	1,219	11	0.9	85	7.0	1,123	92.1	96	7.9
Unknown	27	1	3.7	2	7.4	23	85.2	3	11.1
Education of Mother									
Elem. or Less	2,462	25	1.0	115	4.7	2,321	94.3	140	5.7
Some H.S.	8,389	171	2.0	610	7.3	7,606	90.7	781	9.3
H.S. Grad	20,741	294	1.4	1,266	6.1	19,176	92.5	1,560	7.5
Some College	16,612	183	1.1	886	5.3	15,542	93.6	1,069	6.4
College Grad	12,359	148	1.2	543	4.4	11,667	94.4	691	5.6
Post-Grad	9,189	79	0.9	423	4.6	8,684	94.5	502	5.5
Unknown	247	8	3.2	22	8.9	214	86.6	30	12.1
Marital Status									
Married	48,492	495	1.0	2,320	4.8	45,670	94.2	2,815	5.8
Unmarried	21,497	413	1.9	1,542	7.2	19,534	90.9	1,955	9.1
Unknown	10	-	-	3	30.0	6	60.0	3	30.0

(Continued)

Table C1. Number and Percent of Births by Birthweight and Selected Characteristics, Wisconsin 2003

	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	59,296	743	1.3	3,172	5.3	55,373	93.4	3,915	6.6
Second	8,418	111	1.3	513	6.1	7,792	92.6	624	7.4
Third	1,618	9	0.6	102	6.3	1,507	93.1	111	6.9
None	525	37	7.0	59	11.2	424	80.8	96	18.3
Unknown	142	8	5.6	19	13.4	114	80.3	27	19.0
Number of Prenatal Care Visits									
No Visits	525	37	7.0	59	11.2	424	80.8	96	18.3
1-4	1,774	156	8.8	154	8.7	1,464	82.5	310	17.5
5-9	12,952	326	2.5	1,154	8.9	11,470	88.6	1,480	11.4
10-12	31,269	175	0.6	1,367	4.4	29,721	95.0	1,542	4.9
13+	23,289	204	0.9	1,101	4.7	21,983	94.4	1,305	5.6
Unknown	190	10	5.3	30	15.8	148	77.9	40	21.1
Smoked During Pregnancy									
No	60,173	752	1.2	3,048	5.1	56,358	93.7	3,800	6.3
Yes	9,769	152	1.6	809	8.3	8,807	90.2	961	9.8
Unknown	57	4	7.0	8	14.0	45	78.9	12	21.1
Type of Delivery									
Vaginal After									
Previous C-Section	1,101	10	0.9	43	3.9	1,047	95.1	53	4.8
Forceps	957	3	0.3	43	4.5	910	95.1	46	4.8
Other Vaginal	52,593	430	0.8	2,322	4.4	49,828	94.7	2,752	5.2
Primary C-Section	9,273	387	4.2	1,093	11.8	7,792	84.0	1,480	16.0
Repeat C-Section	6,072	78	1.3	364	6.0	5,630	92.7	442	7.3
Live Birth Order									
1	27,894	425	1.5	1,689	6.1	25,771	92.4	2,114	7.6
2	23,066	248	1.1	1,067	4.6	21,746	94.3	1,315	5.7
3	11,226	125	1.1	562	5.0	10,538	93.9	687	6.1
4	4,449	53	1.2	311	7.0	4,084	91.8	364	8.2
5+	3,359	57	1.7	235	7.0	3,067	91.3	292	8.7
Unknown	5	-	-	1	20.0	4	80.0	1	20.0
Congenital Anomalies									
No	69,109	872	1.3	3,750	5.4	64,471	93.3	4,622	6.7
Yes	890	36	4.0	115	12.9	739	83.0	151	17.0

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

Notes: Included in the totals are 16 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 births in that category.

Table C2. Number and Percent of Births by Estimated Gestational Age and Birthweight, Wisconsin 2003

Birthweight	Estimated Gestational Age (in Weeks)										
	Total	17-19	20-27	28-31	32-35	36	37-39	40	41	42+	Unk.
<i>Number</i>											
Total	69,999	25	457	702	3,410	2,693	31,886	13,962	7,474	6,496	2,894
<500 Grams	132	18	84	4	2	-	-	-	1	-	23
500-999 Grams	337	4	206	67	25	-	4	2	-	-	29
1,000-1,499 Gms	439	-	56	200	92	10	22	4	5	8	42
1,500-1,999 Gms	951	1	16	165	496	71	93	9	8	24	68
2,000-2,499 Gms	2,914	-	16	64	942	445	939	135	73	114	186
2,500-2,999 Gms	10,540	-	23	59	947	974	5,518	1,197	578	719	525
3,000-3,499 Gms	25,386	-	31	78	560	826	13,083	4,986	2,471	2,349	1,002
3,500-3,999 Gms	21,490	1	18	48	284	309	9,423	5,383	2,953	2,340	731
4,000-4,499 Gms	6,595	-	6	13	50	47	2,384	1,924	1,133	797	241
4,500+ Grams	1,199	1	-	2	12	11	415	321	251	145	41
Unknown	16	-	1	2	-	-	5	1	1	-	6
<i>Percent</i>											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<500 Grams	0.2	72.0	18.4	0.6	0.1	-	-	-	0.0	-	0.8
500-999 Grams	0.5	16.0	45.1	9.5	0.7	-	0.0	0.0	-	-	1.0
1,000-1,499 Gms	0.6	-	12.3	28.5	2.7	0.4	0.1	0.0	0.1	0.1	1.5
1,500-1,999 Gms	1.4	4.0	3.5	23.5	14.5	2.6	0.3	0.1	0.1	0.4	2.3
2,000-2,499 Gms	4.2	-	3.5	9.1	27.6	16.5	2.9	1.0	1.0	1.8	6.4
2,500-2,999 Gms	15.1	-	5.0	8.4	27.8	36.2	17.3	8.6	7.7	11.1	18.1
3,000-3,499 Gms	36.3	-	6.8	11.1	16.4	30.7	41.0	35.7	33.1	36.2	34.6
3,500-3,999 Gms	30.7	4.0	3.9	6.8	8.3	11.5	29.6	38.6	39.5	36.0	25.3
4,000-4,499 Gms	9.4	-	1.3	1.9	1.5	1.7	7.5	13.8	15.2	12.3	8.3
4,500+ Grams	1.7	4.0	-	0.3	0.4	0.4	1.3	2.3	3.4	2.2	1.4
Unknown	0.0	-	0.2	0.3	-	-	0.0	0.0	0.0	-	0.2

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

Table C3. Number and Percent of Births by Race/Ethnicity of Mother and Birthweight, Wisconsin 2003

Birthweight	Total	White	Black/Afr. American	American Indian	Hispanic/ Latino	Laotian/ Hmong	Other
<i>Number</i>							
Total	69,999	54,831	6,409	981	5,522	1,010	1,219
<500 Grams	132	74	40	1	10	4	3
500-999 Grams	337	209	76	5	33	9	5
1,000-1,499 Gms	439	293	100	3	33	6	3
1,500-1,999 Gms	951	673	176	15	64	10	13
2,000-2,499 Gms	2,914	2,069	485	38	202	46	72
2,500-2,999 Gms	10,540	7,508	1,595	128	834	234	238
3,000-3,499 Gms	25,386	19,573	2,387	296	2,150	446	527
3,500-3,999 Gms	21,490	17,748	1,236	308	1,681	217	291
4,000-4,499 Gms	6,595	5,648	273	156	422	32	61
4,500+ Grams	1,199	1,024	40	31	91	6	6
Unknown	16	12	1	-	2	-	-
<i>Percent</i>							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<500 Grams	0.2	0.1	0.6	0.1	0.2	0.4	0.2
500-999 Grams	0.5	0.4	1.2	0.5	0.6	0.9	0.4
1,000-1,499 Gms	0.6	0.5	1.6	0.3	0.6	0.6	0.2
1,500-1,999 Gms	1.4	1.2	2.7	1.5	1.2	1.0	1.1
2,000-2,499 Gms	4.2	3.8	7.6	3.9	3.7	4.6	5.9
2,500-2,999 Gms	15.1	13.7	24.9	13.0	15.1	23.2	19.5
3,000-3,499 Gms	36.3	35.7	37.2	30.2	38.9	44.2	43.2
3,500-3,999 Gms	30.7	32.4	19.3	31.4	30.4	21.5	23.9
4,000-4,499 Gms	9.4	10.3	4.3	15.9	7.6	3.2	5.0
4,500+ Grams	1.7	1.9	0.6	3.2	1.6	0.6	0.5
Unknown	0.0	0.0	0.0	-	0.0	-	-

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

Notes: Included in the totals are 27 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category.

Table D. Fetal, Neonatal, and Infant Deaths by Selected Characteristics, Wisconsin 2003

	Fetal Deaths (Gestation \geq 20 weeks)		Neonatal Deaths (Age <28 days)		Infant Deaths (Age <1 year)	
	Number	Rate	Number	Rate	Number	Rate
Total	344	4.9	309	4.4	454	6.5
Sex of Infant						
Male	175	4.9	164	4.6	246	6.9
Female	162	4.7	144	4.2	207	6.0
Unknown	7	-	1	-	1	-
Birthweight						
1,499 Grams or Less	218	193.6	224	246.7	250	275.3
1,500-2,499 Grams	59	15.0	37	9.6	60	15.5
2,500+ Grams	58	0.9	40	0.6	134	2.1
Unknown	9	-	8	-	10	-
<u>White Non-Hispanic</u>						
1,499 Grams or Less	157	214.2	144	250.0	159	276.0
1,500-2,499 Grams	39	14.0	24	8.8	38	13.9
2,500+ Grams	49	1.0	26	0.5	83	1.6
Unknown	3	-	7	-	9	-
<u>Black Non-Hispanic</u>						
1,499 Grams or Less	37	146.2	44	203.7	54	250.0
1,500-2,499 Grams	12	-	8	-	15	-
2,500+ Grams	5	-	6	-	28	5.1
Unknown	5	-	1	-	1	-
Computed Estimate of Gestational Age (Weeks)						
Less than 37	276	36.5	126	17.3	148	20.3
37-39	42	1.3	13	-	55	1.7
40-41	23	1.1	5	-	20	0.9
42+	-	-	1	-	8	-
Unknown	3	-	164	56.7	223	77.1
Marital Status						
Married	199	4.1	181	3.7	240	4.9
Unmarried	145	6.7	128	6.0	214	10.0
Unknown	-	-	-	-	-	-
Education of Mother						
Elementary or Less	8	-	13	-	20	8.1
Some High School	38	4.5	50	6.0	96	11.4
High School Graduate	115	5.5	94	4.5	146	7.0
Some College	69	4.1	71	4.3	92	5.5
College Graduate	51	4.1	43	3.5	56	4.5
Post Graduate	26	2.8	29	3.2	33	3.6
Unknown	37	130.3	9	-	11	-

(Continued)

Table D. Fetal, Neonatal, and Infant Deaths by Selected Characteristics, Wisconsin 2003

	Fetal Deaths (Gestation \geq 20 weeks)		Neonatal Deaths (Age <28 days)		Infant Deaths (Age <1 year)	
	Number	Rate	Number	Rate	Number	Rate
Age of Mother						
<15	-	-	1	-	2	-
15-17	11	-	18	-	27	14.5
18-19	27	6.1	26	5.9	47	10.8
20-24	81	5.0	73	4.6	117	7.3
25-29	94	4.6	75	3.7	107	5.3
30-34	86	4.8	72	4.0	93	5.2
35-39	33	4.1	33	4.1	47	5.8
40+	12	-	10	-	12	-
Unknown	-	-	1	-	2	-
Race of Mother						
White	248	4.5	201	3.7	289	5.3
Black/African American	59	9.1	59	9.2	98	15.3
American Indian	5	-	5	-	9	-
Hispanic/Latino	21	3.8	28	5.1	38	6.9
Laotian/Hmong	2	-	9	-	11	-
Other	6	-	7	-	9	-
Unknown	3	-	-	-	-	-
Trimester Prenatal Care Began						
First	258	4.3	239	4.0	349	5.9
Second	35	4.1	43	5.1	68	8.1
Third	3	-	6	-	10	-
None	20	36.7	15	-	18	-
Unknown	28	164.7	6	-	9	-
Number of Prenatal Care Visits						
No Visits	23	42.0	15	-	18	-
1-4 Visits	66	35.9	86	48.5	98	55.2
5-9 Visits	125	9.6	92	7.1	129	10.0
10-12 Visits	53	1.7	49	1.6	95	3.0
13+ Visits	51	2.2	60	2.6	103	4.4
Unknown	26	120.4	7	-	11	-
Plurality						
Single Birth	299	4.4	250	3.7	383	5.7
Multiple Birth	43	18.5	59	25.9	71	31.2
Unknown	2	-	-	-	-	-
Smoked During Pregnancy						
No	259	4.3	266	4.4	368	6.1
Yes	82	8.3	40	4.1	81	8.3
Unknown	3	-	3	-	5	-

Source: Fetal death and matched birth-death files, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

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.

Table E. Selected Birth Rates, Mortality Rates, and Birth Characteristics, Wisconsin and United States, 2003

Birth Rates	Wisconsin		United States
	Rate		Rate
Crude Birth Rate (births per 1,000 total population)	12.8		13.9
General Fertility Rate (births per 1,000 females ages 15-44)	60.0		64.8
Teen Birth Rate (births per 1,000 females ages 15-19)	31.6	31.2*	43.0
Mortality Rates			
Infant Mortality Rate (infant deaths per 1,000 live births)	6.5		6.8
Infant Mortality Rate – Black Non-Hispanic	15.3		13.5
Infant Mortality Rate – White Non-Hispanic	5.3		5.7
Neonatal Mortality Rate (deaths <28 days of age per 1,000 live births)	4.4		4.5
Perinatal Mortality Rate (fetal deaths and deaths <28 days of age per 1,000 live births and fetal deaths)	11.3	6.6**	6.9***
Birth Characteristics			
	Percent		Percent
Mother Unmarried	30.7%		34.0%
First-Trimester Prenatal Care	84.7		83.7
Late or No Prenatal Care	3.1		3.6
Maternal Smoking	14.0		11.4
C-Section Delivery	21.9		26.1
Birth Order 4+	11.2		10.8
Low Birthweight	6.8		7.8
Low Birthweight – Black Non-Hispanic	13.7		13.4
Low Birthweight – White Non-Hispanic	6.1%		6.9%

Source: Resident birth certificates, matched birth-death file and fetal death file, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

* This Wisconsin rate is calculated to be comparable to the U.S. rate, which excludes mothers younger than 15.

** This Wisconsin rate is calculated to be comparable to the U.S. rate, which includes the number of late fetal deaths (greater than or equal to 28 weeks of gestation) plus infant deaths within seven days of birth per 1,000 live births plus late fetal deaths.

*** Rate for 2001, the latest available data. The US perinatal mortality rate is cited from National Center for Health Statistics. Health, United States, 2003. Hyattsville, Maryland: Public Health Service. 2003.

Map 1. Wisconsin Department of Health and Family Services Regions, 2003



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

Notes: Vernon County was reassigned from the Western to the Southern Region effective February 2004. This change is reflected in the data presented for 2003 and subsequent years. Comparisons with regional data in previous publications may be affected.

Map 2. Wisconsin Perinatal Regions, 2003



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

Note: See Technical Notes (page 101) for explanation of Perinatal Regions.

Sources, Definitions, and Explanations of Terms

National Data. Unless otherwise noted, national data used in this report were cited from Martin JA, Hamilton BE, Sutton PD, Ventura SJ, Menacker F, Munson ML. Births: Final data for 2002. *National Vital Statistics Reports*, Vol. 52, No. 10. Hyattsville, Maryland: National Center for Health Statistics. 2003. National infant mortality data are drawn from Mathews TJ, Menacker F, MacDorman MF. Infant mortality statistics from the 2001 period linked birth/infant death data set. *National Vital Statistics Reports*; Vol. 52, No. 2. Hyattsville, Maryland: National Center for Health Statistics. 2003.

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/African American, non-Hispanic American Indian, Hispanic/Latino, non-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/Latinos may be of any race.

Prior to 1994, Wisconsin birth reports included a race/ethnicity category labeled “Indochinese.” Beginning in 1994, this category was redefined as “Laotian/Hmong” (constituting 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.” 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 annual reports since 1989 (*Maternal and Child Health Statistics* and *Wisconsin Births and Infant Deaths*).

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 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. Since 1990, edits have been expanded to include “Medical history for this pregnancy,” “Obstetric procedures,” and “Events of labor and/or 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. Births were classified as premature (less than full term) if the gestational age was less than 37 weeks. To determine gestational age, a prematurity index is used; this is usually 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.

Mortality.

Infant Deaths. The birth-death cohort is not completed until one full year after the end of the birth cohort calendar year. This publication reports mortality data on infants who died during 2003, rather than the mortality experience of the 2003 birth cohort, to allow more timely reporting on infant mortality.

Causes of Death. Causes of death in this report have been coded according to the International Classification of Diseases (ICD), Tenth Edition. Before the 1999 data year, causes of death were coded according to the ICD, Ninth Edition. This change does not affect comparability between years for four of the five leading causes of infant death shown in this report (Conditions Originating in the Perinatal Period; Congenital Malformations, Deformations and Chromosomal Anomalies; Sudden Infant Death Syndrome or SIDS; and Accidents – see Page 28).

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

Perinatal Deaths. Includes all reported fetal deaths of 20 or more weeks of gestation and all neonatal deaths (deaths of liveborn infants occurring before 28 days of age).

Maternal Deaths. There were nine deaths in 2003 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 and Policy) 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. Beginning in 2003, an item was added to the Wisconsin death certificate that allows the medical certifier to specify the pregnancy status of the decedent. This should improve ascertainment of maternal deaths from death certificate records.

Perinatal Regions. These tables present birth information for each of the seven Perinatal Regions in Wisconsin (see Map 2, page 98). These regions were informally designated in the early 1970s by the Wisconsin Association for Perinatal Care, in cooperation with organizations representing public and private providers of perinatal services. Perinatal regions represent geographical boundaries within which 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 statistics on natality and infant mortality.

Edit checks are incorporated in the software used for electronic transmission of birth certificate data, and the Vital Records Registration and Statistics Unit in the Bureau of Health Information and Policy 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: Definitions

<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 20 th 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 means “small for gestational age.”)
<i>Renal Disease</i>	Kidney disease.
<i>Rh Sensitization</i>	The process or state of becoming sensitized to the Rh blood factor, as when an Rh-negative woman is pregnant with an Rh-positive fetus.
<i>Uterine Bleeding</i>	Any clinically significant bleeding during the pregnancy, taking into consideration the stage of pregnancy; any second- or third-trimester bleeding of the uterus prior to the onset of labor.

Obstetric Procedures: Definitions

<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: Definitions

<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 Gastrointestinal</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</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</i>	All other chromosomal aberrations.