

2004

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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August 2005

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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 and related infant death information compiled from resident death certificates.

The Department of Health and Family Services produced this publication, which was prepared in the Bureau of Health Information and Policy, 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 Namez 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 Promotion, Division of Public Health; and by Sandra Park in the Bureau of Health Information and Policy, Population Health Information Section. The report was prepared under the supervision of John Kiesow, State Registrar, Vital Records Section, and Jane Kraus, Supervisor, Registration and Statistics Unit; and the overall direction of Susan Wood, Director, Bureau of Health Information and Policy.

Additional health-related statistical information for Wisconsin is also available through the Internet on the Department of Health and Family Services Web site, at <https://www.dhs.wisconsin.gov/stats/index.htm>. 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 <https://www.dhs.wisconsin.gov/wish/index.htm>. Trend tables of maternal and child health data for individual counties are available at <https://www.dhs.wisconsin.gov/stats/births/index.htm>.

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Introduction

This report presents information about births that occurred in 2004 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 the pregnancy and delivery, including the trimester that prenatal care began, number of visits, and 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 data for 2004 (and comparative information for 1994); line graphs show time trends, and vary in the years shown for comparison.

This year's report includes two additions. A new figure (Figure 20) shows three-year rolling average infant mortality rates by race/ethnicity, and a new table (Table 3-6) presents infant mortality rates by race/ethnicity for individual years 1984-2004. Every table in the report has been renumbered to improve readability.

The statutory definition of a live birth has changed, and the new definition is reflected in the 2004 data contained in this report. Under 2003 Wisconsin Act 110, effective January 7, 2004, section 990.01(19j) of the Wisconsin Statutes was created to read:

990.01 (19j) Live Birth.

- (a) In this subsection, "breathes" means draws air into and expels it out of the lungs one or more times.
- (b) "Live birth" means the complete expulsion or extraction from his or her mother, of a human being, at any stage of development, who, after the expulsion or extraction, breathes or has a beating heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, regardless of whether the umbilical cord has been cut, and regardless of whether the expulsion or extraction occurs as a result of natural or induced labor, a cesarean section, or an abortion, as defined in s. 253.10 (2) (a).

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 2004, there were 70,131 live births to Wisconsin residents, 132 more than in 2003.
- The 2004 crude birth rate in Wisconsin was 12.7 births per 1,000 total population, the same as the 2003 rate (12.7). In comparison, the United States crude birth rate for 2003 was 14.1 per 1,000 population. (The crude birth rate is the number of live births per 1,000 total population.)
- The 2004 general fertility rate of 60.3 births per 1,000 Wisconsin females aged 15-44 was lower than the 2003 United States general fertility rate of 66.1 births per 1,000 (see Technical Notes, page 102, for source of U.S. data).
- In 2004, the fertility rate for Wisconsin teens aged 15-19 was 30.5 births per 1,000 females in this age group. This was lower than the rate in 2003 (31.6). In 2003, the U.S. teen fertility rate was 41.6.
- 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 1994 to 2004, the percent of births to women in their early teens, late twenties, and early thirties decreased, while the percent of births to women in their early twenties and aged 35-plus increased. The proportion of births to women in their late teens remained the same.
- From 1994 to 2004, the proportion of Wisconsin births to non-Hispanic white women decreased from 83 percent to 77 percent, while the proportion of births to Hispanics increased from 4 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 1994 and 9 percent in 2004, American Indian women approximately 1 percent in each year, and women in other groups approximately 3 percent in each year.
- In 2004, 16 percent of Wisconsin women who gave birth had not finished high school, unchanged from 1994. Fifty-six percent of women who gave birth in 2004 had attended college for one year or more, compared to 47 percent in 1994.
- The overall proportion of women who received first-trimester prenatal care was 85 percent in 2004, compared with 83 percent in 1994. 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 20 percent in 1994 to 14 percent in 2004.
- In 2004, 4,907 Wisconsin infants were low birthweight; that is, they weighed less than 2,500 grams (about 5.5 pounds) at birth. This total represented 7.0 percent of all births (compared to 6.8 percent in 2003). In comparison, 7.9 percent of all infants born in the United States in 2003 weighed less than 2,500 grams.
- Among low birthweight infants, 869 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 1.2 percent among all births, and 1.0 percent of births to whites,

3.3 percent of births to blacks, 1.0 percent of births to American Indians, 1.3 percent of births to Hispanics and 1.4 percent of births to Laotian/Hmong.

- In 2004, 7,703 Wisconsin infants were born prematurely (with a gestation of less than 37 weeks). This total represented 11.0 percent of all births (the same as in 2003). (See Technical Notes, page 103, for full definition of prematurity.)
- In Wisconsin, 420 infants under the age of one year died in 2004. The 2004 infant mortality rate was 6.0 infant deaths per 1,000 live births, compared to 6.5 in 2003 and 7.9 in 1994. The 2002 U.S. infant mortality rate (the latest available) was 7.0 infant deaths per 1,000 live births.
- The black infant mortality rate for 2004 was 19.2 deaths per 1,000 births to black mothers, compared to 15.3 in 2003 and 18.6 in 1994. The 2004 white infant mortality rate was 4.5 deaths per 1,000 births to white women, compared to 5.3 in 2003 and 6.5 in 1994. The Hispanic infant mortality rate for 2004 was 5.1 deaths per 1,000 births to Hispanic women, lower than the rate for 2003 (6.9) and 1994 (9.2).
- Based on three-year rolling average infant mortality rates (Figure 20), American Indian infant mortality has dropped markedly since 1984. The rate was 19.6 per 1,000 live births in 1984-1986 and 9.0 per 1,000 in 2002-2004. The African American infant mortality rate has remained much higher than the rate for other populations in Wisconsin for two decades. The three-year average rate was 18.4 per 1,000 live births in 1984-1986, declined to a low of 14.5 per 1,000 live births in 1992-1994, but increased again to 17.6 in 2002-2004. The Hispanic infant mortality rate fluctuated but remained essentially unchanged; it was 6.4 per 1,000 live births in 1984-1986 and 6.2 per 1,000 in 2002-2004. Total infant mortality and white infant mortality declined gradually over the 1984-2004 period.

Ten Most Popular First Names for Newborns, Wisconsin 2004	
Females	Males
1. Emma	1. Ethan
2. Olivia	2. Jacob
3. Emily	3. Alexander
4. Grace	4. Tyler
5. Abigail	5. Samuel
6. Hannah	6. Matthew
7. Ella	7. Logan
8. Madison	8. Benjamin
9. Elizabeth	9. Michael
10. Samantha	10. Joseph

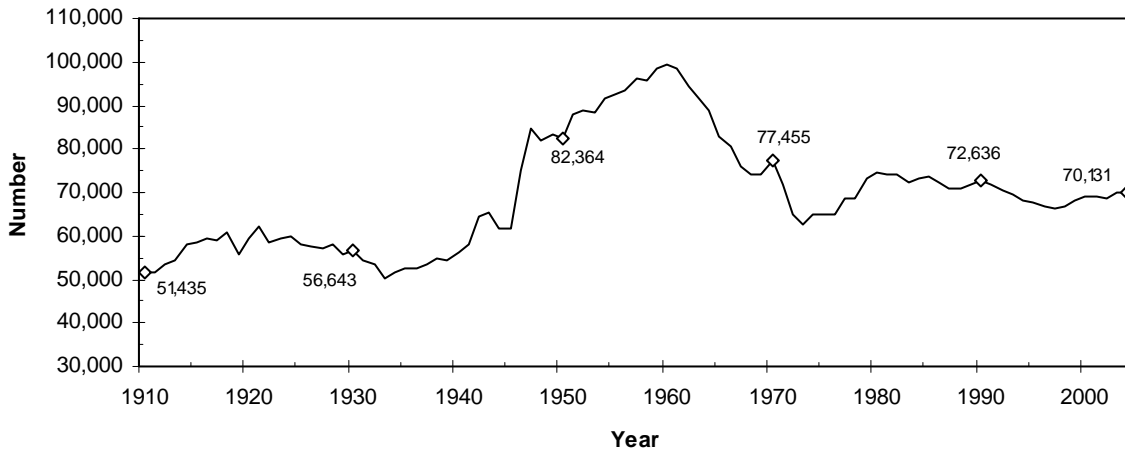
Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

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 2004 there were 70,131 births to Wisconsin residents, 132 more than in 2003 (Figure 1).
- The 2004 crude birth rate was 12.7 births per 1,000 population (Table 2-1), the same as the 2003 rate. In comparison, the United States crude birth rate for 2003 was 14.1 births per 1,000 population. (The crude birth rate is the number of live births per 1,000 total population.)
- The 2004 general fertility rate of 60.3 births per 1,000 Wisconsin females ages 15-44 (Table 2-1) was slightly lower than the 2003 rate (60.4). In comparison, the United States general fertility rate for 2003 was 66.1 births per 1,000.

Figure 1. Number of Births to Wisconsin Residents, 1910-2004



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 from his or her mother, of a human being, at any stage of development, who, after the expulsion or extraction, breathes or has a beating heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, regardless of whether the umbilical cord has been cut, and regardless of whether the expulsion or extraction occurs as a result of a natural or induced labor, a cesarean section, or an abortion. 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 (Table 1-1). 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 2003 final statistics (Table 1-1). (See Technical Notes, page 102, for source of U.S. data.)

Table 1-1. Age-Specific Fertility Rates, Wisconsin, 2004 and United States, 2003

Age	Wisconsin Rate		U.S. Rate
15-19	30.5	(30.0)*	41.6
15-17	15.7	(14.9)*	22.4
18-19	52.1		70.7
20-24	81.0		102.6
25-29	120.4		115.6
30-34	102.6		95.1
35-39	41.1		43.8
40-44	7.6	(7.3)*	8.7

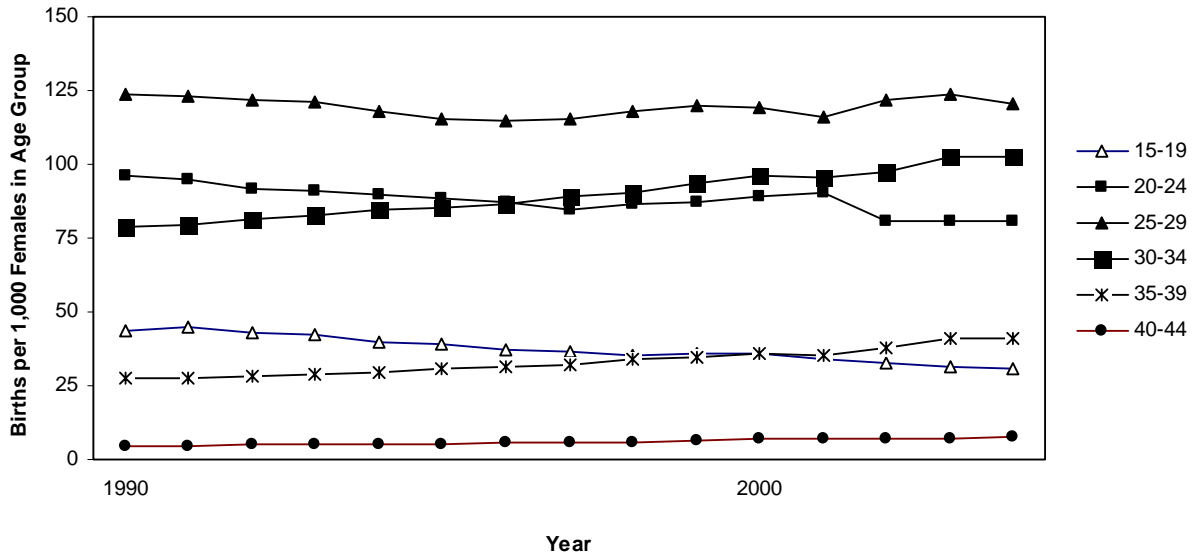
Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

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 91 births to mothers less than 15 years old; the rate for mothers aged 40-44 includes 77 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 1990 (Figure 2), age-specific fertility rates in 2004 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, 1990-2004

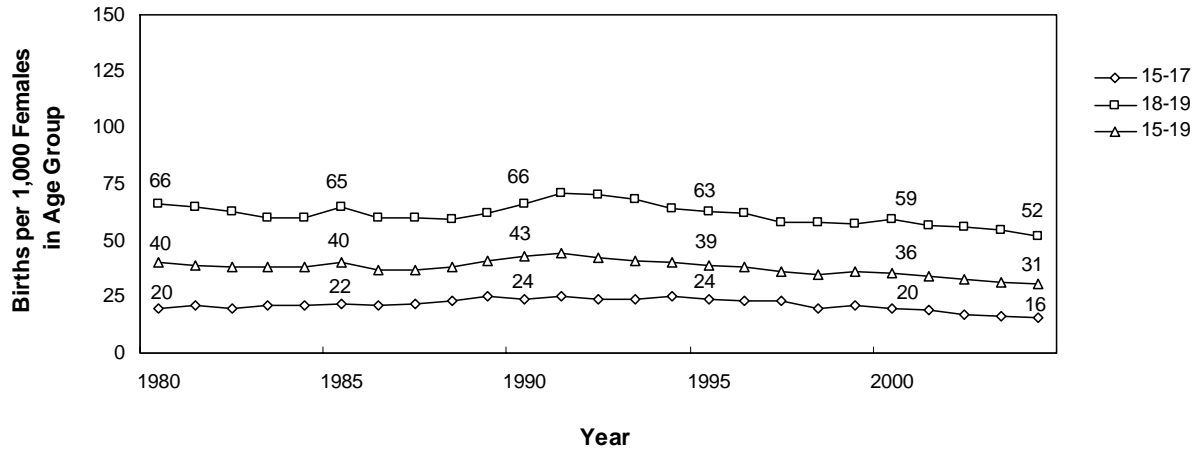


Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

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 2004, the fertility rate for Wisconsin teens aged 15-19 was 30.5 births per 1,000 females in this age group (Figure 2). This was lower than the rate in 2003 (31.6), 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 2003, the U.S. teen fertility rate was 41.6.

Figure 3. Teen Birth Rates, Wisconsin, 1980-2004



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

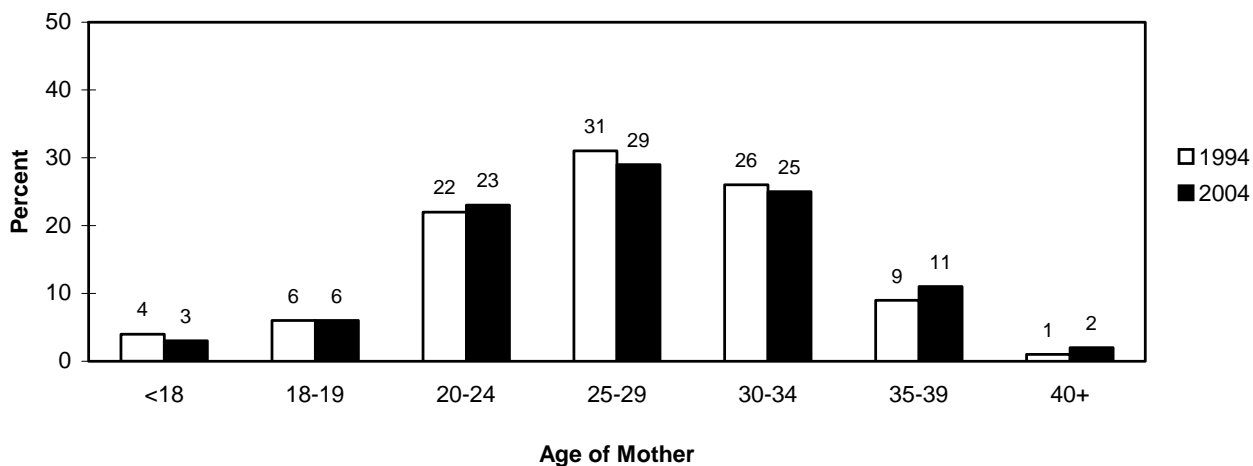
Age of Mother

Births in 2004 included:

- 91 births to teens less than 15 years old
- 1,765 births to teens 15-17 years old
- 4,231 births to teens 18-19 years old
- 16,304 births to women aged 20-24
- 20,513 births to women aged 25-29
- 17,541 births to women aged 30-34
- 7,946 births to women aged 35-39
- 1,649 births to women aged 40-44
- 77 births to women aged 45 or older
- 14 births with unreported maternal age.

- From 1994 to 2004, the percent of births to women in their early teens, late twenties, and early thirties decreased, while the percent of births to women in their early twenties and aged 35-plus increased. The proportion of births to women in their late teens remained the same (Figure 4).

Figure 4. Percent of Births by Age of Mother, Wisconsin, 1994 and 2004



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

Note: For detailed information on 2004 births by age of mother, see Tables 4-1 and 4-2, pages 87 and 88.

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 1994 (Table 1-2).

Table 1-2. Teen Births by Age, Wisconsin, 1994 and 2004

Maternal Age (Teens)	1994		2004	
	Number	Percent	Number	Percent
<15	161	2%	91	1%
15-17	2,497	35	1,765	29
18-19	4,379	62	4,231	70
Total <20	7,037	100%	6,087	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 (3,178 in 2004) (Table 1-3).
- Teen births represented 8.7 percent of all births, and a higher proportion of births to blacks, American Indians, Hispanics, and Laotian/Hmong (Table 1-3).

Table 1-3. Teen Births by Race/Ethnicity, Wisconsin, 2004

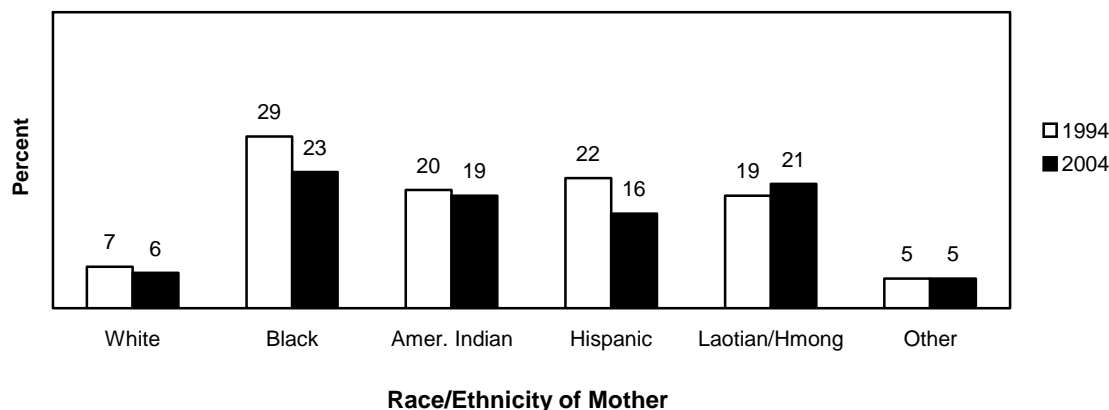
Race/Ethnicity	Number of Births		Percent of Births		
	Total	Teens (<20)	Teens (<20)	Ages 20+	Total
Total	70,131	6,087	8.7%	91.3%	100.0%
White	54,217	3,178	5.9	94.1	100.0
Black/African American	6,497	1,505	23.2	76.8	100.0
American Indian	1,034	193	18.7	81.3	100.0
Hispanic/Latino	5,915	917	15.5	84.5	100.0
Laotian/Hmong	1,045	220	21.1	78.9	100.0
Other	1,394	72	5.2	94.8	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 29 births for which race/ethnicity of mother was not reported; 2 of these were to mothers under 20 years of age. See Technical Notes (page 102) for definition of race/ethnicity categories.

- In 2004 compared to 1994, teen births represented a smaller proportion of births to African Americans (23 percent vs. 29 percent), American Indians (19 percent vs. 20 percent), and Hispanics (16 percent vs. 22 percent) (Figure 5).

Figure 5. Teen Births as a Percent of Total Births in Each Race/Ethnicity Group, Wisconsin, 1994 and 2004



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

Notes: See Technical Notes (page 102) for definition of race/ethnicity categories.

- In 2004, 10 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 (Table 1-4).

Table 1-4. Teen Births by Interval in Months Since Last Live Birth, Wisconsin, 2004

Birth Interval	All Ages	All Teens (<20)			All Ages	All Teens (<20)		
		<18	18-19		<18	18-19		
Total	70,131	1,856	4,231	100.0%	100.0%	100.0%	100.0%	
First Birth	27,749	1,678	3,280	39.6	81.5	90.4	77.5	
1-11 Months	562	9	49	0.8	1.0	0.5	1.2	
12-17 Months	3,640	60	212	5.2	4.5	3.2	5.0	
18-23 Months	5,787	41	215	8.3	4.2	2.2	5.1	
24-Plus Months	29,482	53	392	42.0	7.3	2.9	9.3	
Unknown	1,753	6	48	2.5	0.9	0.3	1.1	
Plural Delivery	1,158	9	35	1.7	0.7	0.5	0.8	

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 14 births for which age of mother was not reported. The “plural delivery” row includes those births in each multiple birth that are second or later 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

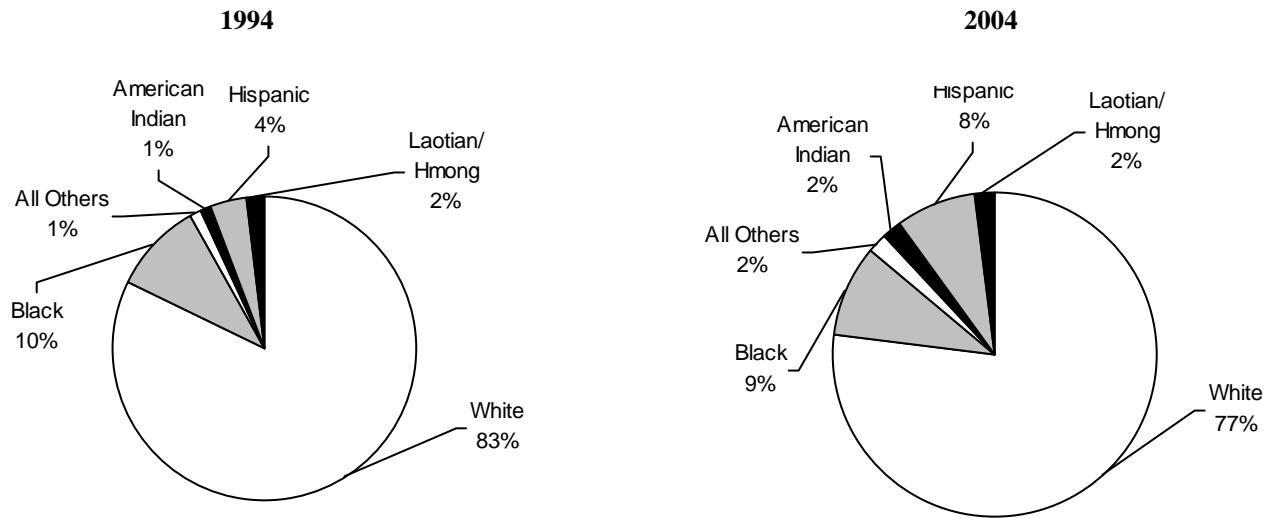
- In 2004, 54,217 births (77.3%) were to non-Hispanic white women (Table 1-5). This percentage was about the same in 2003 (78.3%), but lower than in 1994 (82.7%).
- 6,497 births (9.3%) were to non-Hispanic black women (Table 1-5). The percent of births to black women has been fairly stable since 1994.
- 1,034 births (1.5%) were to American Indian women (Table 1-5). This proportion has been stable for the past decade.
- 5,915 births (8.4%) were to Hispanic women (Table 1-5). Since 1994, this group has represented an increasing proportion of births in Wisconsin.
- 1,045 births (1.5%) were to Laotian/Hmong women, similar to the 1994 percentage (1.9%).
- An additional 1,394 births (2.0%) were to women in other racial/ethnic groups (mostly Asian).

Table 1-5. Number and Percent of Births by Race/Ethnicity, Wisconsin, 1994 and 2004

	1994		2004	
	Number	Percent	Number	Percent
Total	68,267	100.0%	70,131	100.0%
White	56,452	82.7	54,217	77.3
Black/African American	6,813	10.0	6,497	9.3
American Indian	750	1.1	1,034	1.5
Hispanic/Latino	2,398	3.5	5,915	8.4
Laotian/Hmong	1,281	1.9	1,045	1.5
Other	558	0.8	1,394	2.0
Unknown	15	0.0	29	0.0

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

Figure 6. Percent of Births by Race/Ethnicity of Mother, Wisconsin, 1994 and 2004



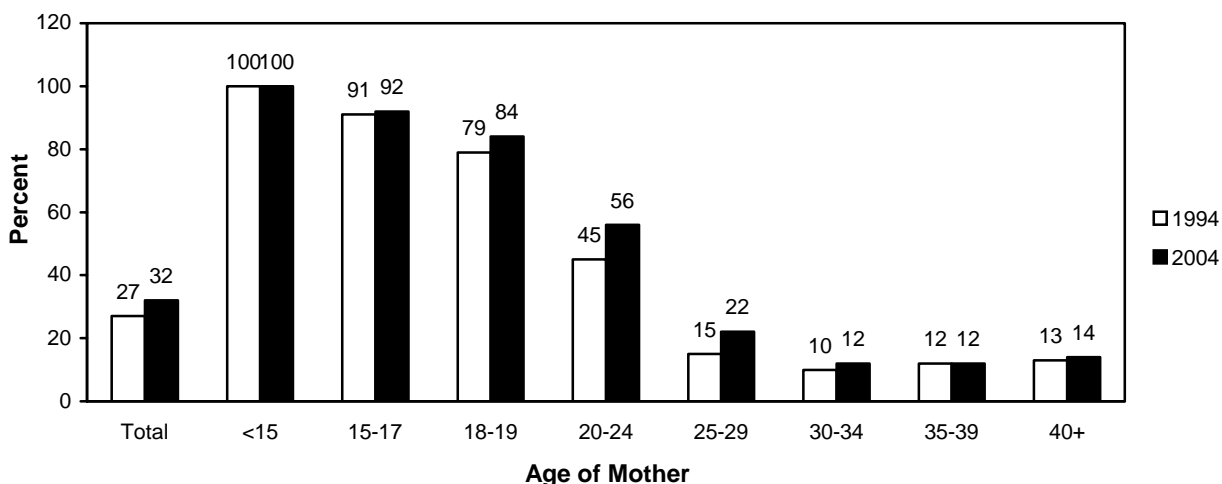
Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Notes: See Technical Notes (page 102) for definition of race/ethnicity categories. For detailed information on 2004 births by race of mother, see Tables 4-3 and 4-4, pages 89-92. Percents may not add to 100 due to rounding.

Marital Status of Mother

- In 2004, 32 percent of births were to unmarried women, compared with 27 percent in 1994 (Figure 7).
- In general, the percent of births to mothers who are unmarried decreases with age. Eighty-four percent of those aged 18-19 giving birth in 2004 were unmarried, compared with only 12 percent of those aged 30-34 (Figure 7).
- Between 1994 and 2004, the unmarried percentage increased in almost every maternal age group (Figure 7). The largest increase occurred among mothers aged 20-24 (from 45 to 56 percentage points).

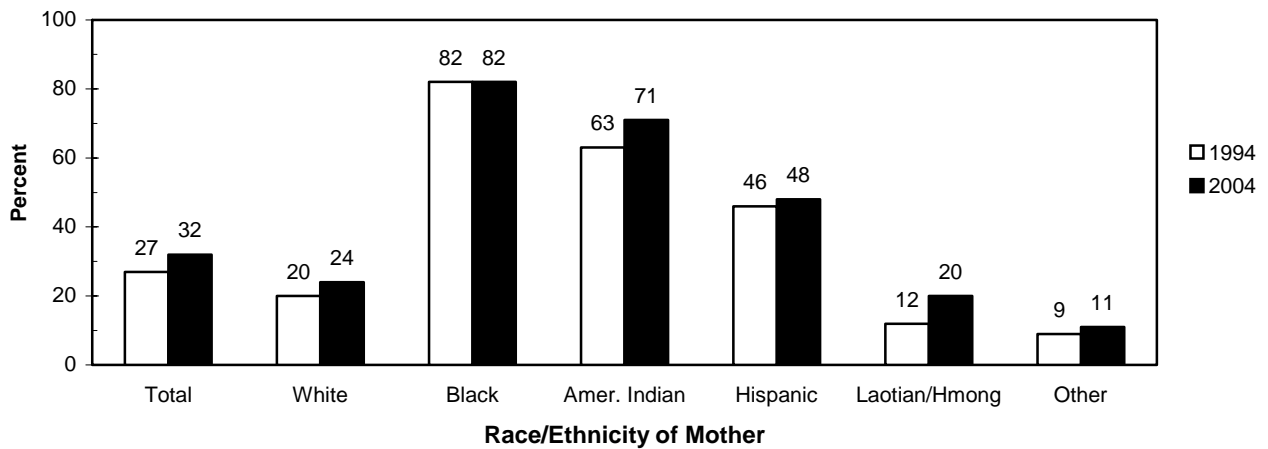
Figure 7. Percent of Births to Unmarried Mothers, by Age, Wisconsin, 1994 and 2004



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

- From 1994 to 2004, the percent of non-marital births increased among whites, American Indians, Hispanics, and Laotian/Hmong and remained stable among blacks (Figure 8).
- The Wisconsin percent of births to unmarried mothers in 2004 (32%) was lower than the national percent (35%). However, the percent of births to unmarried mothers was higher in Wisconsin than nationally among blacks (82% vs. 69%) and Hispanics (48% vs. 45%).

Figure 8. Percent of Births to Unmarried Mothers, by Race/Ethnicity, Wisconsin, 1994 and 2004



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

Notes: See Technical Notes (page 102) for definition of race/ethnicity categories.

Education of Mother

- In 2004, 16 percent of women who gave birth had not finished high school, the same proportion as in 1994 (Figure 9). By age, the percentages with less than a high school education in 2004 were:

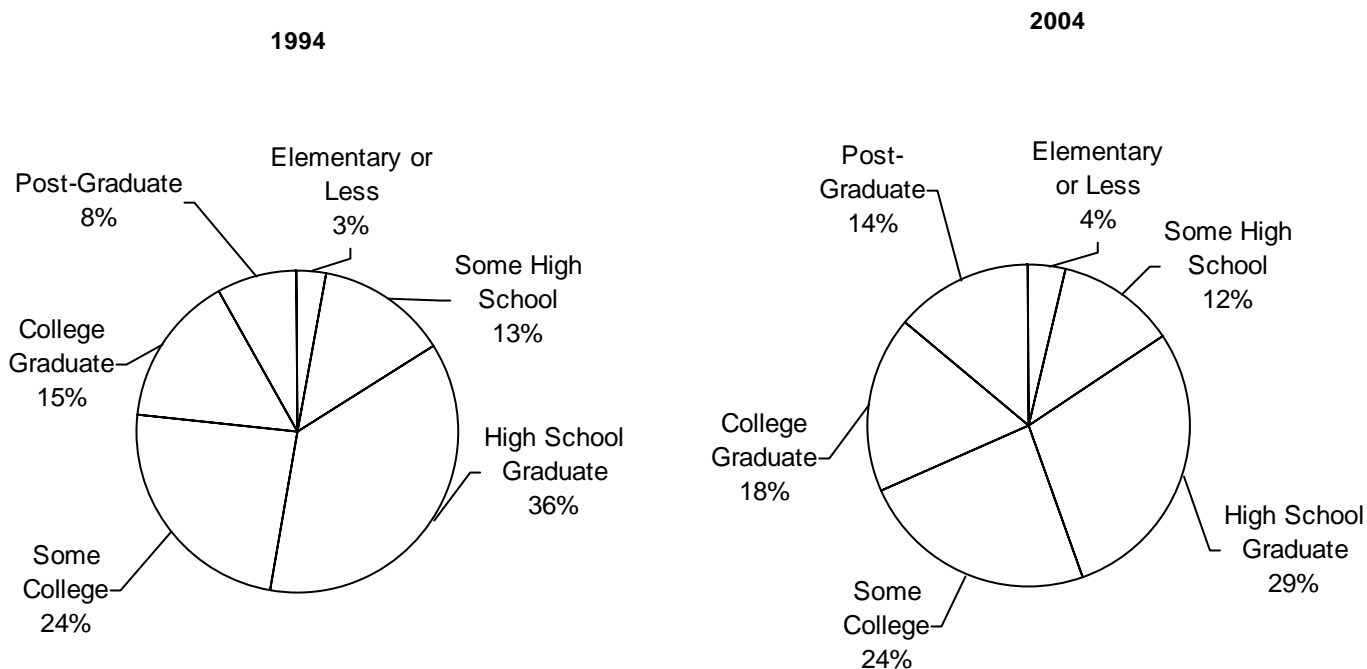
93% among mothers less than 18
39% among mothers 18-19
22% among mothers 20-24
10% among mothers 25-29
6% among mothers 30-34
6% among mothers 35-39
11% among mothers 40 or older

- On average, mothers in minority race/ethnicity groups were less likely to have completed high school. In 2004, the proportions of births to women with less than a high school education were:

9% among whites
37% among blacks
27% among American Indians
52% among Hispanics
31% among Laotian/Hmong
6% among other race/ethnicity groups

- Fifty-six percent of women who gave birth in 2004 had attended college for one year or more (Figure 9). The comparable percentage in 1994 was 47 percent.

Figure 9. Percent of Births by Education of Mother, Wisconsin, 1994 and 2004



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

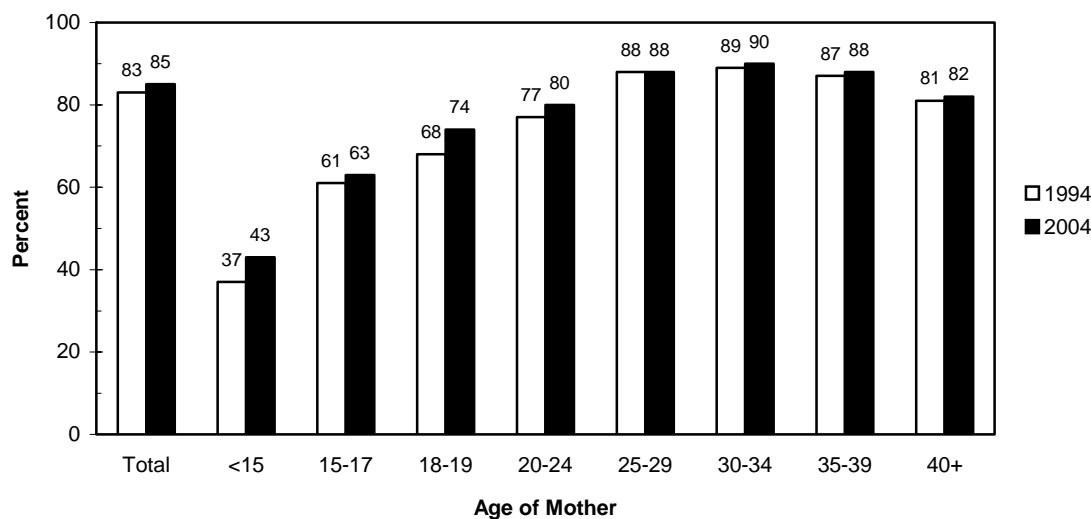
Notes: “Some High School” or “Some College” means the mother completed at least one year of schooling at that level. For detailed information on 2004 births by education of mother, see Tables 4-1 through 4-7, pages 87-96. Percents may not add to 100 due to rounding.

Characteristics of the Pregnancy and Delivery

Prenatal Care

- The overall proportion of women who received first-trimester prenatal care was 85 percent in 2004, compared with 83 percent in 1994 (Figure 10).
- In 2,035 births in 2004, the mother either did not begin prenatal care until the third trimester of pregnancy (1,571 births) or received no care at all (464 births) (Table 2-22). These births with “late or no prenatal care” constituted 2.9 percent of all births (down from 3.6 percent in 1994).
- In almost every age group, mothers were more likely to receive first-trimester care in 2004 than in 1994 (Figure 10).
- The percent of Wisconsin women who received first-trimester prenatal care in 2004 (85%) was slightly higher than the 2003 national figure (84%).

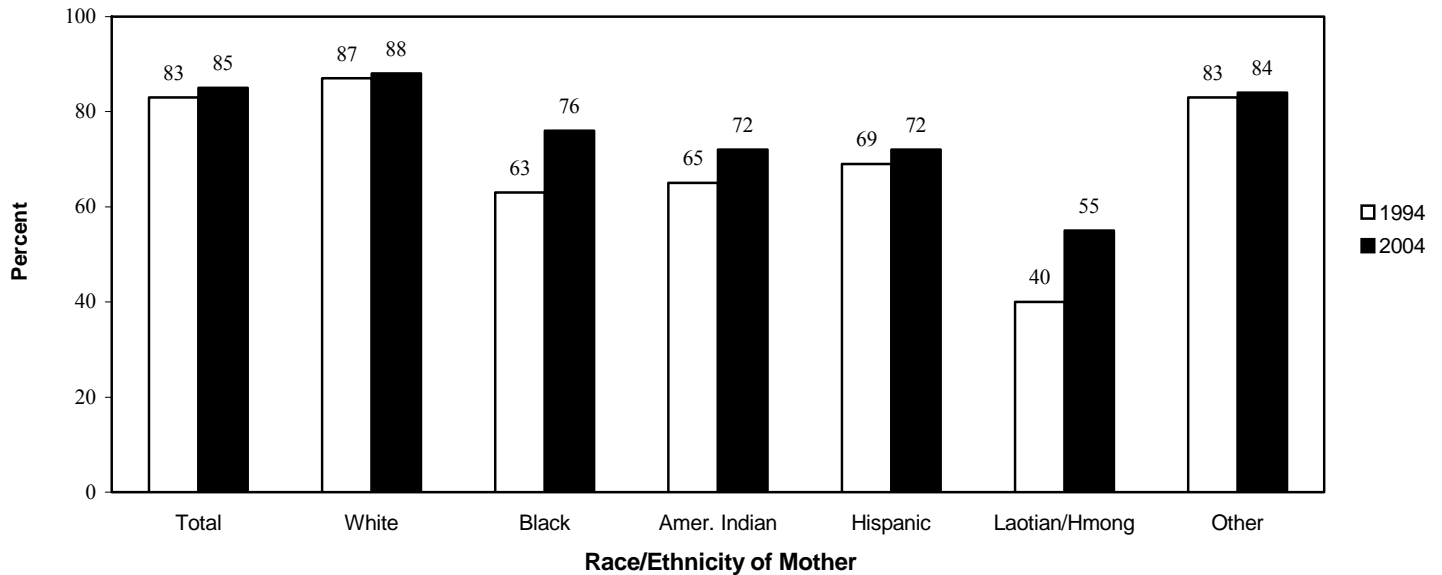
Figure 10. Percent of Births to Mothers Who Received First-Trimester Prenatal Care, by Age, Wisconsin, 1994 and 2004



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

- From 1994 to 2004, the proportion of women receiving first-trimester care increased within each race/ethnicity group. The increase was especially striking among African American, American Indian and Laotian/Hmong women (Figure 11).

Figure 11. Percent of Births to Mothers Who Received First-Trimester Prenatal Care, by Race/Ethnicity, Wisconsin, 1994 and 2004



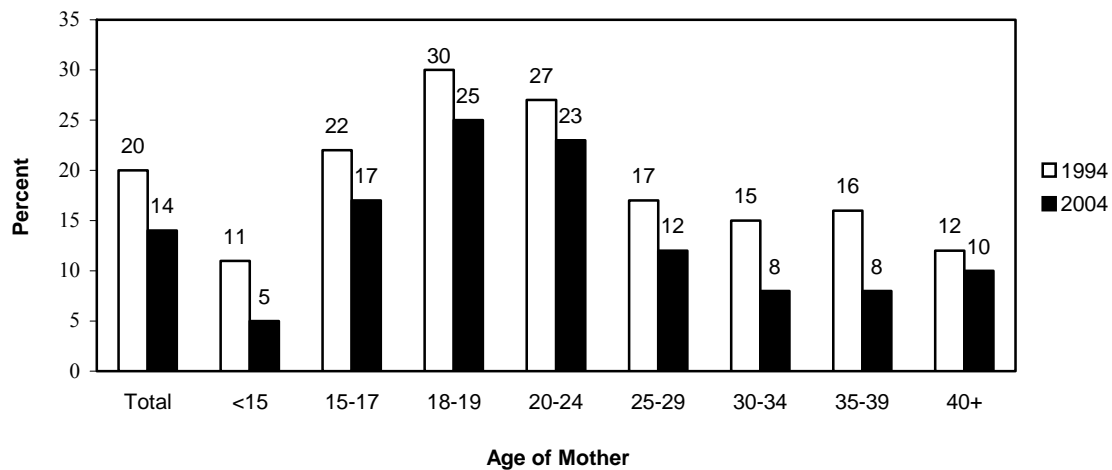
Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Notes: See Technical Notes (page 102) for definition of race/ethnicity categories.

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 20 percent in 1994 to 14 percent in 2004 (Figure 12).
- From 1994 to 2004, smoking during pregnancy declined in each age group (Figure 12).

Figure 12. Percent of Births to Mothers Who Reported Smoking Cigarettes During Pregnancy, by Age, Wisconsin, 1994 and 2004

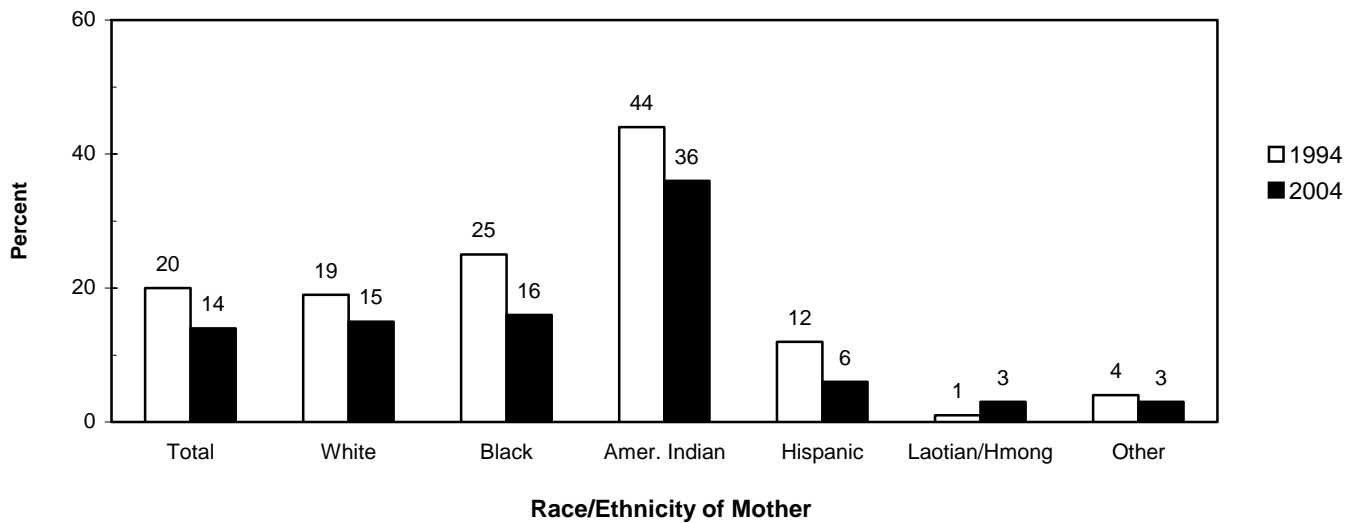


Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Notes: For detailed information on 2004 births by smoking behavior during pregnancy, see Tables 4-1 through 4-5, pages 87-94.

- From 1994 to 2004, the percentage of mothers who reported smoking during pregnancy declined in most race/ethnicity groups (Figure 13). The only exception was found among the Laotian/Hmong 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 (1.1% of mothers reported drinking during pregnancy in 2004) and the 2004 Behavioral Risk Factor Survey (67% 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, 1994 and 2004



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

Notes: See Technical Notes (page 102) for definition of race/ethnicity categories. For detailed information on 2004 births by smoking behavior during pregnancy, see Tables 4-1 through 4-5, pages 87 to 94.

Medical Risk Factors

The most frequently reported maternal medical risk factors reported for 2004 births were hypertension (reported in 6.1 percent of births), sexually transmitted diseases (5.5 percent), diabetes (4.3 percent), lung disease (3.8 percent), and anemia (3.2 percent) (Table 1-6).

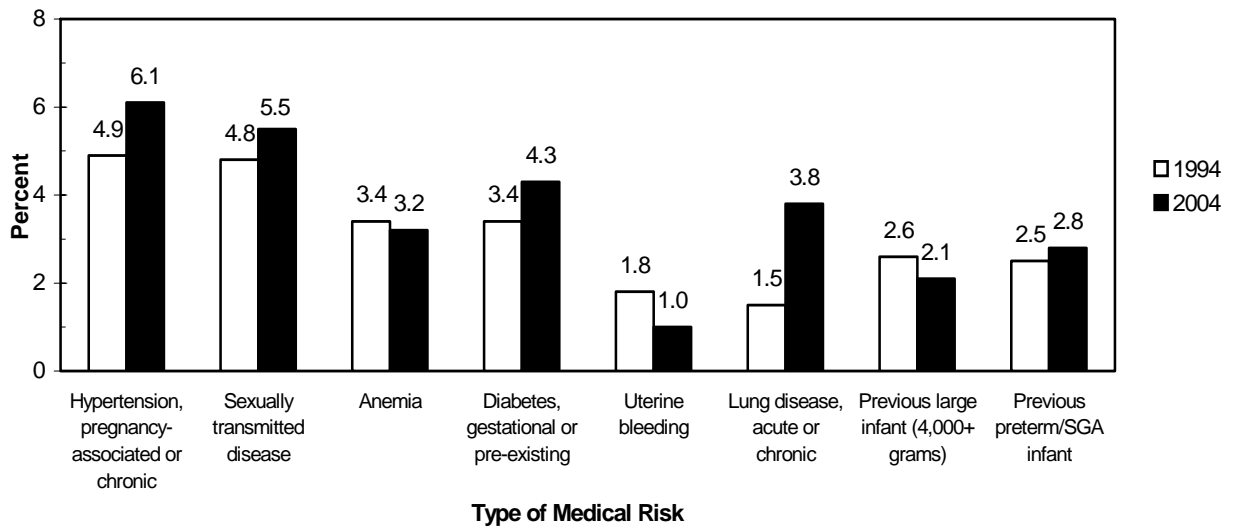
Table 1-6. Births with Reported Medical Risk Factors, Wisconsin, 2004

	Number	Percent
Sexually Transmitted Diseases	3,871	5.5%
Hypertension	4,264	6.1
Pregnancy-Associated	3,529	5.0
Chronic	735	1.0
Diabetes	3,048	4.3
Gestational	2,619	3.7
Pre-Existing	429	0.6
Anemia	2,264	3.2
Lung Disease, Acute or Chronic	2,684	3.8
Previous Preterm/Small for Gestational Age Infant	1,943	2.8
Previous Large Infant (4,000+ grams)	1,497	2.1
Uterine Bleeding	719	1.0
Cardiac Disease	693	1.0
Hydramnios/Oligohydramnios	813	1.2
Renal Disease	402	0.6
Rh Sensitization	327	0.5
Eclampsia	237	0.3
Incompetent Cervix	210	0.3
Hemoglobinopathy	220	0.3
Any Reported	34,329	48.9

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

Notes: See Technical Notes (page 104) 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, 1994 and 2004



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

Methods of Delivery

In 2004, the following methods of delivery were reported:

Vaginal (no previous C-section)	52,322	74.6%
Primary C-Section	9,521	13.6
Repeat C-Section	6,395	9.1
Vaginal After Previous C-Section (VBAC)	1,012	1.4
Forceps	879	1.3
Other	2	0.0
Total	70,131	100.0%

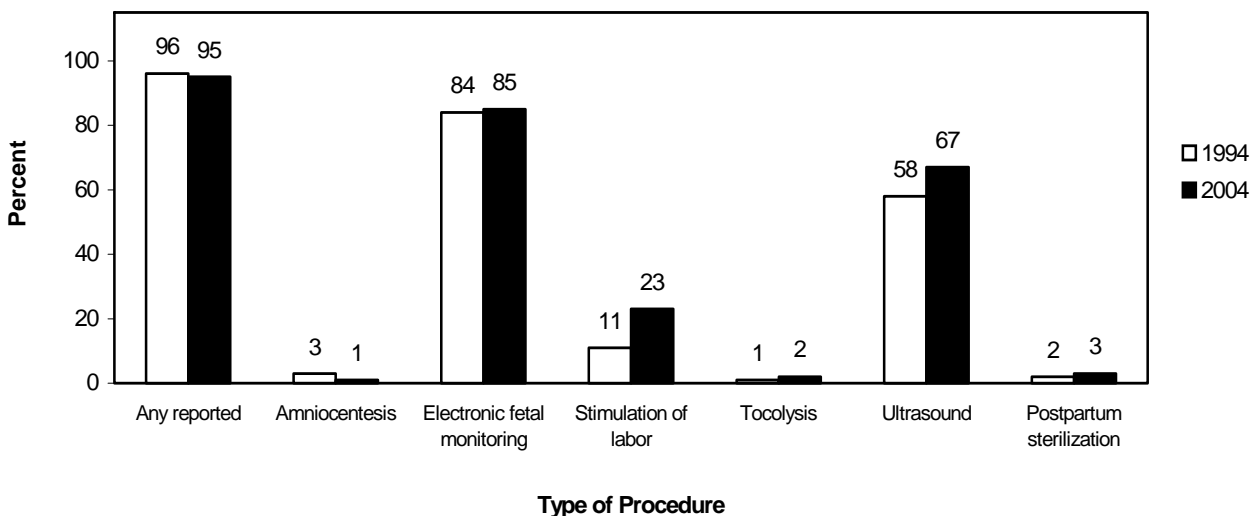
Obstetric Procedures

In 2004, births with reported obstetric procedures included:

Electronic fetal monitoring	59,590	85.0%
Ultrasound	47,183	67.3
Induction of labor	17,053	24.3
Stimulation of labor	16,432	23.4
Amniocentesis	761	1.1
Postpartum sterilization	2,041	2.9
Tocolysis	1,294	1.8
Other procedures	31	0.0
Births With Reported Procedure(s)	66,621	95.0

Notes: See Technical Notes (page 105) for definitions of obstetric procedures. Each birth could have more than one type of procedure reported.

Figure 15. Percent of Births with Obstetric Procedures Reported, Wisconsin, 1994 and 2004



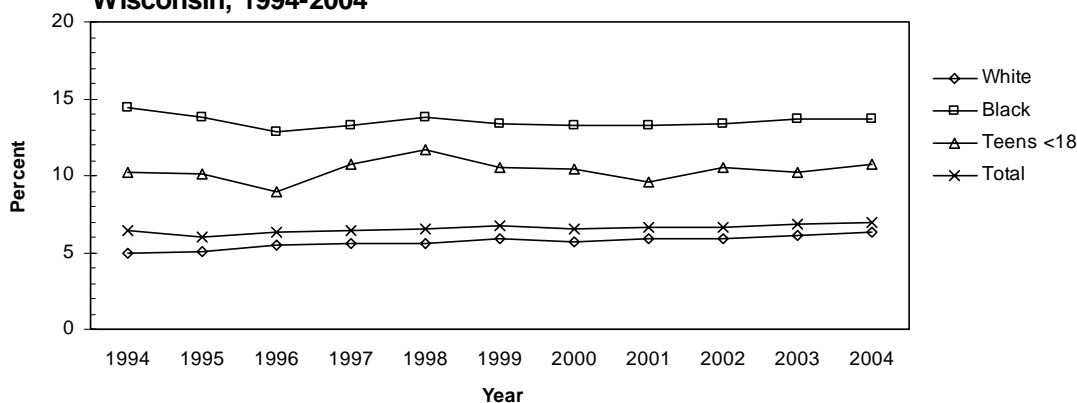
Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Characteristics of the Newborn

Low Birthweight

- In 2004, 4,907 Wisconsin infants were low birthweight; that is, they weighed less than 2,500 grams (about 5.5 pounds) at birth (Table 2-26). This total represented 7.0 percent of all births (compared to 6.8 percent in 2003). In comparison, 7.9 percent of all infants born in the United States in 2003 weighed less than 2,500 grams.
- Among these low birthweight infants, 869 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 (Table 2-26). The very low birthweight percentage was 1.2 percent among all births, and 1.0 percent of births to whites, 1.3 percent of births to Hispanics, 3.3 percent of births to blacks, 1.0 percent of births to American Indians, and 1.4 percent of births to Laotian/Hmong (Table 4-5).
- Compared with the overall incidence of low birthweight in 2004 (7.0 percent), higher percentages of low-birthweight infants were born to (Table 4-5):
 - Mothers who received no prenatal care (23.1 percent),
 - Mothers less than 15 years old (14.3 percent),
 - Non-Hispanic black women (13.7 percent),
 - Women who smoked during pregnancy (11.2 percent),
 - Women who were unmarried (9.6 percent),
 - Women with less than a high school education (9.0 percent).
- From 1994 to 2004, 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 2004, this percentage was 10.7 (compared with 6.9 among mothers age 18 and older).
- Forty-two percent of premature infants were of low birthweight (Table 4-5).
- Twins or other multiple births made up 26.1 percent of all low-birthweight births in 2004.

Figure 16. Percent of Births at Low Birthweight (< 2,500 grams), Wisconsin, 1994-2004

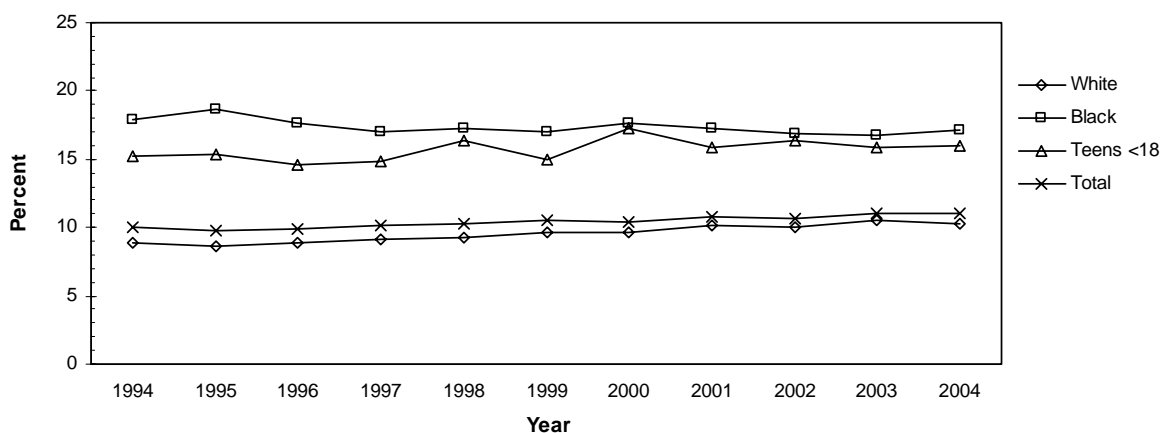


Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Prematurity

- In 2004, 7,703 Wisconsin infants were born prematurely (with a gestation of less than 37 weeks) (Table 4-1). This total represented 11.0 percent of all births (the same as in 2003). (See Technical Notes, page 103, for full definition of prematurity.)
- Compared with the overall proportion of premature infants in 2004 (11.0 percent), higher percentages of premature infants were born to:
 - Non-Hispanic black women (17.1 percent),
 - Teenagers less than 18 years old (16.0 percent),
 - Women who were unmarried (13.4 percent),
 - Women who smoked during pregnancy (13.0 percent),
 - Women with less than a high school education (12.6 percent),
 - Laotian/Hmong women (11.5 percent).
- Sixty-six percent of low birthweight infants (birthweight under 2,500 grams) were premature.
- Twins or other multiple births made up 17.1 percent of all premature births in 2004. From 1994 to 2004, multiple births increased from 2.7 percent to 3.2 percent of all births.
- Prematurity increased from 10.0 percent of all births in 1994 to 11.0 percent of all births in 2004 (Figure 17).
- Prematurity among infants born to mothers less than 18 years of age was 16.0 percent in 2004, higher than the 1994 percent (15.2) (Figure 17). The prematurity rate among infants born to mothers 18 and older was 10.8 percent in 2004.

Figure 17. Percent of Premature Births, Wisconsin, 1994-2004

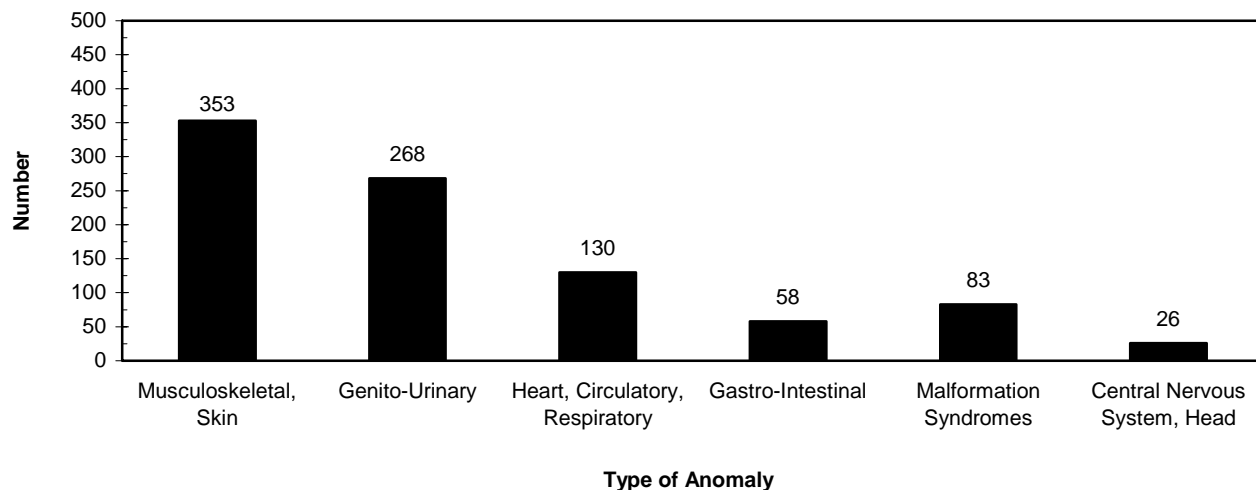


Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

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. In 2004, if the date of last normal menses was unknown or invalid or the computed estimate of gestational age was less than 16 weeks or greater than 45 weeks, then the clinical estimate of gestation was used. Data for 1994-2003 shown on this page were recalculated to make them comparable with data for 2004 and subsequent years, and differ from previously published data.

Congenital Anomalies

Figure 18. Number of Reported Congenital Anomalies, Wisconsin 2004



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

Table 1-7. Reported Congenital Anomalies, Wisconsin 2004

Total Births With Reported Anomalies	971	Genito-Urinary	268
		Malformed Genitalia	165
Central Nervous System, Head	26	Renal Agenesis	23
Anencephalus	4	Other Urogenital	85
Spina Bifida/Meningocele	13		
Hydrocephalus	1	Musculoskeletal/Skin	353
Microcephalus	1	Cleft Lip, Palate	74
Other Central Nervous System	9	Polydactyly, Syndactyly, Adactyly	94
		Club Foot	57
Heart, Circulatory, Respiratory	130	Diaphragmatic Hernia	9
Heart Malformations	94	Other Musculoskeletal/ Integumental	130
Other Circulatory/Respiratory	40		
		Malformation Syndromes	83
Gastro-Intestinal	58	Down Syndrome	58
Rectal Atresia, Stenosis	17	Other Chromosomal	25
Tracheo-Esophageal Fistula	11		
Omphalocele, Gastroschisis	17	All Other	152
Other Gastrointestinal	14		

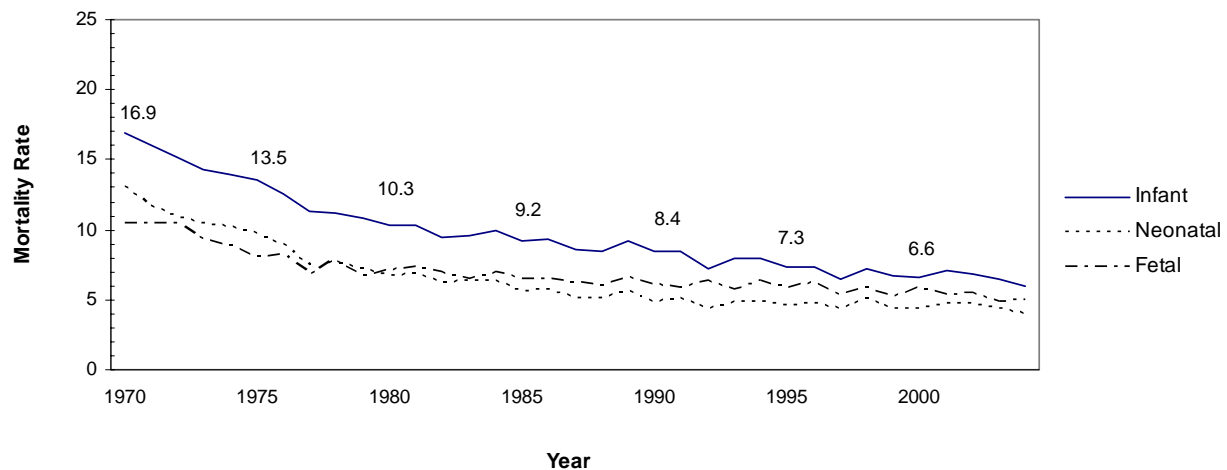
Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

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, 420 infants under the age of one year died in 2004 (Table 2-28). The 2004 infant mortality rate was 6.0 infant deaths per 1,000 live births, compared to 6.5 in 2003 and 7.9 in 1994 (Figure 19). The 2002 U.S. infant mortality rate (the latest available data) was 7.0 infant deaths per 1,000 live births.
- There were 280 neonatal deaths (deaths of infants less than 28 days of age) in 2004, accounting for 67 percent of total infant deaths that year. The neonatal mortality rate in 2004 was 4.0 neonatal deaths per 1,000 live births, compared with 4.4 in 2003 and 4.8 in 1994 (Figure 19). In the U.S. in 2002 (the latest available data), the neonatal mortality rate was 4.7 per 1,000 live births.
- The fetal death rate (fetal deaths per 1,000 live births and fetal deaths) was 5.0 in 2004 (Figure 19). In comparison, the fetal death rate for 1994 was 6.4 per 1,000. (For the definition of “fetal death,” see Technical Notes, page 103.)
- Infants born to teenagers are at a higher risk of death than infants born to older mothers. In 2004, the infant mortality rate was 11.5 per 1,000 births among infants born to mothers aged less than 20, compared with 5.5 per 1,000 among infants born to women aged 20 and older.
- There were 6 maternal deaths in 2004; these are deaths attributed to pregnancy-related health conditions or events of delivery.

Figure 19. Infant, Neonatal, and Fetal Mortality Rates, 1970-2004

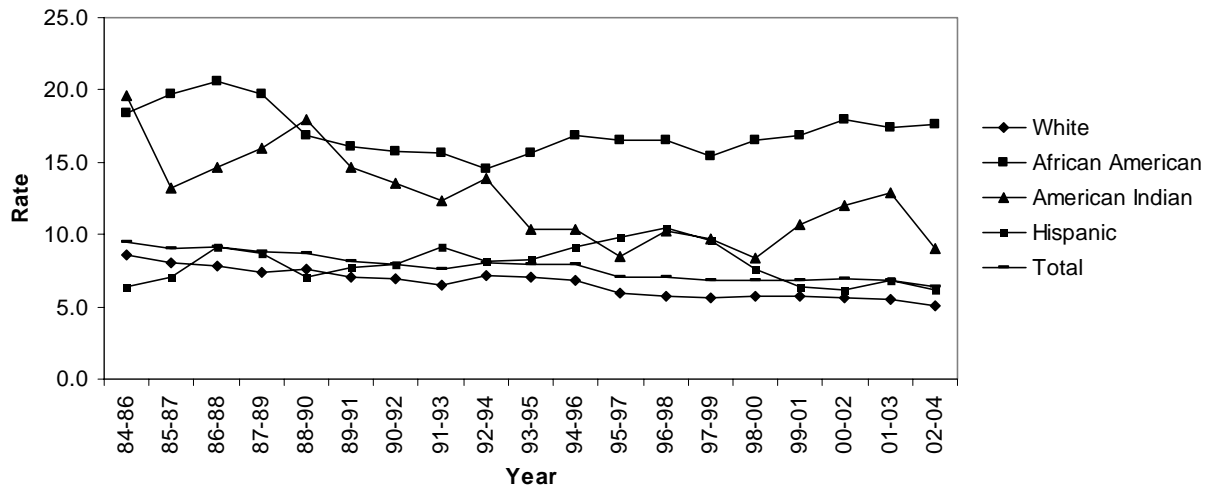


Source: Resident birth certificates, matched birth-death file, and fetal death file, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

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 2004 infant, neonatal and fetal deaths, see Table 4-8, pages 97-98.

- The black infant mortality rate for 2004 was 19.2 deaths per 1,000 births to black mothers, compared to 15.3 in 2003 and 18.6 in 1994. The 2004 white infant mortality rate was 4.5 deaths per 1,000 births to white women, compared to 5.3 in 2003 and 6.5 in 1994. The Hispanic infant mortality rate for 2004 was 5.1 deaths per 1,000 births to Hispanic women, lower than the rate for 2003 (6.9) and 1994 (9.2). The number of American Indian infant deaths in any single year was too small to present a rate.
- Based on three-year rolling average infant mortality rates (Figure 20), American Indian infant mortality has dropped markedly since 1984. The rate was 19.6 per 1,000 live births in 1984-1986 and 9.0 per 1,000 in 2002-2004.
- The African American infant mortality rate has remained much higher than the rate for other populations in Wisconsin for two decades. The three-year average rate was 18.4 per 1,000 live births in 1984-1986, declined to a low of 14.5 per 1,000 live births in 1992-1994, but increased again to 17.6 in 2002-2004.
- The Hispanic infant mortality rate fluctuated but remained essentially unchanged; it was 6.4 per 1,000 live births in 1984-1986 and 6.2 per 1,000 in 2002-2004.
- Total infant mortality and white infant mortality declined gradually over the 1984-2004 period.

Figure 20. Infant Mortality Rates by Race/Ethnicity, Three-Year Rolling Averages, 1984-2004



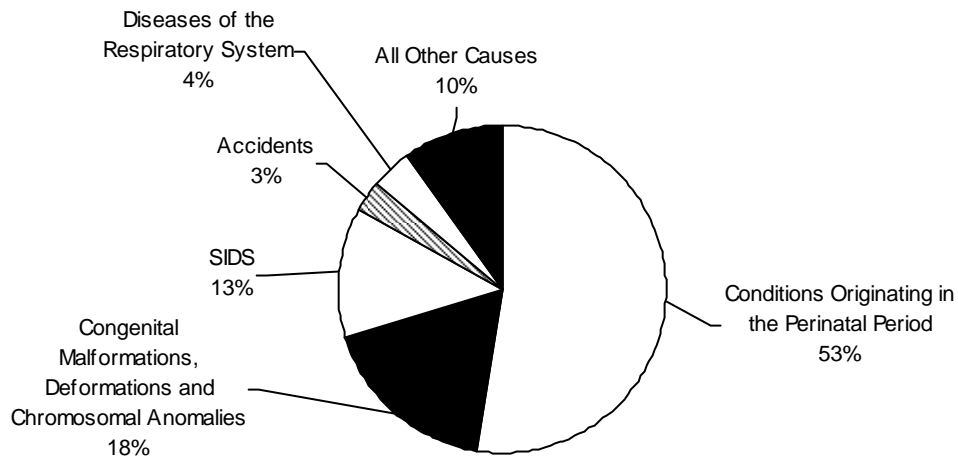
Source: Matched birth-death file, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

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 2004 infant, neonatal and fetal deaths, see Table 4-8, pages 97-98. Total includes all infant deaths, including Asian and "Other," too small to be shown separately.

Causes of Infant Death

- “Conditions originating in the perinatal period” accounted for 53 percent of infant deaths in 2004 (Figure 21). 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 (Figure 22).
- Congenital malformations, deformations and chromosomal anomalies accounted for 18 percent of infant deaths in 2004.
- Thirteen percent of infant deaths in 2004 were attributed to Sudden Infant Death Syndrome (SIDS).

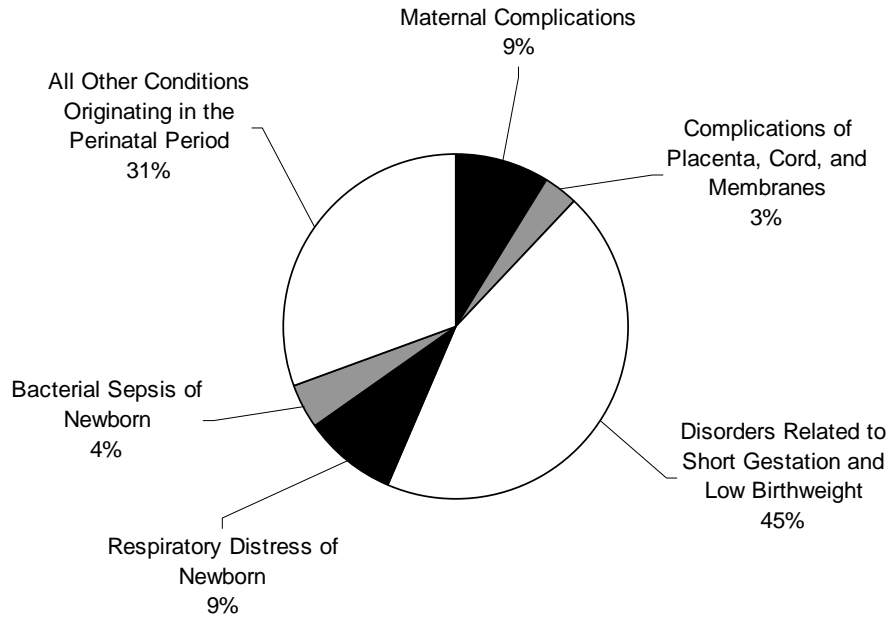
Figure 21. Leading Causes of Infant Death, 2004



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 103.

Figure 22. Causes of Infant Death, Conditions Originating in the Perinatal Period, 2004



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 103.

Table 2-1. Population, Births by Sex, Crude and General Fertility Rates by County of Residence, Wisconsin 2004

County	Population Estimate	Total Births	Male	Female	Crude Birth Rate	General Fertility Rate
Total	5,539,082	70,131	35,983	34,147	12.7	60.3
Adams	20,703	162	74	88	7.8	53.3
Ashland	16,904	184	93	91	10.9	52.4
Barron	46,444	527	253	274	11.3	59.3
Bayfield	15,504	140	81	59	9.0	54.3
Brown	238,680	3,211	1,653	1,558	13.5	60.9
Buffalo	13,983	155	78	77	11.1	59.8
Burnett	16,544	144	76	68	8.7	55.0
Calumet	44,416	701	366	335	15.8	74.9
Chippewa	59,990	719	381	338	12.0	62.0
Clark	34,418	564	289	275	16.4	86.0
Columbia	54,910	637	325	312	11.6	59.7
Crawford	17,366	177	92	85	10.2	57.6
Dane	453,506	5,995	3,051	2,944	13.2	54.9
Dodge	88,439	980	527	453	11.1	58.2
Door	28,942	232	125	107	8.0	49.6
Douglas	43,863	486	239	247	11.1	53.3
Dunn	41,793	453	242	211	10.8	46.3
Eau Claire	95,656	1,105	597	508	11.6	48.4
Florence	5,160	33	14	19	6.4	38.2
Fond du Lac	99,428	1,117	562	555	11.2	53.8
Forest	10,130	108	53	55	10.7	61.9
Grant	50,353	590	292	298	11.7	59.8
Green	35,155	404	202	202	11.5	59.3
Green Lake	19,332	229	111	118	11.8	68.1
Iowa	23,659	312	157	155	13.2	64.8
Iron	6,862	42	24	18	6.1	36.1
Jackson	19,703	244	133	111	12.4	70.0
Jefferson	78,572	1,020	544	476	13.0	59.8
Juneau	25,535	293	156	137	11.5	62.8
Kenosha	157,482	2,125	1,116	1,009	13.5	61.3
Kewaunee	20,870	235	128	107	11.3	57.0
La Crosse	109,601	1,259	643	616	11.5	49.1
Lafayette	16,327	223	113	110	13.7	70.4
Langlade	21,187	216	99	117	10.2	56.6
Lincoln	30,342	315	152	163	10.4	55.4
Manitowoc	83,545	889	452	437	10.6	55.5

(Continued)

Table 2-1. Population, Births by Sex, Crude and General Fertility Rates by County of Residence, Wisconsin 2004

County	Population Estimate	Total Births	Male	Female	Crude Birth Rate	General Fertility Rate
Marathon	129,598	1,531	794	737	11.8	58.0
Marinette	44,000	423	215	208	9.6	51.7
Marquette	15,079	156	73	83	10.3	60.0
Menominee	4,606	102	51	51	22.1	108.5
Milwaukee	934,933	14,635	7,495	7,139	15.7	70.0
Monroe	42,733	587	308	279	13.7	70.6
Oconto	37,794	400	208	192	10.6	54.8
Oneida	37,636	333	174	159	8.8	51.0
Outagamie	169,470	2,294	1,209	1,085	13.5	61.8
Ozaukee	85,665	883	438	445	10.3	54.1
Pepin	7,537	91	43	48	12.1	65.8
Pierce	38,688	466	238	228	12.0	49.8
Polk	44,098	508	248	260	11.5	61.0
Portage	68,496	710	353	357	10.4	45.1
Price	15,806	137	68	69	8.7	50.9
Racine	192,891	2,499	1,277	1,222	13.0	63.1
Richland	18,222	231	109	122	12.7	67.7
Rock	156,181	2,002	1,041	961	12.8	61.4
Rusk	15,491	150	71	79	9.7	54.5
St. Croix	73,930	1,138	582	556	15.4	71.0
Sauk	58,448	764	350	414	13.1	65.3
Sawyer	17,087	184	92	92	10.8	64.4
Shawano	41,866	473	243	230	11.3	59.8
Sheboygan	115,200	1,382	723	659	12.0	60.8
Taylor	19,881	240	108	132	12.1	61.9
Trempealeau	27,730	359	177	182	12.9	67.9
Vernon	28,940	432	226	206	14.9	82.6
Vilas	22,156	188	90	98	8.5	54.7
Walworth	97,954	1,147	607	540	11.7	55.9
Washburn	16,782	168	78	90	10.0	60.6
Washington	124,443	1,429	755	674	11.5	55.6
Waukesha	375,334	4,362	2,251	2,111	11.6	58.9
Waupaca	53,115	556	273	283	10.5	55.1
Waushara	24,528	260	125	135	10.6	65.0
Winnebago	161,473	1,839	950	889	11.4	52.1
Wood	75,982	846	447	399	11.1	56.6

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. There was one birth with unknown sex in 2004.

Table 2-2. Population, Births and Crude Birth Rate by Selected Places of Residence, Wisconsin 2004

City	Population Estimate	Births	Crude Birth Rate
Appleton	71,895	1,347	18.7
Beloit	36,058	623	17.3
Brookfield	39,607	285	7.2
Caledonia (T)	24,452	164	6.7
De Pere	22,038	331	15.0
Eau Claire	63,897	806	12.6
Fitchburg	22,030	261	11.8
Fond du Lac	42,865	630	14.7
Franklin	31,804	304	9.6
Green Bay	103,653	1,872	18.1
Greenfield	36,059	337	9.3
Janesville	61,310	848	13.8
Kenosha	92,808	1,673	18.0
La Crosse	51,507	587	11.4
Madison	217,935	3,142	14.4
Manitowoc	34,612	415	12.0
Menomonee Falls (V)	33,660	352	10.5
Mequon/Thiensville	26,694	227	8.5
Milwaukee	593,920	11,027	18.6
Mount Pleasant (T)	24,347	91	3.7
Muskego	22,203	266	12.0
Neenah/Menasha	41,972	661	15.7
New Berlin	38,896	395	10.2
Oak Creek	31,029	428	13.8
Oshkosh	65,095	805	12.4
Racine	80,806	1,640	20.3
Sheboygan	50,672	798	15.7
South Milwaukee	21,360	226	10.6
Stevens Point	25,094	300	12.0
Sun Prairie	23,226	435	18.7
Superior	27,221	330	12.1
Watertown	22,732	367	16.1
Waukesha	66,816	1,201	18.0
Wausau	38,912	553	14.2
Wauwatosa	46,511	518	11.1
West Allis	60,607	699	11.5
West Bend	29,204	438	15.0

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 2-3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2004

STATE TOTAL	70,131	CHIPPEWA	719	Sun Prairie (C)	435
Urban*	55,514	Bloomer (C)	51	Verona (C)	166
Balance of State	14,617	Chippewa Falls (C)	217	Waunakee (V)	152
		Eagle Point (T)	20	Westport (T)	22
ADAMS	162	Eau Claire (C) (Pt.)	33	Windsor (T)	55
Rome (T)	6	Lafayette (T)	49	Balance of County	374
Balance of County	156	Lake Hallie (V)	1		
		Stanley (C)	29	DODGE	980
ASHLAND	184	Wheaton (T)	23	Beaver Dam (C)	246
Ashland (C)	91	Balance of County	296	Beaver Dam (T)	34
Balance of County	93			Columbus (C) (Pt.)	2
		CLARK	564	Fox Lake (T)	8
BARRON	527	Neillsville (C)	34	Horicon (C)	68
Barron (C)	59	Balance of County	530	Juneau (C)	28
Rice Lake (C)	103			Mayville (C)	51
Rice Lake (T)	29	COLUMBIA	637	Watertown (C) (Pt.)	120
Balance of County	336	Columbus (C) (Pt.)	69	Waupun (C) (Pt.)	72
		Lodi (C)	30	Balance of County	351
BAYFIELD	140	Lodi (T)	44		
		Pacific (T)	16	DOOR	232
BROWN	3,211	Portage (C)	142	Sevastopol (T)	10
Allouez (V)	102	Balance of County	336	Sturgeon Bay (C)	123
Ashwaubenon (V)	97			Balance of County	99
Bellevue (V)	11	CRAWFORD	177		
De Pere (C)	331	Prairie du Chien (C)	76	DOUGLAS	486
Green Bay (C)	1,872	Balance of County	101	Superior (C)	330
Hobart (V)	28			Balance of County	156
Howard (V)	152	DANE	5,995		
Ledgeview (T)	18	Bristol (T)	21	DUNN	453
Pittsfield (T)	20	Burke (T)	12	Menomonie (C)	172
Pulaski (V) (Pt.)	65	Cottage Grove (V)	21	Menomonie (T)	34
Scott (T)	35	Cottage Grove (T)	93	Balance of County	247
Suamico (V)	3	Cross Plains (V)	58		
Balance of County	477	De Forest (V)	154	EAU CLAIRE	1,105
		Dunn (T)	27	Altoona (C)	82
BUFFALO	155	Edgerton (C) (Pt.)	4	Eau Claire (C) (Pt.)	773
Mondovi (C)	43	Fitchburg (C)	261	Pleasant Valley (T)	18
Balance of County	112	Madison (C)	3,142	Seymour (T)	23
		Madison (T)	28	Union (T)	15
BURNETT	144	Marshall (V)	47	Washington (T)	42
		McFarland (V)	108	Balance of County	152
CALUMET	701	Middleton (C)	210		
Appleton (C) (Pt.)	224	Middleton (T)	40	FLORENCE	33
Brillion (C)	47	Monona (C)	77		
Chilton (C)	76	Mount Horeb (V)	93	FOND DU LAC	1,117
Harrison (T)	108	Oregon (T)	18	Empire (T)	13
Kiel (C) (Pt.)	5	Oregon (V)	128	Fond du Lac (C)	630
Menasha (C) (Pt.)	33	Pleasant Springs (T)	15	North Fond du Lac (V)	45
New Holstein (C)	35	Springfield (T)	18	Ripon (C)	81
Balance of County	173	Stoughton (C)	216		

* Sum of incorporated places having a population of 2,500 or more according to 2004 population estimates provided by the Wisconsin Department of Administration, Demographic Services Center.

(Continued)

Table 2-3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2004

Taycheedah (T)	24	Kenosha (C)	1,673	Rothschild (V)	30
Waupun (C) (Pt.)	42	Paddock Lake (V)	10	Wausau (C)	553
Balance of County	282	Pleasant Prairie (V)	158	Weston (V)	106
		Randall (T)	6	Balance of County	683
FOREST	108	Salem (T)	89		
		Somers (T)	25	MARINETTE	423
GRANT	590	Twin Lakes (V)	78	Marinette (C)	132
Boscobel (C)	41	Wheatland (T)	19	Peshtigo (C)	33
Lancaster (C)	75	Balance of County	42	Peshtigo (T)	33
Platteville (C)	96			Stephenson (T)	19
Balance of County	378	KEWAUNEE	235	Balance of County	206
		Algoma (C)	43		
GREEN	404	Kewaunee (C)	28	MARQUETTE	156
Brodhead (C)	54	Balance of County	164		
Monroe (C)	154			MENOMINEE	102
Balance of County	196	LA CROSSE	1,259	Menominee (T)	102
		Campbell (T)	26		
GREEN LAKE	229	Holland (T)	26	MILWAUKEE	14,635
Berlin (C) (Pt.)	69	Holmen (V)	146	Bayside (V)(Pt.)	33
Balance of County	160	La Crosse (C)	587	Brown Deer (V)	96
		Onalaska (C)	227	Cudahy (C)	213
IOWA	312	Onalaska (T)	34	Fox Point (V)	51
Dodgeville (C)	69	Shelby (T)	24	Franklin (C)	304
Mineral Point (C)	43	West Salem (V)	62	Glendale (C)	118
Balance of County	200	Balance of County	127	Greendale (V)	116
				Greenfield (C)	337
IRON	42	LAFAYETTE	223	Hales Corners (V)	63
				Milwaukee (C) (Pt.)	11,024
JACKSON	244	LANGLADE	216	Oak Creek (C)	428
Black River Falls (C)	64	Antigo (C)	122	Shorewood (V)	118
Brockway (T)	17	Balance of County	94	South Milwaukee (C)	226
Balance of County	163			St. Francis (C)	81
		LINCOLN	315	Wauwatosa (C)	518
JEFFERSON	1,020	Bradley (T)	14	West Allis (C)	699
Ft. Atkinson (C)	208	Merrill (C)	156	West Milwaukee (V)	28
Ixonia (T)	29	Merrill (T)	14	Whitefish Bay (V)	174
Jefferson (C)	109	Tomahawk (C)	45	Balance of County	8
Koshkonong (T)	21	Balance of County	86		
Lake Mills (C)	72			MONROE	587
Oakland (T)	18	MANITOWOC	889	Sparta (C)	169
Waterloo (C)	46	Kiel (C) (Pt.)	51	Sparta (T)	17
Watertown (C) (Pt.)	247	Manitowoc (C)	415	Tomah (C)	143
Whitewater (C) (Pt.)	22	Manitowoc Rapids (T)	13	Balance of County	258
Balance of County	248	Two Rivers (C)	134		
		Balance of County	276	OCONTO	400
JUNEAU	293			Chase (T)	22
Mauston (C)	78	MARATHON	1,531	Little Suamico (T)	59
Balance of County	215	Kronenwetter (V)	39	Oconto (C)	78
		Marshfield (C) (Pt.)	7	Oconto Falls (C)	19
KENOSHA	2,125	Mosinee (C)	72	Balance of County	222
Bristol (T)	25	Rib Mountain (T)	41		

(Continued)

Table 2-3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2004

ONEIDA	333	Osceola (V)	50	RUSK	150
Minocqua (T)	43	Osceola (T)	46	Ladysmith (C)	40
Newbold (T)	16	Balance of County	337	Balance of County	110
Pelican (T)	23				
Pine Lake (T)	25	PORTAGE	710	ST. CROIX	1,138
Rhineland (C)	104	Hull (T)	32	Baldwin (V)	51
Balance of County	122	Plover (V)	172	Hudson (C)	256
		Stevens Point (C)	300	Hudson (T)	85
OUTAGAMIE	2,294	Stockton (T)	22	New Richmond (C)	185
Appleton (C) (Pt.)	1,089	Balance of County	184	North Hudson (V)	19
Buchanan (T)	50			River Falls (C) (Pt.)	45
Center (T)	20	PRICE	137	Somerset (T)	86
Combined Locks (V)	32	Park Falls (C)	32	St. Joseph (T)	31
Ellington (T)	16	Balance of County	105	Star Prairie (T)	25
Freedom (T)	68			Troy (T)	16
Grand Chute (T)	80	RACINE	2,499	Balance of County	339
Greenville (T)	106	Burlington (C) (Pt.)	142		
Hortonville (V)	54	Burlington (T)	66	SAUK	764
Kaukauna (C)	245	Caledonia (T)	164	Baraboo (C)	176
Kimberly (V)	77	Dover (T)	28	Lake Delton (V)	30
Little Chute (V)	110	Mt. Pleasant (V)	91	Prairie du Sac (V)	51
New London (C) (Pt.)	43	Norway (T)	51	Reedsburg (C)	143
Oneida (T)	61	Racine (C)	1,640	Sauk City (V)	52
Seymour (C)	60	Raymond (T)	14	Balance of County	312
Balance of County	183	Sturtevant (V)	64		
		Union Grove (V)	66	SAWYER	184
OZAUKEE	883	Waterford (T)	79	Hayward (T)	41
Cedarburg (C)	133	Waterford (V)	61	Balance of County	143
Cedarburg (T)	60	Yorkville (T)	13		
Grafton (T)	29	Balance of County	111	SHAWANO	473
Grafton (V)	121			Pulaski (V) (Pt.)	6
Mequon (C)	197	RICHLAND	231	Shawano (C)	133
Port Washington (C)	111	Richland Center (C)	87	Wescott (T)	20
Saukville (V)	63	Balance of County	144	Balance of County	314
Thiensville (V)	30				
Balance of County	139	ROCK	2,002	SHEBOYGAN	1,382
		Beloit (C)	623	Greenbush (T)	7
PEPIN	91	Beloit (T)	61	Howards Grove (V)	32
		Brodhead (C) (Pt.)	4	Lima (T)	15
PIERCE	466	Edgerton (C)	70	Oostburg (V)	53
Ellsworth (V)	28	Evansville (C)	93	Plymouth (C)	102
Prescott (C)	75	Fulton (T)	13	Plymouth (T)	13
River Falls (C) (Pt.)	128	Janesville (C)	848	Sheboygan (C)	798
Balance of County	235	Janesville (T)	13	Sheboygan (T)	52
		Milton (C)	86	Sheboygan Falls (C)	81
POLK	508	Milton (T)	18	Wilson (T)	18
Alden (T)	22	Rock (T)	2	Balance of County	211
Amery (C)	53	Balance of County	171		

(Continued)

Table 2-3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2004

TAYLOR	240	Erin (T)	23	Vernon (T)	25
Medford (C)	46	Farmington (T)	25	Wales (V)	26
Balance of County	194	Germantown (V)	170	Waukesha (C)	1,201
		Hartford (C) (Pt.)	211	Waukesha (T)	62
TREMPEALEAU	359	Hartford (T)	43	Balance of County	192
		Jackson (T)	43		
VERNON	432	Jackson (V)	98	WAUPACA	556
Viroqua (C)	58	Kewaskum (V)	39	Clintonville (C)	87
Balance of County	374	Milwaukee (C) (Pt.)	1	Dayton (T)	23
		Polk (T)	17	Farmington (T)	27
VILAS	188	Richfield (T)	96	Mukwa (T)	13
Arbor Vitae (T)	25	Slinger (V)	48	New London (C) (Pt.)	99
Lac du Flambeau (T)	58	Trenton (T)	18	Waupaca (C)	74
Lincoln (T)	13	West Bend (C)	438	Balance of County	233
Balance of County	92	West Bend (T)	51		
		Balance of County	66	WAUSHARA	260
WALWORTH	1,147			Berlin (C) (Pt.)	7
Bloomfield (T)	29	WAUKESHA	4,362	Balance of County	253
Burlington (C) (Pt.)	14	Brookfield (C)	285		
Delavan (C)	175	Brookfield (T)	84	WINNEBAGO	1,839
Delavan (T)	51	Delafield (C)	56	Algoma (T)	31
East Troy (T)	49	Delafield (T)	64	Appleton (C) (Pt.)	34
East Troy (V)	55	Eagle (T)	26	Clayton (T)	21
Elkhorn (C)	156	Elm Grove (V)	66	Menasha (C) (Pt.)	249
Geneva (T)	24	Genesee (T)	38	Menasha (T)	106
Lake Geneva (C)	133	Hartland (V)	151	Neenah (C)	379
Lyons (T)	25	Lisbon (T)	74	Neenah (T)	22
Mukwonago (V) (Pt.)	2	Menomonee Falls (V)	352	Omro (C)	45
Sugar Creek (T)	25	Merton (T)	46	Oshkosh (C)	805
Whitewater (C) (Pt.)	92	Milwaukee (C) (Pt.)	2	Oshkosh (T)	11
Williams Bay (V)	20	Mukwonago (T)	74	Winneconne (V)	32
Balance of County	297	Mukwonago (V) (Pt.)	77	Balance of County	104
		Muskego (C)	266		
WASHBURN	168	New Berlin (C)	395	WOOD	846
Spooner (C)	49	Oconomowoc (C)	279	Grand Rapids (T)	32
Balance of County	119	Oconomowoc (T)	59	Marshfield (C) (Pt.)	220
		Ottawa (T)	13	Nekoosa (C)	45
WASHINGTON	1,429	Pewaukee (C)	101	Saratoga (T)	19
Addison (T)	32	Pewaukee (V)	162	Wisconsin Rapids (C)	290
Barton (T)	10	Summit (T)	24	Balance of County	240
		Sussex (V)	162		

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 2-4. Births by County, City and Hospital of Occurrence, Wisconsin 2004

County	City	Hospital	Births
Ashland	Ashland	Memorial Medical Center	286
Barron	Cumberland	Cumberland Memorial Hospital	78
	Rice Lake	Lakeview Medical Center	436
	Barron	Barron Memorial Medical Center	80
Brown	Green Bay	Aurora Baycare Medical Center	1,312
	Green Bay	Bellin Health System	1,257
	Green Bay	St Marys Hospital Medical Center	512
	Green Bay	St Vincent Hospital	1,208
Burnett	Grantsburg	Burnett Medical Center, Inc.	47
Chippewa	Chippewa Falls	St Josephs Hospital	469
Clark	Neillsville	Memorial Hospital, Inc.	45
Columbia	Columbus	Columbus Community Hospital, Inc.	122
	Portage	Divine Savior Healthcare	286
Crawford	Prairie du Chien	Prairie du Chien Memorial Hospital	149
Dane	Madison	Meriter Hospital, Inc	3,667
	Madison	St Marys Hospital Medical Center	3,503
	Stoughton	Stoughton Hospital	1
Dodge	Beaver Dam	Beaver Dam Community Hospital	401
	Watertown	Watertown Memorial Hospital	312
	Waupun	Waupun Memorial Hospital	121
Door	Sturgeon Bay	Door County Memorial Hospital	177
Dunn	Menomonie	Myrtle Werth Hospital	276
Eau Claire	Eau Claire	Luther Hospital	664
	Eau Claire	Sacred Heart Hospital	1,158
Fond du Lac	Fond du Lac	St. Agnes Hospital	918
	Ripon	Ripon Medical Center	1
Grant	Boscobel	Boscobel Area Health Care	61
	Lancaster	Grant Regional Health Center, Inc.	117
	Platteville	Southwest Health Center	174
Green	Monroe	The Monroe Clinic	395
Green Lake	Berlin	Berlin Memorial Hospital	228
Iowa	Dodgeville	Upland Hills Health, Inc.	261
Jackson	Black River Falls	Black River Memorial Hospital	160
Jefferson	Fort Atkinson	Fort Atkinson Memorial Hospital	486
Juneau	Mauston	Hess Memorial Hospital	224
Kenosha	Kenosha	Aurora Medical Center	1,202
	Kenosha	United Hospital Systems-Keno Med Ctr Camp	633
La Crosse	La Crosse	Gundersen Lutheran Medical Center	1,586
	La Crosse	Franciscan Skemp Healthcare	728
Lafayette	Darlington	Memorial Hospital of Lafayette County	57
Langlade	Antigo	Langlade Memorial Hospital	228
Lincoln	Merrill	Good Samaritan Health Center	114
Manitowoc	Manitowoc	Holy Family Memorial Medical Center	414
	Two Rivers	Aurora Medical Center	310
Marathon	Wausau	Wausau Hospital	1,475
Marinette	Marinette	Bay Area Medical Center	390
Milwaukee	Milwaukee	The Columbia Center	698
	Milwaukee	Aurora Sinai Medical Center, Inc.	2,625
	Milwaukee	St. Francis Hospital	1,452

(Continued)

Table 2-4. Births by County, City and Hospital of Occurrence, Wisconsin 2004

County	City	Hospital	Births
	Milwaukee	St. Josephs Regional Medical Center	4,195
	Milwaukee	St. Lukes Medical Center	1
	Milwaukee	St. Marys Hospital	2,958
	Milwaukee	St. Michaels Hospital	250
	Wauwatosa	Froedert Memorial Lutheran Hospital	1,389
	West Allis	West Allis Memorial Hospital	2,439
Monroe	Sparta	Franciscan Skemp Healthcare-Sparta	85
	Tomah	Tomah Memorial Hospital, Inc.	236
Oconto	Oconto Falls	Community Memorial Hospital	73
Oneida	Rhineland	Sacred Heart-St Marys Hospital, Inc.	421
	Woodruff	Howard Young Medical Center	313
Outagamie	Appleton	Appleton Medical Center	1,102
	Appleton	St Elizabeth Hospital	1,339
	New London	New London Family Medical Center	124
Ozaukee	Mequon	St Marys Hospital-Ozaukee	772
Polk	Amery	Amery Regional Medical Center	134
	Osceola	Osceola Medical Center	108
	Saint Croix	St Croix Regional Medical Center	269
Portage	Stevens Point	St. Michaels Hospital	634
Price	Park Falls	Flambeau Hospital, Inc.	64
Racine	Burlington	Memorial Hospital Of Burlington	393
	Racine	All Saints-St. Lukes Health Pavilion	1,832
Richland	Richland Center	The Richland Hospital	205
Rock	Beloit	Beloit Memorial Hospital, Inc.	721
	Janesville	Mercy Health System	1,224
Rusk	Ladysmith	Rusk County Memorial Hospital	85
Sauk	Baraboo	St Clare Hospital And Health Services	306
	Prairie du Sac	Sauk Prairie Memorial Hospital	277
	Reedsburg	Reedsburg Area Medical Center	227
Sawyer	Hayward	Hayward Area Memorial Hospital	157
Shawano	Shawano	Shawano Medical Center	359
Sheboygan	Sheboygan	Aurora Sheboygan Memorial Medical Center	1,143
	Sheboygan	St. Nicholas Hospital	324
St.Croix	Baldwin	Baldwin Area Medical Center	105
	Hudson	Hudson Hospital	329
	New Richmond	Holy Family Hospital	160
	River Falls	River Falls Area Hospital	236
Taylor	Medford	Memorial Health Center, Inc.	178
Trempealeau	Arcadia	Franciscan Skemp Healthcare-Arcadia	39
Vernon	Hillsboro	St Josephs Community Health Services	16
	Viroqua	Vernon Memorial Hospital	184
Vilas	Eagle River	Eagle River Memorial Hospital, Inc.	1
Walworth	Elkhorn	Aurora Lakeland Medical Center	686
Washburn	Shell Lake	Indianhead Medical Center, Inc.	27
	Spooner	Spooner Health System	90
Washington	Hartford	Aurora Medical Center	333
	West Bend	St. Josephs Community Hospital	620
Waukesha	Brookfield	Elmbrook Memorial Hospital	724

(Continued)

Table 2-4. Births by County, City and Hospital of Occurrence, Wisconsin 2004

County	City	Hospital	Births
	Menomonee Falls	Community Memorial Hospital	865
	Oconomowoc	Oconomowoc Memorial Hospital	788
	Waukesha	Waukesha Memorial Hospital	2,398
Waupaca	Waupaca	Riverside Medical Center	219
Winnebago	Neenah	Theda Clark Regional Medical Center	1,268
	Oshkosh	Aurora Medical Center Of Oshkosh	646
	Oshkosh	Mercy Medical Center	686
Wood	Marshfield	St. Josephs Hospital	1,183
	Wisconsin Rapids	Riverview Hospital Association	500

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.

In Vernon County, 81 deliveries took place at a clinic; these births are not included in either the hospital or the home birth totals shown. In Dane County, 43 deliveries took place at a birthing center, these births are not included in either the hospital or home birth totals shown. Almost all births (69,056 or 98 percent) occurred in hospitals.

Table 2-5. Home Births by County of Birth, Wisconsin 2004

County of Birth	Number of Births	County of Birth	Number of Births
Adams	-	Marathon	35
Ashland	4	Marinette	3
Barron	7	Marquette	15
Bayfield	3	Menominee	-
Brown	10	Milwaukee	39
Buffalo	1	Monroe	56
Burnett	-	Oconto	8
Calumet	6	Oneida	4
Chippewa	19	Outagamie	10
Clark	182	Ozaukee	6
Columbia	17	Pepin	35
Crawford	4	Pierce	5
Dane	31	Polk	4
Dodge	2	Portage	12
Door	2	Price	1
Douglas	2	Racine	9
Dunn	11	Richland	4
Eau Claire	31	Rock	17
Florence	-	Rusk	10
Fond du Lac	8	St. Croix	2
Forest	-	Sauk	14
Grant	38	Sawyer	2
Green	2	Shawano	8
Green Lake	30	Sheboygan	11
Iowa	2	Taylor	8
Iron	-	Trempealeau	6
Jackson	13	Vernon	76
Jefferson	6	Vilas	2
Juneau	1	Walworth	6
Kenosha	7	Washburn	6
Kewaunee	3	Washington	12
La Crosse	3	Waukesha	12
Lafayette	10	Waupaca	11
Langlade	3	Waushara	16
Lincoln	2	Winnebago	7
Manitowoc	5	Wood	5
		Total	948

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 2004 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, 81 deliveries took place at a clinic; these births are not included in either the hospital or the home birth totals shown. In Dane County, 43 deliveries took place at a birthing center, these births are not included in either the hospital or home birth totals shown. Almost all births (69,056 or 98 percent) occurred in hospitals. A dash (-) indicates there were no home births in that county.

Table 2-6. Number of Births by Age of Mother and County of Residence, Wisconsin 2004

County	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	70,131	91	1,765	4,231	16,304	20,513	17,541	7,946	1,649	77
Adams	162	-	11	13	53	37	23	20	5	-
Ashland	184	-	3	7	52	57	44	15	6	-
Barron	527	-	6	35	153	172	116	38	6	1
Bayfield	140	1	4	8	32	44	35	13	2	1
Brown	3,211	2	95	165	720	986	812	346	79	5
Buffalo	155	-	1	6	36	49	44	15	4	-
Burnett	144	-	4	12	50	50	16	9	3	-
Calumet	701	-	7	24	113	261	200	77	19	-
Chippewa	719	-	12	46	208	231	152	60	9	1
Clark	564	1	9	27	143	184	123	53	22	2
Columbia	637	-	9	35	146	195	160	81	11	-
Crawford	177	-	6	7	60	57	27	16	3	-
Dane	5,995	3	102	238	994	1,714	1,895	855	184	8
Dodge	980	-	23	49	245	304	242	97	19	1
Door	232	-	5	12	47	63	67	29	7	2
Douglas	486	-	12	33	150	146	98	36	10	1
Dunn	453	-	7	27	117	145	106	44	7	-
Eau Claire	1,105	-	13	64	293	320	262	118	32	3
Florence	33	-	-	-	9	11	8	4	1	-
Fond du Lac	1,117	-	22	64	284	348	273	102	23	1
Forest	108	-	2	12	36	31	18	8	1	-
Grant	590	1	10	38	159	202	113	52	14	1
Green	404	-	9	19	101	127	98	38	11	1
Green Lake	229	-	3	14	56	83	48	17	7	1
Iowa	312	-	-	14	59	121	73	40	4	-
Iron	42	-	1	3	7	16	12	3	-	-
Jackson	244	-	8	21	68	74	49	18	6	-
Jefferson	1,020	1	12	46	256	317	262	104	20	2
Juneau	293	-	6	24	97	81	62	18	4	1
Kenosha	2,125	3	69	127	537	619	490	241	37	1
Kewaunee	235	-	-	13	34	87	65	27	7	2
La Crosse	1,259	1	22	72	288	403	333	113	24	3
Lafayette	223	-	3	16	57	61	48	27	10	-
Langlade	216	-	1	23	64	64	38	24	2	-
Lincoln	315	-	8	22	83	90	77	28	7	-
Manitowoc	889	1	21	54	198	274	208	102	28	3
Marathon	1,531	1	20	86	349	468	407	169	31	-
Marinette	423	2	10	41	101	121	100	34	14	-
Marquette	156	-	8	14	32	46	37	15	4	-
Menominee	102	-	7	16	35	22	15	5	2	-
Milwaukee	14,635	57	700	1,285	4,005	3,859	3,024	1,390	299	12
Monroe	587	1	20	55	176	159	108	52	15	-

(Continued)

Table 2-6. Number of Births by Age of Mother and County of Residence, Wisconsin 2004

County	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Oconto	400	-	15	15	90	125	111	37	7	-
Oneida	333	-	7	12	66	117	84	39	8	-
Outagamie	2,294	-	26	84	441	771	660	268	41	3
Ozaukee	883	-	5	25	112	215	311	179	36	-
Pepin	91	-	-	4	23	36	20	4	4	-
Pierce	466	-	5	16	86	169	120	58	12	-
Polk	508	-	5	30	120	155	124	62	12	-
Portage	710	-	12	40	166	245	158	77	12	-
Price	137	-	1	7	44	34	36	13	2	-
Racine	2,499	4	91	186	609	698	592	261	54	4
Richland	231	-	2	11	76	62	46	30	4	-
Rock	2,002	2	53	171	539	574	444	181	37	-
Rusk	150	1	3	16	43	44	27	11	5	-
St. Croix	1,138	1	12	30	201	384	348	135	27	-
Sauk	764	-	11	53	206	222	174	81	16	1
Sawyer	184	-	7	22	61	36	38	15	4	1
Shawano	473	-	12	30	116	141	107	57	10	-
Sheboygan	1,382	2	33	87	347	384	353	145	28	3
Taylor	240	1	3	13	70	68	56	24	4	1
Trempealeau	359	-	12	23	94	118	74	32	6	-
Vernon	432	-	5	15	115	112	111	53	18	3
Vilas	188	-	-	11	51	48	51	18	9	-
Walworth	1,147	2	40	76	244	344	272	141	28	-
Washburn	168	-	3	12	45	49	40	16	3	-
Washington	1,429	-	10	35	233	433	457	206	54	1
Waukesha	4,362	-	34	108	544	1,174	1,496	862	138	5
Waupaca	556	-	12	38	129	180	127	58	12	-
Waushara	260	1	7	19	65	81	54	27	6	-
Winnebago	1,839	1	28	108	446	528	476	222	29	1
Wood	846	1	20	47	219	267	186	81	24	1

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

Notes: Included in the total column are 14 births for which age of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 2-7. Percent of Births by Age of Mother and County of Residence, Wisconsin 2004

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	70,131	0.1%	2.5%	6.0%	23.2%	29.2%	25.0%	11.3%	2.4%	0.1%
Adams	162	-	6.8	8.0	32.7	22.8	14.2	12.3	3.1	-
Ashland	184	-	1.6	3.8	28.3	31.0	23.9	8.2	3.3	-
Barron	527	-	1.1	6.6	29.0	32.6	22.0	7.2	1.1	0.2
Bayfield	140	0.7	2.9	5.7	22.9	31.4	25.0	9.3	1.4	0.7
Brown	3,211	0.1	3.0	5.1	22.4	30.7	25.3	10.8	2.5	0.2
Buffalo	155	-	0.6	3.9	23.2	31.6	28.4	9.7	2.6	-
Burnett	144	-	2.8	8.3	34.7	34.7	11.1	6.3	2.1	-
Calumet	701	-	1.0	3.4	16.1	37.2	28.5	11.0	2.7	-
Chippewa	719	-	1.7	6.4	28.9	32.1	21.1	8.3	1.3	0.1
Clark	564	0.2	1.6	4.8	25.4	32.6	21.8	9.4	3.9	0.4
Columbia	637	-	1.4	5.5	22.9	30.6	25.1	12.7	1.7	-
Crawford	177	-	3.4	4.0	33.9	32.2	15.3	9.0	1.7	-
Dane	5,995	0.1	1.7	4.0	16.6	28.6	31.6	14.3	3.1	0.1
Dodge	980	-	2.3	5.0	25.0	31.0	24.7	9.9	1.9	0.1
Door	232	-	2.2	5.2	20.3	27.2	28.9	12.5	3.0	0.9
Douglas	486	-	2.5	6.8	30.9	30.0	20.2	7.4	2.1	0.2
Dunn	453	-	1.5	6.0	25.8	32.0	23.4	9.7	1.5	-
Eau Claire	1,105	-	1.2	5.8	26.5	29.0	23.7	10.7	2.9	0.3
Florence	33	-	-	-	27.3	33.3	24.2	12.1	3.0	-
Fond du Lac	1,117	-	2.0	5.7	25.4	31.2	24.4	9.1	2.1	0.1
Forest	108	-	1.9	11.1	33.3	28.7	16.7	7.4	0.9	-
Grant	590	0.2	1.7	6.4	26.9	34.2	19.2	8.8	2.4	0.2
Green	404	-	2.2	4.7	25.0	31.4	24.3	9.4	2.7	0.2
Green Lake	229	-	1.3	6.1	24.5	36.2	21.0	7.4	3.1	0.4
Iowa	312	-	-	4.5	18.9	38.8	23.4	12.8	1.3	-
Iron	42	-	2.4	7.1	16.7	38.1	28.6	7.1	-	-
Jackson	244	-	3.3	8.6	27.9	30.3	20.1	7.4	2.5	-
Jefferson	1,020	0.1	1.2	4.5	25.1	31.1	25.7	10.2	2.0	0.2
Juneau	293	-	2.0	8.2	33.1	27.6	21.2	6.1	1.4	0.3
Kenosha	2,125	0.1	3.2	6.0	25.3	29.1	23.1	11.3	1.7	0.0
Kewaunee	235	-	-	5.5	14.5	37.0	27.7	11.5	3.0	0.9
La Crosse	1,259	0.1	1.7	5.7	22.9	32.0	26.4	9.0	1.9	0.2
Lafayette	223	-	1.3	7.2	25.6	27.4	21.5	12.1	4.5	-
Langlade	216	-	0.5	10.6	29.6	29.6	17.6	11.1	0.9	-
Lincoln	315	-	2.5	7.0	26.3	28.6	24.4	8.9	2.2	-
Manitowoc	889	0.1	2.4	6.1	22.3	30.8	23.4	11.5	3.1	0.3
Marathon	1,531	0.1	1.3	5.6	22.8	30.6	26.6	11.0	2.0	-
Marinette	423	0.5	2.4	9.7	23.9	28.6	23.6	8.0	3.3	-
Marquette	156	-	5.1	9.0	20.5	29.5	23.7	9.6	2.6	-
Menominee	102	-	6.9	15.7	34.3	21.6	14.7	4.9	2.0	-
Milwaukee	14,635	0.4	4.8	8.8	27.4	26.4	20.7	9.5	2.0	0.1
Monroe	587	0.2	3.4	9.4	30.0	27.1	18.4	8.9	2.6	-

(Continued)

Table 2-7. Percent of Births by Age of Mother and County of Residence, Wisconsin 2004

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Oconto	400	-	3.8	3.8	22.5	31.3	27.8	9.3	1.8	-
Oneida	333	-	2.1	3.6	19.8	35.1	25.2	11.7	2.4	-
Outagamie	2,294	-	1.1	3.7	19.2	33.6	28.8	11.7	1.8	0.1
Ozaukee	883	-	0.6	2.8	12.7	24.3	35.2	20.3	4.1	-
Pepin	91	-	-	4.4	25.3	39.6	22.0	4.4	4.4	-
Pierce	466	-	1.1	3.4	18.5	36.3	25.8	12.4	2.6	-
Polk	508	-	1.0	5.9	23.6	30.5	24.4	12.2	2.4	-
Portage	710	-	1.7	5.6	23.4	34.5	22.3	10.8	1.7	-
Price	137	-	0.7	5.1	32.1	24.8	26.3	9.5	1.5	-
Racine	2,499	0.2	3.6	7.4	24.4	27.9	23.7	10.4	2.2	0.2
Richland	231	-	0.9	4.8	32.9	26.8	19.9	13.0	1.7	-
Rock	2,002	0.1	2.6	8.5	26.9	28.7	22.2	9.0	1.8	-
Rusk	150	0.7	2.0	10.7	28.7	29.3	18.0	7.3	3.3	-
St. Croix	1,138	0.1	1.1	2.6	17.7	33.7	30.6	11.9	2.4	-
Sauk	764	-	1.4	6.9	27.0	29.1	22.8	10.6	2.1	0.1
Sawyer	184	-	3.8	12.0	33.2	19.6	20.7	8.2	2.2	0.5
Shawano	473	-	2.5	6.3	24.5	29.8	22.6	12.1	2.1	-
Sheboygan	1,382	0.1	2.4	6.3	25.1	27.8	25.5	10.5	2.0	0.2
Taylor	240	0.4	1.3	5.4	29.2	28.3	23.3	10.0	1.7	0.4
Trempealeau	359	-	3.3	6.4	26.2	32.9	20.6	8.9	1.7	-
Vernon	432	-	1.2	3.5	26.6	25.9	25.7	12.3	4.2	0.7
Vilas	188	-	-	5.9	27.1	25.5	27.1	9.6	4.8	-
Walworth	1,147	0.2	3.5	6.6	21.3	30.0	23.7	12.3	2.4	-
Washburn	168	-	1.8	7.1	26.8	29.2	23.8	9.5	1.8	-
Washington	1,429	-	0.7	2.4	16.3	30.3	32.0	14.4	3.8	0.1
Waukesha	4,362	-	0.8	2.5	12.5	26.9	34.3	19.8	3.2	0.1
Waupaca	556	-	2.2	6.8	23.2	32.4	22.8	10.4	2.2	-
Waushara	260	0.4	2.7	7.3	25.0	31.2	20.8	10.4	2.3	-
Winnebago	1,839	0.1	1.5	5.9	24.3	28.7	25.9	12.1	1.6	0.1
Wood	846	0.1	2.4	5.6	25.9	31.6	22.0	9.6	2.8	0.1

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

Notes: Included in the total column are 14 births for which age of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 2-8. Number of Births by Age of Mother and Region, Wisconsin 2004

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	70,131	91	1,765	4,231	16,304	20,513	17,541	7,946	1,649	77
DHFS Regions										
Southern	13,202	6	250	703	2,907	3,869	3,516	1,589	340	16
Southeastern	28,100	67	961	1,888	6,540	7,659	6,904	3,384	666	25
Northeastern	14,499	9	311	798	3,254	4,501	3,713	1,568	323	21
Western	9,123	5	154	529	2,294	2,888	2,160	874	207	11
Northern	5,207	4	89	313	1,309	1,596	1,248	531	113	4
Perinatal Regions										
South Central	14,760	9	291	803	3,232	4,361	3,912	1,765	367	15
Southeast	27,315	66	942	1,853	6,387	7,382	6,723	3,284	646	26
Fox Valley	7,152	2	113	365	1,566	2,298	1,875	786	141	6
Northeast	5,965	5	165	346	1,341	1,819	1,485	637	154	12
Western	8,220	3	134	451	2,038	2,584	1,994	818	185	11
North Central	5,371	5	86	316	1,343	1,671	1,269	549	128	4
Northwest	1,348	1	34	97	397	398	283	107	28	3

Table 2-9. Percent of Births by Age of Mother and Region, Wisconsin 2004

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	70,131	0.1%	2.5%	6.0%	23.2%	29.2%	25.0%	11.3%	2.4%	0.1%
DHFS Regions										
Southern	13,202	0.0	1.9	5.3	22.0	29.3	26.6	12.0	2.6	0.1
Southeastern	28,100	0.2	3.4	6.7	23.3	27.3	24.6	12.0	2.4	0.1
Northeastern	14,499	0.1	2.1	5.5	22.4	31.0	25.6	10.8	2.2	0.1
Western	9,123	0.1	1.7	5.8	25.1	31.7	23.7	9.6	2.3	0.1
Northern	5,207	0.1	1.7	6.0	25.1	30.7	24.0	10.2	2.2	0.1
Perinatal Regions										
South Central	14,760	0.1	2.0	5.4	21.9	29.5	26.5	12.0	2.5	0.1
Southeast	27,315	0.2	3.4	6.8	23.4	27.0	24.6	12.0	2.4	0.1
Fox Valley	7,152	0.0	1.6	5.1	21.9	32.1	26.2	11.0	2.0	0.1
Northeast	5,965	0.1	2.8	5.8	22.5	30.5	24.9	10.7	2.6	0.2
Western	8,220	0.0	1.6	5.5	24.8	31.4	24.3	10.0	2.3	0.1
North Central	5,371	0.1	1.6	5.9	25.0	31.1	23.6	10.2	2.4	0.1
Northwest	1,348	0.1	2.5	7.2	29.5	29.5	21.0	7.9	2.1	0.2

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

Notes: Included in the totals are 14 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 100 and 101).

Table 2-10. Number of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2004

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/Latino	Laotian/Hmong	Other
Total	70,131	54,217	6,497	1,034	5,915	1,045	1,394
Adams	162	156	-	1	5	-	-
Ashland	184	148	-	28	6	-	2
Barron	527	497	9	7	8	-	6
Bayfield	140	114	1	19	3	-	3
Brown	3,211	2,504	61	141	357	95	53
Buffalo	155	152	-	-	2	-	1
Burnett	144	119	2	20	2	-	1
Calumet	701	637	3	5	31	10	15
Chippewa	719	693	1	4	9	11	1
Clark	564	539	2	1	21	-	1
Columbia	637	599	2	8	23	-	5
Crawford	177	174	1	-	1	-	-
Dane	5,995	4,590	435	38	548	82	289
Dodge	980	897	6	7	65	-	5
Door	232	213	-	5	13	-	1
Douglas	486	461	3	14	5	-	3
Dunn	453	423	1	4	6	11	8
Eau Claire	1,105	1,006	9	6	21	48	15
Florence	33	33	-	-	-	-	-
Fond du Lac	1,117	1,006	13	1	73	10	14
Forest	108	83	-	23	2	-	-
Grant	590	579	4	1	2	-	4
Green	404	392	-	-	8	-	3
Green Lake	229	208	-	1	18	2	-
Iowa	312	304	1	-	4	-	3
Iron	42	41	-	1	-	-	-
Jackson	244	211	1	28	3	-	1
Jefferson	1,020	881	6	7	115	3	8
Juneau	293	278	-	5	6	3	1
Kenosha	2,125	1,544	199	19	328	2	32
Kewaunee	235	223	-	-	11	-	1
La Crosse	1,259	1,132	16	13	15	65	18
Lafayette	223	209	-	-	12	-	1
Langlade	216	207	1	5	2	-	1
Lincoln	315	308	-	1	4	-	2
Manitowoc	889	803	8	4	33	36	5
Marathon	1,531	1,328	7	9	36	135	16
Marinette	423	412	1	4	3	1	2
Marquette	156	148	-	2	6	-	-
Menominee	102	5	-	92	5	-	-
Milwaukee	14,635	6,345	5,032	154	2,449	265	385
Monroe	587	546	6	11	18	1	4

(Continued)

Table 2-10. Number of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2004

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/Latino	Laotian/Hmong	Other
Oconto	400	383	1	7	8	-	1
Oneida	333	311	1	7	7	1	6
Outagamie	2,294	2,022	16	36	121	59	40
Ozaukee	883	829	9	2	22	-	21
Pepin	91	87	1	-	2	1	-
Pierce	466	450	6	1	7	-	2
Polk	508	485	2	8	13	-	-
Portage	710	629	5	6	28	25	17
Price	137	134	-	-	-	-	3
Racine	2,499	1,705	378	22	356	-	37
Richland	231	228	-	-	1	-	2
Rock	2,002	1,652	120	10	194	-	26
Rusk	150	142	1	1	3	-	3
St. Croix	1,138	1,079	3	4	31	1	19
Sauk	764	697	2	17	40	-	6
Sawyer	184	123	1	57	3	-	-
Shawano	473	394	-	53	20	1	5
Sheboygan	1,382	1,122	15	6	114	100	25
Taylor	240	233	-	1	3	-	2
Trempealeau	359	344	-	2	12	-	1
Vernon	432	423	-	1	7	-	1
Vilas	188	137	-	47	3	-	1
Walworth	1,147	930	10	2	195	1	9
Washburn	168	159	-	7	2	-	-
Washington	1,429	1,338	10	6	49	1	25
Waukesha	4,362	3,839	64	6	250	8	194
Waupaca	556	534	1	4	14	1	2
Waushara	260	230	-	3	25	-	2
Winnebago	1,839	1,650	13	17	84	52	23
Wood	846	780	7	12	22	14	11

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

Notes: See Technical Notes (page 102) for definition of race/ethnicity categories. Included in the totals are 29 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 2-11. Percent of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2004

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	70,131	77.3%	9.3%	1.5%	8.4%	1.5%	2.0%
Adams	162	96.3	-	0.6	3.1	-	-
Ashland	184	80.4	-	15.2	3.3	-	1.1
Barron	527	94.3	1.7	1.3	1.5	-	1.1
Bayfield	140	81.4	0.7	13.6	2.1	-	2.1
Brown	3,211	78.0	1.9	4.4	11.1	3.0	1.7
Buffalo	155	98.1	-	-	1.3	-	0.6
Burnett	144	82.6	1.4	13.9	1.4	-	0.7
Calumet	701	90.9	0.4	0.7	4.4	1.4	2.1
Chippewa	719	96.4	0.1	0.6	1.3	1.5	0.1
Clark	564	95.6	0.4	0.2	3.7	-	0.2
Columbia	637	94.0	0.3	1.3	3.6	-	0.8
Crawford	177	98.3	0.6	-	0.6	-	-
Dane	5,995	76.6	7.3	0.6	9.1	1.4	4.8
Dodge	980	91.5	0.6	0.7	6.6	-	0.5
Door	232	91.8	-	2.2	5.6	-	0.4
Douglas	486	94.9	0.6	2.9	1.0	-	0.6
Dunn	453	93.4	0.2	0.9	1.3	2.4	1.8
Eau Claire	1,105	91.0	0.8	0.5	1.9	4.3	1.4
Florence	33	100.0	-	-	-	-	-
Fond du Lac	1,117	90.1	1.2	0.1	6.5	0.9	1.3
Forest	108	76.9	-	21.3	1.9	-	-
Grant	590	98.1	0.7	0.2	0.3	-	0.7
Green	404	97.0	-	-	2.0	-	0.7
Green Lake	229	90.8	-	0.4	7.9	0.9	-
Iowa	312	97.4	0.3	-	1.3	-	1.0
Iron	42	97.6	-	2.4	-	-	-
Jackson	244	86.5	0.4	11.5	1.2	-	0.4
Jefferson	1,020	86.4	0.6	0.7	11.3	0.3	0.8
Juneau	293	94.9	-	1.7	2.0	1.0	0.3
Kenosha	2,125	72.7	9.4	0.9	15.4	0.1	1.5
Kewaunee	235	94.9	-	-	4.7	-	0.4
La Crosse	1,259	89.9	1.3	1.0	1.2	5.2	1.4
Lafayette	223	93.7	-	-	5.4	-	0.4
Langlade	216	95.8	0.5	2.3	0.9	-	0.5
Lincoln	315	97.8	-	0.3	1.3	-	0.6
Manitowoc	889	90.3	0.9	0.4	3.7	4.0	0.6
Marathon	1,531	86.7	0.5	0.6	2.4	8.8	1.0
Marinette	423	97.4	0.2	0.9	0.7	0.2	0.5
Marquette	156	94.9	-	1.3	3.8	-	-
Menominee	102	4.9	-	90.2	4.9	-	-
Milwaukee	14,635	43.4	34.4	1.1	16.7	1.8	2.6
Monroe	587	93.0	1.0	1.9	3.1	0.2	0.7

(Continued)

Table 2-11. Percent of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2004

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Oconto	400	95.8	0.3	1.8	2.0	-	0.3
Oneida	333	93.4	0.3	2.1	2.1	0.3	1.8
Outagamie	2,294	88.1	0.7	1.6	5.3	2.6	1.7
Ozaukee	883	93.9	1.0	0.2	2.5	-	2.4
Pepin	91	95.6	1.1	-	2.2	1.1	-
Pierce	466	96.6	1.3	0.2	1.5	-	0.4
Polk	508	95.5	0.4	1.6	2.6	-	-
Portage	710	88.6	0.7	0.8	3.9	3.5	2.4
Price	137	97.8	-	-	-	-	2.2
Racine	2,499	68.2	15.1	0.9	14.2	-	1.5
Richland	231	98.7	-	-	0.4	-	0.9
Rock	2,002	82.5	6.0	0.5	9.7	-	1.3
Rusk	150	94.7	0.7	0.7	2.0	-	2.0
St. Croix	1,138	94.8	0.3	0.4	2.7	0.1	1.7
Sauk	764	91.2	0.3	2.2	5.2	-	0.8
Sawyer	184	66.8	0.5	31.0	1.6	-	-
Shawano	473	83.3	-	11.2	4.2	0.2	1.1
Sheboygan	1,382	81.2	1.1	0.4	8.2	7.2	1.8
Taylor	240	97.1	-	0.4	1.3	-	0.8
Trempealeau	359	95.8	-	0.6	3.3	-	0.3
Vernon	432	97.9	-	0.2	1.6	-	0.2
Vilas	188	72.9	-	25.0	1.6	-	0.5
Walworth	1,147	81.1	0.9	0.2	17.0	0.1	0.8
Washburn	168	94.6	-	4.2	1.2	-	-
Washington	1,429	93.6	0.7	0.4	3.4	0.1	1.7
Waukesha	4,362	88.0	1.5	0.1	5.7	0.2	4.4
Waupaca	556	96.0	0.2	0.7	2.5	0.2	0.4
Waushara	260	88.5	-	1.2	9.6	-	0.8
Winnebago	1,839	89.7	0.7	0.9	4.6	2.8	1.3
Wood	846	92.2	0.8	1.4	2.6	1.7	1.3

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

Notes: See Technical Notes (page 102) for definition of race/ethnicity categories. Included in the totals are 29 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 2-12. Number of Births by Race/Ethnicity of Mother and Region, Wisconsin 2004

	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	70,131	54,217	6,497	1,034	5,915	1,045	1,394
DHFS Regions							
Southern	13,202	11,178	571	88	916	85	346
Southeastern	28,100	17,411	5,708	218	3,764	280	711
Northeastern	14,499	12,494	132	381	936	367	189
Western	9,123	8,525	63	131	180	138	84
Northern	5,207	4,609	23	216	119	175	64
Perinatal Regions							
South Central	14,760	12,392	586	96	1,218	89	362
Southeast	27,315	16,722	5,707	215	3,568	376	719
Fox Valley	7,152	6,435	46	69	372	134	96
Northeast	5,965	4,937	71	306	450	133	68
Western	8,220	7,702	56	89	155	138	77
North Central	5,371	4,864	24	113	131	175	63
Northwest	1,348	1,165	7	146	21	-	9

Table 2-13. Percent of Births by Race/Ethnicity of Mother and Region, Wisconsin 2004

	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	70,131	77.3%	9.3%	1.5%	8.4%	1.5%	2.0%
DHFS Regions							
Southern	13,202	84.7	4.3	0.7	6.9	0.6	2.6
Southeastern	28,100	62.0	20.3	0.8	13.4	1.0	2.5
Northeastern	14,499	86.2	0.9	2.6	6.5	2.5	1.3
Western	9,123	93.4	0.7	1.4	2.0	1.5	0.9
Northern	5,207	88.5	0.4	4.1	2.3	3.4	1.2
Perinatal Regions							
South Central	14,760	84.0	4.0	0.7	8.3	0.6	2.5
Southeast	27,315	61.2	20.9	0.8	13.1	1.4	2.6
Fox Valley	7,152	90.0	0.6	1.0	5.2	1.9	1.3
Northeast	5,965	82.8	1.2	5.1	7.5	2.2	1.1
Western	8,220	93.7	0.7	1.1	1.9	1.7	0.9
North Central	5,371	90.6	0.4	2.1	2.4	3.3	1.2
Northwest	1,348	86.4	0.5	10.8	1.6	-	0.7

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

Notes: See Technical Notes (page 102) for definition of race/ethnicity categories. Included in the totals are 29 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 100 and 101).

Table 2-14. Number of Births by Education of Mother and County of Residence, Wisconsin 2004

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	70,131	2,595	8,270	20,292	16,864	12,301	9,531
Adams	162	3	35	64	34	17	8
Ashland	184	-	21	62	63	22	16
Barron	527	36	44	195	147	58	47
Bayfield	140	2	10	48	47	20	13
Brown	3,211	143	429	864	744	625	394
Buffalo	155	4	6	49	55	25	16
Burnett	144	1	25	53	39	17	9
Calumet	701	17	46	172	182	173	109
Chippewa	719	29	49	256	207	117	60
Clark	564	192	43	135	125	46	22
Columbia	637	22	50	205	173	108	78
Crawford	177	4	17	76	63	7	9
Dane	5,995	194	446	1,210	1,133	1,528	1,449
Dodge	980	17	105	380	272	116	86
Door	232	2	22	77	59	45	27
Douglas	486	-	44	138	166	76	61
Dunn	453	9	31	133	137	78	64
Eau Claire	1,105	45	80	294	306	207	173
Florence	33	1	-	15	10	2	5
Fond du Lac	1,117	24	112	408	294	156	120
Forest	108	-	13	49	29	4	13
Grant	590	41	36	169	205	94	45
Green	404	5	31	141	116	56	54
Green Lake	229	38	23	68	50	23	27
Iowa	312	3	15	89	100	57	48
Iron	42	-	4	13	15	4	6
Jackson	244	17	28	90	67	24	18
Jefferson	1,020	33	110	305	263	182	124
Juneau	293	5	47	129	57	25	29
Kenosha	2,125	64	281	640	552	325	232
Kewaunee	235	7	13	79	72	40	24
La Crosse	1,259	13	85	321	390	238	204
Lafayette	223	14	16	61	75	39	17
Langlade	216	2	31	86	62	16	17
Lincoln	315	2	32	126	93	29	32
Manitowoc	889	17	96	317	233	152	74
Marathon	1,531	66	104	519	420	236	181
Marinette	423	2	50	160	122	46	43
Marquette	156	9	24	61	36	15	10
Menominee	102	3	22	47	26	2	2
Milwaukee	14,635	738	3,220	4,290	2,738	1,981	1,617
Monroe	587	87	82	170	150	53	43

(Continued)

Table 2-14. Number of Births by Education of Mother and County of Residence, Wisconsin 2004

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Oconto	400	10	43	121	124	62	39
Oneida	333	1	28	97	103	60	43
Outagamie	2,294	57	157	695	590	460	332
Ozaukee	883	1	22	149	188	297	226
Pepin	91	8	5	20	28	19	11
Pierce	466	-	7	119	141	101	97
Polk	508	-	44	171	157	71	62
Portage	710	8	44	218	190	117	128
Price	137	-	7	59	44	16	11
Racine	2,499	97	411	694	626	395	273
Richland	231	15	19	79	71	25	21
Rock	2,002	69	321	660	473	234	213
Rusk	150	9	22	67	31	15	6
St. Croix	1,138	3	39	257	354	292	180
Sauk	764	33	80	254	207	103	86
Sawyer	184	1	24	71	49	22	15
Shawano	473	15	48	187	129	54	39
Sheboygan	1,382	33	138	496	323	230	160
Taylor	240	21	19	101	71	21	7
Trempealeau	359	16	26	106	111	60	39
Vernon	432	99	20	102	108	51	50
Vilas	188	1	19	80	37	24	27
Walworth	1,147	55	166	318	270	179	154
Washburn	168	1	17	61	53	22	13
Washington	1,429	10	59	352	410	355	243
Waukesha	4,362	37	178	768	986	1,405	979
Waupaca	556	6	57	220	135	79	58
Waushara	260	29	32	104	46	31	17
Winnebago	1,839	35	172	606	432	310	270
Wood	846	14	68	296	250	107	106

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

Table 2-15. Percent of Births by Education of Mother and County of Residence, Wisconsin 2004

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	70,131	3.7%	11.8%	28.9%	24.0%	17.5%	13.6%
Adams	162	1.9	21.6	39.5	21.0	10.5	4.9
Ashland	184	-	11.4	33.7	34.2	12.0	8.7
Barron	527	6.8	8.3	37.0	27.9	11.0	8.9
Bayfield	140	1.4	7.1	34.3	33.6	14.3	9.3
Brown	3,211	4.5	13.4	26.9	23.2	19.5	12.3
Buffalo	155	2.6	3.9	31.6	35.5	16.1	10.3
Burnett	144	0.7	17.4	36.8	27.1	11.8	6.3
Calumet	701	2.4	6.6	24.5	26.0	24.7	15.5
Chippewa	719	4.0	6.8	35.6	28.8	16.3	8.3
Clark	564	34.0	7.6	23.9	22.2	8.2	3.9
Columbia	637	3.5	7.8	32.2	27.2	17.0	12.2
Crawford	177	2.3	9.6	42.9	35.6	4.0	5.1
Dane	5,995	3.2	7.4	20.2	18.9	25.5	24.2
Dodge	980	1.7	10.7	38.8	27.8	11.8	8.8
Door	232	0.9	9.5	33.2	25.4	19.4	11.6
Douglas	486	-	9.1	28.4	34.2	15.6	12.6
Dunn	453	2.0	6.8	29.4	30.2	17.2	14.1
Eau Claire	1,105	4.1	7.2	26.6	27.7	18.7	15.7
Florence	33	3.0	-	45.5	30.3	6.1	15.2
Fond du Lac	1,117	2.1	10.0	36.5	26.3	14.0	10.7
Forest	108	-	12.0	45.4	26.9	3.7	12.0
Grant	590	6.9	6.1	28.6	34.7	15.9	7.6
Green	404	1.2	7.7	34.9	28.7	13.9	13.4
Green Lake	229	16.6	10.0	29.7	21.8	10.0	11.8
Iowa	312	1.0	4.8	28.5	32.1	18.3	15.4
Iron	42	-	9.5	31.0	35.7	9.5	14.3
Jackson	244	7.0	11.5	36.9	27.5	9.8	7.4
Jefferson	1,020	3.2	10.8	29.9	25.8	17.8	12.2
Juneau	293	1.7	16.0	44.0	19.5	8.5	9.9
Kenosha	2,125	3.0	13.2	30.1	26.0	15.3	10.9
Kewaunee	235	3.0	5.5	33.6	30.6	17.0	10.2
La Crosse	1,259	1.0	6.8	25.5	31.0	18.9	16.2
Lafayette	223	6.3	7.2	27.4	33.6	17.5	7.6
Langlade	216	0.9	14.4	39.8	28.7	7.4	7.9
Lincoln	315	0.6	10.2	40.0	29.5	9.2	10.2
Manitowoc	889	1.9	10.8	35.7	26.2	17.1	8.3
Marathon	1,531	4.3	6.8	33.9	27.4	15.4	11.8
Marinette	423	0.5	11.8	37.8	28.8	10.9	10.2
Marquette	156	5.8	15.4	39.1	23.1	9.6	6.4
Menominee	102	2.9	21.6	46.1	25.5	2.0	2.0
Milwaukee	14,635	5.0	22.0	29.3	18.7	13.5	11.0
Monroe	587	14.8	14.0	29.0	25.6	9.0	7.3

(Continued)

Table 2-15. Percent of Births by Education of Mother and County of Residence, Wisconsin 2004

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Oconto	400	2.5	10.8	30.3	31.0	15.5	9.8
Oneida	333	0.3	8.4	29.1	30.9	18.0	12.9
Outagamie	2,294	2.5	6.8	30.3	25.7	20.1	14.5
Ozaukee	883	0.1	2.5	16.9	21.3	33.6	25.6
Pepin	91	8.8	5.5	22.0	30.8	20.9	12.1
Pierce	466	-	1.5	25.5	30.3	21.7	20.8
Polk	508	-	8.7	33.7	30.9	14.0	12.2
Portage	710	1.1	6.2	30.7	26.8	16.5	18.0
Price	137	-	5.1	43.1	32.1	11.7	8.0
Racine	2,499	3.9	16.4	27.8	25.1	15.8	10.9
Richland	231	6.5	8.2	34.2	30.7	10.8	9.1
Rock	2,002	3.4	16.0	33.0	23.6	11.7	10.6
Rusk	150	6.0	14.7	44.7	20.7	10.0	4.0
St. Croix	1,138	0.3	3.4	22.6	31.1	25.7	15.8
Sauk	764	4.3	10.5	33.2	27.1	13.5	11.3
Sawyer	184	0.5	13.0	38.6	26.6	12.0	8.2
Shawano	473	3.2	10.1	39.5	27.3	11.4	8.2
Sheboygan	1,382	2.4	10.0	35.9	23.4	16.6	11.6
Taylor	240	8.8	7.9	42.1	29.6	8.8	2.9
Trempealeau	359	4.5	7.2	29.5	30.9	16.7	10.9
Vernon	432	22.9	4.6	23.6	25.0	11.8	11.6
Vilas	188	0.5	10.1	42.6	19.7	12.8	14.4
Walworth	1,147	4.8	14.5	27.7	23.5	15.6	13.4
Washburn	168	0.6	10.1	36.3	31.5	13.1	7.7
Washington	1,429	0.7	4.1	24.6	28.7	24.8	17.0
Waukesha	4,362	0.8	4.1	17.6	22.6	32.2	22.4
Waupaca	556	1.1	10.3	39.6	24.3	14.2	10.4
Waushara	260	11.2	12.3	40.0	17.7	11.9	6.5
Winnebago	1,839	1.9	9.4	33.0	23.5	16.9	14.7
Wood	846	1.7	8.0	35.0	29.6	12.6	12.5

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

Table 2-16. Number of Births by Education of Mother and Region, Wisconsin 2004

	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	70,131	2,595	8,270	20,292	16,864	12,301	9,531
DHFS Regions							
Southern	13,202	524	1,238	3,619	3,087	2,460	2,193
Southeastern	28,100	1,035	4,447	7,516	6,033	5,119	3,848
Northeastern	14,499	447	1,484	4,682	3,597	2,503	1,745
Western	9,123	470	677	2,635	2,664	1,519	1,125
Northern	5,207	119	424	1,840	1,483	700	620
Perinatal Regions							
South Central	14,760	509	1,477	4,064	3,449	2,763	2,412
Southeast	27,315	980	4,309	7,389	5,823	4,988	3,730
Fox Valley	7,152	215	623	2,334	1,765	1,247	943
Northeast	5,965	199	723	1,852	1,509	1,026	642
Western	8,220	370	563	2,359	2,421	1,401	1,073
North Central	5,371	317	430	1,848	1,465	693	598
Northwest	1,348	5	145	446	432	183	133

Table 2-17. Percent of Births by Education of Mother and Region, Wisconsin 2004

	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	70,131	3.7%	11.8%	28.9%	24.0%	17.5%	13.6%
DHFS Regions							
Southern	13,202	4.0	9.4	27.4	23.4	18.6	16.6
Southeastern	28,100	3.7	15.8	26.7	21.5	18.2	13.7
Northeastern	14,499	3.1	10.2	32.3	24.8	17.3	12.0
Western	9,123	5.2	7.4	28.9	29.2	16.7	12.3
Northern	5,207	2.3	8.1	35.3	28.5	13.4	11.9
Perinatal Regions							
South Central	14,760	3.4	10.0	27.5	23.4	18.7	16.3
Southeast	27,315	3.6	15.8	27.1	21.3	18.3	13.7
Fox Valley	7,152	3.0	8.7	32.6	24.7	17.4	13.2
Northeast	5,965	3.3	12.1	31.0	25.3	17.2	10.8
Western	8,220	4.5	6.8	28.7	29.5	17.0	13.1
North Central	5,371	5.9	8.0	34.4	27.3	12.9	11.1
Northwest	1,348	0.4	10.8	33.1	32.0	13.6	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 278 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 100 and 101).

Table 2-18. Number of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2004

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	22,152	91	1,620	3,537	9,188	4,511	2,039	916	250
Adams	66	-	10	8	24	14	7	1	2
Ashland	60	-	n/s	6	28	11	9	3	-
Barron	158	-	6	30	72	34	9	6	1
Bayfield	40	n/s	n/s	7	14	8	5	1	-
Brown	1,008	n/s	84	143	424	204	90	48	13
Buffalo	35	-	n/s	4	16	8	3	3	-
Burnett	71	-	n/s	10	32	17	7	1	-
Calumet	110	-	7	16	44	26	10	4	3
Chippewa	201	-	11	36	87	44	14	8	1
Clark	109	n/s	8	26	41	24	7	2	-
Columbia	147	-	8	22	71	22	15	6	3
Crawford	74	-	6	7	32	20	5	4	-
Dane	1,515	n/s	91	209	607	371	153	63	18
Dodge	248	-	19	36	110	39	28	12	4
Door	54	-	4	8	13	14	10	5	-
Douglas	181	-	12	30	76	36	16	8	3
Dunn	112	-	6	21	45	31	5	2	2
Eau Claire	307	-	10	47	156	56	27	9	2
Florence	1	-	-	-	1	-	-	-	-
Fond du Lac	320	-	19	48	148	73	27	4	1
Forest	52	-	n/s	10	23	10	3	3	n/s
Grant	163	n/s	10	29	79	25	12	6	1
Green	114	-	8	17	56	18	8	5	2
Green Lake	52	-	n/s	11	22	10	2	1	3
Iowa	66	-	-	14	24	16	5	6	n/s
Iron	13	-	n/s	n/s	4	5	-	n/s	-
Jackson	90	-	6	17	36	20	6	5	-
Jefferson	243	n/s	11	34	113	47	28	3	6
Juneau	95	-	6	18	43	13	12	1	2
Kenosha	753	n/s	64	111	323	150	74	22	6
Kewaunee	44	-	-	11	15	11	4	3	-
La Crosse	356	n/s	13	60	158	67	39	14	4
Lafayette	67	-	n/s	16	24	15	7	2	-
Langlade	74	-	n/s	14	36	18	4	-	n/s
Lincoln	103	-	8	16	36	22	13	7	1
Manitowoc	216	n/s	17	36	93	40	18	11	-
Marathon	362	n/s	13	62	160	78	33	14	1
Marinette	120	n/s	8	30	42	20	11	2	5
Marquette	53	-	8	12	16	10	4	-	n/s
Menominee	79	-	7	16	29	10	12	3	n/s
Milwaukee	7,454	57	670	1,164	2,946	1,521	717	297	82
Monroe	185	n/s	19	43	75	30	14	3	-

(Continued)

Table 2-18. Number of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2004

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Oconto	103	-	14	13	45	17	8	6	-
Oneida	80	-	7	9	31	20	5	7	1
Outagamie	480	-	23	61	203	110	45	29	9
Ozaukee	113	-	4	20	57	18	8	4	2
Pepin	23	-	-	n/s	11	3	3	n/s	n/s
Pierce	102	-	5	13	41	27	6	9	1
Polk	133	-	5	28	43	28	16	12	1
Portage	175	-	9	30	76	45	7	8	-
Price	40	-	n/s	6	17	4	12	-	-
Racine	960	n/s	85	169	391	193	77	35	6
Richland	68	-	n/s	8	34	15	8	1	n/s
Rock	745	n/s	47	146	298	151	64	33	4
Rusk	48	n/s	n/s	11	18	9	5	1	1
St. Croix	192	n/s	11	25	75	46	19	12	3
Sauk	210	-	10	37	108	34	10	10	1
Sawyer	96	-	7	19	42	15	9	4	-
Shawano	159	-	12	25	61	29	12	14	6
Sheboygan	360	n/s	29	59	150	55	39	23	3
Taylor	54	n/s	n/s	9	30	7	2	2	-
Trempealeau	106	-	11	18	46	23	6	1	1
Vernon	88	-	5	10	43	15	11	3	1
Vilas	71	-	-	10	33	14	10	1	3
Walworth	312	n/s	36	59	118	62	23	9	3
Washburn	42	-	n/s	8	17	10	2	2	-
Washington	231	-	10	30	108	52	16	9	6
Waukesha	640	-	32	91	285	125	62	37	8
Waupaca	154	-	11	30	64	27	14	4	4
Waushara	59	n/s	6	13	16	10	5	7	1
Winnebago	488	n/s	25	79	219	91	46	23	4
Wood	249	n/s	15	40	114	48	16	10	5

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

Notes: 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 2-6).

Table 2-19. Percent of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2004

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	22,152	0.4%	7.3%	16.0%	41.5%	20.4%	9.2%	4.1%	1.1%
Adams	66	-	15.2	12.1	36.4	21.2	10.6	1.5	3.0
Ashland	60	-	n/s	10.0	46.7	18.3	15.0	5.0	-
Barron	158	-	3.8	19.0	45.6	21.5	5.7	3.8	0.6
Bayfield	40	n/s	n/s	17.5	35.0	20.0	12.5	2.5	-
Brown	1,008	n/s	8.3	14.2	42.1	20.2	8.9	4.8	1.3
Buffalo	35	-	n/s	11.4	45.7	22.9	8.6	8.6	-
Burnett	71	-	n/s	14.1	45.1	23.9	9.9	1.4	-
Calumet	110	-	6.4	14.5	40.0	23.6	9.1	3.6	2.7
Chippewa	201	-	5.5	17.9	43.3	21.9	7.0	4.0	0.5
Clark	109	n/s	7.3	23.9	37.6	22.0	6.4	1.8	-
Columbia	147	-	5.4	15.0	48.3	15.0	10.2	4.1	2.0
Crawford	74	-	8.1	9.5	43.2	27.0	6.8	5.4	-
Dane	1,515	n/s	6.0	13.8	40.1	24.5	10.1	4.2	1.2
Dodge	248	-	7.7	14.5	44.4	15.7	11.3	4.8	1.6
Door	54	-	7.4	14.8	24.1	25.9	18.5	9.3	-
Douglas	181	-	6.6	16.6	42.0	19.9	8.8	4.4	1.7
Dunn	112	-	5.4	18.8	40.2	27.7	4.5	1.8	1.8
Eau Claire	307	-	3.3	15.3	50.8	18.2	8.8	2.9	0.7
Florence	1	-	-	-	100.0	-	-	-	-
Fond du Lac	320	-	5.9	15.0	46.3	22.8	8.4	1.3	0.3
Forest	52	-	n/s	19.2	44.2	19.2	5.8	5.8	n/s
Grant	163	n/s	6.1	17.8	48.5	15.3	7.4	3.7	0.6
Green	114	-	7.0	14.9	49.1	15.8	7.0	4.4	1.8
Green Lake	52	-	n/s	21.2	42.3	19.2	3.8	1.9	5.8
Iowa	66	-	-	21.2	36.4	24.2	7.6	9.1	n/s
Iron	13	-	n/s	n/s	30.8	38.5	-	n/s	-
Jackson	90	-	6.7	18.9	40.0	22.2	6.7	5.6	-
Jefferson	243	n/s	4.5	14.0	46.5	19.3	11.5	1.2	2.5
Juneau	95	-	6.3	18.9	45.3	13.7	12.6	1.1	2.1
Kenosha	753	n/s	8.5	14.7	42.9	19.9	9.8	2.9	0.8
Kewaunee	44	-	-	25.0	34.1	25.0	9.1	6.8	-
La Crosse	356	n/s	3.7	16.9	44.4	18.8	11.0	3.9	1.1
Lafayette	67	-	n/s	23.9	35.8	22.4	10.4	3.0	-
Langlade	74	-	n/s	18.9	48.6	24.3	5.4	-	n/s
Lincoln	103	-	7.8	15.5	35.0	21.4	12.6	6.8	1.0
Manitowoc	216	n/s	7.9	16.7	43.1	18.5	8.3	5.1	-
Marathon	362	n/s	3.6	17.1	44.2	21.5	9.1	3.9	0.3
Marinette	120	n/s	6.7	25.0	35.0	16.7	9.2	1.7	4.2
Marquette	53	-	15.1	22.6	30.2	18.9	7.5	-	n/s
Menominee	79	-	8.9	20.3	36.7	12.7	15.2	3.8	n/s
Milwaukee	7,454	0.8	9.0	15.6	39.5	20.4	9.6	4.0	1.1
Monroe	185	n/s	10.3	23.2	40.5	16.2	7.6	1.6	-

(Continued)

Table 2-19. Percent of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2004

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Oconto	103	-	13.6	12.6	43.7	16.5	7.8	5.8	-
Oneida	80	-	8.8	11.3	38.8	25.0	6.3	8.8	1.3
Outagamie	480	-	4.8	12.7	42.3	22.9	9.4	6.0	1.9
Ozaukee	113	-	3.5	17.7	50.4	15.9	7.1	3.5	1.8
Pepin	23	-	-	n/s	47.8	13.0	13.0	n/s	n/s
Pierce	102	-	4.9	12.7	40.2	26.5	5.9	8.8	1.0
Polk	133	-	3.8	21.1	32.3	21.1	12.0	9.0	0.8
Portage	175	-	5.1	17.1	43.4	25.7	4.0	4.6	-
Price	40	-	n/s	15.0	42.5	10.0	30.0	-	-
Racine	960	n/s	8.9	17.6	40.7	20.1	8.0	3.6	0.6
Richland	68	-	n/s	11.8	50.0	22.1	11.8	1.5	n/s
Rock	745	n/s	6.3	19.6	40.0	20.3	8.6	4.4	0.5
Rusk	48	n/s	n/s	22.9	37.5	18.8	10.4	2.1	2.1
St. Croix	192	n/s	5.7	13.0	39.1	24.0	9.9	6.3	1.6
Sauk	210	-	4.8	17.6	51.4	16.2	4.8	4.8	0.5
Sawyer	96	-	7.3	19.8	43.8	15.6	9.4	4.2	-
Shawano	159	-	7.5	15.7	38.4	18.2	7.5	8.8	3.8
Sheboygan	360	n/s	8.1	16.4	41.7	15.3	10.8	6.4	0.8
Taylor	54	n/s	n/s	16.7	55.6	13.0	3.7	3.7	-
Trempealeau	106	-	10.4	17.0	43.4	21.7	5.7	0.9	0.9
Vernon	88	-	5.7	11.4	48.9	17.0	12.5	3.4	1.1
Vilas	71	-	-	14.1	46.5	19.7	14.1	1.4	4.2
Walworth	312	n/s	11.5	18.9	37.8	19.9	7.4	2.9	1.0
Washburn	42	-	n/s	19.0	40.5	23.8	4.8	4.8	-
Washington	231	-	4.3	13.0	46.8	22.5	6.9	3.9	2.6
Waukesha	640	-	5.0	14.2	44.5	19.5	9.7	5.8	1.3
Waupaca	154	-	7.1	19.5	41.6	17.5	9.1	2.6	2.6
Waushara	59	n/s	10.2	22.0	27.1	16.9	8.5	11.9	1.7
Winnebago	488	n/s	5.1	16.2	44.9	18.6	9.4	4.7	0.8
Wood	249	n/s	6.0	16.1	45.8	19.3	6.4	4.0	2.0

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

Notes: 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 2-6).

Table 2-20. Number of Births to Unmarried Mothers by Age and Region, Wisconsin 2004

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	22,152	91	1,620	3,537	9,188	4,511	2,039	916	250
DHFS Regions									
Southern	3,666	6	224	577	1,553	768	345	153	40
Southeastern	10,706	67	912	1,678	4,341	2,168	1,005	416	119
Northeastern	3,859	9	277	611	1,604	757	357	187	57
Western	2,451	5	133	431	1,045	513	204	99	21
Northern	1,470	n/s	74	240	645	305	128	61	13
Perinatal Regions									
South Central	4,059	9	260	653	1,709	842	380	158	48
Southeast	10,511	66	894	1,644	4,260	2,114	993	427	113
Fox Valley	1,716	n/s	102	270	732	357	153	72	28
Northeast	1,783	5	146	282	722	345	165	92	26
Western	2,162	n/s	115	363	936	452	183	92	18
North Central	1,418	5	69	243	616	299	117	55	14
Northwest	503	n/s	34	82	213	102	48	20	3

Table 2-21. Percent of Births to Unmarried Mothers by Age and Region, Wisconsin 2004

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	22,152	0.4%	7.3%	16.0%	41.5%	20.4%	9.2%	4.1%	1.1%
DHFS Regions									
Southern	3,666	0.2	6.1	15.7	42.4	20.9	9.4	4.2	1.1
Southeastern	10,706	0.6	8.5	15.7	40.5	20.3	9.4	3.9	1.1
Northeastern	3,859	0.2	7.2	15.8	41.6	19.6	9.3	4.8	1.5
Western	2,451	0.2	5.4	17.6	42.6	20.9	8.3	4.0	0.9
Northern	1,470	n/s	5.0	16.3	43.9	20.7	8.7	4.1	0.9
Perinatal Regions									
South Central	4,059	0.2	6.4	16.1	42.1	20.7	9.4	3.9	1.2
Southeast	10,511	0.6	8.5	15.6	40.5	20.1	9.4	4.1	1.1
Fox Valley	1,716	n/s	5.9	15.7	42.7	20.8	8.9	4.2	1.6
Northeast	1,783	0.3	8.2	15.8	40.5	19.3	9.3	5.2	1.5
Western	2,162	n/s	5.3	16.8	43.3	20.9	8.5	4.3	0.8
North Central	1,418	0.4	4.9	17.1	43.4	21.1	8.3	3.9	1.0
Northwest	503	n/s	6.8	16.3	42.3	20.3	9.5	4.0	0.6

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

Notes: For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 100 and 101). 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 2-8).

Table 2-22. Births by Trimester Prenatal Care Began and County of Residence, Wisconsin 2004

County	Total	Trimester Prenatal Care Began				No Care	Percent That Received First-Trimester Care		
		First	Second	Third	2004		2003	2002	
Total	70,131	59,666	8,227	1,571	464	85.1%	84.7%	84.2%	
Adams	162	129	26	3	4	79.6	80.7	75.0	
Ashland	184	153	28	3	-	83.2	84.1	85.3	
Barron	527	449	60	14	1	85.2	86.3	86.2	
Bayfield	140	123	14	2	1	87.9	75.7	85.4	
Brown	3,211	2,739	373	76	22	85.3	84.1	83.2	
Buffalo	155	140	13	-	1	90.3	87.3	90.0	
Burnett	144	112	22	4	3	77.8	72.5	82.0	
Calumet	701	622	66	10	2	88.7	88.1	89.4	
Chippewa	719	624	81	12	2	86.8	87.1	85.9	
Clark	564	332	177	45	8	58.9	59.4	59.7	
Columbia	637	536	78	22	1	84.1	87.8	83.8	
Crawford	177	135	34	5	2	76.3	80.4	82.2	
Dane	5,995	5,273	604	84	24	88.0	88.2	87.9	
Dodge	980	869	91	17	2	88.7	87.2	86.1	
Door	232	207	22	2	1	89.2	89.1	84.1	
Douglas	486	422	47	10	6	86.8	87.8	87.8	
Dunn	453	389	50	11	1	85.9	85.5	85.1	
Eau Claire	1,105	932	142	27	3	84.3	85.7	81.2	
Florence	33	29	3	-	-	87.9	89.2	94.4	
Fond du Lac	1,117	966	110	34	7	86.5	87.1	85.5	
Forest	108	90	15	2	1	83.3	90.2	83.0	
Grant	590	461	96	24	5	78.1	80.0	79.2	
Green	404	366	30	6	1	90.6	86.9	88.1	
Green Lake	229	169	36	20	3	73.8	74.5	75.2	
Iowa	312	285	21	3	2	91.3	88.0	90.4	
Iron	42	40	2	-	-	95.2	83.0	88.1	
Jackson	244	188	35	15	2	77.0	77.5	76.1	
Jefferson	1,020	876	118	21	4	85.9	87.8	83.6	
Juneau	293	237	45	8	2	80.9	82.5	74.5	
Kenosha	2,125	1,825	228	46	13	85.9	86.7	84.7	
Kewaunee	235	202	19	11	3	86.0	90.6	90.2	
La Crosse	1,259	1,055	165	35	2	83.8	86.0	85.9	
Lafayette	223	176	34	6	5	78.9	80.3	83.0	
Langlade	216	183	27	5	-	84.7	85.8	83.6	
Lincoln	315	284	25	3	2	90.2	82.4	89.2	
Manitowoc	889	792	85	7	5	89.1	88.0	86.5	
Marathon	1,531	1,233	255	33	8	80.5	79.8	78.2	
Marinette	423	355	58	10	-	83.9	83.2	82.8	
Marquette	156	122	24	7	1	78.2	70.9	77.3	
Menominee	102	72	27	3	-	70.6	65.6	69.4	
Milwaukee	14,635	12,064	2,050	339	156	82.4	80.4	79.3	
Monroe	587	430	73	63	15	73.3	76.6	72.6	

(Continued)

Table 2-22. Births by Trimester Prenatal Care Began and County of Residence, Wisconsin 2004

County	Total	Trimester Prenatal Care Began				No Care	Percent That Received First-Trimester Care		
		First	Second	Third	2004		2003	2002	
Oconto	400	361	35	2	2	90.3	84.4	85.6	
Oneida	333	299	27	5	1	89.8	90.0	89.3	
Outagamie	2,294	2,042	215	27	6	89.0	86.7	86.8	
Ozaukee	883	841	32	7	3	95.2	95.1	92.2	
Pepin	91	71	11	8	1	78.0	77.2	82.1	
Pierce	466	411	43	7	1	88.2	89.4	87.6	
Polk	508	426	66	9	1	83.9	83.0	83.4	
Portage	710	599	94	13	2	84.4	85.1	83.6	
Price	137	114	21	1	1	83.2	83.7	86.9	
Racine	2,499	2,068	288	82	21	82.8	82.6	81.9	
Richland	231	186	33	10	2	80.5	81.0	76.3	
Rock	2,002	1,753	200	31	14	87.6	88.0	88.8	
Rusk	150	122	25	3	-	81.3	79.4	88.8	
St. Croix	1,138	1,014	88	14	2	89.1	87.1	89.0	
Sauk	764	648	86	26	2	84.8	85.2	83.0	
Sawyer	184	138	36	7	2	75.0	73.9	72.5	
Shawano	473	369	89	13	2	78.0	81.0	81.5	
Sheboygan	1,382	1,192	162	23	5	86.3	86.8	87.8	
Taylor	240	177	50	8	1	73.8	78.1	80.4	
Trempealeau	359	292	46	16	4	81.3	84.3	83.5	
Vernon	432	279	83	60	9	64.6	65.5	60.9	
Vilas	188	150	32	5	1	79.8	82.3	84.7	
Walworth	1,147	956	156	26	5	83.3	82.3	84.4	
Washburn	168	144	17	3	2	85.7	85.8	81.1	
Washington	1,429	1,325	88	13	3	92.7	92.0	92.7	
Waukesha	4,362	4,116	200	27	14	94.4	95.1	95.6	
Waupaca	556	475	64	15	1	85.4	81.7	85.5	
Waushara	260	181	63	12	2	69.6	78.1	77.8	
Winnebago	1,839	1,561	216	34	25	84.9	85.7	86.0	
Wood	846	670	152	16	8	79.2	81.8	82.0	

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

Notes: Included in the totals are 203 births for which prenatal care initiation was not reported. A dash (-) indicates that there were no births in that category.

Table 2-23. Births by Trimester Prenatal Care Began and Region, Wisconsin 2004

	Total	Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
		First	Second	Third	No Care	2004	2003	2002
Total	70,131	59,666	8,227	1,571	464	85.1%	84.7%	84.2%
DHFS Regions								
Southern	13,202	11,333	1,461	305	75	85.8	86.2	86.2
Southeastern	28,100	24,071	3,160	561	219	85.7	84.7	84.0
Northeastern	14,499	12,427	1,664	306	87	85.7	85.1	85.1
Western	9,123	7,553	1,161	296	55	82.8	83.4	81.9
Northern	5,207	4,282	781	103	28	82.2	82.2	82.3
Perinatal Regions								
South Central	14,760	12,751	1,618	287	73	86.4	86.6	85.9
Southeast	27,315	23,431	3,048	537	215	85.8	84.8	84.2
Fox Valley	7,152	6,138	794	159	47	85.8	85.1	85.6
Northeast	5,965	5,097	708	124	35	85.4	84.6	83.8
Western	8,220	6,835	990	296	47	83.2	83.9	82.9
North Central	5,371	4,282	903	139	33	79.7	80.2	80.4
Northwest	1,348	1,132	166	29	14	84.0	82.6	83.8

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

Notes: Included in the totals are 203 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 100 and 101).

Table 2-24. Births by Number of Prenatal Care Visits and County of Residence, Wisconsin 2004

County	Total	Number of Prenatal Care Visits					Percent of Births With <10 Visits
		No Visits	1-4	5-9	10-12	13+	
Total	70,131	464	1,893	12,886	30,652	23,889	21.7%
Adams	162	4	2	36	83	37	25.9
Ashland	184	-	2	41	78	63	23.4
Barron	527	1	23	77	297	126	19.2
Bayfield	140	1	2	31	50	56	24.3
Brown	3,211	22	68	589	1,439	1,085	21.1
Buffalo	155	1	4	27	68	54	20.6
Burnett	144	3	9	45	42	43	39.6
Calumet	701	2	12	128	375	183	20.3
Chippewa	719	2	33	308	238	138	47.7
Clark	564	8	73	222	155	105	53.7
Columbia	637	1	12	139	286	194	23.9
Crawford	177	2	5	27	101	41	19.2
Dane	5,995	24	86	1,071	2,675	2,113	19.7
Dodge	980	2	14	159	441	361	17.9
Door	232	1	4	31	80	116	15.5
Douglas	486	6	8	121	273	77	27.8
Dunn	453	1	10	101	210	128	24.7
Eau Claire	1,105	3	42	234	468	357	25.2
Florence	33	-	1	7	10	15	24.2
Fond du Lac	1,117	7	39	497	395	178	48.6
Forest	108	1	1	22	50	33	22.2
Grant	590	5	32	132	279	138	28.6
Green	404	1	6	67	164	165	18.3
Green Lake	229	3	10	56	88	68	30.1
Iowa	312	2	3	84	157	65	28.5
Iron	42	-	-	6	16	20	14.3
Jackson	244	2	20	61	79	80	34.0
Jefferson	1,020	4	11	112	548	343	12.5
Juneau	293	2	11	68	111	100	27.6
Kenosha	2,125	13	28	314	917	792	16.7
Kewaunee	235	3	5	45	124	58	22.6
La Crosse	1,259	2	39	369	437	408	32.6
Lafayette	223	5	7	49	92	69	27.4
Langlade	216	-	2	41	110	63	19.9
Lincoln	315	2	6	61	145	100	21.9
Manitowoc	889	5	10	95	472	307	12.4
Marathon	1,531	8	58	363	721	381	28.0
Marinette	423	-	11	65	134	213	18.0
Marquette	156	1	6	43	58	43	32.1
Menominee	102	-	6	39	36	20	44.1
Milwaukee	14,635	156	515	2,607	5,724	5,595	22.4
Monroe	587	15	79	136	170	183	39.2

(Continued)

Table 2-24. Births by Number of Prenatal Care Visits and County of Residence, Wisconsin 2004

County	Total	Number of Prenatal Care Visits					Percent of Births With <10 Visits
		No Visits	1-4	5-9	10-12	13+	
Oconto	400	2	6	76	182	134	21.0
Oneida	333	1	5	33	142	152	11.7
Outagamie	2,294	6	30	434	1,224	592	20.5
Ozaukee	883	3	6	76	427	370	9.6
Pepin	91	1	7	20	33	30	30.8
Pierce	466	1	11	107	189	153	25.5
Polk	508	1	11	99	190	200	21.9
Portage	710	2	15	101	300	286	16.6
Price	137	1	2	27	66	41	21.9
Racine	2,499	21	56	399	1,076	882	19.0
Richland	231	2	14	52	94	69	29.4
Rock	2,002	14	32	252	1,078	620	14.9
Rusk	150	-	13	64	55	18	51.3
St. Croix	1,138	2	20	241	553	294	23.1
Sauk	764	2	26	135	355	245	21.3
Sawyer	184	2	10	77	73	22	48.4
Shawano	473	2	15	100	216	137	24.7
Sheboygan	1,382	5	17	221	658	480	17.6
Taylor	240	1	10	61	91	75	30.0
Trempealeau	359	4	17	100	131	106	33.7
Vernon	432	9	85	89	132	116	42.4
Vilas	188	1	5	35	74	72	21.8
Walworth	1,147	5	32	243	574	291	24.4
Washburn	168	2	7	44	83	31	31.5
Washington	1,429	3	10	103	615	698	8.1
Waukesha	4,362	14	27	310	2,051	1,949	8.0
Waupaca	556	1	12	132	247	164	26.1
Waushara	260	2	12	73	96	76	33.5
Winnebago	1,839	25	27	303	831	645	19.3
Wood	846	8	38	153	420	227	23.5

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

Notes: Included in the totals are 347 births for which number of prenatal care visits was not reported. A dash (-) indicates that there were no births in that category.

Table2-25. Births by Number of Prenatal Care Visits and Region, Wisconsin 2004

	Total	Number of Prenatal Care Visits					Percent of Births With <10 Visits
		No Visits	1-4	5-9	10-12	13+	
Total	70,131	464	1,893	12,886	30,652	23,889	21.7%
DHFS Regions							
Southern	13,202	75	335	2,360	6,048	4,333	21.0
Southeastern	28,100	219	685	4,164	11,932	10,920	18.0
Northeastern	14,499	87	290	2,927	6,655	4,499	22.8
Western	9,123	55	426	2,376	3,671	2,531	31.3
Northern	5,207	28	157	1,059	2,346	1,606	23.9
Perinatal Regions							
South Central	14,760	73	288	2,599	6,937	4,810	20.1
Southeast	27,315	215	659	4,030	11,468	10,766	18.0
Fox Valley	7,152	47	148	1,666	3,314	1,949	26.0
Northeast	5,965	35	125	1,040	2,683	2,070	20.1
Western	8,220	47	406	1,996	3,296	2,414	29.8
North Central	5,371	33	229	1,190	2,339	1,568	27.0
Northwest	1,348	14	38	365	615	312	30.9

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

Notes: Included in the totals are 347 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 100 and 101).

Table 2-26. Births by Birthweight and County of Residence, Wisconsin 2004

County	Total Births	<1,500 Grams	1,500-	2,500+	Total	Percent	
			2,499 Grams		<2,500 Grams	Low Birthweight 2004	2003
Total	70,131	869	4,038	65,209	4,907	7.0%	6.8%
Adams	162	2	7	153	9	5.6	5.6
Ashland	184	2	5	177	7	3.8	4.3
Barron	527	3	24	500	27	5.1	6.9
Bayfield	140	4	8	128	12	8.6	8.1
Brown	3,211	51	176	2,983	227	7.1	7.3
Buffalo	155	-	7	148	7	4.5	6.0
Burnett	144	-	4	140	4	2.8	4.3
Calumet	701	3	40	657	43	6.1	4.7
Chippewa	719	10	37	672	47	6.5	6.9
Clark	564	7	28	529	35	6.2	5.5
Columbia	637	5	30	602	35	5.5	5.7
Crawford	177	3	9	165	12	6.8	8.9
Dane	5,995	53	306	5,635	359	6.0	6.0
Dodge	980	4	60	916	64	6.5	5.1
Door	232	-	10	222	10	4.3	6.0
Douglas	486	3	25	457	28	5.8	7.2
Dunn	453	3	19	431	22	4.9	6.8
Eau Claire	1,105	14	73	1,018	87	7.9	5.6
Florence	33	-	-	33	-	-	-
Fond du Lac	1,117	17	61	1,038	78	7.0	5.5
Forest	108	-	7	100	7	6.5	4.9
Grant	590	7	26	557	33	5.6	4.6
Green	404	5	23	376	28	6.9	6.8
Green Lake	229	1	14	214	15	6.6	3.9
Iowa	312	3	14	295	17	5.4	7.5
Iron	42	-	3	39	3	7.1	3.8
Jackson	244	5	15	224	20	8.2	7.4
Jefferson	1,020	11	54	955	65	6.4	5.0
Juneau	293	1	9	283	10	3.4	7.4
Kenosha	2,125	23	146	1,954	169	8.0	6.6
Kewaunee	235	3	14	218	17	7.2	5.5
La Crosse	1,259	15	65	1,179	80	6.4	7.2
Lafayette	223	4	9	210	13	5.8	4.0
Langlade	216	-	10	206	10	4.6	4.7
Lincoln	315	2	14	299	16	5.1	6.3
Manitowoc	889	6	52	831	58	6.5	7.6
Marathon	1,531	18	91	1,422	109	7.1	6.7
Marinette	423	9	26	388	35	8.3	6.8
Marquette	156	2	15	139	17	10.9	7.9
Menominee	102	1	6	95	7	6.9	6.7
Milwaukee	14,635	287	1,032	13,315	1,319	9.0	9.0
Monroe	587	6	38	543	44	7.5	6.9

(Continued)

Table 2-26. Births by Birthweight and County of Residence, Wisconsin 2004

County	Total Births	<1,500 Grams	1,500-	2,500+	Total	Percent	
			2,499 Grams		<2,500 Grams	Low Birthweight 2004	2003
Oconto	400	2	16	382	18	4.5	5.4
Oneida	333	1	30	301	31	9.3	5.3
Outagamie	2,294	26	133	2,135	159	6.9	5.9
Ozaukee	883	7	37	839	44	5.0	5.5
Pepin	91	3	4	84	7	7.7	6.3
Pierce	466	4	23	438	27	5.8	7.9
Polk	508	2	25	481	27	5.3	5.5
Portage	710	5	28	677	33	4.6	4.9
Price	137	2	9	126	11	8.0	2.4
Racine	2,499	48	135	2,316	183	7.3	7.8
Richland	231	4	13	213	17	7.4	7.3
Rock	2,002	23	141	1,838	164	8.2	7.3
Rusk	150	-	9	141	9	6.0	7.6
St. Croix	1,138	9	56	1,073	65	5.7	7.1
Sauk	764	11	40	712	51	6.7	5.6
Sawyer	184	2	7	175	9	4.9	7.0
Shawano	473	7	21	445	28	5.9	5.2
Sheboygan	1,382	13	71	1,298	84	6.1	5.5
Taylor	240	5	10	225	15	6.3	4.1
Trempealeau	359	4	17	338	21	5.8	6.8
Vernon	432	2	21	408	23	5.3	3.7
Vilas	188	-	7	181	7	3.7	6.5
Walworth	1,147	11	63	1,073	74	6.5	4.8
Washburn	168	2	13	153	15	8.9	8.7
Washington	1,429	6	52	1,371	58	4.1	4.6
Waukesha	4,362	35	247	4,079	282	6.5	6.2
Waupaca	556	10	29	517	39	7.0	7.6
Waushara	260	2	19	239	21	8.1	7.7
Winnebago	1,839	21	105	1,713	126	6.9	6.7
Wood	846	9	45	792	54	6.4	5.4

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 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 2-27. Births by Birthweight and Region, Wisconsin 2004

	Total Births	<1,500 Grams	1,500-2,499 Grams	2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight	
						2004	2003
Total	70,131	869	4,038	65,209	4,907	7.0%	6.8%
DHFS Regions							
Southern	13,202	127	708	12,363	835	6.3	6.1
Southeastern	28,100	428	1,766	25,902	2,194	7.8	7.6
Northeastern	14,499	174	808	13,514	982	6.8	6.4
Western	9,123	90	482	8,549	572	6.3	6.7
Northern	5,207	50	274	4,881	324	6.2	5.6
Perinatal Regions							
South Central	14,760	144	795	13,818	939	6.4	5.9
Southeast	27,315	419	1,720	25,172	2,139	7.8	7.7
Fox Valley	7,152	82	416	6,652	498	7.0	6.1
Northeast	5,965	79	321	5,564	400	6.7	6.9
Western	8,220	83	433	7,702	516	6.3	6.6
North Central	5,371	49	288	5,032	337	6.3	5.7
Northwest	1,348	13	65	1,269	78	5.8	6.6

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 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 100 and 101).

Table 2-28. Fetal, Neonatal, Postneonatal and Infant Deaths by County of Residence, Wisconsin 2004

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	352	280	140	420
Adams	1	-	-	-
Ashland	-	1	-	1
Barron	1	2	2	4
Bayfield	-	4	-	4
Brown	7	21	4	25
Buffalo	-	-	-	-
Burnett	2	1	1	2
Calumet	8	1	1	2
Chippewa	3	2	1	3
Clark	7	3	2	5
Columbia	4	3	1	4
Crawford	2	-	-	-
Dane	27	14	8	22
Dodge	4	-	-	-
Door	1	-	1	1
Douglas	-	2	1	3
Dunn	6	2	-	2
Eau Claire	5	2	1	3
Florence	-	-	-	-
Fond du Lac	3	4	1	5
Forest	2	-	-	-
Grant	1	6	1	7
Green	1	-	1	1
Green Lake	2	-	-	-
Iowa	1	-	2	2
Iron	1	-	-	-
Jackson	-	1	1	2
Jefferson	1	2	2	4
Juneau	2	-	-	-
Kenosha	17	6	8	14
Kewaunee	-	-	-	-
La Crosse	8	-	2	2
Lafayette	-	-	2	2
Langlade	1	-	1	1
Lincoln	3	1	-	1
Manitowoc	5	3	2	5

(Continued)

Table 2-28. Fetal, Neonatal, Postneonatal and Infant Deaths by County of Residence, Wisconsin 2004

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	8	7	1	8
Marinette	-	3	1	4
Marquette	1	-	1	1
Menominee	-	-	-	-
Milwaukee	99	101	48	149
Monroe	3	4	1	5
Oconto	2	1	-	1
Oneida	3	-	2	2
Outagamie	6	3	3	6
Ozaukee	4	3	-	3
Pepin	-	-	1	1
Pierce	4	-	2	2
Polk	2	-	-	-
Portage	2	-	2	2
Price	2	1	-	1
Racine	12	17	8	25
Richland	3	1	2	3
Rock	12	6	4	10
Rusk	3	-	-	-
St. Croix	-	2	-	2
Sauk	7	2	1	3
Sawyer	-	2	1	3
Shawano	1	1	-	1
Sheboygan	8	13	4	17
Taylor	1	-	-	-
Trempealeau	2	1	-	1
Vernon	2	1	1	2
Vilas	-	-	-	-
Walworth	4	-	-	-
Washburn	2	-	-	-
Washington	6	3	4	7
Waukesha	15	15	3	18
Waupaca	1	2	1	3
Waushara	1	-	1	1
Winnebago	8	8	1	9
Wood	2	2	1	3
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 2-29. Fetal, Neonatal, Postneonatal and Infant Deaths by Region, Wisconsin 2004

	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	352	280	140	420
DHFS Region				
Southern	67	33	23	56
Southeastern	158	147	73	220
Northeastern	54	60	21	81
Western	48	22	15	37
Northern	25	18	8	26
Perinatal Regions				
South Central	68	34	24	58
Southeast	161	158	75	233
Fox Valley	30	18	9	27
Northeast	16	29	8	37
Western	38	17	12	29
North Central	34	14	9	23
Northwest	5	10	3	13

Table 2-30. Rates of Fetal, Neonatal, Postneonatal and Infant Deaths by Region, Wisconsin 2004

	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	5.0	4.0	2.0	6.0
DHFS Region				
Southern	5.0	2.5	1.7	4.2
Southeastern	5.6	5.2	2.6	7.8
Northeastern	3.7	4.1	1.4	5.6
Western	5.2	2.4	-	4.1
Northern	4.8	-	-	5.0
Perinatal Regions				
South Central	4.6	2.3	1.6	3.9
Southeast	5.9	5.8	2.7	8.5
Fox Valley	4.2	-	-	3.8
Northeast	-	4.9	-	6.2
Western	4.6	-	-	3.5
North Central	6.3	-	-	4.3
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 2-31. Fetal, Neonatal, Postneonatal and Infant Deaths by Selected Places, Wisconsin 2004

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	9	2	1 3	
Beloit	4	4	3 7	
Brookfield	1	-	-	-
Caledonia (T)	-	-	-	-
De Pere	-	1	-	1
Eau Claire	5	1	1	2
Fitchburg	1	-	1	1
Fond du Lac	2	1	1	2
Franklin	-	-	-	-
Green Bay	5	16	4	20
Greenfield	-	3	-	3
Janesville	6	-	-	-
Kenosha	13	5	8	13
La Crosse	2	-	-	-
Madison	20	5	5	10
Manitowoc	2	1	2 3	
Menomonee Falls (V)	-	-	-	-
Mequon/Thiensville	1	1	-	1
Milwaukee	88	89	42	131
Mount Pleasant (T)	-	-	-	-
Muskego	2	2	-	2
Neenah/Menasha	6	2	1 3	
New Berlin	-	-	-	-
Oak Creek	4	1	1	2
Oshkosh	2	3	-	3
Racine	9	14	7	21
Sheboygan	4	9	3	12
South Milwaukee	-	-	1	1
Stevens Point	2	-	1	1
Sun Prairie	-	-	-	-
Superior	-	1	1 2	
Watertown	-	-	1	1
Waukesha	7	5	-	5
Wausau	2	3	1 4	
Wauwatosa	2	1	-	1
West Allis	1	5	3	8
West Bend	2	2	1	3

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 3-1. Number of Births by County of Residence, Wisconsin 1980-2004

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 3-1. Number of Births by County of Residence, Wisconsin 1980-2004

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 3-1. Number of Births by County of Residence, Wisconsin 1980-2004

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
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
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

(Continued)

Table 3-1. Number of Births by County of Residence, Wisconsin 1980-2004

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 3-1. Number of Births by County of Residence, Wisconsin 1980-2004

County	2000	2001	2002	2003	2004
Total	69,289	69,012	68,510	69,999	70,131
Adams	158	179	160	161	162
Ashland	224	190	211	208	184
Barron	466	472	514	540	527
Bayfield	141	135	151	111	140
Brown	3,212	3,232	3,282	3,364	3,211
Buffalo	163	143	160	150	155
Burnett	136	155	172	138	144
Calumet	513	597	566	640	701
Chippewa	673	672	695	681	719
Clark	496	518	526	532	564
Columbia	616	651	622	646	637
Crawford	183	199	185	224	177
Dane	5,555	5,520	5,561	5,725	5,995
Dodge	994	926	950	963	980
Door	232	262	226	265	232
Douglas	513	513	474	501	486
Dunn	483	445	464	470	453
Eau Claire	1,116	1,146	1,098	1,110	1,105
Florence	36	40	36	37	33
Fond du Lac	1,151	1,091	1,132	1,209	1,117
Forest	114	100	100	122	108
Grant	540	547	548	584	590
Green	402	397	377	397	404
Green Lake	219	230	222	231	229
Iowa	263	310	301	308	312
Iron	40	48	42	53	42
Jackson	233	205	226	231	244
Jefferson	931	914	960	980	1,020
Juneau	275	252	298	285	293
Kenosha	2,151	2,119	2,091	2,160	2,125
Kewaunee	224	243	235	255	235
La Crosse	1,234	1,260	1,253	1,247	1,259
Lafayette	174	200	194	173	223
Langlade	209	213	238	212	216
Lincoln	281	329	334	284	315
Manitowoc	894	908	846	867	889

(Continued)

Table 3-1. Number of Births by County of Residence, Wisconsin 1980-2004

County	2000	2001	2002	2003	2004
Marathon	1,520	1,534	1,503	1,546	1,531
Marinette	457	386	395	458	423
Marquette	146	162	150	165	156
Menominee	93	93	85	90	102
Milwaukee	14,846	14,727	14,332	14,793	14,635
Monroe	602	593	559	624	587
Oconto	383	392	383	392	400
Oneida	316	278	327	301	333
Outagamie	2,289	2,244	2,337	2,255	2,294
Ozaukee	869	867	925	874	883
Pepin	79	88	84	79	91
Pierce	412	383	411	481	466
Polk	454	508	435	477	508
Portage	805	743	706	772	710
Price	125	139	137	123	137
Racine	2,650	2,581	2,540	2,539	2,499
Richland	201	204	207	205	231
Rock	2,075	2,028	1,966	2,055	2,002
Rusk	148	185	160	170	150
St. Croix	908	912	998	1,018	1,138
Sauk	755	701	722	730	764
Sawyer	182	182	171	157	184
Shawano	470	462	464	479	473
Sheboygan	1,437	1,339	1,380	1,376	1,382
Taylor	247	246	230	242	240
Trempealeau	322	330	284	338	359
Vernon	390	377	381	409	432
Vilas	155	194	189	186	188
Walworth	1,102	1,136	1,161	1,160	1,147
Washburn	163	156	159	183	168
Washington	1,490	1,484	1,517	1,489	1,429
Waukesha	4,357	4,421	4,268	4,311	4,362
Waupaca	567	602	598	596	556
Waushara	225	232	239	247	260
Winnebago	1,926	1,851	1,845	1,745	1,839
Wood	878	891	812	870	846
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 3-2. Number and Rate of Births by Age of Mother, Wisconsin 1980-2004

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
2004	Number		70,131	91	1,856	4,231	6,087	16,304
	Rate	12.7	60.3		15.7	52.1	30.5	81.0

(Continued)

Table 3-2. Number and Rate of Births by Age of Mother, Wisconsin 1980-2004

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		
2004	Number	20,513	17,541	7,946	1,726	1,649	77	14
	Rate	120.4	102.6	41.1	7.6	7.3		

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 3-3. Total Births and Births to Teenagers and Unmarried Mothers, Wisconsin 1980-2004

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
2004	70,131	12.7	1,856	2.6	4,231	6.0	22,152	31.6

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 3-4. Births by Selected Birth Indicators, Wisconsin 1980-2004

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	6,120	8.5	1,742	24.2
1990	8,272	11.4	59,275	81.6	4,284	5.9	6,544	9.0	1,523	21.0
1991	8,323	11.6	58,705	81.5	4,435	6.2	6,825	9.5	1,355	18.8
1992	8,396	11.9	57,804	81.8	4,204	5.9	6,552	9.3	1,260	17.8
1993	8,274	11.9	57,251	82.1	4,299	6.2	6,601	9.5	1,098	15.7
1994	8,149	11.9	56,717	83.1	4,358	6.4	6,828	10.0	847	12.4
1995	7,935	11.8	56,155	83.2	4,066	6.0	6,593	9.8	899	13.3
1996	7,689	11.5	56,273	83.9	4,217	6.3	6,648	9.9	912	13.6
1997	7,622	11.5	56,112	84.4	4,262	6.4	6,738	10.1	1,038	15.6
1998	7,644	11.3	56,645	84.1	4,412	6.5	6,947	10.3	988	14.7
1999	7,494	11.0	57,203	83.9	4,552	6.7	7,148	10.5	908	13.3
2000	7,800	11.3	58,129	83.9	4,526	6.5	7,236	10.4	902	13.0
2001	7,897	11.4	57,747	83.7	4,557	6.6	7,468	10.8	876	12.7
2002	7,578	11.1	57,686	84.2	4,549	6.6	7,328	10.7	879	12.8
2003	7,808	11.2	59,296	84.7	4,773	6.8	7,733	11.0	890	12.7
2004	7,825	11.2	59,666	85.1	4,907	7.0	7,703	11.0	971	13.8

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. In 2004 if the date of last normal menses was unknown or invalid or the computed estimate of gestational age was less than 16 weeks or greater than 45 weeks, the clinical estimate of gestation is substituted. Data for 1989-2003 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 1989-2004 and data for the years before 1989.

See Technical Notes (page 102) regarding comparability of data on congenital anomalies since 1989.

Table 3-5. Infant, Neonatal, Fetal and Perinatal Deaths and Mortality Rates, Wisconsin 1980-2004

Year	Infant Deaths			Neonatal Deaths			Fetal Deaths			Perinatal Deaths		
	Wisconsin Number	U.S. Rate*	U.S. Rate*	Wisconsin Number	U.S. Rate*	U.S. Rate*	Wisconsin Number	U.S. Rate**	U.S. Rate**	Wisconsin Number	U.S. Rate**	U.S. Rate**
1980	769	10.3	12.6	500	6.7	8.5	532	7.1	9.1	1,032	13.7	17.4
1981	769	10.3	11.9	514	6.9	8.0	552	7.4	8.9	1,066	14.2	16.9
1982	700	9.4	11.5	460	6.2	7.7	524	7.0	8.8	984	13.1	16.4
1983	699	9.6	11.2	459	6.3	7.3	476	6.5	8.4	935	12.8	15.6
1984	724	9.9	10.8	458	6.3	7.0	517	7.0	8.1	975	13.2	15.1
1985	674	9.2	10.6	414	5.6	7.0	481	6.5	7.8	895	12.1	14.7
1986	671	9.3	10.4	414	5.7	6.7	471	6.5	7.7	885	12.2	14.3
1987	611	8.6	10.1	361	5.1	6.5	445	6.2	7.6	806	11.3	14.1
1988	598	8.5	10.0	358	5.1	6.3	430	6.0	7.5	788	11.1	13.7
1989	662	9.2	9.8	401	5.6	6.2	480	6.6	7.5	881	12.2	13.7
1990	611	8.4	9.2	358	4.9	5.8	444	6.1	7.5	802	11.0	13.3
1991	608	8.4	8.9	370	5.1	5.6	427	5.9	7.3	797	11.0	12.8
1992	514	7.3	8.6	310	4.4	5.4	457	6.4	7.4	767	10.8	12.7
1993	553	7.9	8.4	331	4.7	5.3	401	5.7	7.1	732	10.4	12.4
1994	541	7.9	8.0	327	4.8	5.1	438	6.4	7.0	765	11.1	12.1
1995	493	7.3	7.6	311	4.6	4.9	403	5.9	7.0	714	10.5	11.8
1996	492	7.3	7.3	314	4.7	4.8	416	6.2	6.9	730	10.9	11.6
1997	431	6.5	7.2	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	6.7	647	9.4	n/a
2000	457	6.6	6.9	302	4.4	4.6	414	5.9	6.6	716	10.3	n/a
2001	491	7.1	6.8	323	4.7	4.5	375	5.4	6.5	698	10.1	n/a
2002	471	6.9	7.0	324	4.7	4.7	379	5.5	6.4	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
2004	420	6.0	n/a	280	4.0	n/a	352	5.0	n/a	632	9.0	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 103) for definition of perinatal deaths.

Table 3-6. Infant Deaths and Mortality Rates by Race/Ethnicity, Wisconsin 1984-2004

Year	White			African American			Hispanic			Total		
	Wisconsin		U.S.	Wisconsin		U.S.	Wisconsin		U.S.	Wisconsin		U.S.
	Number	Rate*	Rate	Number	Rate*	Rate	Number	Rate*	Rate	Number	Rate*	Rate
1984	588	9.0	n/a	98	19.8	n/a	7	-	n/a	724	9.9	10.8
1985	546	8.4	n/a	94	17.5	n/a	5	-	n/a	674	9.2	10.6
1986	533	8.4	n/a	103	18.0	n/a	9	-	n/a	671	9.3	10.4
1987	473	7.7	n/a	104	17.3	n/a	8	-	n/a	611	8.6	10.1
1988	441	7.2	n/a	109	17.2	n/a	12	-	n/a	598	8.5	10.0
1989	484	7.9	n/a	130	18.9	n/a	14	-	n/a	662	9.2	9.8
1990	440	7.2	n/a	140	19.7	n/a	10	-	n/a	611	8.4	9.2
1991	468	7.7	n/a	100	14.0	n/a	19	-	n/a	608	8.4	8.9
1992	370	6.3	n/a	102	14.0	n/a	18	-	n/a	514	7.3	8.6
1993	405	7.0	n/a	106	14.9	n/a	17	-	n/a	553	7.9	8.4
1994	368	6.5	n/a	127	18.6	n/a	22	9.2	n/a	541	7.9	8.0
1995	342	6.2	6.3	116	17.9	14.7	25	8.8	6.3	493	7.3	7.6
1996	325	5.9	6.0	117	18.3	14.2	32	10.2	6.1	492	7.3	7.3
1997	296	5.5	6.0	85	13.4	13.7	33	10.3	6.0	431	6.5	7.2
1998	308	5.6	6.0	116	17.9	13.9	40	11.0	5.8	488	7.2	7.2
1999	314	5.7	5.8	96	14.9	14.1	31	7.7	5.7	456	6.7	7.0
2000	312	5.6	5.7	108	16.8	13.6	21	4.7	5.6	457	6.6	6.9
2001	305	5.7	5.7	121	18.7	13.5	36	7.0	5.4	491	7.1	6.8
2002	297	5.5	5.8	116	18.3	13.9	35	6.6	5.6	471	6.9	7.0
2003	289	5.3	n/a	98	15.3	n/a	38	6.9	n/a	454	6.5	n/a
2004	245	4.5	n/a	125	19.2	n/a	30	5.1	n/a	420	6.0	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 based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.

n/a not available

Notes: See Technical Notes (page 102) for definition of race/ethnicity categories. Total includes all infant deaths, regardless of race/ethnicity. U.S. rates used in this table were cited from Mathews TJ, Menacker F, MacDorman MF. Infant mortality statistics from the 2002 period linked birth/infant death data set. National vital statistics reports; vol. 53 no. 10. Hyattsville, Maryland: National Center for Health Statistics. 2004.

Table 4-1. Number of Births by Age of Mother and Selected Characteristics, Wisconsin 2004

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	70,131	91	1,765	4,231	16,304	20,513	17,541	7,946	1,649	77
Education										
Elem. or Less	2,595	78	161	131	685	677	490	253	110	10
Some H.S.	8,270	13	1,465	1,538	2,945	1,427	571	247	62	2
H.S. Grad	20,292	-	120	2,212	7,460	5,467	3,161	1,496	360	14
Some College	16,864	-	1	320	4,052	5,814	4,436	1,829	397	14
College Grad	12,301	-	1	-	818	4,222	4,717	2,176	350	17
Post-Grad	9,531	-	6	4	272	2,841	4,112	1,918	359	19
Unknown	278	-	11	26	72	65	54	27	11	1
Marital Status										
Married	47,968	-	145	694	7,116	16,002	15,502	7,030	1,408	68
Unmarried	22,152	91	1,620	3,537	9,188	4,511	2,039	916	241	9
Unknown	11	-	-	-	-	-	-	-	-	-
Trimester Prenatal Care Began										
First	59,666	39	1,109	3,132	13,046	18,048	15,857	7,017	1,358	57
Second	8,227	39	518	884	2,587	1,946	1,329	717	193	14
Third	1,571	9	106	158	472	368	242	150	63	3
None	464	4	27	42	149	92	75	40	28	3
Unknown	203	-	5	15	50	59	38	22	7	-
Number of Prenatal Care Visits										
No Visits	464	4	27	42	149	92	75	40	28	3
1-4	1,893	13	109	180	568	456	312	184	67	4
5-9	12,886	22	501	1,032	3,521	3,507	2,721	1,268	290	21
10-12	30,652	32	696	1,781	6,832	9,142	7,956	3,509	679	25
13+	23,889	20	421	1,173	5,151	7,210	6,407	2,907	576	24
Unknown	347	-	11	23	83	106	70	38	9	-
Smoked During Pregnancy										
No	60,200	86	1,461	3,155	12,507	17,996	16,144	7,292	1,482	72
Yes	9,812	5	300	1,070	3,774	2,483	1,371	641	164	4
Unknown	119	-	4	6	23	34	26	13	3	1
Live Birth Order										
1	27,714	90	1,588	3,278	7,946	8,116	4,795	1,624	259	8
2	23,004	1	167	813	5,485	7,012	6,518	2,572	422	14
3	11,574	-	10	123	2,005	3,389	3,818	1,881	330	18
4	4,489	-	-	15	651	1,244	1,368	989	213	9
5+	3,336	-	-	1	217	751	1,037	877	425	27
Unknown	14	-	-	1	-	1	5	3	-	1
Plurality										
Single Birth	67,856	91	1,747	4,165	15,930	19,813	16,805	7,633	1,583	75
Multiple Birth	2,275	-	18	66	374	700	736	313	66	2
Prematurity										
Full-Term (37+ Weeks)	62,414	62	1,497	3,701	14,512	18,442	15,683	7,020	1,420	69
Premature (<37 Weeks)	7,703	29	268	528	1,791	2,070	1,852	924	229	7
Unknown	14	-	-	2	1	1	6	2	-	1
Attendant at Birth										
Physician, M.D.	62,573	82	1,516	3,687	14,097	18,392	15,989	7,273	1,469	63
Physician, D.O.	2,260	2	40	134	607	656	543	230	46	2
Cert. Nurse Midwife	4,173	7	201	386	1,342	1,148	750	282	53	3
Other Midwife	668	-	1	5	135	203	160	103	56	5
Other	454	-	7	19	122	114	99	58	25	4
Unknown	3	-	-	-	1	-	-	-	-	-

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

Notes: Included in the totals are 14 births for which age of mother was not reported. A dash (-) indicates that there were no births in that category.

Detailed Statewide Information

Table 4-2. Percent of Births by Age of Mother and Selected Characteristics, Wisconsin 2004

	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	3.7	85.7	9.1	3.1	4.2	3.3	2.8	3.2	6.7	13.0
Some H.S.	11.8	14.3	83.0	36.4	18.1	7.0	3.3	3.1	3.8	2.6
H.S. Grad	28.9	-	6.8	52.3	45.8	26.7	18.0	18.8	21.8	18.2
Some College	24.0	-	0.1	7.6	24.9	28.3	25.3	23.0	24.1	18.2
College Grad	17.5	-	0.1	-	5.0	20.6	26.9	27.4	21.2	22.1
Post-Grad	13.6	-	0.3	0.1	1.7	13.8	23.4	24.1	21.8	24.7
Unknown	0.4	-	0.6	0.6	0.4	0.3	0.3	0.3	0.7	1.3
Marital Status										
Married	68.4	-	8.2	16.4	43.6	78.0	88.4	88.5	85.4	88.3
Unmarried	31.6	100.0	91.8	83.6	56.4	22.0	11.6	11.5	14.6	11.7
Unknown	0.0	-	-	-	-	-	-	-	-	-
Trimester Prenatal Care Began										
First	85.1	42.9	62.8	74.0	80.0	88.0	90.4	88.3	82.4	74.0
Second	11.7	42.9	29.3	20.9	15.9	9.5	7.6	9.0	11.7	18.2
Third	2.2	9.9	6.0	3.7	2.9	1.8	1.4	1.9	3.8	3.9
None	0.7	4.4	1.5	1.0	0.9	0.4	0.4	0.5	1.7	3.9
Unknown	0.3	-	0.3	0.4	0.3	0.3	0.2	0.3	0.4	-
Number of Prenatal Care Visits										
No Visits	0.7	4.4	1.5	1.0	0.9	0.4	0.4	0.5	1.7	3.9
1-4	2.7	14.3	6.2	4.3	3.5	2.2	1.8	2.3	4.1	5.2
5-9	18.4	24.2	28.4	24.4	21.6	17.1	15.5	16.0	17.6	27.3
10-12	43.7	35.2	39.4	42.1	41.9	44.6	45.4	44.2	41.2	32.5
13+	34.1	22.0	23.9	27.7	31.6	35.1	36.5	36.6	34.9	31.2
Unknown	0.5	-	0.6	0.5	0.5	0.4	0.5	0.5	-	-
Smoked During Pregnancy										
No	85.8	94.5	82.8	74.6	76.7	87.7	92.0	91.8	89.9	93.5
Yes	14.0	5.5	17.0	25.3	23.1	12.1	7.8	8.1	9.9	5.2
Unknown	0.2	-	0.2	0.1	0.1	0.2	0.1	0.2	0.2	1.3
Live Birth Order										
1	39.5	98.9	90.0	77.5	48.7	39.6	27.3	20.4	15.7	10.4
2	32.8	1.1	9.5	19.2	33.6	34.2	37.2	32.4	25.6	18.2
3	16.5	-	0.6	2.9	12.3	16.5	21.8	23.7	20.0	23.4
4	6.4	-	-	0.4	4.0	6.1	7.8	12.4	12.9	11.7
5+	4.8	-	-	0.0	1.3	3.7	5.9	11.0	25.8	35.1
Unknown	0.0	-	-	0.0	-	0.0	0.0	0.0	-	1.3
Plurality										
Single Birth	96.8	100.0	99.0	98.4	97.7	96.6	95.8	96.1	96.0	97.4
Multiple Birth	3.2	-	1.0	1.6	2.3	3.4	4.2	3.9	4.0	2.6
Prematurity										
Full Term (37+ Weeks)	89.0	68.1	84.8	87.5	89.0	89.9	89.4	88.3	86.1	89.6
Premature (<37 Weeks)	11.0	31.9	15.2	12.5	11.0	10.1	10.6	11.6	13.9	9.1
Unknown	0.0	-	-	0.0	0.0	0.0	0.0	0.0	-	1.3
Attendant at Birth										
Physician, M.D.	89.2	90.1	85.9	87.1	86.5	89.7	91.2	91.5	89.1	81.8
Physician, D.O.	3.2	2.2	2.3	3.2	3.7	3.2	3.1	2.9	2.8	2.6
Cert. Nurse Midwife	6.0	7.7	11.4	9.1	8.2	5.6	4.3	3.5	3.2	3.9
Other Midwife	1.0	-	0.1	0.1	0.8	1.0	0.9	1.3	3.4	6.5
Other	0.6	-	0.4	0.4	0.7	0.6	0.6	0.7	1.5	5.2
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 14 births for which age of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 4-3. Number of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2004

	Total	White	Black/Afr. American	American Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	70,130	54,217	6,496	1,034	5,915	1,045	1,394
Age of Mother							
<15	91	15	46	4	25	1	-
15-17	1,765	724	557	48	337	83	15
18-19	4,230	2,439	901	141	555	136	57
20-24	16,304	11,069	2,421	381	1,858	366	204
25-29	20,513	16,626	1,353	234	1,655	202	437
30-34	17,541	14,979	798	145	1,018	153	444
35-39	7,946	6,887	343	61	386	78	189
40-44	1,649	1,409	76	19	75	23	46
45+	77	65	1	-	6	3	2
Unknown	14	4	-	1	-	-	-
Education of Mother							
Elem. or Less	2,595	966	160	24	1,278	150	17
Some H.S.	8,269	3,755	2,249	254	1,770	179	60
H.S. Grad	20,292	15,074	2,418	445	1,676	407	266
Some College	16,864	14,409	1,144	215	670	180	242
College Grad	12,301	11,260	269	48	272	68	381
Post-Grad	9,531	8,623	204	40	206	35	419
Unknown	278	130	52	8	43	26	9
Marital Status							
Married	47,968	41,334	1,170	304	3,071	835	1,238
Unmarried	22,151	12,881	5,326	730	2,844	210	156
Unknown	11	2	-	-	-	-	-
Trimester Prenatal Care Began							
First	59,666	47,951	4,970	741	4,250	571	1,165
Second	8,227	4,881	1,169	226	1,347	414	188
Third	1,571	969	225	52	249	49	27
None	463	276	102	13	54	10	5
Unknown	203	140	30	2	15	1	9
Number of Prenatal Care Visits							
No Visits	463	276	102	13	54	10	5
1-4	1,893	1,134	354	62	228	78	37
5-9	12,886	8,910	1,356	288	1,641	402	281
10-12	30,652	24,399	2,339	392	2,522	396	598
13+	23,889	19,265	2,298	274	1,432	156	458
Unknown	347	233	47	5	38	3	15
Smoked During Pregnancy							
No	60,199	46,176	5,411	662	5,570	1,013	1,348
Yes	9,812	7,965	1,072	370	334	32	36
Unknown	119	76	13	2	11	-	10
Live Birth Order							
1	27,713	21,968	2,251	398	2,128	322	634
2	23,004	18,347	1,756	291	1,901	194	509
3	11,574	8,825	1,134	201	1,057	166	186
4	4,489	3,057	699	76	510	105	40
5+	3,336	2,013	653	68	318	258	25
Unknown	14	7	3	-	1	-	-

(Continued)

Table 4-3. Number of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2004

	Total	White	Black/Afr. American	American Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	70,130	54,217	6,496	1,034	5,915	1,045	1,394
Prematurity							
Full Term (37+ Weeks)	62,414	48,639	5,381	891	5,285	925	1,266
Premature (<37 Weeks)	7,702	5,567	1,112	143	630	120	128
Unknown	14	11	3	-	-	-	-
Gestational Age (Weeks)							
16-31 Weeks	1,256	796	274	20	109	25	32
32-35 Weeks	3,641	2,630	514	77	309	60	50
36 Weeks	2,805	2,141	324	46	212	35	46
37-41 Weeks	56,865	44,546	4,828	776	4,724	787	1,178
42-45 Weeks	5,549	4,093	553	115	561	138	88
Unknown	14	11	3	-	-	-	-

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

Notes: Included in the totals are 29 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 or invalid, i.e., less than 16 weeks or greater than 45 weeks, clinical estimate of gestation is substituted.

Table 4-4. Percent of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2004

	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	-
15-17	2.5	1.3	8.6	4.6	5.7	7.9	1.1
18-19	6.0	4.5	13.9	13.6	9.4	13.0	4.1
20-24	23.2	20.4	37.3	36.8	31.4	35.0	14.6
25-29	29.2	30.7	20.8	22.6	28.0	19.3	31.3
30-34	25.0	27.6	12.3	14.0	17.2	14.6	31.9
35-39	11.3	12.7	5.3	5.9	6.5	7.5	13.6
40-44	2.4	2.6	1.2	1.8	1.3	2.2	3.3
45+	0.1	0.1	0.0	-	0.1	0.3	0.1
Unknown	0.0	0.0	-	0.1	-	-	-
Education of Mother							
Elem. or Less	3.7	1.8	2.5	2.3	21.6	14.4	1.2
Some H.S.	11.8	6.9	34.6	24.6	29.9	17.1	4.3
H.S. Grad	28.9	27.8	37.2	43.0	28.3	38.9	19.1
Some College	24.0	26.6	17.6	20.8	11.3	17.2	17.4
College Grad	17.5	20.8	4.1	4.6	4.6	6.5	27.3
Post-Grad	13.6	15.9	3.1	3.9	3.5	3.3	30.1
Unknown	0.4	0.2	0.8	0.8	0.7	2.5	0.6
Marital Status							
Married	68.4	76.2	18.0	29.4	51.9	79.9	88.8
Unmarried	31.6	23.8	82.0	70.6	48.1	20.1	11.2
Unknown	0.0	0.0	-	-	-	-	-
Trimester Prenatal Care Began							
First	85.1	88.4	76.5	71.7	71.9	54.6	83.6
Second	11.7	9.0	18.0	21.9	22.8	39.6	13.5
Third	2.2	1.8	3.5	5.0	4.2	4.7	1.9
None	0.7	0.5	1.6	1.3	0.9	1.0	0.4
Unknown	0.3	0.3	0.5	0.2	0.3	0.1	0.6
Number of Prenatal Care Visits							
No Visits	0.7	0.5	1.6	1.3	0.9	1.0	0.4
1-4	2.7	2.1	5.4	6.0	3.9	7.5	2.7
5-9	18.4	16.4	20.9	27.9	27.7	38.5	20.2
10-12	43.7	45.0	36.0	37.9	42.6	37.9	42.9
13+	34.1	35.5	35.4	26.5	24.2	14.9	32.9
Unknown	0.5	0.4	0.7	0.5	0.6	0.3	1.1
Smoked During Pregnancy							
No	85.8	85.2	83.3	64.0	94.2	96.9	96.7
Yes	14.0	14.7	16.5	35.8	5.6	3.1	2.6
Unknown	0.2	0.1	0.2	0.2	0.2	-	0.7
Live Birth Order							
1	39.5	40.5	34.7	38.5	36.0	30.8	45.5
2	32.8	33.8	27.0	28.1	32.1	18.6	36.5
3	16.5	16.3	17.5	19.4	17.9	15.9	13.3
4	6.4	5.6	10.8	7.4	8.6	10.0	2.9
5+	4.8	3.7	10.1	6.6	5.4	24.7	1.8
Unknown	0.0	0.0	0.0	-	0.0	-	-

(Continued)

Table 4-4. Percent of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2004

	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	89.7	82.8	86.2	89.3	88.5	90.8
Premature (<37 Weeks)	11.0	10.3	17.1	13.8	10.7	11.5	9.2
Unknown	0.0	0.0	0.0	-	-	-	-
Gestational Age (Weeks)							
16-31 Weeks	1.8	1.5	4.2	1.9	1.8	2.4	2.3
32-35 Weeks	5.2	4.9	7.9	7.4	5.2	5.7	3.6
36 Weeks	4.0	3.9	5.0	4.4	3.6	3.3	3.3
37-41 Weeks	81.1	82.2	74.3	75.0	79.9	75.3	84.5
42-45 Weeks	7.9	7.5	8.5	11.1	9.5	13.2	6.3
Unknown	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 29 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 or invalid, i.e., less than 16 weeks or greater than 45 weeks, clinical estimate of gestation is substituted.

Table 4-5. Number and Percent of Births by Birthweight and Selected Characteristics, Wisconsin 2004

	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	70,131	869	1.2%	4,038	5.8%	65,209	93.0%	4,907	7.0%
Plurality									
Single Birth	67,856	634	0.9	2,993	4.4	64,214	94.6	3,627	5.3
Multiple Birth	2,275	235	10.3	1,045	45.9	995	43.7	1,280	56.3
Prematurity									
Full Term (37+ Weeks)	62,414	26	0.0	1,623	2.6	60,759	97.3	1,649	2.6
Premature (<37 Weeks)	7,703	843	10.9	2,413	31.3	4,444	57.7	3,256	42.3
Unknown	14	-	-	2	14.3	6	42.9	2	14.3
Age of Mother									
<15	91	5	5.5	8	8.8	78	85.7	13	14.3
15-17	1,765	46	2.6	139	7.9	1,580	89.5	185	10.5
18-19	4,231	78	1.8	308	7.3	3,844	90.9	386	9.1
20-24	16,304	207	1.3	992	6.1	15,104	92.6	1,199	7.4
25-29	20,513	207	1.0	1,129	5.5	19,174	93.5	1,336	6.5
30-34	17,541	207	1.2	898	5.1	16,432	93.7	1,105	6.3
35-39	7,946	96	1.2	436	5.5	7,412	93.3	532	6.7
40-44	1,649	21	1.3	120	7.3	1,507	91.4	141	8.6
45+	77	-	-	6	7.8	70	90.9	6	7.8
Unknown	14	2	14.3	2	14.3	8	57.1	4	28.6
Race/Ethnicity of Mother									
White	54,217	536	1.0	2,856	5.3	50,812	93.7	3,392	6.3
Black/Afr. American	6,497	215	3.3	673	10.4	5,609	86.3	888	13.7
American Indian	1,034	10	1.0	51	4.9	973	94.1	61	5.9
Hispanic/Latino	5,915	77	1.3	312	5.3	5,525	93.4	389	6.6
Laotian/Hmong	1,045	15	1.4	58	5.6	972	93.0	73	7.0
Other	1,394	16	1.1	87	6.2	1,291	92.6	103	7.4
Unknown	29	-	-	1	3.4	27	93.1	1	3.4
Education of Mother									
Elem. or Less	2,595	25	1.0	117	4.5	2,453	94.5	142	5.5
Some H.S.	8,270	157	1.9	677	8.2	7,435	89.9	834	10.1
H.S. Grad	20,292	281	1.4	1,297	6.4	18,707	92.2	1,578	7.8
Some College	16,864	183	1.1	927	5.5	15,754	93.4	1,110	6.6
College Grad	12,301	131	1.1	539	4.4	11,630	94.5	670	5.4
Post-Grad	9,531	82	0.9	451	4.7	8,995	94.4	533	5.6
Unknown	278	10	3.6	30	10.8	235	84.5	40	14.4
Marital Status									
Married	47,968	450	0.9	2,333	4.9	45,176	94.2	2,783	5.8
Unmarried	22,152	418	1.9	1,704	7.7	20,025	90.4	2,122	9.6
Unknown	11	1	9.1	1	9.1	8	72.7	2	18.2

(Continued)

Table 4-5. Number and Percent of Births by Birthweight and Selected Characteristics, Wisconsin 2004

	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	59,666	705	1.2	3,305	5.5	55,649	93.3	4,010	6.7
Second	8,227	96	1.2	550	6.7	7,580	92.1	646	7.9
Third	1,571	10	0.6	91	5.8	1,470	93.6	101	6.4
None	464	43	9.3	64	13.8	352	75.9	107	23.1
Unknown	203	15	7.4	28	13.8	158	77.8	43	21.2
Number of Prenatal Care Visits									
No Visits	464	43	9.3	64	13.8	352	75.9	107	23.1
1-4	1,893	147	7.8	181	9.6	1,564	82.6	328	17.3
5-9	12,886	331	2.6	1,165	9.0	11,386	88.4	1,496	11.6
10-12	30,652	151	0.5	1,341	4.4	29,159	95.1	1,492	4.9
13+	23,889	176	0.7	1,244	5.2	22,467	94.0	1,420	5.9
Unknown	347	21	6.1	43	12.4	281	81.0	64	18.4
Smoked During Pregnancy									
No	60,200	710	1.2	3,084	5.1	56,399	93.7	3,794	6.3
Yes	9,812	154	1.6	948	9.7	8,709	88.8	1,102	11.2
Unknown	119	5	4.2	6	5.0	101	84.9	11	9.2
Type of Delivery									
Vaginal After									
Previous C-Section	1,012	12	1.2	54	5.3	946	93.5	66	6.5
Forceps	879	2	0.2	26	3.0	851	96.8	28	3.2
Other Vaginal	52,322	409	0.8	2,454	4.7	49,450	94.5	2,863	5.5
Primary C-Section	9,521	378	4.0	1,119	11.8	8,020	84.2	1,497	15.7
Repeat C-Section	6,395	68	1.1	385	6.0	5,940	92.9	453	7.1
Live Birth Order									
1	27,714	403	1.5	1,654	6.0	25,653	92.6	2,057	7.4
2	23,004	249	1.1	1,180	5.1	21,575	93.8	1,429	6.2
3	11,574	107	0.9	660	5.7	10,805	93.4	767	6.6
4	4,489	46	1.0	317	7.1	4,123	91.8	363	8.1
5+	3,336	63	1.9	226	6.8	3,047	91.3	289	8.7
Unknown	14	1	7.1	1	7.1	6	42.9	2	14.3
Congenital Anomalies									
No	69,160	835	1.2	3,921	5.7	64,390	93.1	4,756	6.9
Yes	971	34	3.5	117	12.0	819	84.3	151	15.6

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 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 4-6. Number and Percent of Births by Estimated Gestational Age and Birthweight, Wisconsin 2004

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	70,131	33	476	748	3,641	2,805	34,070	14,887	7,908	5,549	14
<500 Grams	112	21	88	3	-	-	-	-	-	-	-
500-999 Grams	346	9	238	71	19	2	4	-	2	1	-
1,000-1,499 Gms	411	1	56	219	110	6	13	3	2	1	-
1,500-1,999 Gms	950	-	9	183	525	67	112	23	13	17	1
2,000-2,499 Gms	3,088	-	17	51	1,104	457	1,157	135	70	96	1
2,500-2,999 Gms	10,505	1	22	51	966	1,022	5,875	1,311	604	652	1
3,000-3,499 Gms	25,636	-	26	90	590	842	13,983	5,453	2,649	2,001	2
3,500-3,999 Gms	21,538	-	16	57	251	337	9,978	5,801	3,134	1,962	2
4,000-4,499 Gms	6,341	-	2	19	61	55	2,493	1,840	1,192	678	1
4,500+ Grams	1,189	-	1	4	14	17	449	321	242	141	-
Unknown	15	1	1	-	1	-	6	-	-	-	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	63.6	18.5	0.4	-	-	-	-	-	-	-
500-999 Grams	0.5	27.3	50.0	9.5	0.5	0.1	0.0	-	0.0	0.0	-
1,000-1,499 Gms	0.6	3.0	11.8	29.3	3.0	0.2	0.0	0.0	0.0	0.0	-
1,500-1,999 Gms	1.4	-	1.9	24.5	14.4	2.4	0.3	0.2	0.2	0.3	7.1
2,000-2,499 Gms	4.4	-	3.6	6.8	30.3	16.3	3.4	0.9	0.9	1.7	7.1
2,500-2,999 Gms	15.0	3.0	4.6	6.8	26.5	36.4	17.2	8.8	7.6	11.7	7.1
3,000-3,499 Gms	36.6	-	5.5	12.0	16.2	30.0	41.0	36.6	33.5	36.1	14.3
3,500-3,999 Gms	30.7	-	3.4	7.6	6.9	12.0	29.3	39.0	39.6	35.4	14.3
4,000-4,499 Gms	9.0	-	0.4	2.5	1.7	2.0	7.3	12.4	15.1	12.2	7.1
4,500+ Grams	1.7	-	0.2	0.5	0.4	0.6	1.3	2.2	3.1	2.5	-
Unknown	0.0	3.0	0.2	-	0.0	-	0.0	-	-	-	42.9

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

Note: Estimated gestational age in weeks is calculated using the date of last normal menses and the date of delivery. Where date of last normal menses is unknown or invalid, i.e., less than 16 weeks or greater than 45 weeks, clinical estimate of gestational age is substituted.

Table 4-7. Number and Percent of Births by Race/Ethnicity of Mother and Birthweight, Wisconsin 2004

Birthweight	Total	White	Black/Afr. American	American Indian	Hispanic/ Latino	Laotian/ Hmong	Other
<i>Number</i>							
Total	70,131	54,217	6,497	1,034	5,915	1,045	1,394
<500 Grams	112	58	37	1	10	3	3
500-999 Grams	346	204	100	5	29	5	3
1,000-1,499 Gms	411	274	78	4	38	7	10
1,500-1,999 Gms	950	672	161	14	74	15	14
2,000-2,499 Gms	3,088	2,184	512	37	238	43	73
2,500-2,999 Gms	10,505	7,316	1,632	147	866	259	280
3,000-3,499 Gms	25,636	19,465	2,454	327	2,369	444	562
3,500-3,999 Gms	21,538	17,632	1,202	357	1,751	228	364
4,000-4,499 Gms	6,341	5,397	281	111	445	34	70
4,500+ Grams	1,189	1,002	40	31	94	7	15
Unknown	15	13	-	-	1	-	-
<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	0.3	0.2
500-999 Grams	0.5	0.4	1.5	0.5	0.5	0.5	0.2
1,000-1,499 Gms	0.6	0.5	1.2	0.4	0.6	0.7	0.7
1,500-1,999 Gms	1.4	1.2	2.5	1.4	1.3	1.4	1.0
2,000-2,499 Gms	4.4	4.0	7.9	3.6	4.0	4.1	5.2
2,500-2,999 Gms	15.0	13.5	25.1	14.2	14.6	24.8	20.1
3,000-3,499 Gms	36.6	35.9	37.8	31.6	40.1	42.5	40.3
3,500-3,999 Gms	30.7	32.5	18.5	34.5	29.6	21.8	26.1
4,000-4,499 Gms	9.0	10.0	4.3	10.7	7.5	3.3	5.0
4,500+ Grams	1.7	1.8	0.6	3.0	1.6	0.7	1.1
Unknown	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 29 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 4-8. Fetal, Neonatal, and Infant Deaths by Selected Characteristics, Wisconsin 2004

	Fetal Deaths (Gestation \geq 20 weeks)		Neonatal Deaths (Age <28 days)		Infant Deaths (Age <1 year)	
	Number	Rate	Number	Rate	Number	Rate
Total	352	5.0	280	4.0	420	6.0
Sex of Infant						
Male	188	5.2	143	4.0	226	6.3
Female	162	4.7	137	4.0	194	5.7
Unknown	2	-	-	-	-	-
Birthweight						
1,499 Grams or Less	211	195.4	200	230.1	231	265.8
1,500-2,499 Grams	57	13.9	44	10.9	60	14.9
2,500+ Grams	77	1.2	34	0.5	127	1.9
Unknown	7	-	2	-	2	-
<u>White Non-Hispanic</u>						
1,499 Grams or Less	225	4.1	168	3.1	245	4.5
1,500-2,499 Grams	135	201.2	113	210.8	123	229.5
2,500+ Grams	39	13.5	28	9.8	36	12.6
Unknown	49	1.0	25	0.5	84	1.7
Unknown	2	-	2	-	2	-
<u>Black Non-Hispanic</u>						
1,499 Grams or Less	64	9.8	79	12.2	125	19.2
1,500-2,499 Grams	45	173.1	65	302.3	82	381.4
2,500+ Grams	8	-	7	-	13	-
Unknown	10	-	7	-	30	5.3
Unknown	1	-	-	-	-	-
Gestational Age (Weeks)						
<37 Weeks	274	34.3	236	30.6	286	37.1
16-31 Weeks	200	137.3	196	155.9	229	182.2
32-35 Weeks	58	15.7	32	8.8	42	11.5
36 Weeks	16	-	8	-	15	-
37-41 Weeks	67	1.2	41	0.7	123	2.2
42-45 Weeks	1	-	3	-	11	-
Unknown	10	-	-	-	-	-
Marital Status						
Married	187	3.9	132	2.8	195	4.1
Unmarried	165	7.4	148	6.7	224	10.1
Unknown	-	-	-	-	1	-
Education of Mother						
Elementary or Less	14	-	12	-	20	7.7
Some High School	53	6.4	41	5.0	82	9.9
High School Graduate	115	5.6	100	4.9	144	7.1
Some College	53	3.1	54	3.2	79	4.7
College Graduate	46	3.7	41	3.3	53	4.3
Post Graduate	23	2.4	25	2.6	34	3.6
Unknown	48	147.2	7	-	8	-

(Continued)

Table 4-8. Fetal, Neonatal, and Infant Deaths by Selected Characteristics, Wisconsin 2004

	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	-	3	-	5	-
15-17	15	-	17	-	27	15.3
18-19	28	6.6	21	5.0	38	9.0
20-24	80	4.9	70	4.3	118	7.2
25-29	89	4.3	73	3.6	104	5.1
30-34	81	4.6	62	3.5	85	4.8
35-39	47	5.9	27	3.4	32	4.0
40+	10	-	7	-	10	-
Unknown	1	-	-	-	1	-
Race of Mother						
White	225	4.1	168	3.1	245	4.5
Black/African American	64	9.8	79	12.2	125	19.2
American Indian	6	-	2	-	6	-
Hispanic/Latino	40	6.7	20	3.4	30	5.1
Laotian/Hmong	1	-	7	-	9	-
Other	14	-	4	-	5	-
Unknown	2	-	-	-	-	-
Trimester Prenatal Care Began						
First	264	4.4	215	3.6	320	5.4
Second	40	4.8	32	3.9	53	6.4
Third	8	-	5	-	13	-
None	10	-	21	45.3	27	58.2
Unknown	30	128.8	7	-	7	-
Number of Prenatal Care Visits						
No Visits	13	-	21	45.3	27	58.2
1-4 Visits	81	41.0	64	33.8	78	41.2
5-9 Visits	124	9.5	82	6.4	114	8.8
10-12 Visits	60	2.0	50	1.6	99	3.2
13+ Visits	35	1.5	55	2.3	94	3.9
Unknown	39	101.0	8	-	8	-
Plurality						
Single Birth	327	4.8	230	3.4	361	5.3
Multiple Birth	25	10.9	50	22.0	59	25.9
Unknown	-	-	-	-	-	-
Smoked During Pregnancy						
No	267	4.4	228	3.8	328	5.4
Yes	84	8.5	50	5.1	89	9.1
Unknown	1	-	2	-	3	-

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 4-9. Selected Birth Rates, Mortality Rates, and Birth Characteristics, Wisconsin 2004 and United States, 2003

Birth Rates	Wisconsin		United States
	Rate		Rate
Crude Birth Rate (births per 1,000 total population)	12.8		14.1
General Fertility Rate (births per 1,000 females ages 15-44)	60.5		66.1
Teen Birth Rate (births per 1,000 females ages 15-19)	30.5	30.0*	41.6
Mortality Rates			
Infant Mortality Rate (infant deaths per 1,000 live births)	6.0		7.0 ⁺
Infant Mortality Rate – Black Non-Hispanic	19.2		13.9 ⁺
Infant Mortality Rate – White Non-Hispanic	4.5		5.8 ⁺
Neonatal Mortality Rate (deaths <28 days of age per 1,000 live births)	4.0		4.7 ⁺
Perinatal Mortality Rate (fetal deaths and deaths <28 days of age per 1,000 live births and fetal deaths)	11.0	5.7**	6.9*** ⁺
Birth Characteristics			
	Percent		Percent
Mother Unmarried	31.6%		34.6%
First-Trimester Prenatal Care	85.1		84.1
Late or No Prenatal Care	2.9		3.5
Maternal Smoking	14.0		10.7
C-Section Delivery	22.7		27.5
Birth Order 4+	11.2		10.8
Low Birthweight	7.0		7.9
Low Birthweight – Black Non-Hispanic	13.7		13.6
Low Birthweight – White Non-Hispanic	6.3%		7.0%

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 2002, the latest available data. The US perinatal mortality rate is cited from National Center for Health Statistics. Health, United States, 2004 With Chartbook on Trends in the Health of Americans. Hyattsville, Maryland: 2004.

+ Rate for 2002, the latest available data

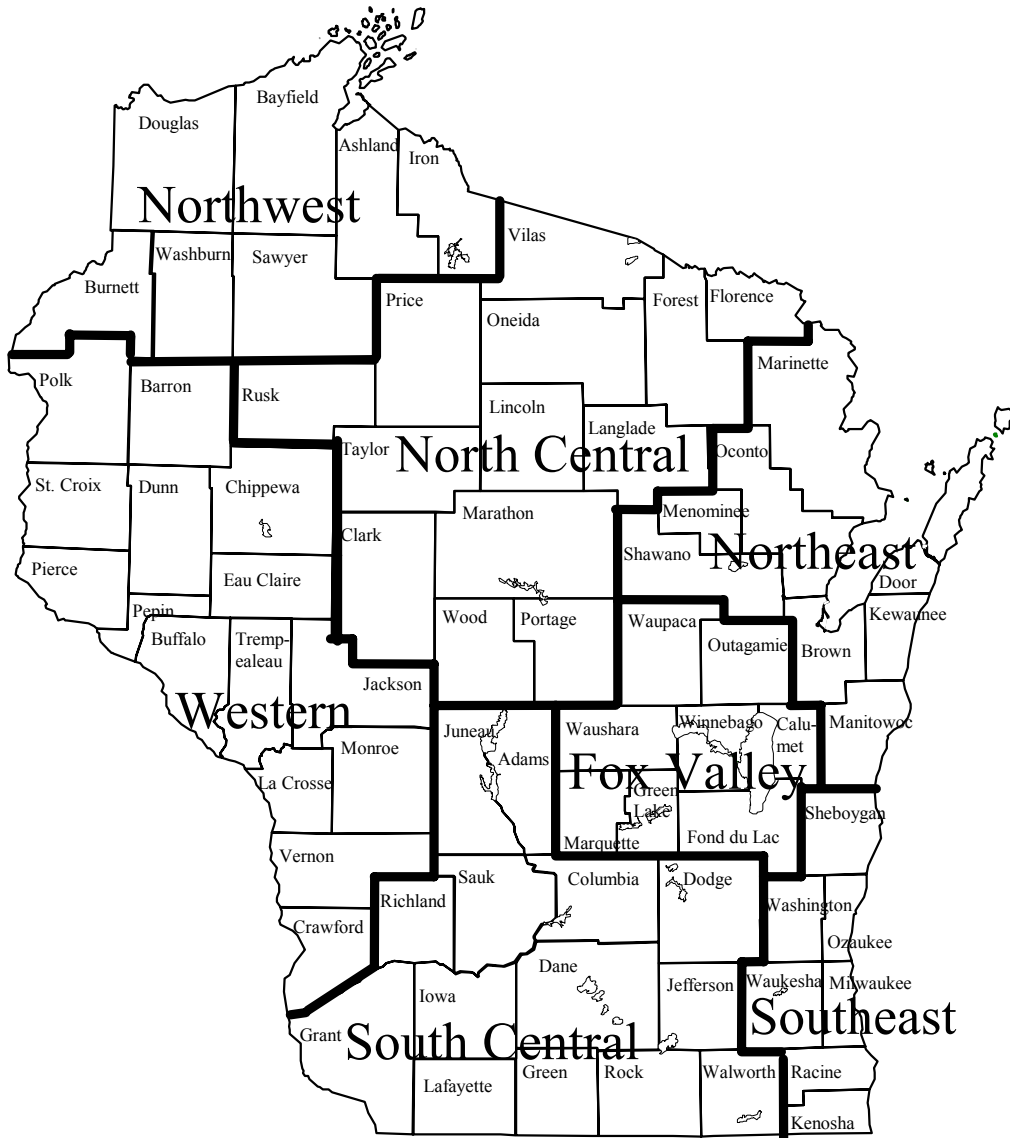
Map 1. Wisconsin Department of Health and Family Services Regions, 2004



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, 2004



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

Note: See Technical Notes (page 104) 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 2002 period linked birth/infant death data set. *National Vital Statistics Reports*, Vol. 53, No. 10. Hyattsville, Maryland: National Center for Health Statistics, 2004.

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. A dvance 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 or invalid or the computed estimate of gestational age is less than 16 weeks or greater than 45 weeks. 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 2004, rather than the mortality experience of the 2004 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 Pages 29 and 30).

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 terminations of pregnancy (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 six deaths in 2004 for which a maternal cause of death was reported on the death certificate. Before 1989, and beginning again in 1994, the Wisconsin 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 for those years. 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 101). 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.