

2008

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# Wisconsin Births and Infant Deaths



Wisconsin Department of Health Services  
Division of Public Health  
Office of Health Informatics



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November 2009

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## Foreword

The Department of Health 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 Services produced this publication, which was prepared in the Office of Health Informatics (formerly the Bureau of Health Information and Policy), Division of Public Health.

In the Office of Health Informatics, staff of the Vital Records Section, Registration and Statistics Unit, collected and compiled the birth, infant death, and fetal death records. Laura Ninneman prepared the report and updated the narrative. Patricia Nametz edited the report. Draft review and comments were provided by Murray Katcher, M.D., Bureau of Community Health Promotion, Division of Public Health. The report was prepared under the supervision of John Kiesow, State Registrar, Vital Records Section, and Jane Kraus, Supervisor, Registration and Statistics Unit.

Additional health-related statistical information for Wisconsin is available through the Internet on the Department of Health Services Web site, at <http://dhs.wisconsin.gov/stats/>. Wisconsin Interactive Statistics on Health (WISH) is a data query system that allows users to obtain birth and other data tailored to their specifications, at <http://dhs.wisconsin.gov/wish/>.

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## Introduction

This report presents information about births that occurred in 2008 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/ethnicity, 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 2008 (and comparative information for 1998); line graphs show time trends, and vary in the years shown for comparison.

Chapter 69 of the Wisconsin Statutes mandates the Department of Health 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 Office of Health Informatics in the Department of Health 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 Office of Health Informatics 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.

### **Wisconsin Births and Infant Deaths, 2008: Special Note**

Due to a data conversion project taking place in Illinois during the production of this report, Illinois was unable to provide complete data on Wisconsin resident infants who died in Illinois.

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## Key Findings

- In 2008, there were 72,002 live births to Wisconsin residents, 755 fewer than in 2007 (72,757).
- The 2008 crude birth rate in Wisconsin was 12.7 births per 1,000 total population, slightly lower than the 2007 rate (12.9). In comparison, the United States crude birth rate for 2006 (latest available data) was 14.2 per 1,000 population. (The crude birth rate is the number of live births per 1,000 total population.)
- The 2008 general fertility rate of 64.2 births per 1,000 Wisconsin females aged 15-44 was lower than the 2006 United States general fertility rate of 68.5 births per 1,000 (see Technical Notes, page 107, for source of U.S. data).
- In 2008, the fertility rate for Wisconsin teens aged 15-19 was 30.9 births per 1,000 females in this age group. This was a decrease from the 2007 rate (32.0). In 2006, the U.S. teen fertility rate was 41.9.
- 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 among Wisconsin women aged 25-29 and 30-34 are higher than the corresponding national rates (see page 5 of this report).
- From 1998 to 2008, the percent of births to women in their teens and early thirties decreased, while the percent of births to women in their twenties increased. The proportion of births to women aged 35 and older remained the same.
- From 1998 to 2008, the proportion of Wisconsin births to non-Hispanic white women decreased from 81 percent to 74 percent, while the proportion of births to Hispanics/Latinos increased from 5 percent to 10 percent. The proportion of births to women in other race/ethnicity groups remained roughly stable, with black/African American women accounting for 10 percent in both 1998 and 2008, American Indian women approximately 1 to 2 percent each year, and women in other groups approximately 3 to 4 percent each year.
- In 2008, 15 percent of Wisconsin women who gave birth had not finished high school, down from 16 percent in 1998. Fifty-six percent of women who gave birth in 2008 had attended college for one year or more, compared to 51 percent in 1998.
- The overall proportion of women who received first-trimester prenatal care was 82 percent in 2008, lower than in 1998 (84%). From 1998 to 2008, the proportion with first-trimester care decreased in all age groups except mothers aged less than 15 and 18-19, among whom it increased. The proportion with first-trimester care increased for blacks/African Americans and Laotians or Hmong, and decreased for whites, American Indians, Hispanics/Latinas, and the “other” race/ethnicity group.
- The proportion of women giving birth who reported they smoked during pregnancy decreased from 18 percent in 1998 to 14 percent in 2008.
- In 2008, 5,051 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, the same as in 2007. In comparison, 8.3 percent of all infants born in the United States in 2006 weighed less than 2,500 grams.



- Among low birthweight infants, 898 (1.2 percent of all births ) 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 1.0 percent of births to whites, 2.8 percent of births to blacks/African Americans, 1.8 percent of births to American Indians, 1.3 percent of births to Hispanics/Latinas and 1.0 percent of births to Laotians or Hmong.
- In 2008, 7,970 Wisconsin infants were born prematurely (with a gestation of less than 37 weeks). This total represented 11.1 percent of all births, the same proportion as in 2007. (See Technical Notes, page 108, for full definition of prematurity.)
- In Wisconsin, 501 infants under the age of one year died in 2008. The 2008 infant mortality rate was 7.0 infant deaths per 1,000 live births, compared to 6.4 in 2007 and 7.2 in 1998. The 2005 U.S. infant mortality rate (the latest available) was 6.9 infant deaths per 1,000 live births.
- The black/African American infant mortality rate for 2008 was 13.8 deaths per 1,000 births to black/African American women, compared to 14.5 in 2007 and 17.9 in 1998. The 2008 white infant mortality rate was 5.9 deaths per 1,000 births to white women, compared to 5.3 in 2007 and 5.6 in 1998. The Hispanic/Latino infant mortality rate for 2008 was 7.0 deaths per 1,000 births to Hispanic/Latina women, compared to 6.4 in 2007 and 11.0 in 1998.
- Based on three-year rolling average infant mortality rates (Figure 22), American Indian infant mortality has dropped markedly since 1986. The rate was 16.7 per 1,000 live births in 1986-1988 and 10.1 per 1,000 in 2006-2008. The black/African American infant mortality rate has remained much higher than the rate for other populations in Wisconsin for at least two decades. The three-year average rate was 17.5 per 1,000 live births in 1986-1988, and 15.2 in 2006-2008. The Hispanic/Latino infant mortality rate fluctuated. It was 8.0 per 1,000 live births in 1986-1988 and 6.5 per 1,000 in 2006-2008. Total infant mortality and white infant mortality declined gradually over the 1986-2008 period.
- The black-white disparity ratio for infant mortality increased from 2.2 in 1990-1992 to a high of 3.5 in 2002-2004. Since 2002-2004, the black-white disparity ratio for infant mortality has decreased. The black/African American infant mortality rate was 2.8 times the white rate in 2006-2008 (Figure 23).

**Ten Most Popular First Names for Newborns  
Wisconsin 2008**

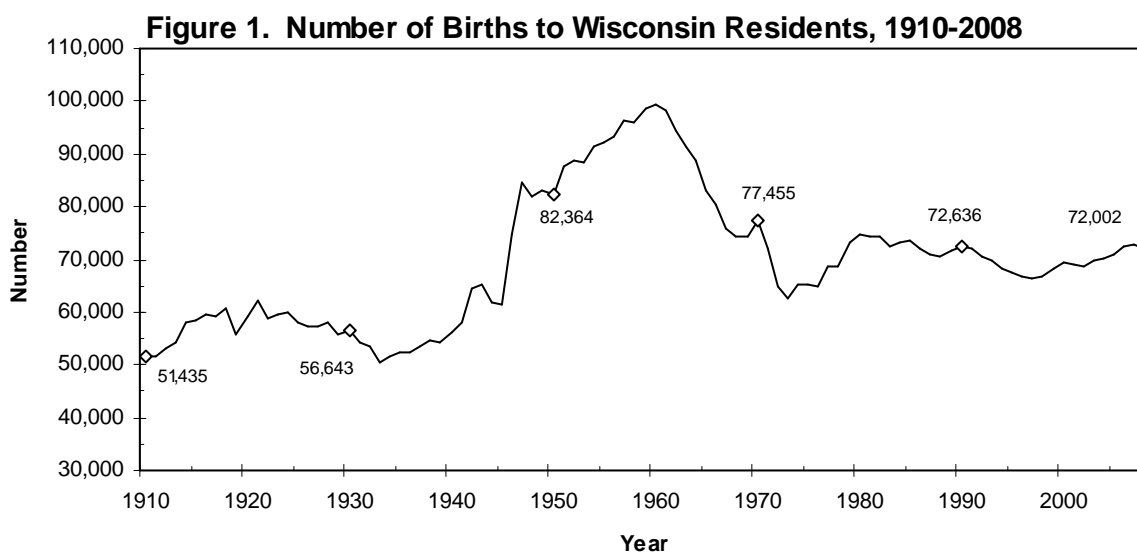
<b>Females</b>	<b>Males</b>
1. Ava	1. Ethan
2. Olivia	2. Mason
3. Emma	3. Jacob
4. Sophia	4. Logan
5. Isabella	5. Benjamin
6. Ella	6. Alexander
7. Emily	7. Aiden
8. Abigail	8. Gavin
9. Addison	9. Noah
10. Grace	10. William

Source: Office of Health Informatics, Division of Public Health, Department of Health 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 2008 there were 72,002 births to Wisconsin residents, 755 fewer than in 2007 (Figure 1).
- The 2008 crude birth rate was 12.7 births per 1,000 population (Table 2-1), compared to 12.9 in 2007. In comparison, the United States crude birth rate for 2006 was 14.2 births per 1,000 population. (The crude birth rate is the number of live births per 1,000 total population.)
- The 2008 general fertility rate of 64.2 births per 1,000 Wisconsin females ages 15-44 (Table 2-1) was slightly lower than the 2007 rate (64.5). In comparison, the United States general fertility rate for 2006 was 68.5 births per 1,000.



Source: Office of Health Informatics, Division of Public Health, Department of Health 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 2006 final statistics (Table 1-1). (See Technical Notes, page 107, for source of U.S. data.)

**Table 1-1. Age-Specific Fertility Rates, Wisconsin, 2008 and United States, 2006**

Age	Wisconsin Rate	U.S. Rate
10-14	0.4	0.6
15-19	30.9	41.9
15-17	15.4	22.0
18-19	53.4	73.0
20-24	86.5	105.9
25-29	121.8	116.7
30-34	104.2	97.7
35-39	42.3	47.3
40-44	7.6	9.4
45-49	0.4	0.6

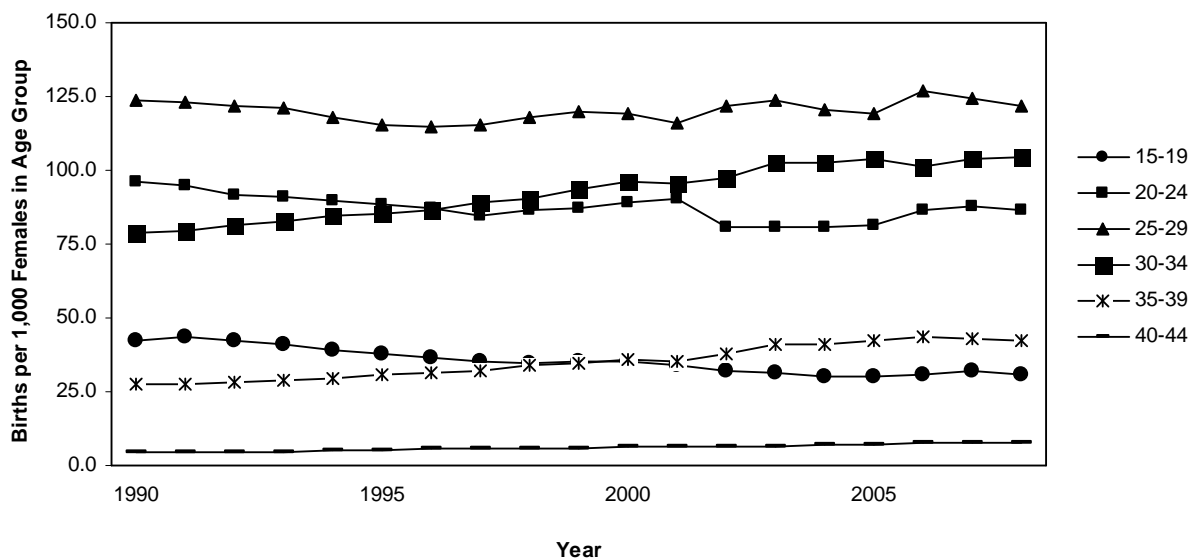
Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: Rates are the number of births per 1,000 females in the age group. See Technical Notes (page 107) for an explanation of birth rate calculations.

- Compared with 1990 (Figure 2), age-specific fertility rates in 2008 were:

- Lower for teens and women in their early twenties.
- Higher for women aged 25-plus.

**Figure 2. Age-Specific Fertility Rates, Wisconsin, 1990-2008**

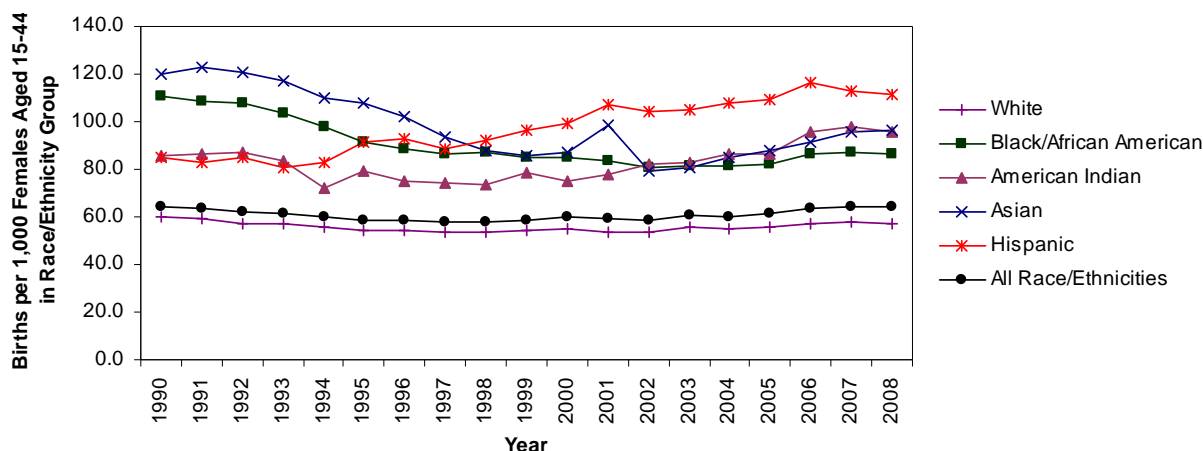


Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: Rates are the number of births per 1,000 females in the age group. See Technical Notes (page 107) for an explanation of birth rate calculations.

- Race/ethnicity-specific birth rates (births per 1,000 females aged 15-44 in a race/ethnicity group) have decreased since 1990 for non-Hispanic whites, blacks/African Americans, and Asians.
- The overall birth rate (also called the general fertility rate) in 2008 was similar to the rate in 1990 (64.2 vs. 64.5 per 1,000 females aged 15-44).
- The black/African American and Asian birth rates decreased dramatically. The black/African American rate decreased from 110.5 births per 1,000 black/African American females aged 15-44 in 1990 to 86.6 per 1,000 in 2008, a decline of 22 percent. The Asian birth rate decreased 19 percent, from 119.7 to 96.6 per 1,000 Asian females aged 15-44.
- Since 1990, the white birth rate decreased from 60.2 to 57.4 per 1,000 white females aged 15-44.
- The American Indian birth rate stayed fairly stable during the 1990s, then began gradually increasing. In 2008, the rate was 95.4 per 1,000 American Indian females aged 15-44 (85.7 in 1990).
- In contrast to trends in most other groups, the Hispanic/Latina birth rate has steadily increased since 1990. In 2008, the Hispanic/Latina birth rate was 111.2 per 1,000 Hispanic/Latina females aged 15-44 (85.1 in 1990).

**Figure 3. Birth Rates by Race/Ethnicity, 1990-2008**



Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

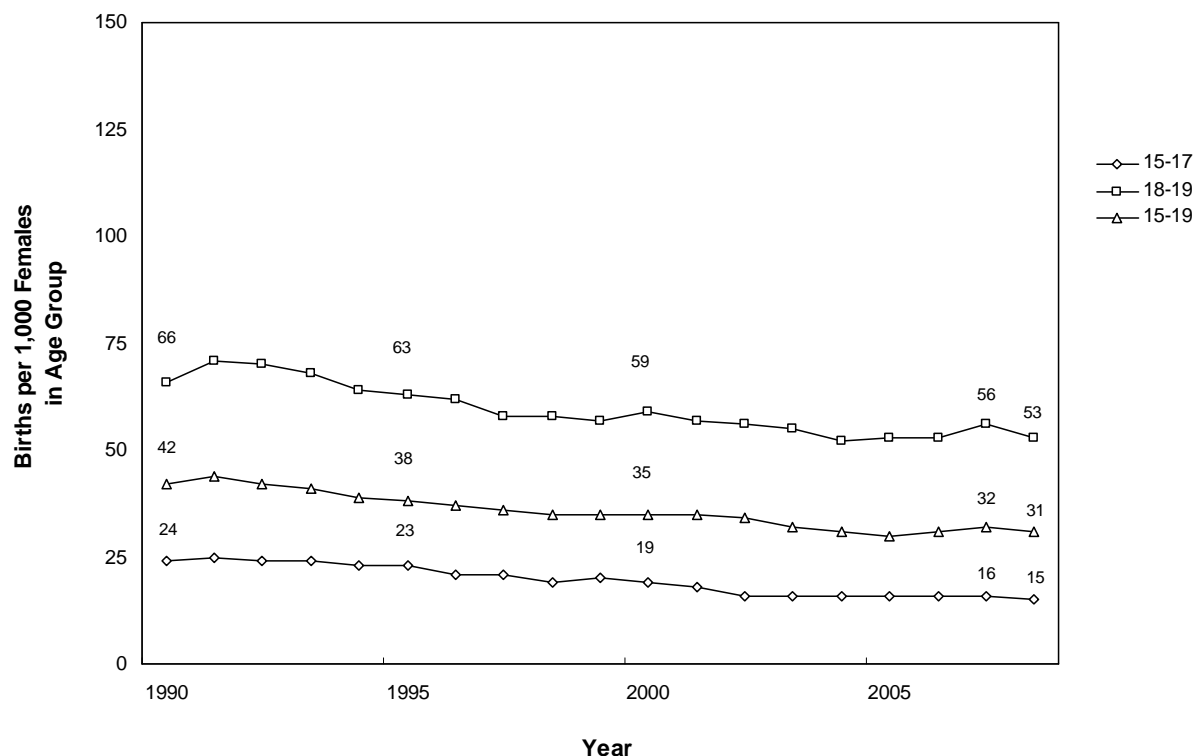
Notes: See Technical Notes (page 107) for definition of race/ethnicity categories. Birth rates for Wisconsin females by race are based on bridged race estimates from the US Census Bureau. Because individuals could report more than one race for the first time during the 2000 Census, rates for earlier years are not directly comparable to those for 2000 and later.

Population estimates, especially in relatively small and fast-growing populations, become less reliable with every year that passes after the Census on which they are based. This can affect the reliability of rates for some populations. Rates by race/ethnicity in the latter half of the decade should thus be viewed with caution.

These rates may not match previously published rates due to updates in the population estimates by race/ethnicity.

- In 2008, the fertility rate for Wisconsin teens aged 15-19 was 30.9 births per 1,000 females in this age group (Figure 2). The rate in 2007 was 32.0. The teen fertility rate generally declined nationally and in Wisconsin after 1990.
- For many years the Wisconsin teen fertility rate has been lower than the comparable national rate. In 2006, the U.S. teen fertility rate was 41.9.

**Figure 4. Teen Birth Rates, Wisconsin, 1990-2008**



Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: Fertility rates are the number of births per 1,000 females in the age group. See Technical Notes (page 107) for an explanation of birth rate calculations.

## Characteristics of the Mother

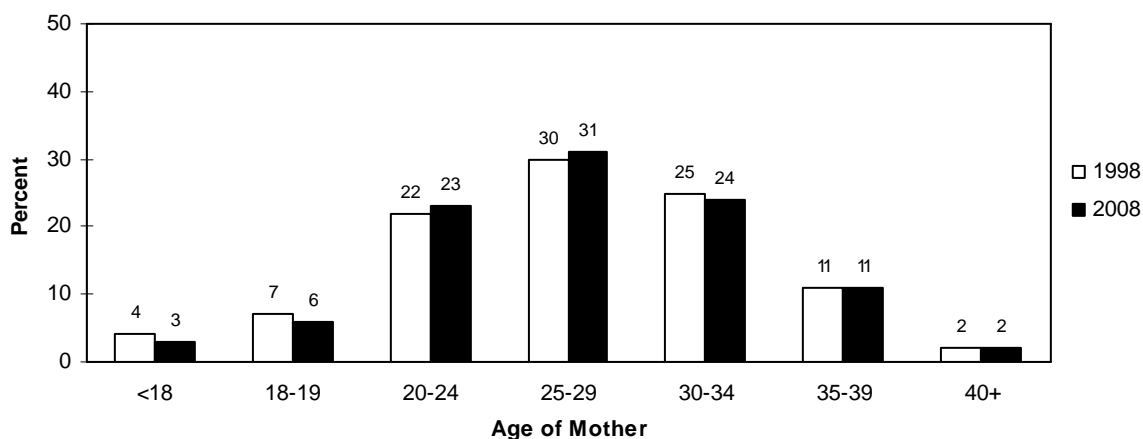
### Age of Mother

Births in 2008 included:

76	births to teens less than 15 years old
1,783	births to teens 15-17 years old
4,237	births to teens 18-19 years old
16,828	births to women aged 20-24
22,383	births to women aged 25-29
17,381	births to women aged 30-34
7,653	births to women aged 35-39
1,533	births to women aged 40-44
103	births to women aged 45 or older
25	births with unreported maternal age.

- From 1998 to 2008, the percent of births to women in their teens and early thirties decreased, while the percent of births to women in their twenties increased. The proportion of births to women aged 35 and older remained the same (Figure 5).

**Figure 5. Percent of Births by Age of Mother, Wisconsin, 1998 and 2008**



Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: For detailed information on 2008 births by age of mother, see Tables 4-1 and 4-2, pages 92 and 93.

## 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 1998 (Table 1-2).

**Table 1-2. Teen Births by Age, Wisconsin, 1998 and 2008**

Maternal Age (Teens)	1998		2008	
	Number	Percent	Number	Percent
<15	111	2%	76	1%
15-17	2,366	34	1,783	29
18-19	4,570	65	4,237	70
Total <20	7,047	100%	6,096	100%

Source: Office of Health Informatics, Division of Public Health, Department of Health 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 (2,974 in 2008) (Table 1-3).
- Teen births represented 8.5 percent of all births, and a higher proportion of births to blacks/African Americans, American Indians, Hispanics/Latinas, and Laotians or Hmong (Table 1-3).

**Table 1-3. Teen Births by Race/Ethnicity, Wisconsin, 2008**

Race/Ethnicity	Number of Births		Percent of Births		
	Total	Teens (<20)	Teens (<20)	Ages 20+	Total
<b>Total</b>	<b>72,002</b>	<b>6,096</b>	<b>8.5%</b>	<b>91.5%</b>	<b>100.0%</b>
White	53,561	2,974	5.6	94.4	100.0
Black/African American	7,236	1,586	21.9	78.1	100.0
American Indian	1,144	228	19.9	80.1	100.0
Hispanic/Latino	7,025	1,019	14.5	85.5	100.0
Laotian or Hmong	1,356	230	17.0	83.0	100.0
Other Asian	1,620	50	3.1	96.9	100.0

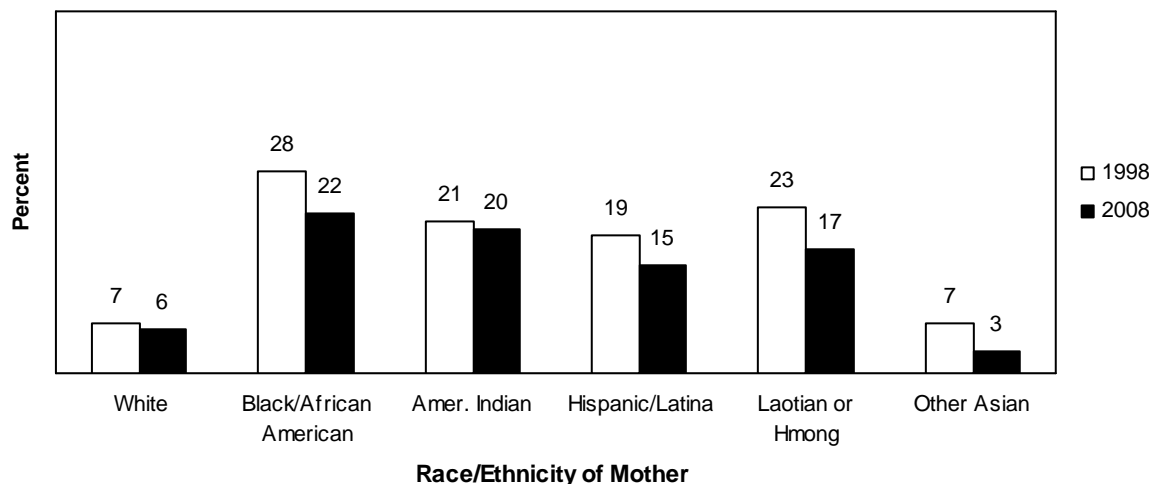
Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: Included in the total are 60 births for which race/ethnicity of mother was not reported; 9 of these were to mothers under 20 years of age. See Technical Notes (page 107) for definition of race/ethnicity categories.



- In 2008 compared to 1998, teen births represented a smaller proportion of births in all race/ethnicity groups. The largest declines in the teen birth percentage occurred among blacks/African Americans and Laotian or Hmong. Teen births made up 22 percent of black/African American births in 2008, compared to 28 percent in 1998 (Figure 6). Teen births made up 17 percent of Laotian or Hmong births in 2008, compared to 23 percent in 1998.

**Figure 6. Teen Births as a Percent of Total Births in Each Race/Ethnicity Group, Wisconsin, 1998 and 2008**



Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: See Technical Notes (page 107) for definition of race/ethnicity categories.

- In 2008, 10 percent of teen births occurred less than 24 months since a previous birth. Six 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, 2008**

Birth Interval	All Ages	All Teens (<20)	<18	18-19	All Ages	All Teens (<20)	<18	18-19
<b>Total</b>	<b>72,002</b>	<b>6,096</b>	<b>1,859</b>	<b>4,237</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>
First Birth	28,275	4,988	1,703	3,285	39.3	81.8	91.6	77.5
1-11 Months	649	78	19	59	0.9	1.3	1.0	1.4
12-17 Months	3,924	303	54	249	5.4	5.0	2.9	5.9
18-23 Months	6,349	252	36	216	8.8	4.1	1.9	5.1
24-Plus Months	29,872	380	34	346	41.5	6.2	1.8	8.2
Unknown	1,773	43	3	40	2.5	0.7	0.2	0.9
Plural Delivery	1,160	52	10	42	1.6	0.9	0.5	1.0

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: Included in the total for all ages are 25 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 order. 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 2008, 53,561 births (74.4%) were to non-Hispanic white women (Table 1-5). This percentage has gradually declined in recent decades (it was 81.0% in 1998).
- 7,236 births (10.0%) were to non-Hispanic black/African American women (Table 1-5). The percent of births to black/African American women has been fairly stable since 1998.
- 1,144 births (1.6%) were to American Indian women (Table 1-5). This percent has been stable for the past decade.
- 7,025 births (9.8%) were to Hispanic/Latina women (Table 1-5). This is almost double the percent of Hispanic/Latina births in 1998 (5.4%).
- 1,356 births (1.9%) were to Laotian or Hmong women, similar to the 1998 percentage (1.5%).
- An additional 1,620 births (2.2%) were to women in other Asian groups (such as Chinese, Japanese, and Korean.)

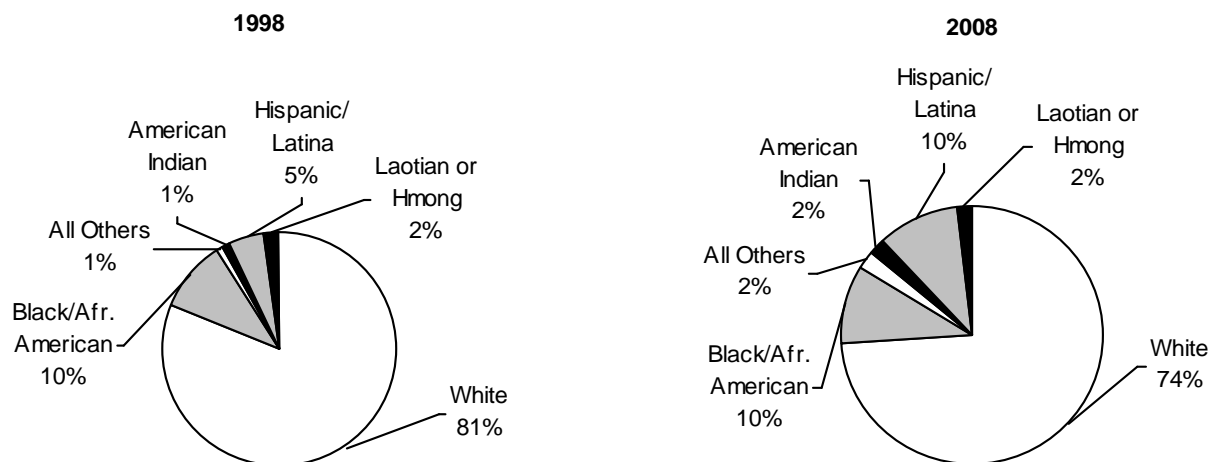
**Table 1-5. Number and Percent of Births by Race/Ethnicity, Wisconsin, 1998 and 2008**

	1998		2008	
	Number	Percent	Number	Percent
<b>Total</b>	<b>67,379</b>	<b>100.0%</b>	<b>72,002</b>	<b>100.0%</b>
White	54,598	81.0	53,561	74.4
Black/African American	6,480	9.6	7,236	10.0
American Indian	829	1.2	1,144	1.6
Hispanic/Latino	3,633	5.4	7,025	9.8
Laotian or Hmong	1,037	1.5	1,356	1.9
Other Asian	795	1.2	1,620	2.2
Unknown	7	0.0	60	0.1

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: The “other Asian” category includes all Asian groups other than Laotian or Hmong; in 2008 it also includes seven births to Hawaiians.

**Figure 7. Percent of Births by Race/Ethnicity of Mother, Wisconsin, 1998 and 2008**



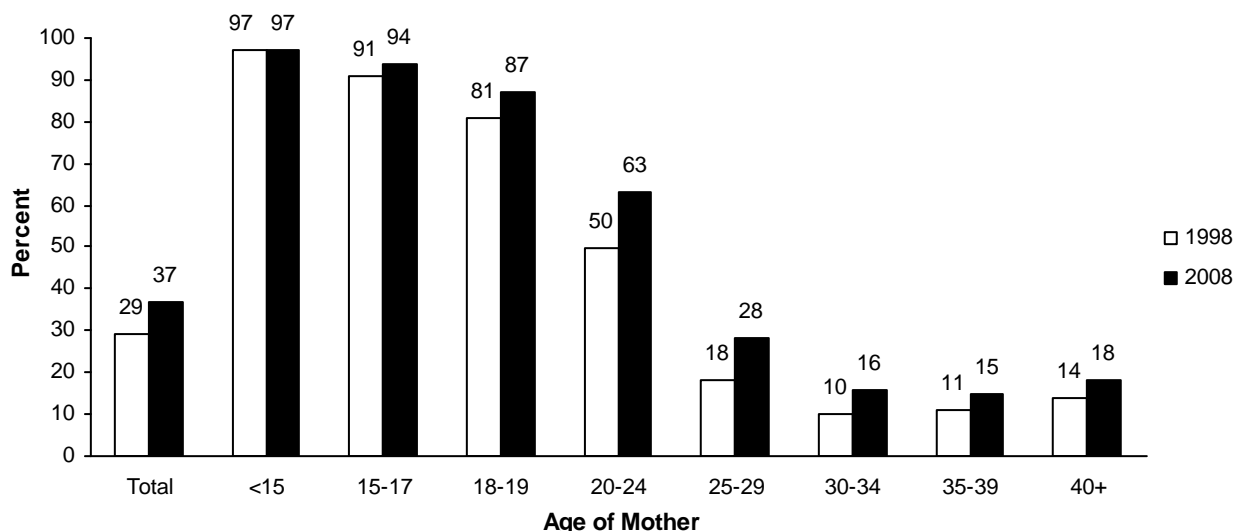
Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: See Technical Notes (page 107) for definition of race/ethnicity categories. For detailed information on 2008 births by race/ethnicity of mother, see Tables 4-3 and 4-4, pages 94-97. Percents may not add to 100 due to rounding.

## Marital Status of Mother

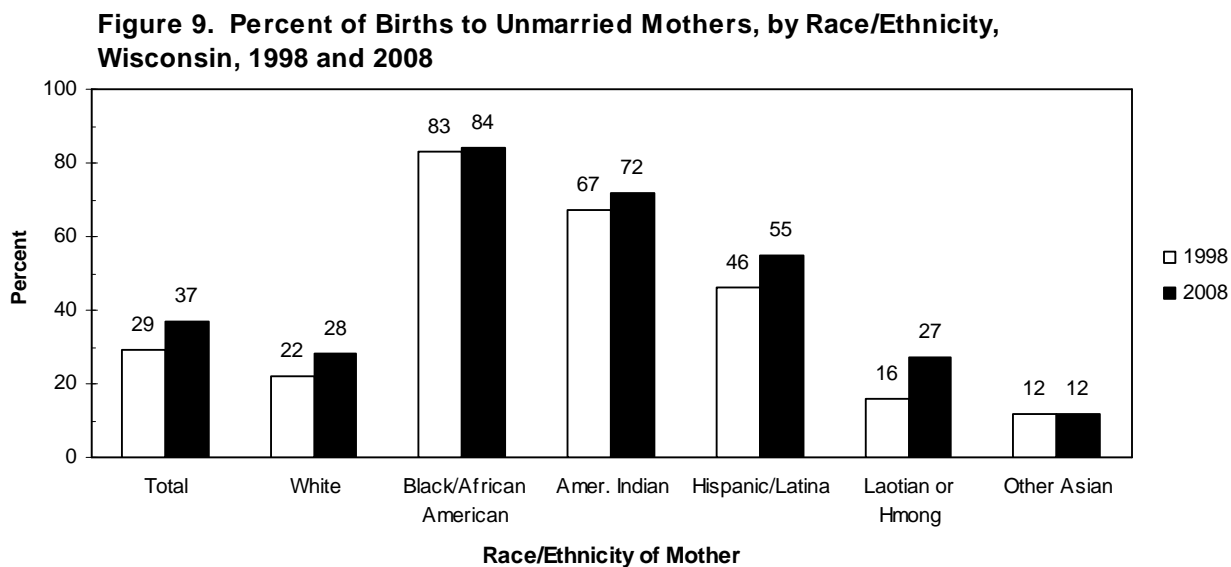
- In 2008, 37 percent of births were to unmarried women, compared with 29 percent in 1998 (Figure 8).
- In general, the percent of births to mothers who are unmarried decreases with age. Eighty-seven percent of women aged 18-19 who gave birth in 2008 were unmarried, compared with 15 percent of women aged 35-39 who gave birth (Figure 8).
- Between 1998 and 2008, the unmarried percentage increased in every maternal age group except mothers under 15 years old (Figure 8). The largest increase occurred among mothers aged 20-24 (from 50% to 63%—13 percentage points).

**Figure 8. Percent of Births to Unmarried Mothers, by Age, Wisconsin, 1998 and 2008**



Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

- From 1998 to 2008, the percent of non-marital births increased in all race/ethnicity groups except Other Asians (Figure 9).
- Wisconsin's overall percent of births to unmarried mothers in 2008 (37%) was lower than the national percent in 2006 (39%). However, the percent of births to unmarried mothers was higher in Wisconsin than nationally among whites (28% vs. 27%), blacks/African Americans (84% vs. 71%) and Hispanics/Latinas (55% vs. 50%).



Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: See Technical Notes (page 107) for definition of race/ethnicity categories.

## Education of Mother

- In 2008, 15 percent of Wisconsin women who gave birth had not finished high school, compared to 16 percent in 1998 (Figure 10). By age, the percentages with less than a high school education in 2008 were:

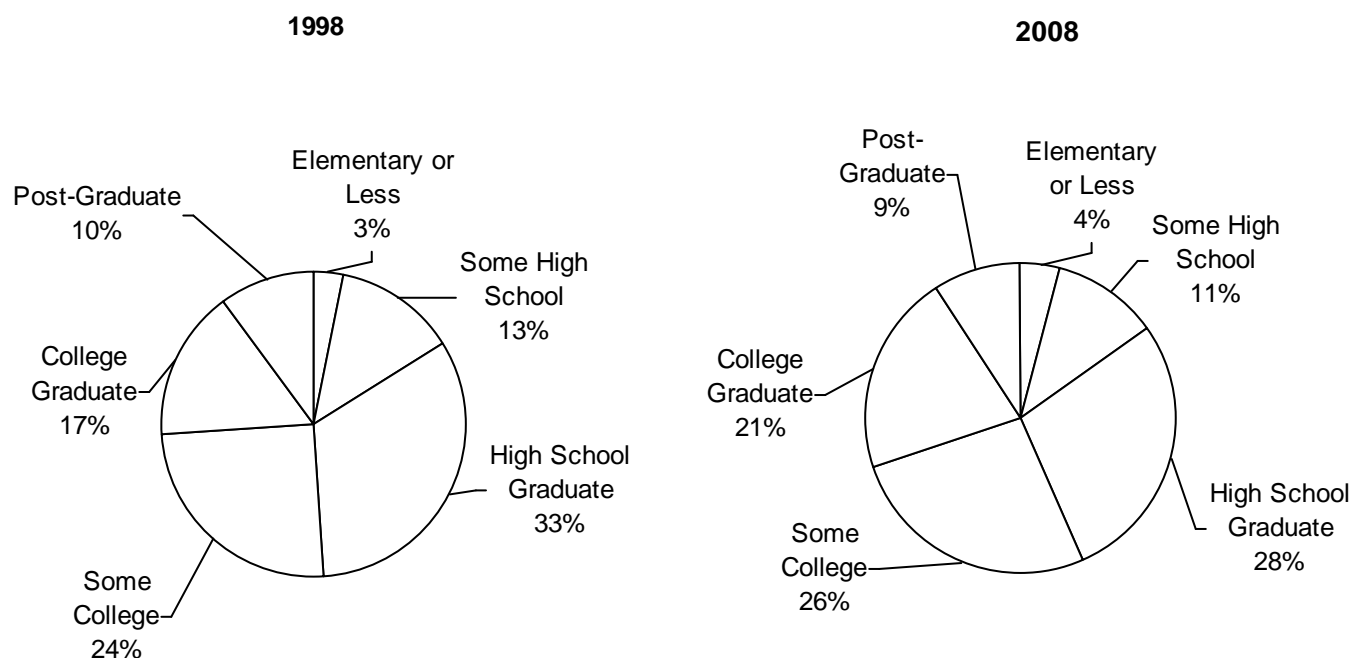
91%	among mothers less than 18
34%	among mothers 18-19
19%	among mothers 20-24
10%	among mothers 25-29
8%	among mothers 30-34
7%	among mothers 35-39
12%	among mothers 40 or older

- On average, mothers in minority race/ethnicity groups were less likely to have completed high school. In 2008, the proportions of births to women with less than a high school education were:

8%	among whites
29%	among blacks/African Americans
24%	among American Indians
49%	among Hispanics/Latinas
28%	among Laotian or Hmong
7%	among other Asian groups

- Fifty-six percent of women who gave birth in 2008 had attended college for one year or more (Figure 10). The comparable percentage in 1998 was 51 percent.

**Figure 10. Percent of Births by Education of Mother, Wisconsin, 1998 and 2008**



Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

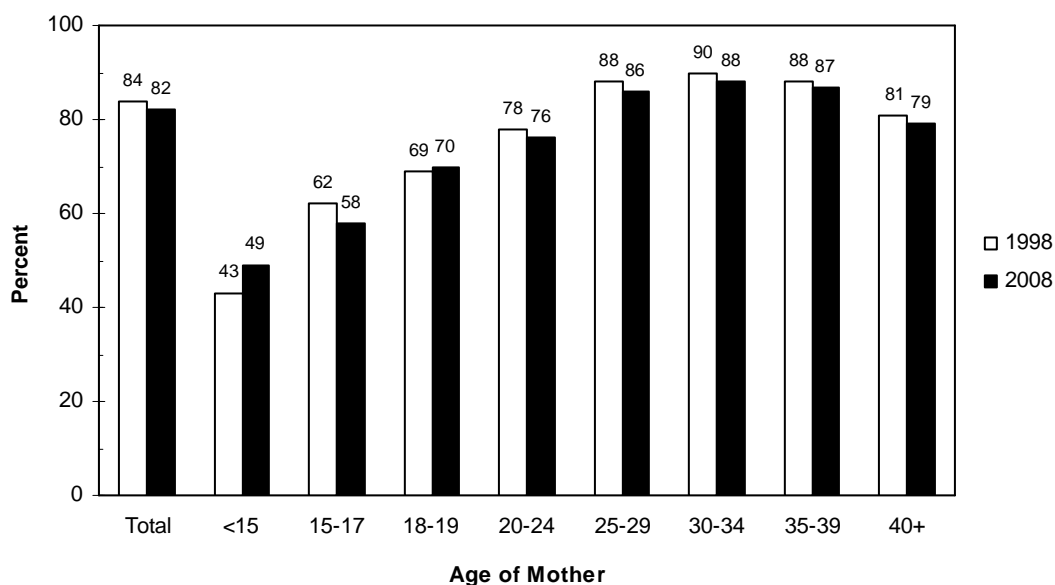
Notes: “Some High School” or “Some College” means the mother completed at least one year of schooling at that level. For detailed information on 2008 births by education of mother, see Tables 4-1 through 4-5, pages 92-99. Percents may not add to 100 due to rounding.

## Characteristics of the Pregnancy and Delivery

### Prenatal Care

- The overall proportion of women who received first-trimester prenatal care was 82 percent in 2008, compared to 84 percent in 1998 (Figure 11).
- In 2,290 births in 2008, the mother either did not begin prenatal care until the third trimester of pregnancy (1,725 births) or received no care at all (565 births) (Table 2-22). These births with “late or no prenatal care” constituted 3.4 percent of all births (the same percentage as in 1998).
- Patterns of prenatal care initiation by age were similar in 1998 and 2008 (Figure 11).
- The percent of Wisconsin women who received first-trimester prenatal care in 2008 (82%) was lower than the 2006 national figure (83%).

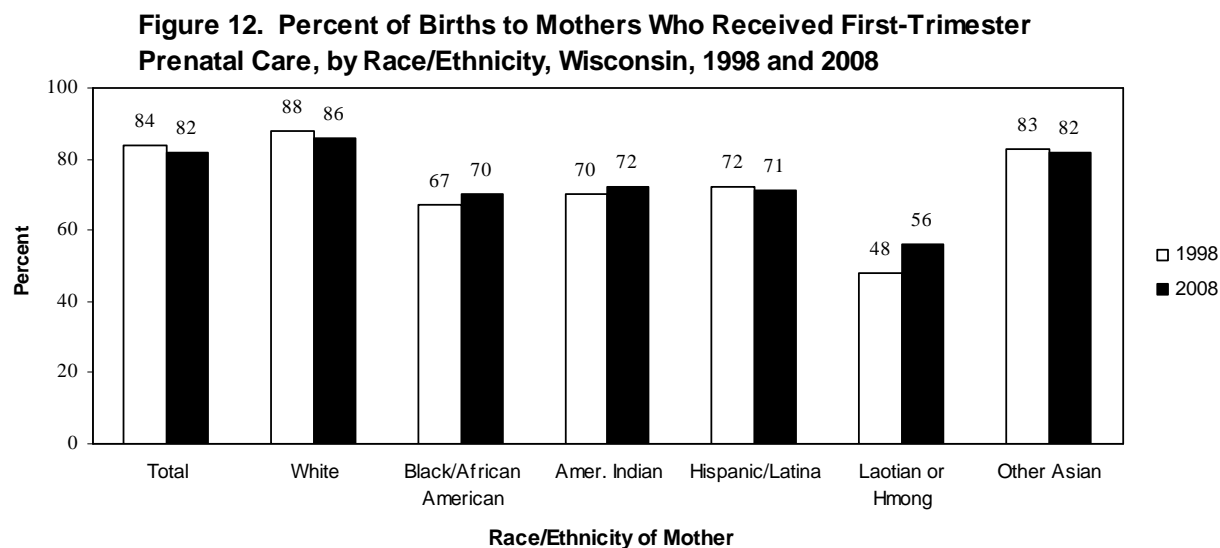
**Figure 11. Percent of Births to Mothers Who Received First-Trimester Prenatal Care, by Age, Wisconsin, 1998 and 2008**



Source: Office of Health Informatics, Division of Public Health, Department of Health Services.



- From 1998 to 2008, the proportion of women receiving first-trimester care increased for blacks/African Americans, American Indians, and Laotians or Hmong. The increase was especially striking among Laotian and Hmong women (Figure 12).



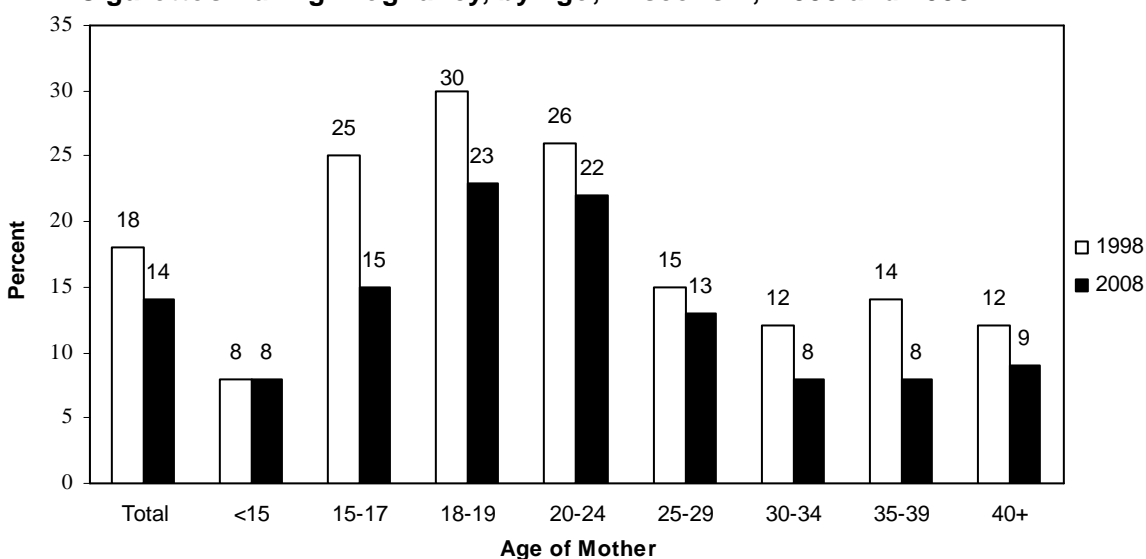
Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: See Technical Notes (page 107) 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 18 percent of births in 1998 to 14 percent of births in 2008 (Figure 13).
- From 1998 to 2008, smoking during pregnancy declined in each maternal age group except mothers aged less than 15 (Figure 13).

**Figure 13. Percent of Births to Mothers Who Reported Smoking Cigarettes During Pregnancy, by Age, Wisconsin, 1998 and 2008**

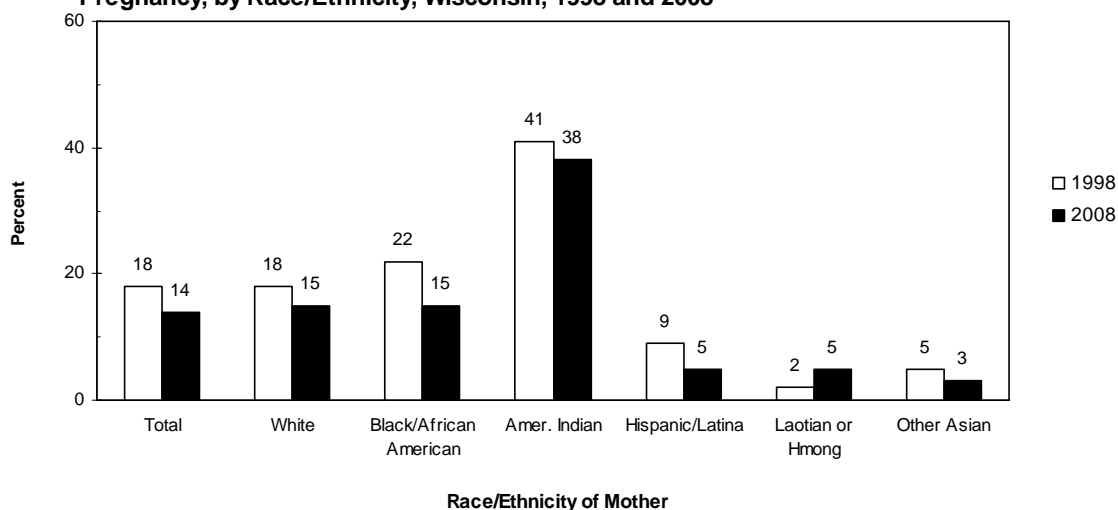


Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: For detailed information on 2008 births by smoking behavior during pregnancy, see Tables 4-1 through 4-5, pages 92-99.

- From 1998 to 2008, the percentage of mothers who reported smoking during pregnancy declined in most race/ethnicity groups (Figure 14). The only exception was found among Laotian or Hmong women.
- 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 (0.7% of new mothers reported drinking during pregnancy in 2008) and the 2008 Behavioral Risk Factor Survey (68% of Wisconsin women aged 18-44 reported drinking within the past month).

**Figure 14. Percent of Births to Mothers Who Reported Smoking Cigarettes During Pregnancy, by Race/Ethnicity, Wisconsin, 1998 and 2008**



Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: See Technical Notes (page 107) for definition of race/ethnicity categories. For detailed information on 2008 births by smoking behavior during pregnancy, see Tables 4-1 through 4-5, pages 92-99.

## Medical Risk Factors

The most frequently reported maternal medical risk factors reported for 2008 births were sexually transmitted diseases (reported in 6.7 percent of births), hypertension (6.3 percent), lung disease (5.6 percent), diabetes (4.6 percent), a previous preterm or small-for-gestational age infant (4.5 percent), anemia (3.7 percent) and a previous infant weighing 4,000+ grams at birth (3.2 percent) (Table 1-6).

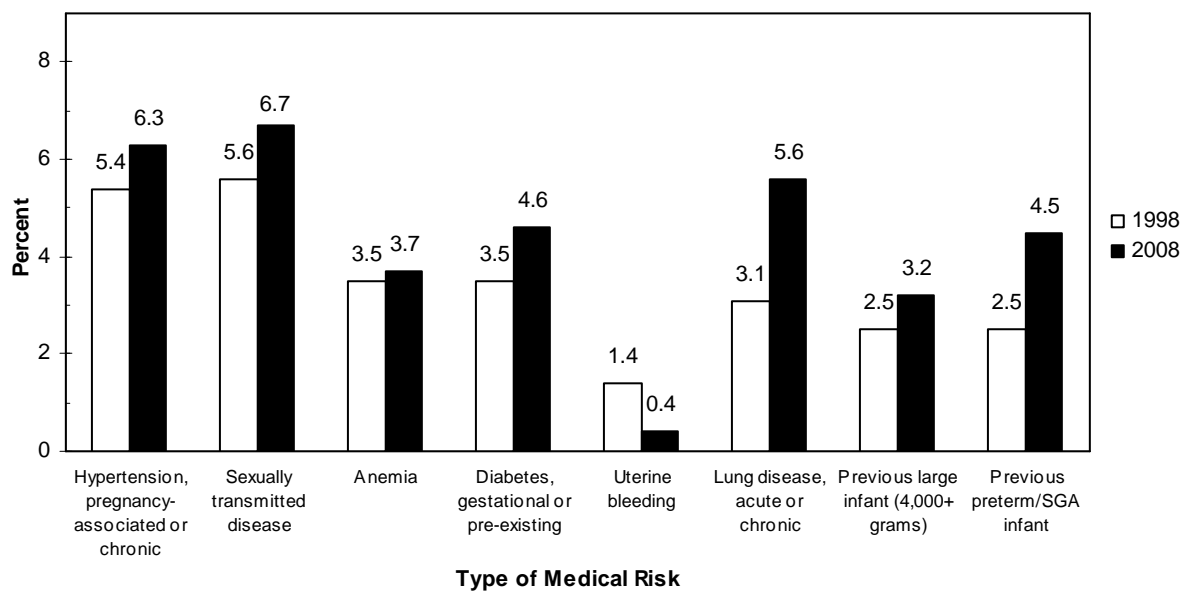
**Table 1-6. Births with Reported Medical Risk Factors, Wisconsin, 2008**

	Number	Percent
Sexually Transmitted Diseases	4,833	6.7
Hypertension	4,528	6.3
Pregnancy-Associated	3,626	5.0
Chronic	902	1.3
Diabetes	3,334	4.6
Gestational	2,855	4.0
Pre-Existing	479	0.7
Anemia	2,632	3.7
Lung Disease, Acute or Chronic	4,051	5.6
Previous Preterm/Small-for-Gestational-Age Infant	3,223	4.5
Previous Large Infant (4,000+ grams)	2,289	3.2
Uterine Bleeding	313	0.4
Cardiac Disease	538	0.7
Hydramnios/Oligohydramnios	1,041	1.4
Renal Disease	570	0.8
Rh Sensitization	519	0.7
Eclampsia	108	0.1
Incompetent Cervix	347	0.5
Hemoglobinopathy	243	0.3
Any Reported	35,098	48.7

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: See Technical Notes (page 109) 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 15. Percent of Births with Selected Maternal Medical Risk Factors, Wisconsin, 1998 and 2008**



Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

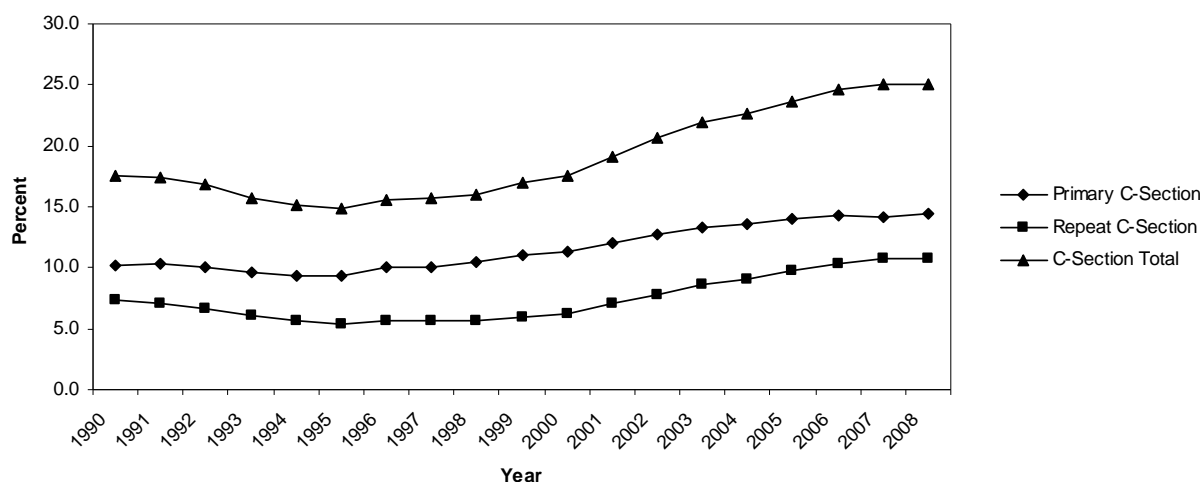
## Methods of Delivery

In 2008, the following methods of delivery were reported:

Vaginal (no previous C-section)	52,169	72.5%
Primary C-Section	10,359	14.4
Repeat C-Section	7,748	10.8
Vaginal After Previous C-Section (VBAC)	1,077	1.5
Forceps	649	0.9
Other	0	0.0
Total Births	72,002	100.0%

- The overall percent of cesarean sections increased from 17.6 percent of births in 1990 to 25.1 percent in 2008. The cesarean section percentage was at its lowest point in 1995 (14.8%) and has increased most years since then.
- Primary cesarean sections increased from 10.2 percent of births in 1990 to 14.4 percent in 2008.
- Repeat cesarean sections increased from 7.3 percent of births in 1990 to 10.8 percent in 2008.

**Figure 16. Cesarean Sections as a Percent of All Births, 1990-2008**



Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

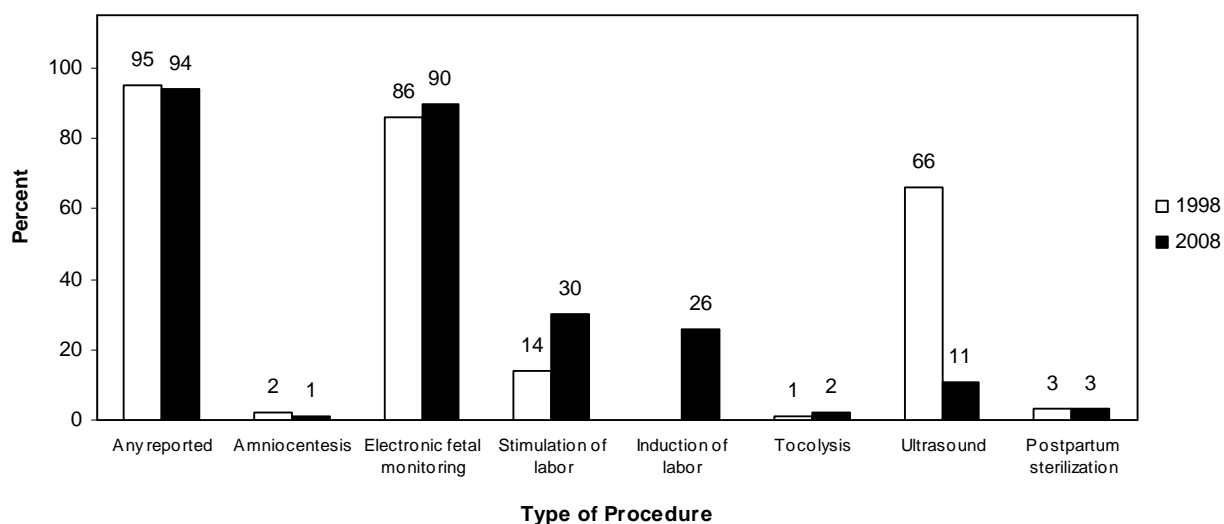
## Obstetric Procedures

In 2008, births with reported obstetric procedures included:

Electronic fetal monitoring	65,157	90.5%
Ultrasound	7,915	11.0
Induction of labor	18,392	25.5
Stimulation of labor	21,530	29.9
Amniocentesis	672	0.9
Postpartum sterilization	2,120	2.9
Tocolysis	1,698	2.4
Other procedures	7	0.0
Births With Reported Procedure(s)	67,563	93.8

Notes: See Technical Notes (page 110) for definitions of obstetric procedures. Each birth could have more than one type of procedure reported.

**Figure 17. Percent of Births with Obstetric Procedures Reported, Wisconsin, 1998 and 2008**



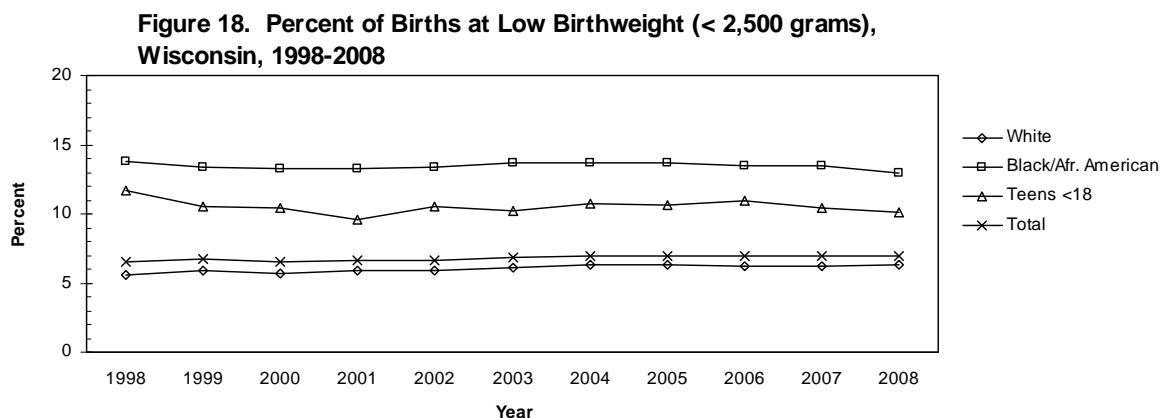
Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: No data is presented on induction of labor in 1998 because coding and reporting processes were being modified for this data item to address statistical discrepancies.

## Characteristics of the Newborn

### Low Birthweight

- In 2008, 5,051 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 7.0 percent in 2007). In comparison, 8.3 percent of all infants born in the United States in 2006 weighed less than 2,500 grams. The low birthweight percentage in Wisconsin was 6.3 percent among births to whites, 13.0 percent among births to blacks/African Americans, 8.0 percent among births to American Indians, 6.3 percent among births to Hispanics/Latinos, 7.0 percent among Laotians and Hmong, and 6.9 percent among other Asians (Table 4-5).
- Among these low birthweight infants, 898 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, 2.8 percent of births to blacks/African Americans, 1.8 percent of births to American Indians, 1.3 percent of births to Hispanics/Latinos, and 1.0 percent of births to Laotians or Hmong (Table 4-5).
- Compared with the overall incidence of low birthweight in 2008 (7.0 percent), higher percentages of low-birthweight infants were born to (Table 4-5):
  - Mothers who received no prenatal care (24.2 percent),
  - Non-Hispanic black/African American women (13.0 percent),
  - Women who smoked during pregnancy (10.9 percent),
  - Mothers less than 15 years old (13.2 percent),
  - Women who were unmarried (9.4 percent),
  - Women with less than a high school education (8.6 percent).
- The low birthweight percentage among infants born to mothers less than 18 years of age was 10.1 percent (compared with 6.9 percent 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 25.2 percent of all low-birthweight births in 2008.



Source: Office of Health Informatics, Division of Public Health, Department of Health Services.



- Three-year rolling average low birthweight percentages provide stable points of comparison to examine the low birthweight disparity in black/African American births over time. In the three-year period 2006-2008, 13.3 percent of black/African American infants and 6.2 percent of white infants weighed less than 2,500 grams or about 5.5 pounds at birth. The disparity ratio was 2.1, meaning that black/African American infants were born at low birthweight twice as frequently as white infants during the 2006-2008 period.
- The disparity between black/African American and white low birthweight rates has lessened since 1990-1992 (from 2.6 to 2.1), not because the black/African American low birthweight rate has improved but because the white low birthweight rate has increased.
- The disparity between black/African American and white infants is even greater for very low birthweight (less than 1,500 grams or about 3.3 pounds at birth). Infants born at these weights are at the highest risk of dying or experiencing other poor health outcomes. In 2006-2008, black/African American infants were nearly three times as likely to be born at very low birthweight as were white infants. The magnitude of disparity in very low birthweight has changed little since 1990-1992.

**Table 1-7. Percent of Births at Low Birthweight and Very Low Birthweight and Black or African American/White Disparity Ratios, Three-Year Rolling Averages, Wisconsin 1990-2008**

Years	Percent Low Birthweight		Disparity Ratio	Percent Very Low Birthweight		Disparity Ratio
	Black/African American	White		Black/African American	White	
1990-1992	10.9%	4.2%	2.6	3.1%	0.9%	3.4
1991-1993	10.9	4.2	2.6	3.0	0.9	3.3
1992-1994	11.0	4.3	2.6	2.9	0.9	3.2
1993-1995	11.1	4.3	2.6	3.0	0.9	3.3
1994-1996	10.7	4.4	2.4	3.0	1.0	3.0
1995-1997	10.2	4.4	2.3	3.1	1.0	3.1
1996-1998	10.3	4.6	2.2	3.0	1.0	3.0
1997-1999	10.6	4.7	2.3	2.9	1.0	2.9
1998-2000	10.5	4.7	2.2	3.0	1.0	3.0
1999-2001	10.1	4.8	2.1	3.2	1.1	2.9
2000-2002	10.0	4.8	2.1	3.4	1.0	3.4
2001-2003	10.0	4.9	2.0	3.4	1.0	3.4
2002-2004	10.3	5.0	2.1	3.3	1.0	3.3
2003-2005	10.3	5.2	2.0	3.4	1.0	3.4
2004-2006	11.4	5.6	2.0	3.3	1.0	3.3
2005-2007	12.4	5.9	2.1	3.1	1.0	3.1
2006-2008	13.3%	6.2%	2.1	2.9%	1.0%	2.9

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Percent low birthweight is the percent of births to mothers in each race/ethnicity group that were low birthweight (less than 2,500 grams).

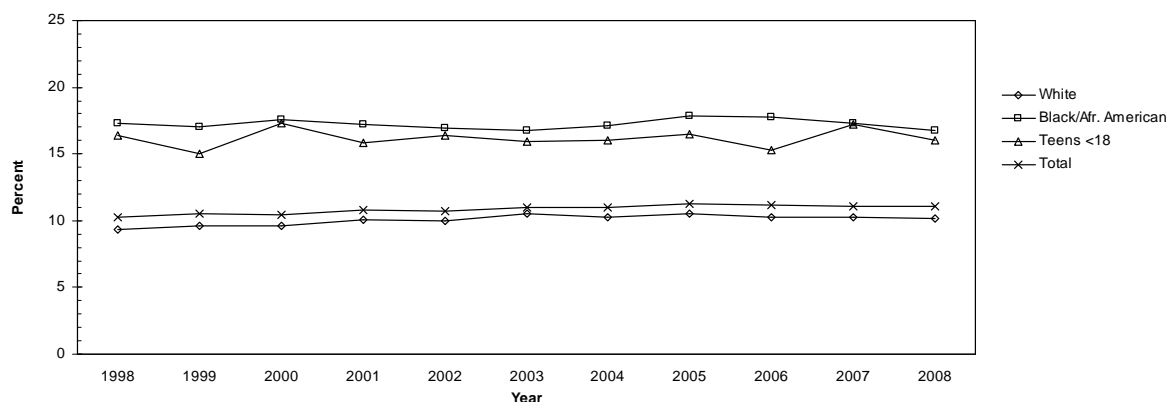
Percent very low birthweight is the percent of births to mothers in each race/ethnicity group that were very low birthweight (less than 1,500 grams).

The disparity ratio is the percentage of low birthweight (or very low birthweight) among black/African American infants divided by the corresponding percentage among white infants.

## Prematurity

- In 2007, 7,970 Wisconsin infants were born prematurely (with a gestation of less than 37 weeks) (Table 4-1). This total represented 11.1 percent of all births (compared to 11.1% in 2007). (See Technical Notes, page 108, for full definition of prematurity.)
- Compared with the overall proportion of premature infants in 2008 (11.1 percent), higher percentages of premature infants were born to:
  - Non-Hispanic black/African American women (16.8 percent),
  - Teenagers less than 18 years old (16.0 percent),
  - Women with less than a high school education (13.3 percent),
  - Women who were unmarried (13.5 percent),
  - Women who smoked during pregnancy (13.3 percent),
  - American Indian women (12.7 percent)
- Sixty-six percent of low birthweight infants (birthweight under 2,500 grams) were premature.
- Twins or other multiple births made up 16.2 percent of all premature births in 2008. From 1998 to 2008, multiple births increased from 2.8 percent to 3.2 percent of all births.
- Prematurity increased from 10.3 percent of all births in 1998 to 11.1 percent of all births in 2008 (Figure 19).
- Prematurity among infants born to mothers less than 18 years of age was 16.0 percent in 2008, comparable to the 1998 percent (16.4) (Figure 19). The prematurity rate among infants born to mothers 18 and older was 10.9 percent in 2008.

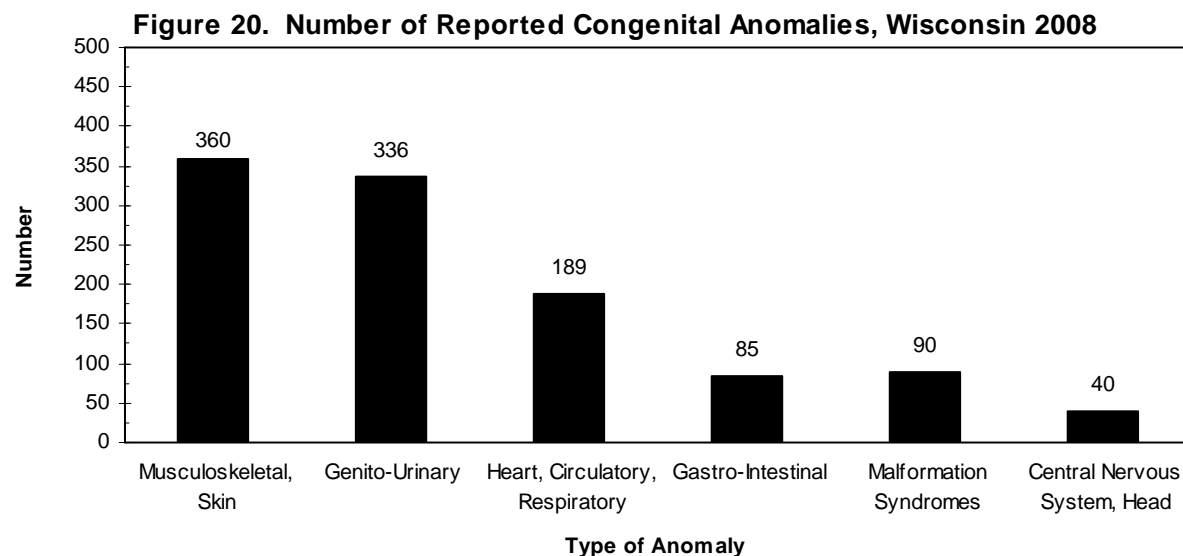
**Figure 19. Percent of Premature Births, Wisconsin, 1998-2008**



Source: Office of Health Informatics, Division of Public Health, Department of Health 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. Since 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.

# Congenital Anomalies



Source: Wisconsin resident birth certificates, Office of Health Informatics, Division of Public Health, Department of Health Services.

**Table 1-8. Reported Congenital Anomalies, Wisconsin 2008**

<b>Total Births With Reported Anomalies</b>	<b>1,117</b>	<b>Genito-Urinary</b>	<b>336</b>
		Malformed Genitalia	172
<b>Central Nervous System, Head</b>	<b>40</b>	Renal Agenesis	37
Anencephalus	6	Other Urogenital	130
Spina Bifida/Meningocele	17		
Hydrocephalus	1	<b>Musculoskeletal/Skin</b>	<b>360</b>
Microcephalus	1	Cleft Lip, Palate	71
Other Central Nervous System	19	Polydactyly, Syndactyly, Adactyly	96
		Club Foot	63
<b>Heart, Circulatory, Respiratory</b>	<b>189</b>	Diaphragmatic Hernia	5
Heart Malformations	123	Other Musculoskeletal/ Integumental	141
Other Circulatory/Respiratory	69		
		<b>Malformation Syndromes</b>	<b>90</b>
<b>Gastro-Intestinal</b>	<b>85</b>	Down Syndrome	56
Rectal Atresia, Stenosis	12	Other Chromosomal	36
Tracheo-Esophageal Fistula	13		
Omphalocele, Gastroschisis	33	<b>All Other</b>	<b>119</b>
Other Gastrointestinal	27		

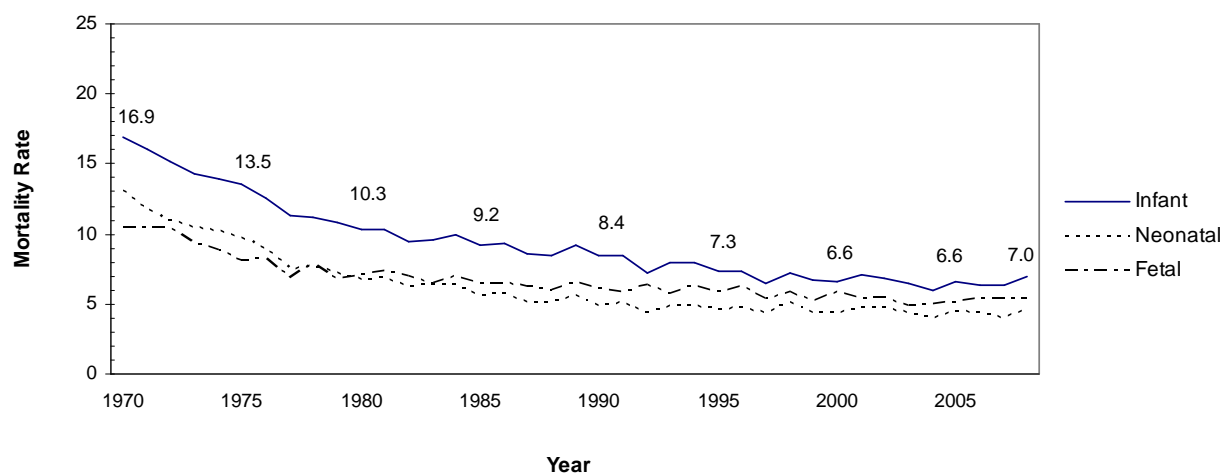
Source: Wisconsin resident birth certificates, Office of Health Informatics, Division of Public Health, Department of Health Services.

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 columns do 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, 501 infants under the age of one year died in 2008 (Table 2-28). The 2008 infant mortality rate was 7.0 infant deaths per 1,000 live births, compared to 6.4 in 2007 and 7.2 in 1998 (Figure 21). The 2005 U.S. infant mortality rate (the latest available data) was 6.9 infant deaths per 1,000 live births.
- There were 329 neonatal deaths (deaths of infants less than 28 days of age) in 2008, accounting for 66 percent of total infant deaths that year. The neonatal mortality rate in 2008 was 4.6 neonatal deaths per 1,000 live births, compared with 4.0 in 2007 and 5.1 in 1998 (Figure 21). In the U.S. in 2006 (the latest available data), the neonatal mortality rate was 4.5 per 1,000 live births.
- The fetal death rate (fetal deaths per 1,000 live births and fetal deaths) was 5.3 in 2008 (Figure 21). In comparison, the fetal death rate for 1998 was 5.9 per 1,000. (For the definition of “fetal death,” see Technical Notes, page 108.)
- There were 9 maternal deaths in 2008; these are deaths attributed to pregnancy-related health conditions or events of delivery.

**Figure 21. Infant, Neonatal, and Fetal Mortality Rates, 1970-2008**

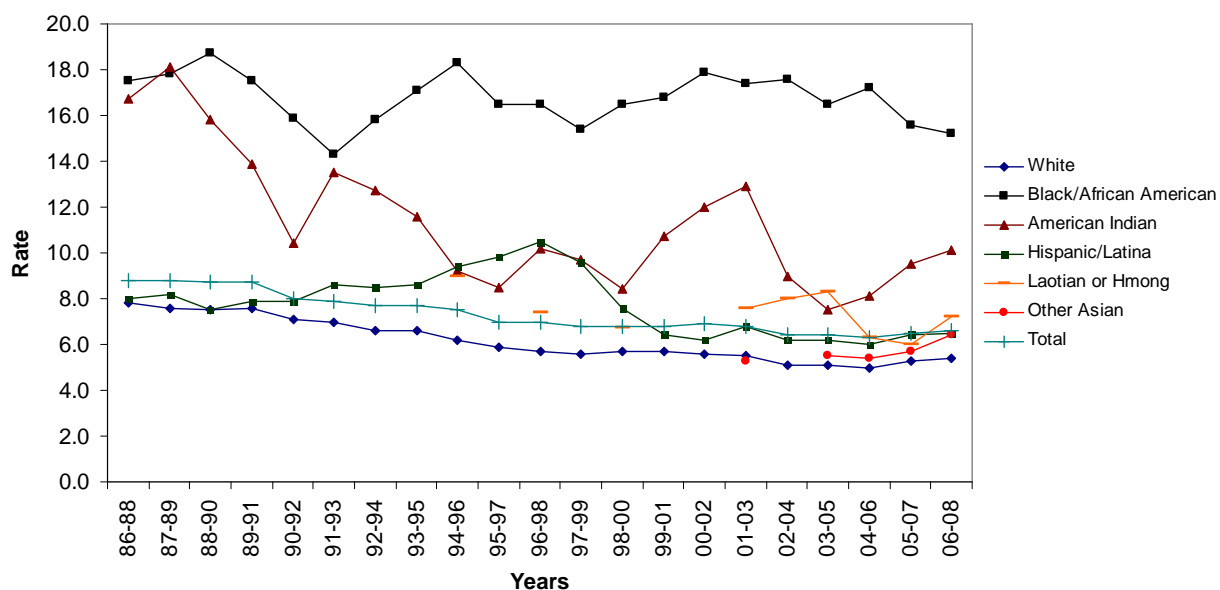


Source: Resident birth certificates, matched birth-death file, and fetal death file, Office of Health Informatics, Division of Public Health, Department of Health Services.

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 2008 infant, neonatal and fetal deaths, see Table 4-8, pages 102-103.

- The black/African American infant mortality rate for 2008 was 13.8 deaths per 1,000 births to black/African American mothers, compared to 14.5 in 2007 and 17.9 in 1998. The 2008 white infant mortality rate was 5.9 deaths per 1,000 births to white women, compared to 5.3 in 2007 and 5.6 in 1998. The Hispanic/Latino infant mortality rate for 2008 was 7.0 deaths per 1,000 births to Hispanic/Latina women, compared to 6.4 in 2007 and 11.0 in 1998. 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 22), American Indian infant mortality has dropped markedly since 1985. The rate was 16.7 per 1,000 live births in 1986-1988 and 10.1 per 1,000 in 2006-2008.
- The black/African American infant mortality rate has remained much higher than rates for other populations in Wisconsin for two decades. The three-year average rate was 17.5 per 1,000 live births in 1986-1988, declined to a low of 14.3 per 1,000 live births in 1991-1993, and was 15.2 in 2006-2008.
- The Laotian or Hmong and Other Asian infant mortality rates are not available in all years. The number of infant deaths in these race/ethnicity groups is often too small to present a rate. In 2006-2008, the Laotian or Hmong infant mortality rate was 7.2 per 1,000 live births compared to 7.6 in 2001-2003. The Other Asian infant mortality rate in 2006-2008 was 6.4 per 1,000 live births compared to 5.7 in 2005-2007.
- The Hispanic/Latino infant mortality rate fluctuated; it was 8.0 per 1,000 live births in 1986-1988 and 6.5 per 1,000 in 2006-2008. Total infant mortality and white infant mortality declined gradually over the 1986-2008 period, to 6.6 and 5.4, respectively.

**Figure 22. Infant Mortality Rates by Race/Ethnicity, Three-Year Rolling Averages, 1986-2008**



Source: Resident birth certificates, matched birth-death file, Office of Health Informatics, Division of Public Health, Department of Health 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 2008 infant, neonatal and fetal deaths, see Table 4-8, pages 102-103. Total includes all infant deaths, including Asian and "Other," too small to be shown separately in all years.

- In general, infants born to teenagers are at a higher risk of death than infants born to older mothers. In 2008, the infant mortality rate was 10.8 per 1,000 births among infants born to mothers aged less than 20, compared with 6.6 per 1,000 among infants born to women aged 20 and older.
- From 1990-1992 to 2006-2008, the non-Hispanic white infant mortality rate for mothers less than 20 years old dropped from 12.4 to 8.6 deaths per 1,000 live births. The black/African American infant mortality rate for mothers less than 20 dropped from a high of 21.4 in 2001-2003 to a low of 13.3 in 2006-2008. The Hispanic/Latino infant mortality rate for mothers less than 20 dropped from 17.3 deaths per 1,000 live births in 1997-1999 to 9.4 in 2006-2008.
- Infant mortality rates also declined for most groups of mothers age 20 and older. In 1990-1992, the non-Hispanic white infant mortality rate for mothers aged 20 or older was 6.6. This rate dropped to 5.2 in 2006-2008. The Hispanic/Latino infant mortality rate for mothers aged 20 or older was 6.7 in 1990-1992 and 6.0 in 2006-2008. The non-Hispanic black/African American infant mortality rate for mothers aged 20 or older was the only rate that has not declined since 1990-1992. The rate was 15.5 in 1990-1992 compared to 15.6 in 2006-2008.

**Table 1-9. Infant Mortality Rates by Race/Ethnicity and Mother's Age, Three-Year Rolling Averages, Wisconsin 1990-2008**

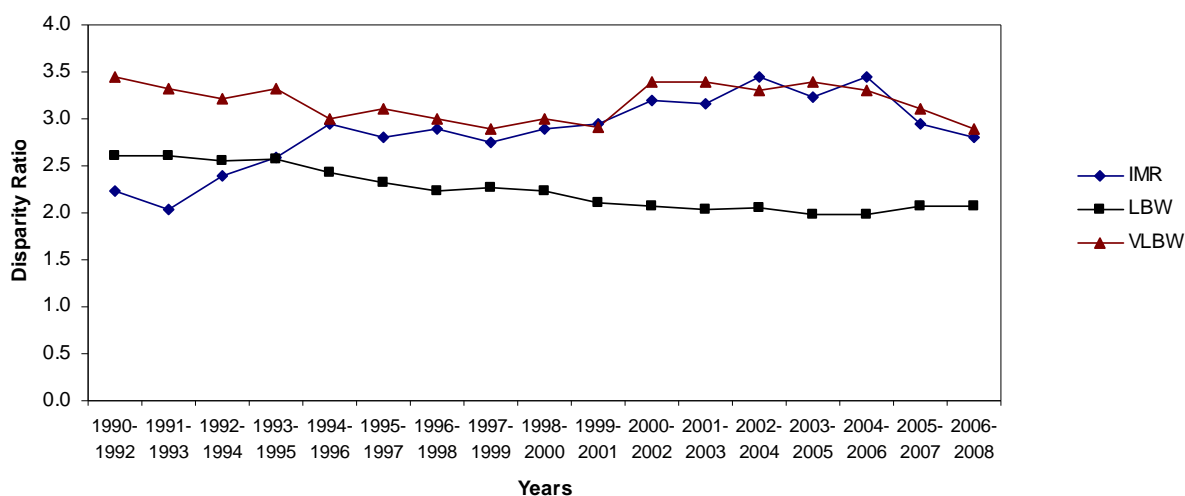
Years	Non-Hispanic White		Non-Hispanic Black/African American		Hispanic/Latino	
	<20	20+	<20	20+	<20	20+
1990-1992	12.4	6.6	16.5	15.5	-	6.7
1991-1993	11.3	6.7	14.4	14.3	-	7.2
1992-1994	10.5	6.3	15.3	16.0	14.4	6.9
1993-1995	10.5	6.3	16.4	17.4	-	8.3
1994-1996	10.6	5.8	17.0	18.8	-	9.3
1995-1997	10.3	5.5	16.5	16.6	-	10.2
1996-1998	10.0	5.3	17.5	16.2	14.7	9.4
1997-1999	9.9	5.3	17.9	14.4	17.3	7.7
1998-2000	9.9	5.3	17.9	16.0	14.8	5.8
1999-2001	9.4	5.4	18.1	16.3	10.2	5.6
2000-2002	9.3	5.3	19.4	17.4	-	6.1
2001-2003	8.4	5.3	21.4	16.1	8.4	6.5
2002-2004	8.7	4.8	21.0	16.5	8.4	5.7
2003-2005	9.0	4.9	20.1	15.4	8.9	5.7
2004-2006	8.5	4.8	17.8	16.9	7.3	5.8
2005-2007	9.5	5.0	14.2	15.9	7.5	6.3
2006-2008	8.6	5.2	13.3	15.6	9.4	6.0

Source: Resident birth certificates, matched birth-death file, and fetal death file, Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: A '-' indicates that there were too few infant deaths to present a rate. 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 2008 infant, neonatal and fetal deaths, see Table 4-8, pages 102-103.

- The disparity ratio between the black/African American infant mortality rate and the white infant mortality rate increased from the 1990-1992 period (2.2) to the 2004-2006 period (3.4) and then dropped in 2006-2008 (2.8) (Figure 23). The disparity ratio is the black/African American rate divided by the white rate, and is one measure of the difference in magnitude between the two rates.
- In contrast, the disparity ratio between the black/African American low birthweight rate and the white low birthweight rate gradually decreased over the 15-year period (Figure 23 and Table 1-7). It was 2.1 in 2006-2008.
- The disparity ratio between the black/African American very low birthweight rate and the white very low birthweight rate decreased during the 1990s, to a low of 2.9 in 1999-2001. The disparity ratio was 2.9 in 2006-2008.

**Figure 23. Black or African American/White Disparity Ratio for Infant Mortality, Low Birthweight and Very Low Birthweight, Three-Year Rolling Averages, 1990-2008**



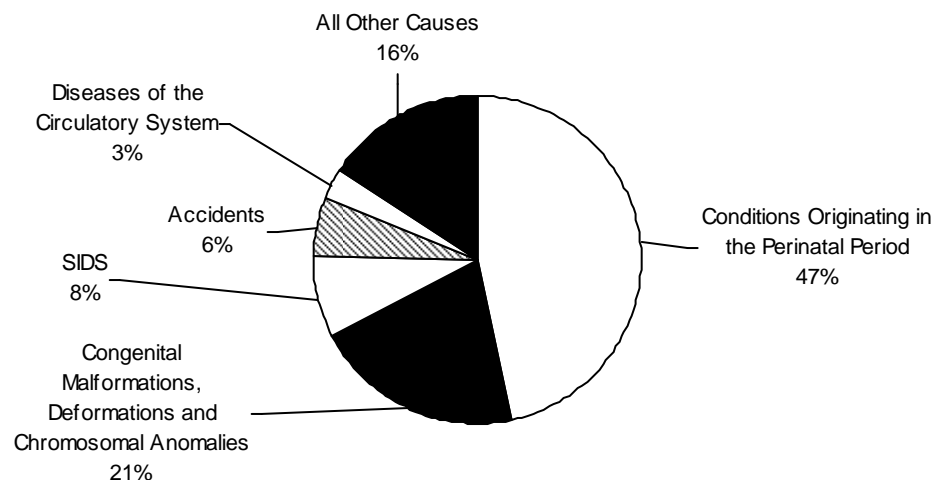
Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: The disparity ratio is the black/African American rate divided by the white rate.

## Causes of Infant Death

- “Conditions originating in the perinatal period” accounted for 47 percent of infant deaths in 2008 (Figure 24). 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 25).
- Congenital malformations, deformations and chromosomal anomalies accounted for 21 percent of infant deaths in 2008.
- Eight percent of infant deaths in 2008 were attributed to Sudden Infant Death Syndrome (SIDS); another 6 percent of infant deaths were the result of accidents.

**Figure 24. Leading Causes of Infant Death, 2008**



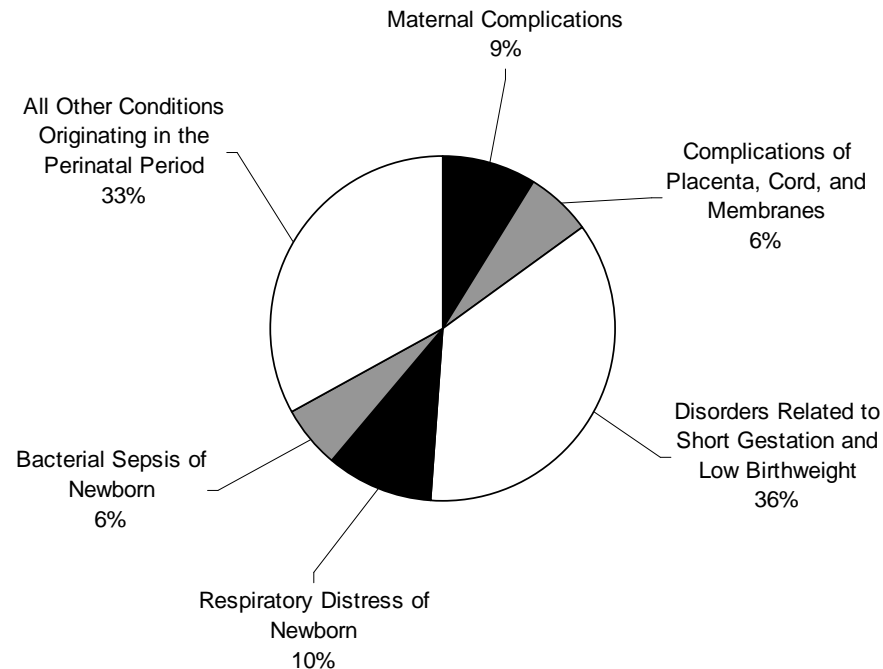
Source: Matched birth-death file, Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: 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 108.

Percents in this figure are based on all infant deaths.



**Figure 25. Causes of Infant Death: Conditions Originating in the Perinatal Period, 2008**



Source: Matched birth-death file, Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: 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 108.

Percents in this figures are based on those infant deaths categorized as “conditions originating in the perinatal period.”

**Table 2-1. Population, Births by Sex, Crude and General Fertility Rates by County of Residence, Wisconsin 2008**

<b>County</b>	<b>Population Estimate</b>	<b>Total Births</b>	<b>Male</b>	<b>Female</b>	<b>Crude Birth Rate</b>	<b>General Fertility Rate</b>
<b>Total</b>	5,672,297	72,002	36,818	35,183	12.7	64.2
Adams	21,611	183	95	88	8.5	63.4
Ashland	16,845	198	89	109	11.8	59.9
Barron	47,487	505	247	258	10.6	59.3
Bayfield	15,955	126	68	58	7.9	51.3
Brown	245,379	3,451	1,731	1,720	14.1	67.8
Buffalo	14,137	138	78	60	9.8	55.8
Burnett	16,711	148	83	65	8.9	60.9
Calumet	46,121	633	327	306	13.7	69.7
Chippewa	61,815	811	409	402	13.1	73.8
Clark	34,552	576	292	284	16.7	90.4
Columbia	56,112	652	347	305	11.6	63.2
Crawford	17,423	196	101	95	11.2	68.0
Dane	477,339	6,224	3,150	3,074	13.0	57.6
Dodge	89,395	954	508	446	10.7	59.6
Door	29,686	253	125	128	8.5	59.4
Douglas	44,264	470	245	225	10.6	54.3
Dunn	43,483	425	221	204	9.8	44.6
Eau Claire	99,014	1,211	596	615	12.2	54.3
Florence	5,128	37	19	18	7.2	47.6
Fond du Lac	101,385	1,164	610	554	11.5	58.2
Forest	10,306	98	51	47	9.5	58.7
Grant	51,004	605	307	298	11.9	64.8
Green	36,467	390	227	163	10.7	58.5
Green Lake	19,480	218	114	104	11.2	69.8
Iowa	24,154	325	176	149	13.5	70.3
Iron	6,812	52	28	24	7.6	48.1
Jackson	20,227	242	124	118	12.0	70.9
Jefferson	81,234	1,011	521	490	12.4	60.7
Juneau	27,531	275	133	142	10.0	59.7
Kenosha	163,035	2,306	1,171	1,135	14.1	67.4
Kewaunee	21,165	212	95	117	10.0	54.1
La Crosse	113,278	1,334	661	673	11.8	53.6
Lafayette	16,404	214	116	98	13.0	72.3
Langlade	21,339	205	110	95	9.6	57.1
Lincoln	30,384	317	160	157	10.4	59.5
Manitowoc	83,673	932	485	447	11.1	61.8

(Continued)

**Table 2-1. Population, Births by Sex, Crude and General Fertility Rates by County of Residence, Wisconsin 2008**

County	Population Estimate	Total Births	Male	Female	Crude Birth Rate	General Fertility Rate
Marathon	135,008	1,683	872	811	12.5	64.8
Marinette	44,174	396	209	187	9.0	52.2
Marquette	15,397	152	84	68	9.9	61.4
Menominee	4,635	130	63	67	28.0	143.8
Milwaukee	936,778	15,368	7,874	7,494	16.4	76.8
Monroe	44,348	674	346	328	15.2	82.6
Oconto	38,863	351	173	178	9.0	49.9
Oneida	38,170	320	164	156	8.4	51.5
Outagamie	175,594	2,384	1,233	1,151	13.6	65.3
Ozaukee	86,742	822	403	419	9.5	53.1
Pepin	7,647	82	52	30	10.7	61.6
Pierce	40,613	405	216	189	10.0	44.5
Polk	45,689	508	275	233	11.1	62.9
Portage	70,197	719	370	349	10.2	47.9
Price	15,574	108	52	56	6.9	43.8
Racine	197,442	2,673	1,391	1,282	13.5	70.0
Richland	18,232	233	120	113	12.8	72.4
Rock	160,548	2,076	1,075	1,001	12.9	65.2
Rusk	15,271	160	80	80	10.5	63.0
St. Croix	80,834	1,081	542	539	13.4	65.2
Sauk	60,645	773	404	368	12.7	67.4
Sawyer	17,635	194	88	106	11.0	71.1
Shawano	42,239	451	249	202	10.7	60.3
Sheboygan	116,592	1,403	703	700	12.0	64.3
Taylor	19,926	254	128	126	12.7	70.8
Trempealeau	28,371	401	189	212	14.1	78.1
Vernon	29,695	444	209	235	15.0	87.1
Vilas	23,016	175	91	84	7.6	52.6
Walworth	101,621	1,191	626	565	11.7	60.5
Washburn	17,487	168	91	77	9.6	63.0
Washington	130,731	1,524	744	780	11.7	60.9
Waukesha	382,502	3,956	1,991	1,965	10.3	56.2
Waupaca	53,638	551	290	261	10.3	57.2
Waushara	25,251	205	98	107	8.1	54.1
Winnebago	164,783	1,955	1,007	948	11.9	57.8
Wood	76,074	941	496	445	12.4	67.5

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: There was one birth in 2008 for which the sex of the infant was unknown. The crude birth rate is the number of resident live births divided by the resident population times 1,000. The general fertility rate is the number of resident live births divided by the number of females ages 15-44 times 1,000. Population estimates are from the United States Census Bureau and the Wisconsin Department of Administration, Demographic Services Center; these estimates are provisional and subject to revision.

**Table 2-2. Population, Births and Crude Birth Rate by Selected Places of Residence, Wisconsin 2008**

<b>City</b>	<b>Population Estimate</b>	<b>Births</b>	<b>Crude Birth Rate</b>
Appleton	72,297	1,369	18.9
Beloit	37,110	595	16.0
Brookfield	39,780	300	7.5
Caledonia (V)	25,110	259	10.3
De Pere	22,645	341	15.1
Eau Claire	65,362	811	12.4
Fitchburg	23,420	414	17.7
Fond du Lac	43,460	628	14.5
Franklin	33,550	358	10.7
Grand Chute	20,520	124	6.0
Green Bay	103,950	1,996	19.2
Greenfield	36,270	392	10.8
Janesville	63,540	855	13.5
Kenosha	95,910	1,715	17.9
La Crosse	51,840	613	11.8
Madison	226,650	2,989	13.2
Manitowoc	34,670	462	13.3
Menomonee Falls (V)	34,600	361	10.4
Mequon/Thiensville	26,999	197	7.3
Milwaukee	590,870	11,312	19.1
Mount Pleasant (V)	26,040	231	8.9
Muskego	23,075	223	9.7
Neenah/Menasha	42,968	699	16.3
New Berlin	39,500	312	7.9
Oak Creek	32,470	423	13.0
Oshkosh	65,920	764	11.6
Racine	80,320	1,579	19.7
Sheboygan	50,580	799	15.8
South Milwaukee	21,310	232	10.9
Stevens Point	26,050	312	12.0
Sun Prairie	25,810	466	18.1
Superior	27,170	334	12.3
Watertown	23,163	344	14.9
Waukesha	68,030	1,067	15.7
Wausau	40,360	636	15.8
Wauwatosa	45,880	567	12.4
West Allis	60,370	820	13.6
West Bend	30,320	468	15.4

Source: Office of Health Informatics, Division of Public Health, Department of Health 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 2008**

<b>STATE TOTAL</b>	72,002	Kiel (C) (Pt.)	6	Mount Horeb (V)	112
Urban*	57,874	Menasha (C) (Pt.)	38	Oregon (T)	42
Balance of State	14,128	New Holstein (C)	29	Oregon (V)	94
		Balance of County	153	Pleasant Springs (T)	13
<b>ADAMS</b>	183			Springfield (T)	13
Rome (T)	14	<b>CHIPPEWA</b>	811	Stoughton (C)	177
Balance of County	169	Bloomer (C)	44	Sun Prairie (C)	466
		Chippewa Falls (C)	213	Verona (C)	129
<b>ASHLAND</b>	198	Eagle Point (T)	29	Waunakee (V)	138
Ashland (C) (Pt.)	95	Eau Claire (C) (Pt.)	36	Westport (T)	31
Balance of County	103	Lafayette (T)	57	Windsor (T)	49
		Lake Hallie (V)	77	Balance of County	530
<b>BARRON</b>	505	Stanley (C) (Pt.)	38		
Barron (C)	55	Wheaton (T)	23	<b>DODGE</b>	954
Rice Lake (C)	111	Balance of County	294	Beaver Dam (C)	231
Rice Lake (T)	23			Beaver Dam (T)	22
Balance of County	316	<b>CLARK</b>	576	Columbus (C) (Pt.)	4
		Neillsville (C)	40	Fox Lake (T)	5
<b>BAYFIELD</b>	126	Balance of County	536	Horicon (C)	51
Ashland (C) (Pt.)	1			Juneau (C)	35
Balance of County	125	<b>COLUMBIA</b>	652	Mayville (C)	71
		Columbus (C) (Pt.)	59	Watertown (C) (Pt.)	104
<b>BROWN</b>	3,451	Lodi (C)	29	Waupun (C) (Pt.)	72
Allouez (V)	110	Lodi (T)	31	Balance of County	359
Ashwaubenon (V)	147	Pacific (T)	17		
Bellevue (V)	157	Portage (C)	141	<b>DOOR</b>	253
De Pere (C)	341	Poynette (V)	46	Sevastopol (T)	9
Green Bay (C)	1,996	Balance of County	329	Sturgeon Bay (C)	133
Hobart (V)	55			Balance of County	111
Howard (V) (Pt.)	160	<b>CRAWFORD</b>	196		
Lawrence (T)	47	Prairie du Chien (C)	79	<b>DOUGLAS</b>	470
Ledgeview (T)	42	Balance of County	117	Superior (C)	334
Pittsfield (T)	15			Balance of County	136
Pulaski (V) (Pt.)	59	<b>DANE</b>	6,224		
Scott (T)	39	Bristol (T)	30	<b>DUNN</b>	425
Suamico (V)	86	Burke (T)	35	Menomonie (C)	145
Wrightstown (V) (Pt.)	29	Cottage Grove (T)	48	Menomonie (T)	37
Balance of County	168	Cottage Grove (V)	71	Balance of County	243
		Cross Plains (V)	37		
<b>BUFFALO</b>	138	De Forest (V)	125	<b>EAU CLAIRE</b>	1,211
Mondovi (C)	31	Dunn (T)	33	Altoona (C)	102
Balance of County	107	Edgerton (C) (Pt.)	2	Eau Claire (C) (Pt.)	775
		Fitchburg (C)	414	Pleasant Valley (T)	37
<b>BURNETT</b>	148	Madison (C)	2,989	Seymour (T)	27
		Madison (T)	144	Union (T)	32
<b>CALUMET</b>	633	Marshall (V)	70	Washington (T)	83
Appleton (C) (Pt.)	222	McFarland (V)	86	Balance of County	155
Brillion (C)	40	Middleton (C)	206		
Chilton (C)	53	Middleton (T)	60	<b>FLORENCE</b>	37
Harrison (T)	92	Monona (C)	80		

\* "Urban" is the sum of incorporated places having a population of 2,500 or more according to 2008 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 2008**

<b>FOND DU LAC</b>	1,164	<b>JUNEAU</b>	275	Balance of County	276
Empire (T)	11	Mauston (C)	63		
Fond du Lac (C)	628	Balance of County	212	<b>MARATHON</b>	1,683
Friendship (T)	15			Kronenwetter (V)	65
Kewaskum (V) (Pt.)	1	<b>KENOSHA</b>	2,306	Marshfield (C) (Pt.)	5
North Fond du Lac (V)	68	Bristol (T)	49	Mosinee (C)	80
Ripon (C)	76	Genoa City (V) (Pt.)	1	Rib Mountain (T)	55
Taycheedah (T)	24	Kenosha (C)	1,715	Rothschild (V)	46
Waupun (C) (Pt.)	38	Paddock Lake (V)	31	Wausau (C)	636
Balance of County	303	Pleasant Prairie (V)	183	Weston (V)	151
		Randall (T)	9	Balance of County	645
<b>FOREST</b>	98	Salem (T)	88		
		Somers (T)	55	<b>MARINETTE</b>	396
<b>GRANT</b>	605	Twin Lakes (V)	97	Marinette (C)	142
Boscobel (C)	33	Wheatland (T)	24	Peshtigo (C)	53
Lancaster (C)	78	Balance of County	54	Peshtigo (T)	27
Platteville (C)	105			Stephenson (T)	9
Balance of County	389	<b>KEWAUNEE</b>	212	Balance of County	165
		Algoma (C)	42		
<b>GREEN</b>	390	Kewaunee (C)	24	<b>MARQUETTE</b>	152
Brodhead (C) (Pt.)	45	Balance of County	146		
Monroe (C)	130			<b>MENOMINEE</b>	130
Balance of County	215	<b>LA CROSSE</b>	1,334	Menominee (T)	130
		Campbell (T)	37		
<b>GREEN LAKE</b>	218	Holland (T)	26	<b>MILWAUKEE</b>	15,368
Berlin (C) (Pt.)	71	Holmen (V)	140	Bayside (V) (Pt.)	25
Balance of County	147	La Crosse (C)	613	Brown Deer (V)	138
		Onalaska (C)	213	Cudahy (C)	237
<b>IOWA</b>	325	Onalaska (T)	57	Fox Point (V)	50
Dodgeville (C)	78	Shelby (T)	36	Franklin (C)	358
Mineral Point (C)	43	West Salem (V)	73	Glendale (C)	126
Balance of County	204	Balance of County	139	Greendale (V)	137
				Greenfield (C)	392
<b>IRON</b>	52	<b>LAFAYETTE</b>	214	Hales Corners (V)	76
				Milwaukee (C) (Pt.)	11,311
<b>JACKSON</b>	242	<b>LANGLADE</b>	205	Oak Creek (C)	423
Black River Falls (C)	54	Antigo (C)	116	Shorewood (V)	134
Brockway (T)	24	Balance of County	89	South Milwaukee (C)	232
Balance of County	164			St. Francis (C)	82
		<b>LINCOLN</b>	317	Wauwatosa (C)	567
<b>JEFFERSON</b>	1,011	Bradley (T)	11	West Allis (C)	820
Ft. Atkinson (C)	179	Merrill (C)	166	West Milwaukee (V)	66
Ixonia (T)	49	Merrill (T)	22	Whitefish Bay (V)	182
Jefferson (C)	113	Tomahawk (C)	53	Balance of County	12
Koshkonong (T)	25	Balance of County	65		
Lake Mills (C)	88			<b>MONROE</b>	674
Oakland (T)	22	<b>MANITOWOC</b>	932	Sparta (C)	206
Waterloo (C)	50	Kiel (C) (Pt.)	48	Sparta (T)	27
Watertown (C) (Pt.)	240	Manitowoc (C)	462	Tomah (C)	132
Whitewater (C) (Pt.)	12	Manitowoc Rapids (T)	12	Balance of County	309
Balance of County	233	Two Rivers (C)	134		

(Continued)

**Table 2-3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2008**

<b>OCONTO</b>	351	Balance of County	204	Rock (T)	28
Chase (T)	32			Balance of County	219
Little Suamico (T)	56	<b>POLK</b>	508		
Oconto (C)	58	Alden (T)	14	<b>RUSK</b>	160
Oconto Falls (C)	24	Amery (C)	48	Ladysmith (C)	51
Balance of County	181	Osceola (T)	48	Balance of County	109
		Osceola (V)	36		
<b>ONEIDA</b>	320	Balance of County	362	<b>ST. CROIX</b>	1,081
Minocqua (T)	38			Baldwin (V)	61
Newbold (T)	16	<b>PORTAGE</b>	719	Hudson (C)	247
Pelican (T)	20	Hull (T)	31	Hudson (T)	55
Pine Lake (T)	21	Plover (V)	161	New Richmond (C)	191
Rhineland (C)	121	Stevens Point (C)	312	North Hudson (V)	12
Balance of County	104	Stockton (T)	16	Richmond (T)	25
		Balance of County	199	River Falls (C) (Pt.)	61
<b>OUTAGAMIE</b>	2,384			Somerset (T)	66
Appleton (C) (Pt.)	1,109	<b>PRICE</b>	108	St. Joseph (T)	14
Buchanan (T)	38	Park Falls (C)	24	Star Prairie (T)	26
Center (T)	19	Balance of County	84	Troy (T)	15
Combined Locks (V)	42			Balance of County	308
Dale (T)	18	<b>RACINE</b>	2,673		
Ellington (T)	23	Burlington (C) (Pt.)	168	<b>SAUK</b>	773
Freedom (T)	64	Burlington (T)	57	Baraboo (C)	175
Grand Chute (T)	124	Caledonia (V)	259	Lake Delton (V)	30
Greenville (T)	106	Dover (T)	20	Prairie du Sac (V)	51
Hortonville (V)	58	Mt. Pleasant (V)	231	Reedsburg (C)	132
Kaukauna (C)	274	Norway (T)	48	Sauk City (V)	62
Kimberly (V)	94	Racine (C)	1,579	Balance of County	323
Little Chute (V)	122	Raymond (T)	22		
New London (C) (Pt.)	36	Rochester (T)	15	<b>SAWYER</b>	194
Oneida (T)	50	Sturtevant (V)	78	Hayward (T)	57
Seymour (C)	48	Union Grove (V)	63	Balance of County	137
Wrightstown (V) (Pt.)	2	Waterford (T)	49		
Balance of County	157	Waterford (V)	53	<b>SHAWANO</b>	451
		Yorkville (T)	9	Pulaski (V) (Pt.)	8
<b>OZAUKEE</b>	822	Balance of County	22	Shawano (C)	156
Cedarburg (C)	123			Wescott (T)	19
Cedarburg (T)	32	<b>RICHLAND</b>	233	Balance of County	268
Grafton (T)	47	Richland Center (C)	85		
Grafton (V)	121	Balance of County	148	<b>SHEBOYGAN</b>	1,403
Mequon (C)	165			Greenbush (T)	14
Port Washington (C)	127	<b>ROCK</b>	2,076	Howards Grove (V)	29
Saukville (V)	52	Beloit (C)	595	Lima (T)	18
Thiensville (V)	32	Beloit (T)	71	Oostburg (V)	38
Balance of County	123	Brodhead (C) (Pt.)	1	Plymouth (C)	116
		Edgerton (C) (Pt.)	81	Plymouth (T)	14
<b>PEPIN</b>	82	Evansville (C)	71	Sheboygan (C)	799
		Fulton (T)	22	Sheboygan (T)	57
<b>PIERCE</b>	405	Janesville (C)	855	Sheboygan Falls (C)	87
Ellsworth (V)	25	Janesville (T)	28	Wilson (T)	20
Prescott (C)	68	Milton (C)	86	Balance of County	211
River Falls (C) (Pt.)	108	Milton (T)	19		

(Continued)

**Table 2-3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2008**

<b>TAYLOR</b>	254	Erin (T)	26	Wales (V)	14
Medford (C)	61	Farmington (T)	26	Waukesha (C)	1,067
Balance of County	193	Germantown (V)	160	Waukesha (T)	94
		Hartford (C) (Pt.)	247	Balance of County	158
<b>TREMPEALEAU</b>	401	Hartford (T)	41		
		Jackson (T)	55	<b>WAUPACA</b>	551
<b>VERNON</b>	444	Jackson (V)	86	Clintonville (C)	66
Viroqua (C)	61	Kewaskum (V) (Pt.)	44	Dayton (T)	24
Balance of County	383	Polk (T)	23	Farmington (T)	16
		Richfield (V)	82	Mukwa (T)	15
<b>VILAS</b>	175	Slinger (V)	59	New London (C) (Pt.)	83
Arbor Vitae (T)	27	Trenton (T)	26	Waupaca (C)	79
Lac du Flambeau (T)	53	West Bend (C)	468	Balance of County	268
Lincoln (T)	7	West Bend (T)	32		
Balance of County	88	Balance of County	100	<b>WAUSHARA</b>	205
				Berlin (C) (Pt.)	1
<b>WALWORTH</b>	1,191	<b>WAUKESHA</b>	3,956	Balance of County	204
Bloomfield (T)	39	Brookfield (C)	300		
Burlington (C) (Pt.)	8	Brookfield (T)	54	<b>WINNEBAGO</b>	1,955
Delavan (C)	172	Delafield (C)	63	Algoma (T)	41
Delavan (T)	57	Delafield (T)	46	Appleton (C) (Pt.)	38
East Troy (T)	49	Eagle (T)	19	Clayton (T)	28
East Troy (V)	49	Elm Grove (V)	47	Menasha (C) (Pt.)	239
Elkhorn (C)	182	Genesee (T)	31	Menasha (T)	157
Geneva (T)	35	Hartland (V)	145	Neenah (C)	422
Genoa City (V) (Pt.)	76	Lisbon (T)	49	Neenah (T)	49
La Grange (T)	13	Menomonee Falls (V)	361	Omro (C)	56
Lake Geneva (C)	130	Merton (T)	28	Oshkosh (C)	764
Lyons (T)	24	Merton (V)	12	Oshkosh (T)	27
Sugar Creek (T)	41	Milwaukee (C) (Pt.)	1	Winneconne (V)	22
Walworth (V)	30	Mukwonago (T)	77	Balance of County	112
Whitewater (C) (Pt.)	83	Mukwonago (V) (Pt.)	104		
Williams Bay (V)	32	Muskego (C)	223	<b>WOOD</b>	941
Balance of County	171	New Berlin (C)	312	Grand Rapids (T)	62
		Oconomowoc (C)	250	Marshfield (C) (Pt.)	264
<b>WASHBURN</b>	168	Oconomowoc (T)	66	Nekoosa (C)	35
Spooner (C)	40	Ottawa (T)	13	Saratoga (T)	29
Balance of County	128	Pewaukee (C)	136	Wisconsin Rapids (C)	289
		Pewaukee (V)	98	Balance of County	262
<b>WASHINGTON</b>	1,524	Summit (T)	24		
Addison (T)	36	Sussex (V)	131		
Barton (T)	13	Vernon (T)	33		

Source: Office of Health Informatics, Division of Public Health, Department of Health 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 Facility of Occurrence, Wisconsin 2008**

County	City	Hospital	Births
Adams	Friendship	Adams County Memorial Hospital	1
Ashland	Ashland	Memorial Medical Center	280
Barron	Cumberland	Cumberland Memorial Hospital	55
	Rice Lake	Lakeview Medical Center	409
	Barron	Barron Memorial Medical Center	118
Brown	Green Bay	Aurora Baycare Medical Center	1,629
	Green Bay	Bellin Health System	1,206
	Green Bay	St Marys Hospital Medical Center	659
	Green Bay	St Vincent Hospital	1,027
Burnett	Grantsburg	Burnett Medical Center, Inc.	66
Chippewa	Chippewa Falls	St Josephs Hospital	523
Clark	Neillsville	Memorial Hospital, Inc.	48
Columbia	Columbus	Columbus Community Hospital, Inc.	48
	Portage	Divine Savior Healthcare	302
Crawford	Prairie du Chien	Prairie du Chien Memorial Hospital	151
Dane	Madison	Meriter Hospital, Inc	3,839
	Madison	St Marys Hospital Medical Center	3,400
	Middleton	Madison Birth Center	46
Dodge	Beaver Dam	Beaver Dam Community Hospital	404
	Watertown	Watertown Memorial Hospital	349
	Waupun	Waupun Memorial Hospital	143
Door	Sturgeon Bay	Door County Memorial Hospital	166
Dunn	Menomonie	Red Cedar Medical Center	274
Eau Claire	Eau Claire	Luther Hospital	833
	Eau Claire	Sacred Heart Hospital	1,097
Fond du Lac	Fond du Lac	St. Agnes Hospital	942
Grant	Boscobel	Boscobel Area Health Care	59
	Lancaster	Grant Regional Health Center, Inc.	128
	Platteville	Southwest Health Center	183
Green	Monroe	The Monroe Clinic	392
Green Lake	Berlin	Berlin Memorial Hospital	195
Iowa	Dodgeville	Upland Hills Health, Inc.	272
Jackson	Black River Falls	Black River Memorial Hospital	139
Jefferson	Fort Atkinson	Fort Atkinson Memorial Hospital	541
Juneau	Mauston	Hess Memorial Hospital	195
Kenosha	Kenosha	Aurora Medical Center	1,129
	Kenosha	United Hospital Systems-Keno Med Ctr Camp	918
La Crosse	La Crosse	Gundersen Lutheran Medical Center	1,580
	La Crosse	Franciscan Skemp Healthcare	909
Lafayette	Darlington	Memorial Hospital of Lafayette County	48
Langlade	Antigo	Langlade Memorial Hospital	186
Lincoln	Tomahawk	Sacred Heart Hospital	1
Manitowoc	Manitowoc	Holy Family Memorial Medical Center	357
	Two Rivers	Aurora Medical Center	375
Marathon	Wausau	Wausau Hospital	1,120
	Weston	St Clares Hospital	803
Marinette	Marinette	Bay Area Medical Center	366
Milwaukee	Cudahy	Aurora St. Lukes South Shore	1

(Continued)

**Table 2-4. Births by County, City and Facility of Occurrence, Wisconsin 2008**

County	City	Hospital	Births
	Milwaukee	Aurora Sinai Medical Center, Inc.	2,774
	Milwaukee	St. Francis Hospital	1,058
	Milwaukee	St. Josephs Regional Medical Center	4,167
	Milwaukee	St. Marys Hospital	3,379
	Wauwatosa	Froedert Memorial Lutheran Hospital	1,877
	West Allis	West Allis Memorial Hospital	3,360
Monroe	Tomah	Tomah Memorial Hospital, Inc.	353
Oconto	Oconto Falls	Community Memorial Hospital	99
Oneida	Rhineland	Sacred Heart-St Marys Hospital, Inc.	393
	Woodruff	Howard Young Medical Center	301
Outagamie	Appleton	Appleton Medical Center	1,196
	Appleton	St Elizabeth Hospital	1,228
	New London	New London Family Medical Center	136
Ozaukee	Mequon	The Columbia Center	924
Polk	Amery	Amery Regional Medical Center	168
	Osceola	Osceola Medical Center	74
	Saint Croix	St Croix Regional Medical Center	305
Portage	Stevens Point	St. Michaels Hospital	553
Price	Park Falls	Flambeau Hospital, Inc.	2
Racine	Burlington	Aurora Memorial Hospital Of Burlington	332
	Racine	All Saints-St. Lukes Health Pavilion	1,993
Richland	Richland Center	The Richland Hospital	176
Rock	Beloit	Beloit Memorial Hospital, Inc.	691
	Janesville	Mercy Health System	1,272
Rusk	Ladysmith	Rusk County Memorial Hospital	64
Sauk	Baraboo	St Clare Hospital and Health Services	303
	Prairie du Sac	Sauk Prairie Memorial Hospital	285
	Reedsburg	Reedsburg Area Medical Center	277
	Hayward	Hayward Area Memorial Hospital	182
Shawano	Shawano	Shawano Medical Center	374
Sheboygan	Sheboygan	Aurora Sheboygan Memorial Medical Center	1,100
	Sheboygan	St. Nicholas Hospital	312
St.Croix	Baldwin	Baldwin Area Medical Center	88
	Hudson	Hudson Hospital	437
	New Richmond	Westfields Hospital	132
	River Falls	River Falls Area Hospital	241
Taylor	Medford	Memorial Health Center, Inc.	207
Trempealeau	Arcadia	Franciscan Skemp Healthcare-Arcadia	79
	Whitehall	Tri-County Memorial Hospital	1
Vernon	Hillsboro	St Josephs Community Health Services	27
	La Farge	The LaFarge Clinic	89
	Viroqua	Vernon Memorial Hospital	204
Walworth	Elkhorn	Aurora Lakeland Medical Center	790
Washburn	Shell Lake	Indianhead Medical Center, Inc.	15
	Spooner	Spooner Health System	72
Washington	Hartford	Aurora Medical Center	270

(Continued)

**Table 2-4. Births by County, City and Facility of Occurrence, Wisconsin 2008**

<b>County</b>	<b>City</b>	<b>Hospital</b>	<b>Births</b>
Waukesha	West Bend	St. Josephs Community Hospital	754
	Brookfield	Wheaten Franciscan – St. Joseph/Elmbrook Unit	535
	Menomonee Falls	Community Memorial Hospital	907
	Oconomowoc	Oconomowoc Memorial Hospital	740
Waupaca	Waukesha	Waukesha Memorial Hospital	2,210
	Waupaca	Riverside Medical Center	185
Winnebago	Neenah	Theda Clark Regional Medical Center	1,414
	Oshkosh	Aurora Medical Center Of Oshkosh	795
	Oshkosh	Mercy Medical Center	553
Wood	Marshfield	St. Josephs Hospital	1,179
	Wisconsin Rapids	Riverview Hospital Association	534

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

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

Table 2-5. Home Births by County of Birth, Wisconsin 2008

County of Birth	Number of Births	County of Birth	Number of Births
Adams	4	Marathon	42
Ashland	4	Marinette	1
Barron	8	Marquette	15
Bayfield	6	Menominee	-
Brown	15	Milwaukee	39
Buffalo	2	Monroe	49
Burnett	-	Oconto	5
Calumet	9	Oneida	3
Chippewa	17	Outagamie	10
Clark	216	Ozaukee	6
Columbia	25	Pepin	64
Crawford	2	Pierce	7
Dane	75	Polk	3
Dodge	7	Portage	12
Door	3	Price	1
Douglas	5	Racine	10
Dunn	6	Richland	12
Eau Claire	30	Rock	19
Florence	1	Rusk	15
Fond du Lac	6	St. Croix	7
Forest	-	Sauk	19
Grant	43	Sawyer	6
Green	3	Shawano	13
Green Lake	24	Sheboygan	14
Iowa	1	Taylor	7
Iron	-	Trempealeau	14
Jackson	24	Vernon	99
Jefferson	5	Vilas	1
Juneau	2	Walworth	8
Kenosha	5	Washburn	3
Kewaunee	1	Washington	7
La Crosse	2	Waukesha	18
Lafayette	12	Waupaca	14
Langlade	1	Waushara	18
Lincoln	3	Winnebago	9
Manitowoc	5	Wood	6
		<b>Total</b>	<b>1,150</b>

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: This table shows the number of Wisconsin resident births in 2008 that occurred at home by the county in which the birth occurred. In 2008, there was two births in which the county of birth was unknown. Almost all births (70,696 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 2008**

County	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
<b>Total</b>	<b>72,002</b>	<b>76</b>	<b>1,783</b>	<b>4,237</b>	<b>16,828</b>	<b>22,383</b>	<b>17,381</b>	<b>7,653</b>	<b>1,533</b>	<b>103</b>
Adams	183	-	10	25	53	49	24	16	5	1
Ashland	198	-	9	15	55	58	40	15	4	2
Barron	505	-	5	39	167	145	106	32	10	-
Bayfield	126	-	2	6	22	33	40	19	2	2
Brown	3,451	3	95	208	787	1,120	815	348	68	7
Buffalo	138	-	-	4	32	56	21	22	2	1
Burnett	148	-	3	15	50	44	30	5	1	-
Calumet	633	-	5	21	97	206	215	73	16	-
Chippewa	811	-	10	49	215	257	187	74	16	3
Clark	576	1	4	17	150	194	123	63	23	1
Columbia	652	-	7	31	154	213	162	68	17	-
Crawford	196	-	6	15	62	64	35	13	1	-
Dane	6,224	3	96	216	1,033	1,815	1,967	913	168	12
Dodge	954	-	11	57	233	329	201	97	26	-
Door	253	-	5	10	56	81	67	26	6	1
Douglas	470	-	9	32	143	151	94	34	7	-
Dunn	425	-	8	25	101	148	85	52	6	-
Eau Claire	1,211	-	11	70	307	408	274	115	24	1
Florence	37	-	3	1	12	11	6	3	-	1
Fond du Lac	1,164	1	22	58	284	391	283	103	22	-
Forest	98	-	5	6	32	28	17	9	1	-
Grant	605	-	10	35	146	208	139	58	9	-
Green	390	1	6	23	86	124	102	39	9	-
Green Lake	218	1	4	16	44	72	55	23	2	-
Iowa	325	-	4	7	72	106	88	40	6	2
Iron	52	-	-	3	16	15	12	6	-	-
Jackson	242	-	7	14	72	82	39	23	4	1
Jefferson	1,011	1	9	52	229	333	265	98	22	1
Juneau	275	-	4	25	78	86	56	23	3	-
Kenosha	2,306	2	76	178	581	678	493	248	47	2
Kewaunee	212	-	4	6	47	75	53	23	3	1
La Crosse	1,334	-	23	63	298	481	305	134	26	4
Lafayette	214	-	3	11	53	70	43	30	4	-
Langlade	205	-	2	20	73	54	36	18	2	-
Lincoln	317	-	8	21	88	101	56	36	7	-
Manitowoc	932	-	21	51	235	301	199	103	22	-
Marathon	1,683	1	29	87	378	571	399	177	38	3
Marinette	396	2	11	21	123	126	79	28	5	1
Marquette	152	-	3	7	52	46	33	8	3	-
Menominee	130	1	19	14	45	25	19	6	1	-
Milwaukee	15,368	41	711	1,281	4,115	4,276	3,165	1,451	297	16
Monroe	674	-	12	48	198	227	114	57	17	1

(Continued)

**Table 2-6. Number of Births by Age of Mother and County of Residence, Wisconsin 2008**

County	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Oconto	351	-	6	21	67	124	81	46	6	-
Oneida	320	-	3	29	85	91	70	34	8	-
Outagamie	2,384	-	52	89	440	829	680	254	38	2
Ozaukee	822	1	7	18	101	229	281	145	37	3
Pepin	82	-	-	1	19	31	20	8	2	1
Pierce	405	-	3	12	78	144	108	51	9	-
Polk	508	1	10	33	147	161	99	46	8	3
Portage	719	-	15	38	169	238	176	61	22	-
Price	108	-	3	4	28	42	16	15	-	-
Racine	2,673	4	96	190	683	825	588	224	57	6
Richland	233	-	5	20	53	70	58	19	7	1
Rock	2,076	6	62	144	593	629	442	170	29	1
Rusk	160	-	5	12	45	47	33	13	4	1
St. Croix	1,081	-	9	29	177	397	319	127	23	-
Sauk	773	-	18	46	203	254	173	62	15	1
Sawyer	194	1	5	13	49	66	40	17	3	-
Shawano	451	1	9	28	121	151	89	44	8	-
Sheboygan	1,403	1	32	82	321	459	355	126	23	4
Taylor	254	-	3	7	72	97	42	26	7	-
Trempealeau	401	-	3	23	106	128	95	41	5	-
Vernon	444	-	3	12	115	133	107	52	19	3
Vilas	175	-	5	13	45	47	45	15	5	-
Walworth	1,191	-	22	68	306	365	288	121	20	1
Washburn	168	-	2	14	46	57	27	19	3	-
Washington	1,524	-	26	65	244	493	443	215	36	2
Waukesha	3,956	1	22	93	518	1,185	1,331	671	124	9
Waupaca	551	-	12	38	141	182	109	59	10	-
Waushara	205	-	5	16	63	60	42	14	5	-
Winnebago	1,955	-	35	100	460	684	476	170	29	1
Wood	941	2	13	76	259	307	206	59	19	-

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Included in the total column are 25 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 2008**

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
<b>Total</b>	<b>72,002</b>	<b>0.1%</b>	<b>2.5%</b>	<b>5.9%</b>	<b>23.4%</b>	<b>31.1%</b>	<b>24.1%</b>	<b>10.6%</b>	<b>2.1%</b>	<b>0.1%</b>
Adams	183	-	5.5	13.7	29.0	26.8	13.1	8.7	2.7	0.5
Ashland	198	-	4.5	7.6	27.8	29.3	20.2	7.6	2.0	1.0
Barron	505	-	1.0	7.7	33.1	28.7	21.0	6.3	2.0	-
Bayfield	126	-	1.6	4.8	17.5	26.2	31.7	15.1	1.6	1.6
Brown	3,451	0.1	2.8	6.0	22.8	32.5	23.6	10.1	2.0	0.2
Buffalo	138	-	-	2.9	23.2	40.6	15.2	15.9	1.4	0.7
Burnett	148	-	2.0	10.1	33.8	29.7	20.3	3.4	0.7	-
Calumet	633	-	0.8	3.3	15.3	32.5	34.0	11.5	2.5	-
Chippewa	811	-	1.2	6.0	26.5	31.7	23.1	9.1	2.0	0.4
Clark	576	0.2	0.7	3.0	26.0	33.7	21.4	10.9	4.0	0.2
Columbia	652	-	1.1	4.8	23.6	32.7	24.8	10.4	2.6	-
Crawford	196	-	3.1	7.7	31.6	32.7	17.9	6.6	0.5	-
Dane	6,224	0.0	1.5	3.5	16.6	29.2	31.6	14.7	2.7	0.2
Dodge	954	-	1.2	6.0	24.4	34.5	21.1	10.2	2.7	-
Door	253	-	2.0	4.0	22.1	32.0	26.5	10.3	2.4	0.4
Douglas	470	-	1.9	6.8	30.4	32.1	20.0	7.2	1.5	-
Dunn	425	-	1.9	5.9	23.8	34.8	20.0	12.2	1.4	-
Eau Claire	1,211	-	0.9	5.8	25.4	33.7	22.6	9.5	2.0	0.1
Florence	37	-	8.1	2.7	32.4	29.7	16.2	8.1	-	2.7
Fond du Lac	1,164	0.1	1.9	5.0	24.4	33.6	24.3	8.8	1.9	-
Forest	98	-	5.1	6.1	32.7	28.6	17.3	9.2	1.0	-
Grant	605	-	1.7	5.8	24.1	34.4	23.0	9.6	1.5	-
Green	390	0.3	1.5	5.9	22.1	31.8	26.2	10.0	2.3	-
Green Lake	218	0.5	1.8	7.3	20.2	33.0	25.2	10.6	0.9	-
Iowa	325	-	1.2	2.2	22.2	32.6	27.1	12.3	1.8	0.6
Iron	52	-	-	5.8	30.8	28.8	23.1	11.5	-	-
Jackson	242	-	2.9	5.8	29.8	33.9	16.1	9.5	1.7	0.4
Jefferson	1,011	0.1	0.9	5.1	22.7	32.9	26.2	9.7	2.2	0.1
Juneau	275	-	1.5	9.1	28.4	31.3	20.4	8.4	1.1	-
Kenosha	2,306	0.1	3.3	7.7	25.2	29.4	21.4	10.8	2.0	0.1
Kewaunee	212	-	1.9	2.8	22.2	35.4	25.0	10.8	1.4	0.5
La Crosse	1,334	-	1.7	4.7	22.3	36.1	22.9	10.0	1.9	0.3
Lafayette	214	-	1.4	5.1	24.8	32.7	20.1	14.0	1.9	-
Langlade	205	-	1.0	9.8	35.6	26.3	17.6	8.8	1.0	-
Lincoln	317	-	2.5	6.6	27.8	31.9	17.7	11.4	2.2	-
Manitowoc	932	-	2.3	5.5	25.2	32.3	21.4	11.1	2.4	-
Marathon	1,683	0.1	1.7	5.2	22.5	33.9	23.7	10.5	2.3	0.2
Marinette	396	0.5	2.8	5.3	31.1	31.8	19.9	7.1	1.3	0.3
Marquette	152	-	2.0	4.6	34.2	30.3	21.7	5.3	2.0	-
Menominee	130	0.8	14.6	10.8	34.6	19.2	14.6	4.6	0.8	-
Milwaukee	15,368	0.3	4.6	8.3	26.8	27.8	20.6	9.4	1.9	0.1
Monroe	674	-	1.8	7.1	29.4	33.7	16.9	8.5	2.5	0.1

(Continued)

**Table 2-7. Percent of Births by Age of Mother and County of Residence, Wisconsin 2008**

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Oconto	351	-	1.7	6.0	19.1	35.3	23.1	13.1	1.7	-
Oneida	320	-	0.9	9.1	26.6	28.4	21.9	10.6	2.5	-
Outagamie	2,384	-	2.2	3.7	18.5	34.8	28.5	10.7	1.6	0.1
Ozaukee	822	0.1	0.9	2.2	12.3	27.9	34.2	17.6	4.5	0.4
Pepin	82	-	-	1.2	23.2	37.8	24.4	9.8	2.4	1.2
Pierce	405	-	0.7	3.0	19.3	35.6	26.7	12.6	2.2	-
Polk	508	0.2	2.0	6.5	28.9	31.7	19.5	9.1	1.6	0.6
Portage	719	-	2.1	5.3	23.5	33.1	24.5	8.5	3.1	-
Price	108	-	2.8	3.7	25.9	38.9	14.8	13.9	-	-
Racine	2,673	0.1	3.6	7.1	25.6	30.9	22.0	8.4	2.1	0.2
Richland	233	-	2.1	8.6	22.7	30.0	24.9	8.2	3.0	0.4
Rock	2,076	0.3	3.0	6.9	28.6	30.3	21.3	8.2	1.4	0.0
Rusk	160	-	3.1	7.5	28.1	29.4	20.6	8.1	2.5	0.6
St. Croix	1,081	-	0.8	2.7	16.4	36.7	29.5	11.7	2.1	-
Sauk	773	-	2.3	6.0	26.3	32.9	22.4	8.0	1.9	0.1
Sawyer	194	0.5	2.6	6.7	25.3	34.0	20.6	8.8	1.5	-
Shawano	451	0.2	2.0	6.2	26.8	33.5	19.7	9.8	1.8	-
Sheboygan	1,403	0.1	2.3	5.8	22.9	32.7	25.3	9.0	1.6	0.3
Taylor	254	-	1.2	2.8	28.3	38.2	16.5	10.2	2.8	-
Trempealeau	401	-	0.7	5.7	26.4	31.9	23.7	10.2	1.2	-
Vernon	444	-	0.7	2.7	25.9	30.0	24.1	11.7	4.3	0.7
Vilas	175	-	2.9	7.4	25.7	26.9	25.7	8.6	2.9	-
Walworth	1,191	-	1.8	5.7	25.7	30.6	24.2	10.2	1.7	0.1
Washburn	168	-	1.2	8.3	27.4	33.9	16.1	11.3	1.8	-
Washington	1,524	-	1.7	4.3	16.0	32.3	29.1	14.1	2.4	0.1
Waukesha	3,956	0.0	0.6	2.4	13.1	30.0	33.6	17.0	3.1	0.2
Waupaca	551	-	2.2	6.9	25.6	33.0	19.8	10.7	1.8	-
Waushara	205	-	2.4	7.8	30.7	29.3	20.5	6.8	2.4	-
Winnebago	1,955	-	1.8	5.1	23.5	35.0	24.3	8.7	1.5	0.1
Wood	941	0.2	1.4	8.1	27.5	32.6	21.9	6.3	2.0	-

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Included in the total column are 25 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 2008**

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
<b>Total</b>	<b>72,002</b>	<b>76</b>	<b>1,783</b>	<b>4,237</b>	<b>16,828</b>	<b>22,383</b>	<b>17,381</b>	<b>7,653</b>	<b>1,533</b>	<b>103</b>
<b>DHS Regions</b>										
Southern	13,544	10	245	667	2,934	4,150	3,597	1,600	318	21
Southeastern	28,851	50	969	1,945	6,777	8,384	6,854	3,173	640	40
Northeastern	14,841	10	340	786	3,383	4,932	3,650	1,454	267	17
Western	9,339	2	124	500	2,351	3,158	2,079	916	190	17
Northern	5,427	4	105	339	1,383	1,759	1,201	510	118	8
<b>Perinatal Regions</b>										
South Central	15,106	11	267	760	3,292	4,651	4,008	1,754	340	20
Southeast	28,052	50	970	1,907	6,563	8,145	6,656	3,080	621	42
Fox Valley	7,262	2	138	345	1,581	2,470	1,893	704	125	3
Northeast	6,176	7	170	359	1,481	2,003	1,402	624	119	10
Western	8,457	1	110	437	2,094	2,862	1,914	847	172	18
North Central	5,593	4	98	331	1,436	1,828	1,225	529	136	6
Northwest	1,356	1	30	98	381	424	283	115	20	4

**Table 2-9. Percent of Births by Age of Mother and Region, Wisconsin 2008**

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
<b>Total</b>	<b>72,002</b>	<b>0.1%</b>	<b>2.5%</b>	<b>5.9%</b>	<b>23.4%</b>	<b>31.1%</b>	<b>24.1%</b>	<b>10.6%</b>	<b>2.1%</b>	<b>0.1%</b>
<b>DHS Regions</b>										
Southern	13,544	0.1	1.8	4.9	21.7	30.6	26.6	11.8	2.3	0.2
Southeastern	28,851	0.2	3.4	6.7	23.5	29.1	23.8	11.0	2.2	0.1
Northeastern	14,841	0.1	2.3	5.3	22.8	33.2	24.6	9.8	1.8	0.1
Western	9,339	0.0	1.3	5.4	25.2	33.8	22.3	9.8	2.0	0.2
Northern	5,427	0.1	1.9	6.2	25.5	32.4	22.1	9.4	2.2	0.1
<b>Perinatal Regions</b>										
South Central	15,106	0.1	1.8	5.0	21.8	30.8	26.5	11.6	2.3	0.1
Southeast	28,052	0.2	3.5	6.8	23.4	29.0	23.7	11.0	2.2	0.1
Fox Valley	7,262	0.0	1.9	4.8	21.8	34.0	26.1	9.7	1.7	0.0
Northeast	6,176	0.1	2.8	5.8	24.0	32.4	22.7	10.1	1.9	0.2
Western	8,457	0.0	1.3	5.2	24.8	33.8	22.6	10.0	2.0	0.2
North Central	5,593	0.1	1.8	5.9	25.7	32.7	21.9	9.5	2.4	0.1
Northwest	1,356	0.1	2.2	7.2	28.1	31.3	20.9	8.5	1.5	0.3

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Included in the totals are 25 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 Services (DHS) and Perinatal Regions, see Technical Notes (pages 105 and 106).

**Table 2-10. Number of Births by Race/Ethnicity of Mother and County of Residence,  
Wisconsin 2008**

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latina	Laotian or Hmong	Other Asian
<b>Total</b>	<b>72,002</b>	<b>53,561</b>	<b>7,236</b>	<b>1,144</b>	<b>7,025</b>	<b>1,356</b>	<b>1,620</b>
Adams	183	173	2	-	5	-	3
Ashland	198	153	-	42	3	-	-
Barron	505	457	20	10	12	-	5
Bayfield	126	94	-	30	1	-	1
Brown	3,451	2,586	121	172	398	112	61
Buffalo	138	134	1	-	3	-	-
Burnett	148	129	1	14	2	-	2
Calumet	633	563	8	4	26	19	13
Chippewa	811	768	2	6	16	14	5
Clark	576	537	1	3	33	-	2
Columbia	652	606	2	8	31	-	5
Crawford	196	196	-	-	-	-	-
Dane	6,224	4,541	509	40	655	108	367
Dodge	954	866	2	9	68	1	8
Door	253	234	2	2	14	-	1
Douglas	470	442	3	11	6	2	5
Dunn	425	395	2	-	9	15	4
Eau Claire	1,211	1,087	8	10	33	61	11
Florence	37	37	-	-	-	-	-
Fond du Lac	1,164	1,017	18	6	94	16	13
Forest	98	66	-	29	2	-	1
Grant	605	583	5	-	11	1	5
Green	390	369	-	-	19	-	2
Green Lake	218	196	1	1	16	2	1
Iowa	325	315	-	-	7	-	3
Iron	52	48	-	3	1	-	-
Jackson	242	213	1	21	6	-	1
Jefferson	1,011	840	6	8	146	-	10
Juneau	275	259	2	- 5	8	-	1
Kenosha	2,306	1,651	223	10	381	2	35
Kewaunee	212	201	-	1	9	-	1
La Crosse	1,334	1,162	24	14	13	92	28
Lafayette	214	205	-	-	8	-	1
Langlade	205	195	1	- 7	1	-	1
Lincoln	317	302	1	- 3	9	-	2
Manitowoc	932	812	5	6	54	45	10
Marathon	1,683	1,396	15	11	60	164	36
Marinette	396	380	1	- 7	3	-	5
Marquette	152	143	1	- 1	6	-	1
Menominee	130	9	1	113	7	-	-
Milwaukee	15,368	6,150	5,471	136	2,818	361	403
Monroe	674	605	5	11	45	2	6

(Continued)

**Table 2-10. Number of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2008**

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latina	Laotian or Hmong	Other Asian
Oconto	351	342	-	4	4	-	1
Oneida	320	306	1	- 7	3		3
Outagamie	2,384	2,048	23	47	133	80	52
Ozaukee	822	753	12	5	20	-	32
Pepin	82	79	-	1	2	-	-
Pierce	405	391	1	1	8	1	3
Polk	508	485	1	11	8	-	3
Portage	719	625	3	2	38	39	11
Price	108	104	1	-	-	-	3
Racine	2,673	1,666	447	17	501	1	41
Richland	233	224	-	2	5	-	2
Rock	2,076	1,656	137	13	240	1	29
Rusk	160	155	-	-	4	-	1
St. Croix	1,081	1,026	4	6	20	12	13
Sauk	773	684	5	17	57	-	9
Sawyer	194	122	-	65	6	-	1
Shawano	451	365	1	65	19	-	1
Sheboygan	1,403	1,103	13	11	125	106	44
Taylor	254	246	-	3	3	-	2
Trempealeau	401	343	-	1	55	-	2
Vernon	444	427	3	- 1	9		4
Vilas	175	126	1	46	2	-	-
Walworth	1,191	910	10	3	255	2	11
Washburn	168	161	-	3	2	-	2
Washington	1,524	1,410	19	8	59	3	25
Waukesha	3,956	3,427	47	13	233	11	222
Waupaca	551	522	2	1	24	-	2
Waushara	205	173	1	1	30	-	-
Winnebago	1,955	1,704	32	20	98	68	30
Wood	941	863	7	16	23	15	12

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: See Technical Notes (page 107) for definition of race/ethnicity categories. Included in the totals are 60 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 2008**

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latina	Laotian or Hmong	Other Asian
<b>Total</b>	<b>72,002</b>	<b>74.4%</b>	<b>10.0%</b>	<b>1.6%</b>	<b>9.8%</b>	<b>1.9%</b>	<b>2.2%</b>
Adams	183	94.5	1.1	-	2.7	-	1.6
Ashland	198	77.3	-	21.2	1.5	-	-
Barron	505	90.5	4.0	2.0	2.4	-	1.0
Bayfield	126	74.6	-	23.8	0.8	-	0.8
Brown	3,451	74.9	3.5	5.0	11.5	3.2	1.8
Buffalo	138	97.1	0.7	-	2.2	-	-
Burnett	148	87.2	0.7	9.5	1.4	-	1.4
Calumet	633	88.9	1.3	0.6	4.1	3.0	2.1
Chippewa	811	94.7	0.2	0.7	2.0	1.7	0.6
Clark	576	93.2	0.2	0.5	5.7	-	0.3
Columbia	652	92.9	0.3	1.2	4.8	-	0.8
Crawford	196	100.0	-	-	-	-	-
Dane	6,224	73.0	8.2	0.6	10.5	1.7	5.9
Dodge	954	90.8	0.2	0.9	7.1	0.1	0.8
Door	253	92.5	0.8	0.8	5.5	-	0.4
Douglas	470	94.0	0.6	2.3	1.3	0.4	1.1
Dunn	425	92.9	0.5	-	2.1	3.5	0.9
Eau Claire	1,211	89.8	0.7	0.8	2.7	5.0	0.9
Florence	37	100.0	-	-	-	-	-
Fond du Lac	1,164	87.4	1.5	0.5	8.1	1.4	1.1
Forest	98	67.3	-	29.6	2.0	-	1.0
Grant	605	96.4	0.8	-	1.8	0.2	0.8
Green	390	94.6	-	-	4.9	-	0.5
Green Lake	218	89.9	0.5	0.5	7.3	0.9	0.5
Iowa	325	96.9	-	-	2.2	-	0.9
Iron	52	92.3	-	5.8	1.9	-	-
Jackson	242	88.0	0.4	8.7	2.5	-	0.4
Jefferson	1,011	83.1	0.6	0.8	14.4	-	1.0
Juneau	275	94.2	0.7	1.8	2.9	-	0.4
Kenosha	2,306	71.6	9.7	0.4	16.5	0.1	1.5
Kewaunee	212	94.8	-	0.5	4.2	-	0.5
La Crosse	1,334	87.1	1.8	1.0	1.0	6.9	2.1
Lafayette	214	95.8	-	-	3.7	-	0.5
Langlade	205	95.1	0.5	3.4	0.5	-	0.5
Lincoln	317	95.3	0.3	0.9	2.8	-	0.6
Manitowoc	932	87.1	0.5	0.6	5.8	4.8	1.1
Marathon	1,683	82.9	0.9	0.7	3.6	9.7	2.1
Marinette	396	96.0	0.3	1.8	0.8	-	1.3
Marquette	152	94.1	0.7	0.7	3.9	-	0.7
Menominee	130	6.9	0.8	86.9	5.4	-	-
Milwaukee	15,368	40.0	35.6	0.9	18.3	2.3	2.6
Monroe	674	89.8	0.7	1.6	6.7	0.3	0.9

(Continued)

**Table 2-11. Percent of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2008**

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latina	Laotian or Hmong	Other Asian
Oconto	351	97.4	-	1.1	1.1	-	0.3
Oneida	320	95.6	0.3	2.2	0.9	-	0.9
Outagamie	2,384	85.9	1.0	2.0	5.6	3.4	2.2
Ozaukee	822	91.6	1.5	0.6	2.4	-	3.9
Pepin	82	96.3	-	1.2	2.4	-	-
Pierce	405	96.5	0.2	0.2	2.0	0.2	0.7
Polk	508	95.5	0.2	2.2	1.6	-	0.6
Portage	719	86.9	0.4	0.3	5.3	5.4	1.5
Price	108	96.3	0.9	-	-	-	2.8
Racine	2,673	62.3	16.7	0.6	18.7	0.0	1.5
Richland	233	96.1	-	0.9	2.1	-	0.9
Rock	2,076	79.8	6.6	0.6	11.6	0.0	1.4
Rusk	160	96.9	-	-	2.5	-	0.6
St. Croix	1,081	94.9	0.4	0.6	1.9	1.1	1.2
Sauk	773	88.5	0.6	2.2	7.4	-	1.2
Sawyer	194	62.9	-	33.5	3.1	-	0.5
Shawano	451	80.9	0.2	14.4	4.2	-	0.2
Sheboygan	1,403	78.6	0.9	0.8	8.9	7.6	3.1
Taylor	254	96.9	-	1.2	1.2	-	0.8
Trempealeau	401	85.5	-	0.2	13.7	-	0.5
Vernon	444	96.2	0.7	0.2	2.0	-	0.9
Vilas	175	72.0	0.6	26.3	1.1	-	-
Walworth	1,191	76.4	0.8	0.3	21.4	0.2	0.9
Washburn	168	95.8	-	1.8	1.2	-	1.2
Washington	1,524	92.5	1.2	0.5	3.9	0.2	1.6
Waukesha	3,956	86.6	1.2	0.3	5.9	0.3	5.6
Waupaca	551	94.7	0.4	0.2	4.4	-	0.4
Waushara	205	84.4	0.5	0.5	14.6	-	-
Winnebago	1,955	87.2	1.6	1.0	5.0	3.5	1.5
Wood	941	91.7	0.7	1.7	2.4	1.6	1.3

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: See Technical Notes (page 107) for definition of race/ethnicity categories. Included in the totals are 60 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 2008**

	<b>Total</b>	<b>White</b>	<b>Black/Afr. American</b>	<b>Amer. Indian</b>	<b>Hispanic/ Latina</b>	<b>Laotian or Hmong</b>	<b>Other Asian</b>
<b>Total</b>	<b>72,002</b>	<b>53,561</b>	<b>7,236</b>	<b>1,144</b>	<b>7,025</b>	<b>1,356</b>	<b>1,620</b>
<b>DHS Regions</b>							
Southern	13,544	11,104	667	95	1,123	111	439
Southeastern	28,851	16,807	6,235	200	4,413	380	779
Northeastern	14,841	12,398	230	462	1,060	448	236
Western	9,339	8,569	74	123	277	199	93
Northern	5,427	4,683	30	264	152	218	73
<b>Perinatal Regions</b>							
South Central	15,106	12,231	680	105	1,515	113	456
Southeast	28,052	16,160	6,232	200	4,137	484	802
Fox Valley	7,262	6,366	86	81	427	185	112
Northeast	6,176	4,929	131	370	508	157	80
Western	8,457	7,768	72	93	239	197	85
North Central	5,593	4,958	31	127	178	218	74
Northwest	1,356	1,149	4	168	21	2	11

**Table 2-13. Percent of Births by Race/Ethnicity of Mother and Region, Wisconsin 2008**

	<b>Total</b>	<b>White</b>	<b>Black/Afr. American</b>	<b>Amer. Indian</b>	<b>Hispanic/ Latina</b>	<b>Laotian or Hmong</b>	<b>Other Asian</b>
<b>Total</b>	<b>72,002</b>	<b>74.4%</b>	<b>10.0%</b>	<b>1.6%</b>	<b>9.8%</b>	<b>1.9%</b>	<b>2.2%</b>
<b>DHS Regions</b>							
Southern	13,544	82.0	4.9	0.7	8.3	0.8	3.2
Southeastern	28,851	58.3	21.6	0.7	15.3	1.3	2.7
Northeastern	14,841	83.5	1.5	3.1	7.1	3.0	1.6
Western	9,339	91.8	0.8	1.3	3.0	2.1	1.0
Northern	5,427	86.3	0.6	4.9	2.8	4.0	1.3
<b>Perinatal Regions</b>							
South Central	15,106	81.0	4.5	0.7	10.0	0.7	3.0
Southeast	28,052	57.6	22.2	0.7	14.7	1.7	2.9
Fox Valley	7,262	87.7	1.2	1.1	5.9	2.5	1.5
Northeast	6,176	79.8	2.1	6.0	8.2	2.5	1.3
Western	8,457	91.9	0.9	1.1	2.8	2.3	1.0
North Central	5,593	88.6	0.6	2.3	3.2	3.9	1.3
Northwest	1,356	84.7	0.3	12.4	1.5	0.1	0.8

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: See Technical Notes (page 107) for definition of race/ethnicity categories. Included in the totals are 60 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 Services (DHS) and Perinatal Regions, see Technical Notes (pages 105 and 106).

**Table 2-14. Number of Births by Education of Mother and County of Residence, Wisconsin 2008**

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
<b>Total</b>	<b>72,002</b>	<b>2,778</b>	<b>7,852</b>	<b>20,117</b>	<b>18,633</b>	<b>15,392</b>	<b>6,839</b>
Adams	183	2	31	80	40	24	6
Ashland	198	1	30	64	70	19	14
Barron	505	26	58	181	161	54	21
Bayfield	126	1	8	34	46	30	7
Brown	3,451	120	430	925	859	789	320
Buffalo	138	5	6	44	37	40	6
Burnett	148	2	24	56	36	22	8
Calumet	633	20	27	160	150	154	119
Chippewa	811	34	56	257	247	165	52
Clark	576	225	31	136	133	44	6
Columbia	652	27	36	219	182	147	41
Crawford	196	2	15	79	65	25	9
Dane	6,224	178	459	1,123	1,341	1,874	1,222
Dodge	954	14	88	323	292	171	58
Door	253	5	23	85	64	49	24
Douglas	470	1	38	157	143	72	56
Dunn	425	5	31	143	115	79	51
Eau Claire	1,211	64	66	330	373	253	124
Florence	37	-	3	16	14	4	-
Fond du Lac	1,164	24	117	365	359	229	63
Forest	98	-	18	37	30	6	7
Grant	605	48	25	146	232	108	46
Green	390	6	27	122	140	72	23
Green Lake	218	35	16	67	46	38	13
Iowa	325	3	17	93	97	86	29
Iron	52	-	-	20	22	8	2
Jackson	242	27	25	87	62	29	12
Jefferson	1,011	31	88	297	271	206	110
Juneau	275	5	38	106	88	30	7
Kenosha	2,306	68	298	688	627	397	210
Kewaunee	212	4	14	67	83	30	14
La Crosse	1,334	22	69	306	455	330	146
Lafayette	214	18	10	51	78	44	11
Langlade	205	1	18	96	63	18	7
Lincoln	317	6	38	96	101	54	18
Manitowoc	932	30	118	313	250	157	57
Marathon	1,683	68	108	453	565	332	135
Marinette	396	4	47	140	114	73	15
Marquette	152	13	12	62	34	22	8
Menominee	130	1	23	61	39	3	3
Milwaukee	15,368	748	2,921	4,512	3,193	2,851	1,049
Monroe	674	87	68	217	185	94	18

(Continued)

**Table 2-14. Number of Births by Education of Mother and County of Residence, Wisconsin 2008**

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Oconto	351	5	35	101	122	65	23
Oneida	320	-	29	121	88	48	34
Outagamie	2,384	41	174	669	614	505	376
Ozaukee	822	6	26	116	183	313	169
Pepin	82	10	5	19	23	20	5
Pierce	405	1	12	114	117	95	66
Polk	508	3	31	190	169	76	39
Portage	719	6	56	198	211	150	92
Price	108	1	6	47	30	17	7
Racine	2,673	105	451	717	747	421	226
Richland	233	27	20	81	67	26	12
Rock	2,076	76	320	617	582	301	141
Rusk	160	11	18	49	49	25	8
St. Croix	1,081	1	29	208	342	314	182
Sauk	773	41	81	257	217	126	50
Sawyer	194	3	20	71	58	24	17
Shawano	451	23	40	157	134	55	41
Sheboygan	1,403	43	124	476	370	274	105
Taylor	254	27	10	83	88	41	4
Trempealeau	401	46	27	112	128	70	16
Vernon	444	128	24	104	104	58	24
Vilas	175	-	13	68	59	21	12
Walworth	1,191	58	167	386	266	223	87
Washburn	168	-	17	63	55	22	11
Washington	1,524	8	87	345	455	456	168
Waukesha	3,956	38	137	724	880	1,710	434
Waupaca	551	13	51	225	138	74	48
Waushara	205	33	24	69	41	27	10
Winnebago	1,955	29	187	572	505	421	230
Wood	941	14	56	344	289	182	55

Source: Office of Health Informatics, Division of Public Health, Department of Health 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 391 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 2008**

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
<b>Total</b>	<b>72,002</b>	<b>3.9%</b>	<b>10.9%</b>	<b>27.9%</b>	<b>25.9%</b>	<b>21.4%</b>	<b>9.5%</b>
Adams	183	1.1	16.9	43.7	21.9	13.1	3.3
Ashland	198	0.5	15.2	32.3	35.4	9.6	7.1
Barron	505	5.1	11.5	35.8	31.9	10.7	4.2
Bayfield	126	0.8	6.3	27.0	36.5	23.8	5.6
Brown	3,451	3.5	12.5	26.8	24.9	22.9	9.3
Buffalo	138	3.6	4.3	31.9	26.8	29.0	4.3
Burnett	148	1.4	16.2	37.8	24.3	14.9	5.4
Calumet	633	3.2	4.3	25.3	23.7	24.3	18.8
Chippewa	811	4.2	6.9	31.7	30.5	20.3	6.4
Clark	576	39.1	5.4	23.6	23.1	7.6	1.0
Columbia	652	4.1	5.5	33.6	27.9	22.5	6.3
Crawford	196	1.0	7.7	40.3	33.2	12.8	4.6
Dane	6,224	2.9	7.4	18.0	21.5	30.1	19.6
Dodge	954	1.5	9.2	33.9	30.6	17.9	6.1
Door	253	2.0	9.1	33.6	25.3	19.4	9.5
Douglas	470	0.2	8.1	33.4	30.4	15.3	11.9
Dunn	425	1.2	7.3	33.6	27.1	18.6	12.0
Eau Claire	1,211	5.3	5.5	27.3	30.8	20.9	10.2
Florence	37	-	8.1	43.2	37.8	10.8	-
Fond du Lac	1,164	2.1	10.1	31.4	30.8	19.7	5.4
Forest	98	-	18.4	37.8	30.6	6.1	7.1
Grant	605	7.9	4.1	24.1	38.3	17.9	7.6
Green	390	1.5	6.9	31.3	35.9	18.5	5.9
Green Lake	218	16.1	7.3	30.7	21.1	17.4	6.0
Iowa	325	0.9	5.2	28.6	29.8	26.5	8.9
Iron	52	-	-	38.5	42.3	15.4	3.8
Jackson	242	11.2	10.3	36.0	25.6	12.0	5.0
Jefferson	1,011	3.1	8.7	29.4	26.8	20.4	10.9
Juneau	275	1.8	13.8	38.5	32.0	10.9	2.5
Kenosha	2,306	2.9	12.9	29.8	27.2	17.2	9.1
Kewaunee	212	1.9	6.6	31.6	39.2	14.2	6.6
La Crosse	1,334	1.6	5.2	22.9	34.1	24.7	10.9
Lafayette	214	8.4	4.7	23.8	36.4	20.6	5.1
Langlade	205	0.5	8.8	46.8	30.7	8.8	3.4
Lincoln	317	1.9	12.0	30.3	31.9	17.0	5.7
Manitowoc	932	3.2	12.7	33.6	26.8	16.8	6.1
Marathon	1,683	4.0	6.4	26.9	33.6	19.7	8.0
Marinette	396	1.0	11.9	35.4	28.8	18.4	3.8
Marquette	152	8.6	7.9	40.8	22.4	14.5	5.3
Menominee	130	0.8	17.7	46.9	30.0	2.3	2.3
Milwaukee	15,368	4.9	19.0	29.4	20.8	18.6	6.8
Monroe	674	12.9	10.1	32.2	27.4	13.9	2.7

(Continued)

**Table 2-15. Percent of Births by Education of Mother and County of Residence, Wisconsin 2008**

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Oconto	351	1.4	10.0	28.8	34.8	18.5	6.6
Oneida	320	-	9.1	37.8	27.5	15.0	10.6
Outagamie	2,384	1.7	7.3	28.1	25.8	21.2	15.8
Ozaukee	822	0.7	3.2	14.1	22.3	38.1	20.6
Pepin	82	12.2	6.1	23.2	28.0	24.4	6.1
Pierce	405	0.2	3.0	28.1	28.9	23.5	16.3
Polk	508	0.6	6.1	37.4	33.3	15.0	7.7
Portage	719	0.8	7.8	27.5	29.3	20.9	12.8
Price	108	0.9	5.6	43.5	27.8	15.7	6.5
Racine	2,673	3.9	16.9	26.8	27.9	15.8	8.5
Richland	233	11.6	8.6	34.8	28.8	11.2	5.2
Rock	2,076	3.7	15.4	29.7	28.0	14.5	6.8
Rusk	160	6.9	11.3	30.6	30.6	15.6	5.0
St. Croix	1,081	0.1	2.7	19.2	31.6	29.0	16.8
Sauk	773	5.3	10.5	33.2	28.1	16.3	6.5
Sawyer	194	1.5	10.3	36.6	29.9	12.4	8.8
Shawano	451	5.1	8.9	34.8	29.7	12.2	9.1
Sheboygan	1,403	3.1	8.8	33.9	26.4	19.5	7.5
Taylor	254	10.6	3.9	32.7	34.6	16.1	1.6
Trempealeau	401	11.5	6.7	27.9	31.9	17.5	4.0
Vernon	444	28.8	5.4	23.4	23.4	13.1	5.4
Vilas	175	-	7.4	38.9	33.7	12.0	6.9
Walworth	1,191	4.9	14.0	32.4	22.3	18.7	7.3
Washburn	168	-	10.1	37.5	32.7	13.1	6.5
Washington	1,524	0.5	5.7	22.6	29.9	29.9	11.0
Waukesha	3,956	1.0	3.5	18.3	22.2	43.2	11.0
Waupaca	551	2.4	9.3	40.8	25.0	13.4	8.7
Waushara	205	16.1	11.7	33.7	20.0	13.2	4.9
Winnebago	1,955	1.5	9.6	29.3	25.8	21.5	11.8
Wood	941	1.5	6.0	36.6	30.7	19.3	5.8

Source: Office of Health Informatics, Division of Public Health, Department of Health 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 391 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 2008**

	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
<b>Total</b>	<b>72,002</b>	<b>2,778</b>	<b>7,852</b>	<b>20,117</b>	<b>18,633</b>	<b>15,392</b>	<b>6,839</b>
<b>DHS Regions</b>							
Southern	13,544	575	1,191	3,401	3,525	3,092	1,679
Southeastern	28,851	1,062	4,175	7,785	6,622	6,577	2,453
Northeastern	14,841	443	1,462	4,514	3,922	2,965	1,469
Western	9,339	570	611	2,669	2,830	1,804	827
Northern	5,427	128	413	1,748	1,734	954	411
<b>Perinatal Regions</b>							
South Central	15,106	534	1,407	3,901	3,893	3,438	1,843
Southeast	28,052	1,016	4,044	7,578	6,455	6,422	2,361
Fox Valley	7,262	208	608	2,189	1,887	1,470	867
Northeast	6,176	192	730	1,849	1,665	1,221	497
Western	8,457	461	522	2,391	2,583	1,702	771
North Central	5,593	359	404	1,744	1,720	942	385
Northwest	1,356	8	137	465	430	197	115

**Table 2-17. Percent of Births by Education of Mother and Region, Wisconsin 2008**

	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
<b>Total</b>	<b>72,002</b>	<b>3.9%</b>	<b>10.9%</b>	<b>27.9%</b>	<b>25.9%</b>	<b>21.4%</b>	<b>9.5%</b>
<b>DHS Regions</b>							
Southern	13,544	4.2	8.8	25.1	26.0	22.8	12.4
Southeastern	28,851	3.7	14.5	27.0	23.0	22.8	8.5
Northeastern	14,841	3.0	9.9	30.4	26.4	20.0	9.9
Western	9,339	6.1	6.5	28.6	30.3	19.3	8.9
Northern	5,427	2.4	7.6	32.2	32.0	17.6	7.6
<b>Perinatal Regions</b>							
South Central	15,106	3.5	9.3	25.8	25.8	22.8	12.2
Southeast	28,052	3.6	14.4	27.0	23.0	22.9	8.4
Fox Valley	7,262	2.9	8.4	30.1	26.0	20.2	11.9
Northeast	6,176	3.1	11.8	29.9	27.0	19.8	8.0
Western	8,457	5.5	6.2	28.3	30.5	20.1	9.1
North Central	5,593	6.4	7.2	31.2	30.8	16.8	6.9
Northwest	1,356	0.6	10.1	34.3	31.7	14.5	8.5

Source: Office of Health Informatics, Division of Public Health, Department of Health 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 391 births for which education of mother was not reported. For maps of the Department of Health Services (DHS) and Perinatal Regions, see Technical Notes (pages 105 and 106).

**Table 2-18. Number of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2008**

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
<b>Total</b>	<b>26,504</b>	<b>74</b>	<b>1,677</b>	<b>3,704</b>	<b>10,616</b>	<b>6,171</b>	<b>2,808</b>	<b>1,154</b>	<b>300</b>
Adams	84	-	9	21	30	14	8	1	1
Ashland	78	-	7	12	33	14	9	2	1
Barron	193	-	5	33	95	33	17	8	2
Bayfield	35	-	n/s	6	5	11	9	1	n/s
Brown	1,302	n/s	90	179	521	300	140	44	25
Buffalo	39	-	-	n/s	15	14	3	4	-
Burnett	66	-	n/s	12	31	15	5	-	-
Calumet	124	-	4	16	53	27	16	7	1
Chippewa	249	-	8	39	111	61	15	11	4
Clark	101	-	n/s	11	46	22	12	5	1
Columbia	201	-	7	26	89	48	15	12	4
Crawford	84	-	6	14	37	21	3	2	n/s
Dane	1,769	n/s	93	192	664	434	254	100	29
Dodge	289	-	11	47	120	68	28	10	5
Door	70	-	4	6	30	20	5	3	2
Douglas	201	-	9	26	95	43	24	4	-
Dunn	128	-	7	16	54	31	11	7	2
Eau Claire	383	-	9	47	161	110	40	13	3
Florence	16	-	n/s	n/s	9	1	1	n/s	-
Fond du Lac	395	n/s	20	52	182	84	36	14	6
Forest	47	-	5	6	22	10	3	-	n/s
Grant	182	-	10	28	78	37	16	12	1
Green	136	n/s	6	19	60	32	12	6	-
Green Lake	65	n/s	n/s	15	23	16	6	1	-
Iowa	75	-	n/s	6	41	9	11	5	-
Iron	22	-	-	n/s	11	6	2	1	-
Jackson	96	-	5	12	35	30	10	3	1
Jefferson	320	n/s	9	40	145	65	42	14	4
Juneau	99	-	n/s	20	39	24	10	2	n/s
Kenosha	1,007	n/s	74	161	400	226	94	44	6
Kewaunee	57	-	n/s	4	23	19	5	1	n/s
La Crosse	402	-	19	46	162	117	39	14	5
Lafayette	63	-	n/s	9	30	15	1	5	-
Langlade	86	-	n/s	17	46	9	7	5	-
Lincoln	114	-	8	19	49	24	7	7	-
Manitowoc	277	-	17	40	125	53	21	17	4
Marathon	470	n/s	19	71	179	109	55	24	12
Marinette	152	n/s	10	17	70	35	8	9	1
Marquette	44	-	n/s	4	21	9	5	2	-
Menominee	109	n/s	19	14	39	20	12	4	-
Milwaukee	8,485	40	694	1,211	3,225	1,954	914	368	79
Monroe	218	-	11	43	87	46	18	9	4

(Continued)

**Table 2-18. Number of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2008**

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Oconto	99	-	5	20	32	24	8	9	1
Oneida	103	-	n/s	22	44	16	15	3	1
Outagamie	599	-	45	69	245	123	68	39	10
Ozaukee	143	n/s	6	15	52	29	32	7	1
Pepin	16	-	-	n/s	5	5	4	1	-
Pierce	104	-	n/s	10	52	28	8	3	-
Polk	195	n/s	10	29	84	45	15	11	-
Portage	182	-	9	26	80	47	14	2	4
Price	33	-	n/s	n/s	12	8	3	3	-
Racine	1,271	n/s	93	176	491	316	126	48	17
Richland	80	-	5	18	30	17	7	2	1
Rock	973	6	61	133	405	203	107	49	9
Rusk	49	-	5	7	17	11	6	3	-
St. Croix	230	-	9	26	85	67	26	12	5
Sauk	260	-	11	42	108	62	26	9	2
Sawyer	98	n/s	5	12	35	30	12	3	-
Shawano	170	n/s	9	25	78	39	14	3	1
Sheboygan	406	n/s	27	63	154	91	54	13	3
Taylor	74	-	n/s	6	34	24	5	3	-
Trempealeau	136	-	n/s	18	60	33	14	8	-
Vernon	89	-	n/s	12	40	12	15	4	3
Vilas	78	-	5	12	30	20	8	3	-
Walworth	441	-	20	57	191	103	47	19	4
Washburn	51	-	n/s	9	25	9	2	3	n/s
Washington	345	-	26	55	124	84	35	16	5
Waukesha	753	n/s	22	79	312	201	89	37	12
Waupaca	189	-	10	35	75	44	16	8	1
Waushara	58	-	5	12	24	11	4	2	-
Winnebago	605	-	32	80	254	157	54	22	6
Wood	341	n/s	11	68	147	76	25	7	5

Source: Office of Health Informatics, Division of Public Health, Department of Health 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 2008**

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
<b>Total</b>	<b>26,504</b>	<b>0.3%</b>	<b>6.3%</b>	<b>14.0%</b>	<b>40.1%</b>	<b>23.3%</b>	<b>10.6%</b>	<b>4.4%</b>	<b>1.1%</b>
Adams	84	-	10.7	25.0	35.7	16.7	9.5	1.2	1.2
Ashland	78	-	9.0	15.4	42.3	17.9	11.5	2.6	1.3
Barron	193	-	2.6	17.1	49.2	17.1	8.8	4.1	1.0
Bayfield	35	-	n/s	17.1	14.3	31.4	25.7	2.9	n/s
Brown	1,302	n/s	6.9	13.7	40.0	23.0	10.8	3.4	1.9
Buffalo	39	-	-	n/s	38.5	35.9	7.7	10.3	-
Burnett	66	-	n/s	18.2	47.0	22.7	7.6	-	-
Calumet	124	-	3.2	12.9	42.7	21.8	12.9	5.6	0.8
Chippewa	249	-	3.2	15.7	44.6	24.5	6.0	4.4	1.6
Clark	101	-	n/s	10.9	45.5	21.8	11.9	5.0	1.0
Columbia	201	-	3.5	12.9	44.3	23.9	7.5	6.0	2.0
Crawford	84	-	7.1	16.7	44.0	25.0	3.6	2.4	n/s
Dane	1,769	n/s	5.3	10.9	37.5	24.5	14.4	5.7	1.6
Dodge	289	-	3.8	16.3	41.5	23.5	9.7	3.5	1.7
Door	70	-	5.7	8.6	42.9	28.6	7.1	4.3	2.9
Douglas	201	-	4.5	12.9	47.3	21.4	11.9	2.0	-
Dunn	128	-	5.5	12.5	42.2	24.2	8.6	5.5	1.6
Eau Claire	383	-	2.3	12.3	42.0	28.7	10.4	3.4	0.8
Florence	16	-	n/s	n/s	56.3	6.3	6.3	n/s	-
Fond du Lac	395	n/s	5.1	13.2	46.1	21.3	9.1	3.5	1.5
Forest	47	-	10.6	12.8	46.8	21.3	6.4	-	n/s
Grant	182	-	5.5	15.4	42.9	20.3	8.8	6.6	0.5
Green	136	n/s	4.4	14.0	44.1	23.5	8.8	4.4	-
Green Lake	65	n/s	n/s	23.1	35.4	24.6	9.2	1.5	-
Iowa	75	-	n/s	8.0	54.7	12.0	14.7	6.7	-
Iron	22	-	-	n/s	50.0	27.3	9.1	4.5	-
Jackson	96	-	5.2	12.5	36.5	31.3	10.4	3.1	1.0
Jefferson	320	n/s	2.8	12.5	45.3	20.3	13.1	4.4	1.3
Juneau	99	-	n/s	20.2	39.4	24.2	10.1	2.0	n/s
Kenosha	1,007	n/s	7.3	16.0	39.7	22.4	9.3	4.4	0.6
Kewaunee	57	-	n/s	7.0	40.4	33.3	8.8	1.8	n/s
La Crosse	402	-	4.7	11.4	40.3	29.1	9.7	3.5	1.2
Lafayette	63	-	n/s	14.3	47.6	23.8	1.6	7.9	-
Langlade	86	-	n/s	19.8	53.5	10.5	8.1	5.8	-
Lincoln	114	-	7.0	16.7	43.0	21.1	6.1	6.1	-
Manitowoc	277	-	6.1	14.4	45.1	19.1	7.6	6.1	1.4
Marathon	470	n/s	4.0	15.1	38.1	23.2	11.7	5.1	2.6
Marinette	152	n/s	6.6	11.2	46.1	23.0	5.3	5.9	0.7
Marquette	44	-	n/s	9.1	47.7	20.5	11.4	4.5	-
Menominee	109	n/s	17.4	12.8	35.8	18.3	11.0	3.7	-
Milwaukee	8,485	0.5	8.2	14.3	38.0	23.0	10.8	4.3	0.9
Monroe	218	-	5.0	19.7	39.9	21.1	8.3	4.1	1.8

(Continued)

**Table 2-19. Percent of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2008**

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Oconto	99	-	5.1	20.2	32.3	24.2	8.1	9.1	1.0
Oneida	103	-	n/s	21.4	42.7	15.5	14.6	2.9	1.0
Outagamie	599	-	7.5	11.5	40.9	20.5	11.4	6.5	1.7
Ozaukee	143	n/s	4.2	10.5	36.4	20.3	22.4	4.9	0.7
Pepin	16	-	-	n/s	31.3	31.3	25.0	6.3	-
Pierce	104	-	n/s	9.6	50.0	26.9	7.7	2.9	-
Polk	195	n/s	5.1	14.9	43.1	23.1	7.7	5.6	-
Portage	182	-	4.9	14.3	44.0	25.8	7.7	1.1	2.2
Price	33	-	n/s	n/s	36.4	24.2	9.1	9.1	-
Racine	1,271	n/s	7.3	13.8	38.6	24.9	9.9	3.8	1.3
Richland	80	-	6.3	22.5	37.5	21.3	8.8	2.5	1.3
Rock	973	0.6	6.3	13.7	41.6	20.9	11.0	5.0	0.9
Rusk	49	-	10.2	14.3	34.7	22.4	12.2	6.1	-
St. Croix	230	-	3.9	11.3	37.0	29.1	11.3	5.2	2.2
Sauk	260	-	4.2	16.2	41.5	23.8	10.0	3.5	0.8
Sawyer	98	n/s	5.1	12.2	35.7	30.6	12.2	3.1	-
Shawano	170	n/s	5.3	14.7	45.9	22.9	8.2	1.8	0.6
Sheboygan	406	n/s	6.7	15.5	37.9	22.4	13.3	3.2	0.7
Taylor	74	-	n/s	8.1	45.9	32.4	6.8	4.1	-
Trempealeau	136	-	n/s	13.2	44.1	24.3	10.3	5.9	-
Vernon	89	-	n/s	13.5	44.9	13.5	16.9	4.5	3.4
Vilas	78	-	6.4	15.4	38.5	25.6	10.3	3.8	-
Walworth	441	-	4.5	12.9	43.3	23.4	10.7	4.3	0.9
Washburn	51	-	n/s	17.6	49.0	17.6	3.9	5.9	n/s
Washington	345	-	7.5	15.9	35.9	24.3	10.1	4.6	1.4
Waukesha	753	n/s	2.9	10.5	41.4	26.7	11.8	4.9	1.6
Waupaca	189	-	5.3	18.5	39.7	23.3	8.5	4.2	0.5
Waushara	58	-	8.6	20.7	41.4	19.0	6.9	3.4	-
Winnebago	605	-	5.3	13.2	42.0	26.0	8.9	3.6	1.0
Wood	341	n/s	3.2	19.9	43.1	22.3	7.3	2.1	1.5

Source: Office of Health Informatics, Division of Public Health, Department of Health 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 2008**

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
<b>Total</b>	<b>26,504</b>	<b>74</b>	<b>1,677</b>	<b>3,704</b>	<b>10,616</b>	<b>6,171</b>	<b>2,808</b>	<b>1,154</b>	<b>300</b>
<b>DHS Regions</b>									
Southern	4,384	10	231	587	1,771	996	513	219	57
Southeastern	12,765	49	944	1,794	4,940	2,978	1,379	553	128
Northeastern	4,721	10	307	651	1,949	1,072	472	198	62
Western	2,857	n/s	112	388	1,220	720	269	119	28
Northern	1,777	n/s	83	284	736	405	175	65	25
<b>Perinatal Regions</b>									
South Central	4,972	11	251	658	2,030	1,131	584	246	61
Southeast	12,410	49	942	1,760	4,758	2,901	1,344	533	123
Fox Valley	2,079	n/s	122	283	877	471	205	95	24
Northeast	2,236	7	158	305	918	510	213	90	35
Western	2,562	n/s	98	349	1,083	653	238	110	30
North Central	1,694	n/s	78	270	715	377	161	66	24
Northwest	551	n/s	28	79	235	128	63	14	3

**Table 2-21. Percent of Births to Unmarried Mothers by Age and Region, Wisconsin 2008**

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
<b>Total</b>	<b>26,504</b>	<b>0.3%</b>	<b>6.3%</b>	<b>14.0%</b>	<b>40.1%</b>	<b>23.3%</b>	<b>10.6%</b>	<b>4.4%</b>	<b>1.1%</b>
<b>DHS Regions</b>									
Southern	4,384	0.2	5.3	13.4	40.4	22.7	11.7	5.0	1.3
Southeastern	12,765	0.4	7.4	14.1	38.7	23.3	10.8	4.3	1.0
Northeastern	4,721	0.2	6.5	13.8	41.3	22.7	10.0	4.2	1.3
Western	2,857	n/s	3.9	13.6	42.7	25.2	9.4	4.2	1.0
Northern	1,777	n/s	4.7	16.0	41.4	22.8	9.8	3.7	1.4
<b>Perinatal Regions</b>									
South Central	4,972	0.2	5.0	13.2	40.8	22.7	11.7	4.9	1.2
Southeast	12,410	0.4	7.6	14.2	38.3	23.4	10.8	4.3	1.0
Fox Valley	2,079	n/s	5.9	13.6	42.2	22.7	9.9	4.6	1.2
Northeast	2,236	0.3	7.1	13.6	41.1	22.8	9.5	4.0	1.6
Western	2,562	n/s	3.8	13.6	42.3	25.5	9.3	4.3	1.2
North Central	1,694	n/s	4.6	15.9	42.2	22.3	9.5	3.9	1.4
Northwest	551	n/s	5.1	14.3	42.6	23.2	11.4	2.5	0.5

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: For maps of the Department of Health Services (DHS) and Perinatal Regions, see Technical Notes (pages 105 and 106). 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 2008**

County	Total	Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
		First	Second	Third	No Care	2008	2007	2006
<b>Total</b>	<b>72,002</b>	<b>59,217</b>	<b>9,587</b>	<b>1,725</b>	<b>565</b>	<b>82.2%</b>	<b>82.8%</b>	<b>83.8%</b>
Adams	183	133	38	6	4	72.7	76.0	73.1
Ashland	198	155	38	2	2	78.3	78.0	87.7
Barron	505	406	71	25	1	80.4	78.8	81.6
Bayfield	126	112	10	2	1	88.9	86.0	89.1
Brown	3,451	2,852	469	80	16	82.6	82.6	86.5
Buffalo	138	113	23	2	-	81.9	82.4	84.1
Burnett	148	119	20	4	4	80.4	72.1	80.1
Calumet	633	568	53	9	1	89.7	89.5	87.7
Chippewa	811	698	81	13	5	86.1	87.2	85.5
Clark	576	316	209	45	3	54.9	59.9	59.6
Columbia	652	543	76	22	2	83.3	85.4	86.5
Crawford	196	149	37	6	1	76.0	79.2	81.0
Dane	6,224	5,469	600	76	11	87.9	87.6	89.0
Dodge	954	785	127	16	8	82.3	82.7	86.9
Door	253	216	31	5	1	85.4	90.3	84.7
Douglas	470	417	43	5	4	88.7	85.7	90.2
Dunn	425	326	91	8	-	76.7	83.3	80.8
Eau Claire	1,211	994	176	30	4	82.1	84.3	79.9
Florence	37	34	2	-	-	91.9	81.3	87.9
Fond du Lac	1,164	953	123	22	9	81.9	83.9	84.6
Forest	98	82	13	3	-	83.7	86.4	81.1
Grant	605	459	114	25	3	75.9	77.6	78.7
Green	390	347	35	7	-	89.0	91.1	86.7
Green Lake	218	156	38	17	2	71.6	66.8	69.8
Iowa	325	287	34	3	1	88.3	90.6	88.2
Iron	52	44	6	-	-	84.6	86.8	85.0
Jackson	242	181	32	19	3	74.8	72.0	74.5
Jefferson	1,011	859	119	22	6	85.0	84.7	84.1
Juneau	275	226	40	6	1	82.2	79.8	80.7
Kenosha	2,306	1,855	319	60	24	80.4	81.7	83.8
Kewaunee	212	186	20	4	1	87.7	87.9	89.2
La Crosse	1,334	1,131	172	26	5	84.8	82.1	84.7
Lafayette	214	155	40	14	2	72.4	83.4	83.2
Langlade	205	174	30	1	-	84.9	82.5	80.5
Lincoln	317	257	52	7	1	81.1	79.2	85.1
Manitowoc	932	819	88	17	5	87.9	85.9	87.5
Marathon	1,683	1,289	329	45	4	76.6	78.4	78.8
Marinette	396	313	73	5	3	79.0	82.6	81.8
Marquette	152	123	26	3	-	80.9	71.9	78.8
Menominee	130	96	26	4	2	73.8	78.4	70.1
Milwaukee	15,368	11,904	2,521	428	279	77.5	79.3	79.7
Monroe	674	497	110	52	10	73.7	69.7	73.1

(Continued)

**Table 2-22. Births by Trimester Prenatal Care Began and County of Residence, Wisconsin 2008**

County	Total	Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
		First	Second	Third	No Care	2008	2007	2006
Oconto	351	300	42	5	2	85.5	84.6	87.0
Oneida	320	295	20	2	2	92.2	89.5	90.2
Outagamie	2,384	2,079	234	43	10	87.2	87.0	86.8
Ozaukee	822	750	51	5	4	91.2	93.3	93.6
Pepin	82	67	12	2	-	81.7	72.5	75.8
Pierce	405	351	36	9	2	86.7	85.5	85.7
Polk	508	414	82	7	2	81.5	83.5	83.2
Portage	719	620	80	12	1	86.2	85.2	87.3
Price	108	89	16	1	-	82.4	81.5	81.3
Racine	2,673	2,077	439	103	31	77.7	79.6	77.1
Richland	233	179	36	12	2	76.8	78.6	79.5
Rock	2,076	1,736	238	46	12	83.6	83.3	85.6
Rusk	160	124	28	4	2	77.5	76.0	85.8
St. Croix	1,081	965	79	16	3	89.3	88.7	86.5
Sauk	773	648	95	18	4	83.8	82.8	84.2
Sawyer	194	131	53	10	-	67.5	72.1	72.6
Shawano	451	370	68	10	-	82.0	82.2	86.7
Sheboygan	1,403	1,202	155	16	3	85.7	81.2	83.9
Taylor	254	208	35	9	-	81.9	78.2	82.5
Trempealeau	401	291	87	18	1	72.6	74.8	80.5
Vernon	444	275	94	62	5	61.9	63.4	63.2
Vilas	175	140	29	3	2	80.0	80.9	80.4
Walworth	1,191	940	191	33	8	78.9	81.5	86.2
Washburn	168	130	30	6	-	77.4	82.2	82.8
Washington	1,524	1,353	124	23	3	88.8	89.2	90.7
Waukesha	3,956	3,626	228	40	10	91.7	91.4	92.9
Waupaca	551	469	64	7	2	85.1	88.0	84.5
Waushara	205	145	50	8	-	70.7	72.2	79.6
Winnebago	1,955	1,689	202	32	7	86.4	86.1	86.4
Wood	941	756	134	17	18	80.3	80.3	83.9

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Included in the totals are 908 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 2008**

	Total	Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
		First	Second	Third	No Care	2008	2007	2006
<b>Total</b>	<b>72,002</b>	<b>59,217</b>	<b>9,587</b>	<b>1,725</b>	<b>565</b>	<b>82.2%</b>	<b>82.8%</b>	<b>83.8%</b>
<b>DHS Regions</b>								
Southern	13,544	11,391	1,604	319	56	84.1	84.6	85.8
Southeastern	28,851	23,364	3,992	714	365	81.0	82.4	83.1
Northeastern	14,841	12,536	1,762	287	64	84.5	84.1	85.5
Western	9,339	7,540	1,382	291	49	80.7	80.8	81.4
Northern	5,427	4,386	847	114	31	80.8	80.8	82.6
<b>Perinatal Regions</b>								
South Central	15,106	12,766	1,783	306	64	84.5	85.0	86.4
Southeast	28,052	22,767	3,837	675	354	81.2	82.3	82.9
Fox Valley	7,262	6,182	790	141	31	85.1	85.1	85.3
Northeast	6,176	5,152	817	130	30	83.4	83.6	86.1
Western	8,457	6,858	1,183	295	42	81.1	81.3	81.4
North Central	5,593	4,384	977	149	33	78.4	78.8	80.4
Northwest	1,356	1,108	200	29	11	81.7	80.8	84.8

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Included in the totals are 908 births for which prenatal care initiation was not reported. For maps of the Department of Health Services (DHS) and Perinatal Regions, see Technical Notes (pages 105 and 106).

**Table 2-24. Births by Number of Prenatal Care Visits and County of Residence, Wisconsin 2008**

County	Total	Number of Prenatal Care Visits					Percent of Births With <10 Visits
		No Visits	1-4	5-9	10-12	13+	
<b>Total</b>	<b>72,002</b>	<b>569</b>	<b>1,997</b>	<b>13,265</b>	<b>31,495</b>	<b>23,308</b>	<b>22.0%</b>
Adams	183	4	6	42	87	37	28.4
Ashland	198	2	2	41	71	80	22.7
Barron	505	1	18	135	261	85	30.5
Bayfield	126	1	2	18	59	45	16.7
Brown	3,451	17	75	632	1,511	1,176	21.0
Buffalo	138	-	2	30	66	39	23.2
Burnett	148	4	8	26	63	47	25.7
Calumet	633	1	6	105	318	195	17.7
Chippewa	811	5	24	308	287	170	41.6
Clark	576	3	91	235	158	88	57.1
Columbia	652	3	11	148	263	214	24.8
Crawford	196	1	8	31	72	82	20.4
Dane	6,224	11	122	1,108	2,775	2,137	19.9
Dodge	954	8	7	156	421	326	17.9
Door	253	1	6	43	100	100	19.8
Douglas	470	4	12	98	179	175	24.3
Dunn	425	-	8	118	179	120	29.6
Eau Claire	1,211	5	45	230	509	413	23.1
Florence	37	-	1	3	11	22	10.8
Fond du Lac	1,164	9	42	523	407	157	49.3
Forest	98	-	4	17	39	37	21.4
Grant	605	3	34	168	261	133	33.9
Green	390	-	1	63	135	189	16.4
Green Lake	218	2	9	45	105	52	25.7
Iowa	325	1	4	64	172	82	21.2
Iron	52	-	-	7	20	24	13.5
Jackson	242	3	23	56	100	57	33.9
Jefferson	1,011	6	16	155	576	250	17.5
Juneau	275	1	11	75	114	73	31.6
Kenosha	2,306	24	50	311	1,068	721	16.7
Kewaunee	212	1	2	39	103	67	19.8
La Crosse	1,334	5	25	304	483	516	25.0
Lafayette	214	2	13	52	72	62	31.3
Langlade	205	-	1	48	111	44	23.9
Lincoln	317	1	5	52	154	105	18.3
Manitowoc	932	5	9	184	346	372	21.2
Marathon	1,683	4	40	388	790	444	25.7
Marinette	396	3	8	59	165	158	17.7
Marquette	152	-	4	58	64	26	40.8
Menominee	130	2	7	44	41	30	40.8
Milwaukee	15,368	279	569	2,746	6,655	4,760	23.4
Monroe	674	10	76	137	217	232	33.1

(Continued)

**Table 2-24. Births by Number of Prenatal Care Visits and County of Residence, Wisconsin 2008**

County	Total	Number of Prenatal Care Visits					Percent of Births With <10 Visits
		No Visits	1-4	5-9	10-12	13+	
Oconto	351	2	6	57	176	107	18.5
Oneida	320	2	1	31	119	165	10.6
Outagamie	2,384	10	43	429	1,135	745	20.2
Ozaukee	822	4	4	79	394	312	10.6
Pepin	82	-	3	17	35	26	24.4
Pierce	405	2	10	76	211	100	21.7
Polk	508	2	12	112	204	174	24.8
Portage	719	1	20	123	330	236	20.0
Price	108	-	3	21	59	25	22.2
Racine	2,673	31	73	487	1,062	999	22.1
Richland	233	3	15	47	108	53	27.9
Rock	2,076	13	29	247	1,031	695	13.9
Rusk	160	2	11	47	75	21	37.5
St. Croix	1,081	3	14	228	510	314	22.7
Sauk	773	4	26	128	358	248	20.4
Sawyer	194	-	10	76	88	19	44.3
Shawano	451	-	18	101	213	114	26.4
Sheboygan	1,403	3	22	158	450	630	13.0
Taylor	254	-	9	61	113	70	27.6
Trempealeau	401	1	17	119	151	109	34.2
Vernon	444	5	109	84	139	101	44.6
Vilas	175	1	7	25	70	69	18.9
Walworth	1,191	8	19	237	595	306	22.2
Washburn	168	-	6	48	73	41	32.1
Washington	1,524	3	7	127	577	784	9.0
Waukesha	3,956	10	37	327	1,963	1,546	9.5
Waupaca	551	2	8	129	266	134	25.2
Waushara	205	-	2	61	95	44	30.7
Winnebago	1,955	7	31	304	884	703	17.5
Wood	941	18	18	177	423	276	22.6

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Included in the totals are 1,368 births for which number of prenatal care visits was not reported. A dash (-) indicates that there were no births in that category.

**Table 2-25. Births by Number of Prenatal Care Visits and Region, Wisconsin 2008**

	Total	Number of Prenatal Care Visits					Percent of Births With <10 Visits
		No Visits	1-4	5-9	10-12	13+	
<b>Total</b>	<b>72,002</b>	<b>569</b>	<b>1,997</b>	<b>13,265</b>	<b>31,495</b>	<b>23,308</b>	<b>22.0%</b>
<b>DHS Regions</b>							
Southern	13,544	59	396	2,413	6,008	4,432	21.2
Southeastern	28,851	365	775	4,469	12,890	9,678	19.4
Northeastern	14,841	65	298	2,971	6,379	4,810	22.5
Western	9,339	50	405	2,324	3,761	2,727	29.8
Northern	5,427	30	123	1,088	2,457	1,661	22.9
<b>Perinatal Regions</b>							
South Central	15,106	67	314	2,690	6,968	4,805	20.3
Southeast	28,052	354	762	4,235	12,169	9,752	19.1
Fox Valley	7,262	31	145	1,654	3,274	2,056	25.2
Northeast	6,176	31	131	1,159	2,655	2,124	21.4
Western	8,457	43	394	1,985	3,424	2,538	28.6
North Central	5,593	32	211	1,228	2,452	1,602	26.3
Northwest	1,356	11	40	314	553	431	26.9

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Included in the totals are 1,368 births for which number of prenatal care visits was not reported. For maps of the Department of Health Services (DHS) and Perinatal Regions, see Technical Notes (pages 105 and 106).

**Table 2-26. Births by Birthweight and County of Residence, Wisconsin 2008**

County	Total Births	<1,500 Grams	1,500- 2,499 Grams	2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight	
						2008	2007
<b>Total</b>	<b>72,002</b>	<b>898</b>	<b>4,153</b>	<b>66,935</b>	<b>5,051</b>	<b>7.0%</b>	<b>7.0%</b>
Adams	183	4	8	171	12	6.6	10.4
Ashland	198	3	6	189	9	4.5	6.1
Barron	505	7	25	473	32	6.3	6.0
Bayfield	126	-	5	121	5	4.0	3.3
Brown	3,451	42	175	3,233	217	6.3	6.9
Buffalo	138	3	11	124	14	10.1	6.1
Burnett	148	-	11	137	11	7.4	6.6
Calumet	633	3	31	599	34	5.4	5.4
Chippewa	811	12	44	755	56	6.9	6.6
Clark	576	2	28	546	30	5.2	5.5
Columbia	652	8	40	604	48	7.4	5.7
Crawford	196	2	18	176	20	10.2	4.2
Dane	6,224	58	317	5,848	375	6.0	6.2
Dodge	954	10	50	893	60	6.3	5.5
Door	253	2	15	236	17	6.7	6.0
Douglas	470	6	27	437	33	7.0	6.5
Dunn	425	6	13	406	19	4.5	4.7
Eau Claire	1,211	8	52	1,151	60	5.0	5.9
Florence	37	-	3	34	3	8.1	-
Fond du Lac	1,164	14	62	1,088	76	6.5	6.0
Forest	98	1	8	89	9	9.2	9.3
Grant	605	4	31	570	35	5.8	4.5
Green	390	7	23	360	30	7.7	5.3
Green Lake	218	2	10	206	12	5.5	4.6
Iowa	325	2	12	311	14	4.3	3.9
Iron	52	1	2	49	3	5.8	2.6
Jackson	242	3	13	226	16	6.6	8.9
Jefferson	1,011	16	51	944	67	6.6	5.7
Juneau	275	2	13	259	15	5.5	5.5
Kenosha	2,306	35	164	2,105	199	8.6	8.0
Kewaunee	212	1	11	200	12	5.7	6.0
La Crosse	1,334	16	72	1,246	88	6.6	6.2
Lafayette	214	1	8	205	9	4.2	6.0
Langlade	205	2	8	195	10	4.9	6.0
Lincoln	317	2	15	300	17	5.4	9.1
Manitowoc	932	5	72	855	77	8.3	7.5
Marathon	1,683	19	82	1,582	101	6.0	6.5
Marinette	396	7	19	370	26	6.6	8.5
Marquette	152	2	8	142	10	6.6	4.2
Menominee	130	2	2	126	4	3.1	9.8
Milwaukee	15,368	278	1,097	13,988	1,375	8.9	9.2
Monroe	674	12	26	633	38	5.6	6.3

(Continued)

**Table 2-26. Births by Birthweight and County of Residence, Wisconsin 2008**

County	Total Births	<1,500 Grams	1,500-2,499 Grams	2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight	
						2008	2007
Oconto	351	4	17	330	21	6.0	6.3
Oneida	320	4	21	295	25	7.8	5.3
Outagamie	2,384	28	171	2,185	199	8.3	6.2
Ozaukee	822	7	39	776	46	5.6	5.4
Pepin	82	-	5	77	5	6.1	1.1
Pierce	405	2	19	384	21	5.2	4.1
Polk	508	7	15	486	22	4.3	6.0
Portage	719	11	33	675	44	6.1	6.1
Price	108	3	4	101	7	6.5	3.1
Racine	2,673	39	214	2,420	253	9.5	8.8
Richland	233	3	4	226	7	3.0	2.7
Rock	2,076	21	93	1,962	114	5.5	6.8
Rusk	160	2	9	149	11	6.9	7.3
St. Croix	1,081	6	60	1,015	66	6.1	5.3
Sauk	773	8	29	735	37	4.8	6.1
Sawyer	194	2	11	181	13	6.7	4.8
Shawano	451	4	22	425	26	5.8	7.3
Sheboygan	1,403	15	71	1,317	86	6.1	6.0
Taylor	254	2	16	236	18	7.1	6.6
Trempealeau	401	3	14	384	17	4.2	5.2
Vernon	444	4	19	421	23	5.2	5.1
Vilas	175	2	12	161	14	8.0	4.0
Walworth	1,191	9	52	1,130	61	5.1	6.4
Washburn	168	3	8	157	11	6.5	6.8
Washington	1,524	13	85	1,426	98	6.4	6.5
Waukesha	3,956	41	218	3,697	259	6.5	6.4
Waupaca	551	12	30	509	42	7.6	8.3
Waushara	205	1	7	197	8	3.9	6.5
Winnebago	1,955	15	119	1,821	134	6.9	7.5
Wood	941	17	48	875	65	6.9	5.4

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Included in the totals are 16 births for which birthweight was not reported. Infants weighing less than 2,500 grams (5.5 pounds) at birth are considered low birthweight. Infants weighing less than 1,500 grams (3.3 pounds) at birth are considered very low birthweight. A dash (-) indicates that there were no births in that category.



**Table 2-27. Births by Birthweight and Region, Wisconsin 2008**

	Total Births	<1,500 Grams	1,500- 2,499 Grams	2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight	
						2008	2007
<b>Total</b>	<b>72,002</b>	<b>898</b>	<b>4,153</b>	<b>66,935</b>	<b>5,051</b>	<b>7.0%</b>	<b>7.0%</b>
<b>DHS Regions</b>							
Southern	13,544	134	665	12,741	799	5.9	6.0
Southeastern	28,851	438	1,920	26,486	2,358	8.2	8.2
Northeastern	14,841	159	842	13,839	1,001	6.7	6.7
Western	9,339	98	452	8,786	550	5.9	5.9
Northern	5,427	69	274	5,083	343	6.3	6.0
<b>Perinatal Regions</b>							
South Central	15,106	153	731	14,218	884	5.9	6.0
Southeast	28,052	428	1,888	25,729	2,316	8.3	8.2
Fox Valley	7,262	77	438	6,747	515	7.1	6.5
Northeast	6,176	67	333	5,775	400	6.5	7.1
Western	8,457	91	406	7,957	497	5.9	5.8
North Central	5,593	67	287	5,238	354	6.3	6.1
Northwest	1,356	15	70	1,271	85	6.3	5.9

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Included in the totals are 16 births for which birthweight was not reported. Infants weighing less than 2,500 grams or 5.5 pounds at birth are considered low birthweight. Infants weighing less than 1,500 grams or 3.3 pounds at birth are considered very low birthweight. For maps of the Department of Health Services (DHS) and Perinatal Regions, see Technical Notes (pages 105 and 106).

**Table 2-28. Fetal, Neonatal, Postneonatal and Infant Deaths by County of Residence, Wisconsin 2008**

<b>County</b>	<b>Fetal Deaths (Gestation <math>\geq</math>20 weeks)</b>	<b>Neonatal Deaths (Age &lt;28 days)</b>	<b>+ Postneonatal Deaths (Age 28 days to 1 year)</b>	<b>= Infant Deaths (Age &lt; 1 year)</b>
<b>Total</b>	<b>387</b>	<b>329</b>	<b>172</b>	<b>501</b>
Adams	5	1	-	1
Ashland	1	2	-	2
Barron	1	-	1	1
Bayfield	-	-	-	-
Brown	14	8	8	16
Buffalo	-	-	1	1
Burnett	-	-	1	1
Calumet	2	1	1	2
Chippewa	3	3	4	7
Clark	4	1	1	2
Columbia	5	3	1	4
Crawford	1	-	1	1
Dane	39	28	13	41
Dodge	7	3	2	5
Door	-	1	-	1
Douglas	-	3	3	6
Dunn	-	1	1	2
Eau Claire	9	4	-	4
Florence	-	-	-	-
Fond du Lac	4	3	-	3
Forest	-	1	1	2
Grant	3	1	1	2
Green	4	2	1	3
Green Lake	3	1	1	2
Iowa	1	2	-	2
Iron	-	-	1	1
Jackson	2	-	1	1
Jefferson	1	7	2	9
Juneau	3	1	2	3
Kenosha	12	14	6	20
Kewaunee	2	2	-	2
La Crosse	7	4	1	5
Lafayette	5	1	-	1
Langlade	-	-	-	-
Lincoln	2	2	1	3
Manitowoc	6	5	2	7

(Continued)

**Table 2-28. Fetal, Neonatal, Postneonatal and Infant Deaths by County of Residence, Wisconsin 2008**

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	12	6	3	9
Marinette	3	2	1	3
Marquette	2	2	-	2
Menominee	1	-	-	-
Milwaukee	90	95	50	145
Monroe	5	5	4	9
Oconto	1	1	-	1
Oneida	-	1	-	1
Outagamie	5	12	7	19
Ozaukee	3	2	-	2
Pepin	1	1	-	1
Pierce	1	1	-	1
Polk	5	2	-	2
Portage	4	2	1	3
Price	1	-	-	-
Racine	12	14	11	25
Richland	1	1	1	2
Rock	12	7	6	13
Rusk	2	2	-	2
St. Croix	5	3	4	7
Sauk	4	2	3	5
Sawyer	3	1	-	1
Shawano	2	4	2	6
Sheboygan	8	10	1	11
Taylor	1	-	-	-
Trempealeau	1	-	1	1
Vernon	4	2	-	2
Vilas	3	1	-	1
Walworth	4	4	1	5
Washburn	1	1	-	1
Washington	6	8	1	9
Waukesha	18	18	11	29
Waupaca	3	3	-	3
Waushara	1	-	-	-
Winnebago	12	9	6	15
Wood	4	2	-	2
Unknown	-	-	-	-

Source: Fetal death and matched birth-death files, Office of Health Informatics, Division of Public Health, Department of Health 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 2008**

	Fetal Deaths (Gestation $\geq$ 20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
<b>Total</b>	<b>387</b>	<b>329</b>	<b>172</b>	<b>501</b>
<b>DHS Region</b>				
Southern	94	54	31	85
Southeastern	146	162	82	244
Northeastern	69	64	29	93
Western	47	31	23	54
Northern	31	18	7	25
<b>Perinatal Regions</b>				
South Central	94	63	33	96
Southeast	149	161	80	241
Fox Valley	32	31	15	46
Northeast	29	23	13	36
Western	45	26	19	45
North Central	33	18	7	25
Northwest	5	7	5	12

**Table 2-30. Rates of Fetal, Neonatal, Postneonatal and Infant Deaths by Region, Wisconsin 2008**

	Fetal Deaths (Gestation $\geq$ 20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
<b>Total</b>	<b>5.3</b>	<b>4.6</b>	<b>2.4</b>	<b>7.0</b>
<b>DHS Region</b>				
Southern	6.9	4.0	2.3	6.3
Southeastern	5.0	5.6	2.8	8.5
Northeastern	4.6	4.3	2.0	6.3
Western	5.0	3.3	2.5	5.8
Northern	5.7	-	-	4.6
<b>Perinatal Regions</b>				
South Central	6.2	4.2	2.2	6.4
Southeast	5.3	5.7	2.9	8.6
Fox Valley	4.4	4.3	-	6.3
Northeast	4.7	3.7	-	5.8
Western	5.3	3.1	-	5.3
North Central	5.9	-	-	4.5
Northwest	-	-	-	-

Source: Fetal death and matched birth-death files, Office of Health Informatics, Division of Public Health, Department of Health 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 2008**

<b>City of Residence</b>	<b>Fetal Deaths (Gestation <math>\geq</math>20 weeks)</b>	<b>Neonatal Deaths (Age &lt;28 days)</b>	<b>+ Postneonatal Deaths (Age 28 days to 1 year)</b>	<b>= Infant Deaths (Age &lt; 1 year)</b>
Appleton	3	4	5	9
Beloit	4	2	2	4
Brookfield	1	1	-	1
Caledonia (V)	-	-	1	1
De Pere	1	1	-	1
Eau Claire	4	3	-	3
Fitchburg	4	1	-	1
Fond du Lac	4	2	-	2
Franklin	-	2	1	3
Grand Chute	-	2	-	2
Green Bay	9	7	7	14
Greenfield	1	-	1	1
Janesville	4	4	4	8
Kenosha	8	11	4	15
La Crosse	3	4	1	5
Madison	18	19	7	26
Manitowoc	4	2	-	2
Menomonee Falls (V)	1	3	-	3
Mequon/Thiensville	1	1	-	1
Milwaukee	83	81	41	122
Mount Pleasant (V)	-	1	1	2
Muskego	1	1	-	1
Neenah/Menasha	2	4	1	5
New Berlin	-	3	1	4
Oak Creek	1	1	1	2
Oshkosh	8	3	4	7
Racine	9	10	7	17
Sheboygan	5	9	1	10
South Milwaukee	-	1	1	2
Stevens Point	2	2	1	3
Sun Prairie	6	2	1	3
Superior	-	3	1	4
Watertown	3	1	1	2
Waukesha	6	4	6	10
Wausau	5	2	2	4
Wauwatosa	-	1	1	2
West Allis	3	3	3	6
West Bend	1	3	-	3

Source: Fetal death and matched birth-death files, Office of Health Informatics, Division of Public Health, Department of Health 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 1980-2008**

County	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
<b>Total</b>	<b>74,763</b>	<b>74,309</b>	<b>74,327</b>	<b>72,499</b>	<b>73,050</b>	<b>73,647</b>	<b>72,229</b>	<b>70,907</b>	<b>70,711</b>	<b>71,890</b>
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 1980-2008**

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 1980-2008**

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

(Continued)



**Table 3-1. Number of Births by County of Residence, Wisconsin 1980-2008**

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 1980-2008**

County	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Total</b>	<b>69,289</b>	<b>69,012</b>	<b>68,510</b>	<b>69,999</b>	<b>70,130</b>	<b>70,934</b>	<b>72,302</b>	<b>72,757</b>	<b>72,002</b>
Adams	158	179	160	161	162	159	160	154	183
Ashland	224	190	211	208	184	198	203	214	198
Barron	466	472	514	540	527	528	566	548	505
Bayfield	141	135	151	111	140	121	138	121	126
Brown	3,212	3,232	3,282	3,364	3,211	3,332	3,441	3,518	3,451
Buffalo	163	143	160	150	155	147	151	148	138
Burnett	136	155	172	138	144	159	166	136	148
Calumet	513	597	566	640	701	630	690	679	633
Chippewa	673	672	695	681	719	738	809	786	811
Clark	496	518	526	532	564	581	570	561	576
Columbia	616	651	622	646	637	691	637	679	652
Crawford	183	199	185	224	177	201	195	168	196
Dane	5,555	5,520	5,561	5,725	5,995	6,055	6,104	6,198	6,224
Dodge	994	926	950	963	980	910	979	962	954
Door	232	262	226	265	232	258	248	248	253
Douglas	513	513	474	501	485	466	490	510	470
Dunn	483	445	464	470	453	511	521	467	425
Eau Claire	1,116	1,146	1,098	1,110	1,105	1,178	1,177	1,215	1,211
Florence	36	40	36	37	33	37	33	32	37
Fond du Lac	1,151	1,091	1,132	1,209	1,117	1,187	1,188	1,257	1,164
Forest	114	100	100	122	108	114	106	118	98
Grant	540	547	548	584	590	559	615	576	605
Green	402	397	377	397	404	447	435	472	390
Green Lake	219	230	222	231	229	204	222	217	218
Iowa	263	310	301	308	312	320	321	308	325
Iron	40	48	42	53	42	45	40	38	52
Jackson	233	205	226	231	244	237	251	257	242
Jefferson	931	914	960	980	1,020	1,028	1,043	1,026	1,011
Juneau	275	252	298	285	293	277	301	307	275
Kenosha	2,151	2,119	2,091	2,160	2,125	2,133	2,212	2,142	2,306
Kewaunee	224	243	235	255	235	232	231	199	212
La Crosse	1,234	1,260	1,253	1,247	1,259	1,292	1,323	1,304	1,334
Lafayette	174	200	194	173	223	207	196	217	214
Langlade	209	213	238	212	216	202	226	217	205
Lincoln	281	329	334	284	315	275	348	318	317
Manitowoc	894	908	846	867	889	855	855	914	932

(Continued)

**Table 3-1. Number of Births by County of Residence, Wisconsin 1980-2008**

County	2000	2001	2002	2003	2004	2005	2006	2007	2008
Marathon	1,520	1,534	1,503	1,546	1,531	1,554	1,633	1,760	1,683
Marinette	457	386	395	458	423	460	411	448	396
Marquette	146	162	150	165	156	182	156	167	152
Menominee	93	93	85	90	102	104	117	102	130
Milwaukee	14,846	14,727	14,332	14,793	14,635	14,906	15,195	15,318	15,368
Monroe	602	593	559	624	587	615	633	666	674
Oconto	383	392	383	392	400	388	400	397	351
Oneida	316	278	327	301	333	355	296	304	320
Outagamie	2,289	2,244	2,337	2,255	2,294	2,291	2,252	2,281	2,384
Ozaukee	869	867	925	874	883	852	842	864	822
Pepin	79	88	84	79	91	99	95	91	82
Pierce	412	383	411	481	466	443	461	442	405
Polk	454	508	435	477	508	506	542	521	508
Portage	805	743	706	772	710	726	747	782	719
Price	125	139	137	123	137	130	107	130	108
Racine	2,650	2,581	2,540	2,539	2,499	2,623	2,652	2,623	2,673
Richland	201	204	207	205	231	228	229	220	233
Rock	2,075	2,028	1,966	2,055	2,002	2,052	2,125	2,161	2,076
Rusk	148	185	160	170	150	163	134	179	160
St. Croix	908	912	998	1,018	1,138	1,193	1,220	1,195	1,081
Sauk	755	701	722	730	764	785	796	816	773
Sawyer	182	182	171	157	184	205	223	208	194
Shawano	470	462	464	479	473	478	513	510	451
Sheboygan	1,437	1,339	1,380	1,376	1,382	1,481	1,422	1,407	1,403
Taylor	247	246	230	242	240	246	229	257	254
Trempealeau	322	330	284	338	359	331	333	385	401
Vernon	390	377	381	409	432	403	438	415	444
Vilas	155	194	189	186	188	164	204	199	175
Walworth	1,102	1,136	1,161	1,160	1,147	1,209	1,266	1,231	1,191
Washburn	163	156	159	183	168	173	198	191	168
Washington	1,490	1,484	1,517	1,489	1,429	1,495	1,537	1,518	1,524
Waukesha	4,357	4,421	4,268	4,311	4,362	4,108	4,140	4,067	3,956
Waupaca	567	602	598	596	556	537	566	592	551
Waushara	225	232	239	247	260	241	245	263	205
Winnebago	1,926	1,851	1,845	1,745	1,839	1,826	1,887	1,931	1,955
Wood	878	891	812	870	846	868	867	885	941
Unknown	-	-	-	-	-	-	-	-	-

Source: Office of Health Informatics, Division of Public Health, Department of Health 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. The 2004 births total initially reported has been corrected. A dash (-) indicates there were no births in that category.

**Table 3-2. Number and Rate of Births by Age of Mother, Wisconsin 1985-2008**

		Crude Rate	Age of Mother						
Year			Total	<15	15-17	<18	18-19	15-19	<20
1985	Number		73,647	123	2,389	2,512	4,976	7,365	7,488
	Rate	15.4	64.2		21.8	21.7	62.4	38.8	39.4
1986	Number		72,229	121	2,340	2,461	4,679	7,019	7,140
	Rate	15.1	63.9		21.2	20.9	60.6	37.1	37.8
1987	Number		70,907	114	2,369	2,483	4,425	6,794	6,908
	Rate	14.7	63.7		22.1	21.6	58.0	36.5	37.1
1988	Number		70,711	133	2,322	2,455	4,486	6,808	6,941
	Rate	14.6	62.6		22.7	22.8	59.5	38.4	39.2
1989	Number		71,890	141	2,416	2,557	4,707	7,123	7,264
	Rate	14.8	63.8		24.5	25.4	62.5	40.7	42.6
1990	Number		72,636	148	2,337	2,485	4,925	7,262	7,410
	Rate	14.8	64.5		24.3	24.3	65.7	42.4	43.3
1991	Number		72,039	147	2,440	2,587	4,828	7,268	7,415
	Rate	14.6	63.4		24.9	24.9	71.1	43.8	44.7
1992	Number		70,662	159	2,427	2,586	4,622	7,049	7,208
	Rate	14.2	62.2		23.9	23.9	70.1	42.1	43.0
1993	Number		69,760	175	2,481	2,656	4,576	7,057	7,232
	Rate	13.8	61.4		23.8	23.8	67.7	41.0	42.0
1994	Number		68,267	161	2,497	2,658	4,379	6,876	7,037
	Rate	13.4	59.9		23.0	23.0	63.8	38.8	39.7
1995	Number		67,493	182	2,549	2,731	4,379	6,928	7,110
	Rate	13.2	58.9		22.5	22.5	62.7	37.8	38.8
1996	Number		67,076	143	2,507	2,650	4,453	6,963	7,103
	Rate	13.0	58.2		21.4	21.4	61.9	36.8	37.5
1997	Number		66,490	163	2,541	2,704	4,384	6,925	7,088
	Rate	12.7	57.6		21.1	21.1	58.5	35.5	36.3
1998	Number		67,379	111	2,366	2,477	4,570	6,936	7,047
	Rate	12.8	58.1		19.4	19.4	57.7	34.5	35.1
1999	Number		68,181	116	2,432	2,548	4,760	7,192	7,308
	Rate	12.9	58.8		20.2	20.2	57.4	35.4	36.0
2000	Number		69,289	99	2,225	2,324	4,753	6,978	7,077
	Rate	12.9	59.9		18.8	19.6	59.4	35.2	35.7
2001	Number		69,012	80	2,167	2,247	4,602	6,769	6,849
	Rate	12.7	59.0		18.1	18.8	56.9	33.9	34.2
2002	Number		68,510	108	1,898	2,006	4,528	6,426	6,534
	Rate	12.6	58.7		16.0	17.0	55.5	32.2	32.7
2003	Number		69,999	85	1,861	1,946	4,371	6,232	6,317
	Rate	12.7	60.4		15.5	16.3	54.6	31.2	31.6
2004	Number		70,130	91	1,856	1,947	4,230	5,995	6,086
	Rate	12.7	60.3		15.7	15.7	52.1	30.0	30.5
2005	Number		70,934	86	1,776	1,862	4,231	6,007	6,093
	Rate	12.7	61.2		14.9	15.6	52.5	30.1	30.5
2006	Number		72,302	92	1,840	1,932	4,168	6,008	6,100
	Rate	12.9	63.4		15.6	16.4	53.1	30.6	31.1
2007	Number		72,757	80	1,874	1,954	4,366	6,240	6,320
	Rate	12.9	64.5		16.0	16.7	56.0	32.0	32.4
2008	Number		72,002	76	1,783	1,859	4,237	6,020	6,096
	Rate	12.7	64.2		15.4	16.1	53.4	30.9	31.3

(Continued)

**Table 3-2. Number and Rate of Births by Age of Mother, Wisconsin 1985-2008**

Year		Age of Mother							
		20-24	25-29	30-34	35-39	40+	40-44	45+	Unknown
1985	Number	22,021	25,693	14,170	3,769	505	473	32	1
	Rate	101.9	117.3	67.2	22.3	3.6	3.3		
1986	Number	20,342	25,718	14,374	4,121	534	499	35	
	Rate	103.3	120.2	70.5	23.0	3.6	3.4		
1987	Number	19,015	25,393	14,709	4,353	528	498	30	1
	Rate	103.9	119.8	72.8	24.1	3.5	3.3		
1988	Number	18,018	25,267	15,338	4,474	669	630	39	4
	Rate	94.2	116.6	73.9	24.1	4.4	4.2		
1989	Number	17,800	25,265	15,922	4,909	721	683	38	9
	Rate	96.8	118.8	75.2	25.8	4.5	4.3		
1990	Number	17,477	24,956	16,626	5,393	768	730	38	6
	Rate	96.2	123.7	78.7	27.8	4.6	4.4		
1991	Number	17,407	23,958	16,960	5,481	817	773	44	1
	Rate	94.9	123.1	79.5	27.5	4.5	4.3		
1992	Number	16,597	22,918	17,269	5,756	905	859	46	9
	Rate	91.7	121.5	81.1	28.3	5.0	4.7		
1993	Number	16,056	22,154	17,347	6,024	942	898	44	5
	Rate	90.9	121.0	82.4	29.1	5.1	4.8		
1994	Number	15,331	20,961	17,642	6,292	997	955	42	7
	Rate	89.5	117.9	84.6	29.6	5.2	4.9		
1995	Number	14,874	20,374	17,442	6,612	1,074	1,026	48	7
	Rate	88.7	115.4	85.4	30.7	5.4	5.2		
1996	Number	14,331	20,279	17,254	6,931	1,175	1,132	43	3
	Rate	87.4	115.0	86.6	31.6	5.7	5.5		
1997	Number	13,972	19,994	17,198	7,008	1,228	1,172	56	2
	Rate	84.8	115.5	89.0	32.0	5.9	5.9		
1998	Number	14,632	19,932	17,126	7,385	1,252	1,191	61	5
	Rate	86.8	117.7	90.5	33.8	5.9	5.6		
1999	Number	14,986	19,716	17,407	7,427	1,328	1,257	71	9
	Rate	86.9	119.8	93.8	34.3	6.1	5.8		
2000	Number	15,606	19,594	17,692	7,776	1,539	1,463	76	5
	Rate	89.2	119.5	96.2	35.7	7.0	6.7		
2001	Number	15,951	19,176	17,745	7,737	1,552	1,480	72	2
	Rate	90.2	115.8	95.5	35.2	7.0	6.7		
2002	Number	15,688	19,462	17,527	7,746	1,544	1,478	66	9
	Rate	80.7	121.8	97.3	37.6	6.8	6.5		
2003	Number	16,011	20,157	17,855	8,087	1,557	1,486	71	15
	Rate	80.9	123.7	102.6	40.8	6.9	6.6		
2004	Number	16,304	20,513	17,541	7,946	1,726	1,649	77	14
	Rate	81.0	120.4	102.6	41.1	7.6	7.3		
2005	Number	16,430	21,305	17,387	8,070	1,639	1,564	75	10
	Rate	81.5	119.4	104.1	42.4	7.3	7.0		
2006	Number	17,163	22,235	16,886	8,200	1,702	1,611	91	16
	Rate	86.5	126.9	101.1	43.6	7.9	7.5		
2007	Number	16,969	22,557	17,269	7,958	1,672	1,575	97	12
	Rate	87.7	124.6	104.0	43.1	8.0	7.6		
2008	Number	16,828	22,383	17,381	7,653	1,636	1,533	103	25
	Rate	86.5	121.8	104.2	42.3	8.1	7.6		

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Rates shown for ages <18 and <20 include births to mothers less than 15 years old, with population ages 15-17 and 15-19, respectively. Rates shown for age 40+ include births to mothers ages 45 or older, with population ages 40-44. See Technical Notes (page 107) for an explanation of birth rate calculations.

**Table 3-3. Total Births and Births to Teenagers and Unmarried Mothers, Wisconsin 1980-2008**

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	70,130	12.7	1,856	2.6	4,230	6.0	22,151	31.6
2005	70,934	12.7	1,862	2.6	4,231	6.0	23,244	32.8
2006	72,302	12.9	1,932	2.7	4,168	5.8	24,809	34.3
2007	72,757	12.9	1,954	2.7	4,366	6.0	26,020	35.8
2008	72,002	12.7	1,859	2.6	4,237	5.9	26,504	36.8

Source: Office of Health Informatics, Division of Public Health, Department of Health 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 1980-2008**

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	4,906	7.0	7,702	11.0	971	13.8
2005	8,030	11.3	60,309	85.0	4,992	7.0	8,033	11.3	916	12.9
2006	8,628	11.9	60,610	83.8	4,994	6.9	8,104	11.2	1,142	15.8
2007	8,518	11.7	60,275	82.8	5,089	7.0	8,072	11.1	1,259	17.3
2008	8,507	11.8	59,217	82.2	5,051	7.0	7,970	11.1	1,117	15.5

Source: Office of Health Informatics, Division of Public Health, Department of Health 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. Beginning 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 was 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. Caution is advised in making comparisons between data for 1989-2007 and data for the years before 1989.

See Technical Notes (page 107) regarding comparability of data on congenital anomalies since 1989.

**Table 3-5. Infant, Neonatal, Fetal and Perinatal Deaths and Mortality Rates, Wisconsin 1980-2008**

Year	<u>Infant Deaths</u>			<u>Neonatal Deaths</u>			<u>Fetal Deaths</u>			<u>Perinatal Deaths</u>		
	Wisconsin Number	Rate*	U.S. Rate*	Wisconsin Number	Rate*	U.S. Rate*	Wisconsin Number	Rate**	U.S. Rate**	Wisconsin Number	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	6.8	309	4.4	4.6	344	4.9	6.2	653	9.3	n/a
2004	420	6.0	6.8	280	4.0	4.5	352	5.0	n/a	632	9.0	n/a
2005	469	6.6	6.9	319	4.5	4.5	363	5.1	n/a	682	9.6	n/a
2006	462	6.4	n/a	311	4.3	n/a	384	5.3	n/a	695	9.6	n/a
2007	469	6.4	n/a	292	4.0	n/a	386	5.3	n/a	678	9.3	n/a
2008	501	7.0	n/a	329	4.6	n/a	387	5.3	n/a	716	9.9	n/a

Source: Office of Health Informatics, Division of Public Health, Department of Health 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 108) for definition of perinatal deaths.



**Table 3-6. Infant Deaths and Mortality Rates by Race/Ethnicity, Wisconsin 1985-2008**

Year	White			Black/African American			Hispanic/Latino			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
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	5.7	98	15.3	13.6	38	6.9	5.7	454	6.5	6.8
2004	245	4.5	5.7	125	19.2	13.6	30	5.1	5.6	420	6.0	6.8
2005	302	5.6	5.8	101	15.0	13.6	42	6.7	5.6	469	6.6	6.9
2006	268	4.9	n/a	121	17.2	n/a	43	6.3	n/a	462	6.4	n/a
2007	290	5.3	n/a	105	14.5	n/a	44	6.4	n/a	469	6.4	n/a
2008	315	5.9	n/a	100	13.8	n/a	49	7.0	n/a	501	7.0	n/a

Source: Office of Health Informatics, Division of Public Health, Department of Health 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 107) 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, MacDorman MF. Infant mortality statistics from the 2005 period linked birth/infant death data set. National Vital Statistics Reports; vol. 57, no. 2. Hyattsville, Maryland: National Center for Health Statistics. 2008.

**Table 4-1. Number of Births by Age of Mother and Selected Characteristics, Wisconsin 2008**

	<b>Total</b>	<b>&lt;15</b>	<b>15-17</b>	<b>18-19</b>	<b>20-24</b>	<b>25-29</b>	<b>30-34</b>	<b>35-39</b>	<b>40-44</b>	<b>45+</b>
<b>Total</b>	<b>72,002</b>	<b>76</b>	<b>1,783</b>	<b>4,237</b>	<b>16,828</b>	<b>22,383</b>	<b>17,381</b>	<b>7,653</b>	<b>1,533</b>	<b>103</b>
<b>Education</b>										
Elem. or Less	2,778	64	116	95	662	769	645	302	114	11
Some H.S.	7,852	12	1,499	1,331	2,506	1,483	696	257	61	7
H.S. Grad	20,117	-	150	2,374	7,660	5,495	2,893	1,237	287	20
Some College	18,633	-	-	415	4,775	6,747	4,427	1,866	377	26
College Grad	15,392	-	-	-	980	5,834	5,637	2,483	433	25
Post-Grad	6,839	-	5	1	146	1,952	3,008	1,461	252	14
Unknown	391	-	13	21	99	103	75	47	9	-
<b>Marital Status</b>										
Married	45,473	2	106	533	6,212	16,212	14,573	6,499	1,252	84
Unmarried	26,504	74	1,677	3,704	10,616	6,171	2,808	1,154	281	19
Unknown	25	-	-	-	-	-	-	-	-	-
<b>Trimester Prenatal Care Began</b>										
First	59,217	37	1,041	2,956	12,809	19,187	15,267	6,625	1,215	79
Second	9,587	26	565	978	3,043	2,392	1,587	764	216	16
Third	1,725	5	108	177	557	421	262	139	53	3
None	565	5	44	54	168	134	83	35	23	2
Unknown	908	3	25	72	251	249	182	90	26	3
<b>Number of Prenatal Care Visits</b>										
No Visits	569	5	44	54	170	134	85	35	23	2
1-4	1,997	2	112	178	644	499	317	173	68	4
5-9	13,265	25	502	1,112	3,683	3,718	2,698	1,208	297	22
10-12	31,495	28	695	1,633	6,944	10,042	8,062	3,456	600	35
13+	23,308	14	395	1,135	5,042	7,590	5,943	2,642	510	36
Unknown	1,368	2	35	125	345	400	276	139	35	4
<b>Smoked During Pregnancy</b>										
No	61,561	69	1,508	3,237	12,967	19,404	15,850	7,028	1,393	91
Yes	10,133	6	265	979	3,786	2,894	1,461	591	135	10
Unknown	308	1	10	21	75	85	70	34	5	2
<b>Live Birth Order</b>										
1	28,260	75	1,628	3,285	8,341	8,665	4,509	1,494	235	15
2	23,340	1	145	807	5,564	7,604	6,359	2,418	417	20
3	11,893	-	9	128	2,077	3,728	3,776	1,861	294	15
4	4,854	-	-	12	641	1,500	1,504	960	216	21
5+	3,653	-	1	5	205	885	1,233	919	371	32
Unknown	2	-	-	-	-	1	-	1	-	-
<b>Plurality</b>										
Single Birth	69,715	76	1,763	4,153	16,448	21,708	16,698	7,284	1,474	86
Multiple Birth	2,287	-	20	84	380	675	683	369	59	17
<b>Prematurity</b>										
Full-Term (37+ Weeks)	64,022	62	1,500	3,679	15,015	20,116	15,550	6,676	1,322	81
Premature (<37 Weeks)	7,970	14	283	558	1,811	2,264	1,829	976	211	22
Unknown	10	-	-	-	2	3	2	1	-	-
<b>Attendant at Birth</b>										
Physician, M.D.	61,068	59	1,435	3,445	13,939	18,961	15,101	6,694	1,329	84
Physician, D.O.	4,304	7	101	250	1,090	1,359	986	440	64	6
Cert. Nurse Midwife	5,416	10	242	532	1,550	1,682	991	337	65	7
Other Midwife	466	-	-	4	69	147	138	82	25	1
Other	748	-	5	6	180	234	165	100	50	5
Unknown	-	-	-	-	-	-	-	-	-	-

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Included in the totals are 25 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 2008**

	<b>Total</b>	<b>&lt;15</b>	<b>15-17</b>	<b>18-19</b>	<b>20-24</b>	<b>25-29</b>	<b>30-34</b>	<b>35-39</b>	<b>40-44</b>	<b>45+</b>
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Education</b>										
Elem. or Less	3.9	84.2	6.5	2.2	3.9	3.4	3.7	3.9	7.4	10.7
Some H.S.	10.9	15.8	84.1	31.4	14.9	6.6	4.0	3.4	4.0	6.8
H.S. Grad	27.9	-	8.4	56.0	45.5	24.5	16.6	16.2	18.7	19.4
Some College	25.9	-	-	9.8	28.4	30.1	25.5	24.4	24.6	25.2
College Grad	21.4	-	-	-	5.8	26.1	32.4	32.4	28.2	24.3
Post-Grad	9.5	-	0.3	0.0	0.9	8.7	17.3	19.1	16.4	13.6
Unknown	0.5	-	0.7	0.5	0.6	0.5	0.4	0.6	0.6	-
<b>Marital Status</b>										
Married	63.2	2.6	5.9	12.6	36.9	72.4	83.8	84.9	81.7	81.6
Unmarried	36.8	97.4	94.1	87.4	63.1	27.6	16.2	15.1	18.3	18.4
Unknown	0.0	-	-	-	-	-	-	-	-	-
<b>Trimester Prenatal Care Began</b>										
First	82.2	48.7	58.4	69.8	76.1	85.7	87.8	86.6	79.3	76.7
Second	13.3	34.2	31.7	23.1	18.1	10.7	9.1	10.0	14.1	15.5
Third	2.4	6.6	6.1	4.2	3.3	1.9	1.5	1.8	3.5	2.9
None	0.8	6.6	2.5	1.3	1.0	0.6	0.5	0.5	1.5	1.9
Unknown	1.3	3.9	1.4	1.7	1.5	1.1	1.0	1.2	1.7	2.9
<b>Number of Prenatal Care Visits</b>										
No Visits	0.8	6.6	2.5	1.3	1.0	0.6	0.5	0.5	1.5	1.9
1-4	2.8	2.6	6.3	4.2	3.8	2.2	1.8	2.3	4.4	3.9
5-9	18.4	32.9	28.2	26.2	21.9	16.6	15.5	15.8	19.4	21.4
10-12	43.7	36.8	39.0	38.5	41.3	44.9	46.4	45.2	39.1	34.0
13+	32.4	18.4	22.2	26.8	30.0	33.9	34.2	34.5	33.3	35.0
Unknown	1.9	2.6	2.0	3.0	2.1	1.8	1.6	1.8	2.3	3.9
<b>Smoked During Pregnancy</b>										
No	85.5	90.8	84.6	76.4	77.1	86.7	91.2	91.8	90.9	88.3
Yes	14.1	7.9	14.9	23.1	22.5	12.9	8.4	7.7	8.8	9.7
Unknown	0.4	1.3	0.6	0.5	0.4	0.4	0.4	0.4	0.3	1.9
<b>Live Birth Order</b>										
1	39.2	98.7	91.3	77.5	49.6	38.7	25.9	19.5	15.3	14.6
2	32.4	1.3	8.1	19.0	33.1	34.0	36.6	31.6	27.2	19.4
3	16.5	-	0.5	3.0	12.3	16.7	21.7	24.3	19.2	14.6
4	6.7	-	-	0.3	3.8	6.7	8.7	12.5	14.1	20.4
5+	5.1	-	0.1	0.1	1.2	4.0	7.1	12.0	24.2	31.1
Unknown	0.0	-	-	-	-	0.0	-	0.0	-	-
<b>Plurality</b>										
Single Birth	96.8	100.0	98.9	98.0	97.7	97.0	96.1	95.2	96.2	83.5
Multiple Birth	3.2	-	1.1	2.0	2.3	3.0	3.9	4.8	3.8	16.5
<b>Prematurity</b>										
Full Term (37+ Weeks)	88.9	81.6	84.1	86.8	89.2	89.9	89.5	87.2	86.2	78.6
Premature (<37 Weeks)	11.1	18.4	15.9	13.2	10.8	10.1	10.5	12.8	13.8	21.4
Unknown	0.0	-	-	-	0.0	0.0	0.0	0.0	-	-
<b>Attendant at Birth</b>										
Physician, M.D.	84.8	77.6	80.5	81.3	82.8	84.7	86.9	87.5	86.7	81.6
Physician, D.O.	6.0	9.2	5.7	5.9	6.5	6.1	5.7	5.7	4.2	5.8
Cert. Nurse Midwife	7.5	13.2	13.6	12.6	9.2	7.5	5.7	4.4	4.2	6.8
Other Midwife	0.6	-	-	0.1	0.4	0.7	0.8	1.1	1.6	1.0
Other	1.0	-	0.3	0.1	1.1	1.0	0.9	1.3	3.3	4.9
Unknown	-	-	-	-	-	-	-	-	-	-

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Included in the totals are 25 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 2008**

	<b>Total</b>	<b>White</b>	<b>Black/Afr. American</b>	<b>American Indian</b>	<b>Hispanic/ Latina</b>	<b>Laotian or Hmong</b>	<b>Other Asian</b>
<b>Total</b>	<b>72,002</b>	<b>53,561</b>	<b>7,236</b>	<b>1,144</b>	<b>7,025</b>	<b>1,356</b>	<b>1,620</b>
<b>Age of Mother</b>							
<15	76	15	39	2	19	1	-
15-17	1,783	671	569	86	373	72	12
18-19	4,237	2,288	978	140	627	157	38
20-24	16,828	11,109	2,585	376	2,054	491	203
25-29	22,383	17,641	1,667	290	1,927	342	508
30-34	17,381	14,220	918	164	1,350	175	548
35-39	7,653	6,253	398	73	565	92	267
40-44	1,533	1,274	77	13	104	21	43
45+	103	89	2	-	6	5	1
Unknown	25	1	3	-	-	-	-
<b>Education of Mother</b>							
Elem. or Less	2,778	1,017	154	13	1,360	184	49
Some H.S.	7,852	3,287	1,966	260	2,067	200	67
H.S. Grad	20,117	13,959	2,791	459	2,150	488	256
Some College	18,633	15,153	1,718	298	898	303	256
College Grad	15,392	13,922	387	72	364	119	526
Post-Grad	6,839	6,019	162	37	137	32	449
Unknown	391	204	58	5	49	30	17
<b>Marital Status</b>							
Married	45,473	38,365	1,153	324	3,196	989	1,426
Unmarried	26,504	15,195	6,080	820	3,829	367	194
Unknown	25	1	3	-	-	-	-
<b>Trimester Prenatal Care Began</b>							
First	59,217	46,182	5,083	828	5,012	761	1,331
Second	9,587	5,488	1,516	248	1,590	512	217
Third	1,725	1,011	308	42	272	48	43
None	565	265	196	16	50	17	8
Unknown	908	615	133	10	101	18	21
<b>Number of Prenatal Care Visits</b>							
No Visits	569	268	196	16	51	17	8
1-4	1,997	1,149	447	64	237	57	41
5-9	13,265	8,792	1,692	300	1,683	516	274
10-12	31,495	23,954	2,579	459	3,279	493	719
13+	23,308	18,495	2,137	281	1,597	247	540
Unknown	1,368	903	185	24	178	26	38
<b>Smoked During Pregnancy</b>							
No	61,561	45,222	6,109	704	6,624	1,281	1,574
Yes	10,133	8,100	1,105	430	378	70	42
Unknown	308	239	22	10	23	5	4
<b>Live Birth Order</b>							
1	28,260	21,829	2,586	400	2,280	390	749
2	23,340	18,037	1,935	339	2,132	312	569
3	11,893	8,519	1,209	197	1,545	225	188
4	4,854	3,119	736	110	666	152	69
5+	3,653	2,055	770	98	402	277	45
Unknown	2	2	-	-	-	-	-

(Continued)

**Table 4-3. Number of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2008**

	<b>Total</b>	<b>White</b>	<b>Black/Afr. American</b>	<b>American Indian</b>	<b>Hispanic/ Latina</b>	<b>Laotian or Hmong</b>	<b>Other Asian</b>
<b>Total</b>	<b>72,002</b>	<b>53,561</b>	<b>7,236</b>	<b>1,144</b>	<b>7,025</b>	<b>1,356</b>	<b>1,620</b>
<b>Prematurity</b>							
Full Term (37+ Weeks)	64,022	48,099	6,017	998	6,225	1,192	1,443
Premature (<37 Weeks)	7,970	5,456	1,218	145	800	164	177
Unknown	10	6	1	1	-	-	-
<b>Gestational Age (Weeks)</b>							
16-31 Weeks	1,354	856	273	33	138	27	25
32-35 Weeks	3,674	2,476	592	69	373	77	82
36 Weeks	2,942	2,124	353	43	289	60	70
37-41 Weeks	58,751	44,476	5,360	883	5,630	1,036	1,324
42-45 Weeks	5,271	3,623	657	115	595	156	119
Unknown	10	6	1	1	-	-	-

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Included in the totals are 60 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 was unknown or invalid, i.e., less than 16 weeks or greater than 45 weeks, clinical estimate of gestation was substituted.

**Table 4-4. Percent of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2008**

	<b>Total</b>	<b>White</b>	<b>Black/Afr. American</b>	<b>American Indian</b>	<b>Hispanic/ Latina</b>	<b>Laotian or Hmong</b>	<b>Other Asian</b>
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Age of Mother</b>							
<15	0.1	0.0	0.5	0.2	0.3	0.1	-
15-17	2.5	1.3	7.9	7.5	5.3	5.3	0.7
18-19	5.9	4.3	13.5	12.2	8.9	11.6	2.3
20-24	23.4	20.7	35.7	32.9	29.2	36.2	12.5
25-29	31.1	32.9	23.0	25.3	27.4	25.2	31.4
30-34	24.1	26.5	12.7	14.3	19.2	12.9	33.8
35-39	10.6	11.7	5.5	6.4	8.0	6.8	16.5
40-44	2.1	2.4	1.1	1.1	1.5	1.5	2.7
45+	0.1	0.2	0.0	-	0.1	0.4	0.1
Unknown	0.0	0.0	0.0	-	-	-	-
<b>Education of Mother</b>							
Elem. or Less	3.9	1.9	2.1	1.1	19.4	13.6	3.0
Some H.S.	10.9	6.1	27.2	22.7	29.4	14.7	4.1
H.S. Grad	27.9	26.1	38.6	40.1	30.6	36.0	15.8
Some College	25.9	28.3	23.7	26.0	12.8	22.3	15.8
College Grad	21.4	26.0	5.3	6.3	5.2	8.8	32.5
Post-Grad	9.5	11.2	2.2	3.2	2.0	2.4	27.7
Unknown	0.5	0.4	0.8	0.4	0.7	2.2	1.0
<b>Marital Status</b>							
Married	63.2	71.6	15.9	28.3	45.5	72.9	88.0
Unmarried	36.8	28.4	84.0	71.7	54.5	27.1	12.0
Unknown	0.0	0.0	0.0	-	-	-	-
<b>Trimester Prenatal Care Began</b>							
First	82.2	86.2	70.2	72.4	71.3	56.1	82.2
Second	13.3	10.2	21.0	21.7	22.6	37.8	13.4
Third	2.4	1.9	4.3	3.7	3.9	3.5	2.7
None	0.8	0.5	2.7	1.4	0.7	1.3	0.5
Unknown	1.3	1.1	1.8	0.9	1.4	1.3	1.3
<b>Number of Prenatal Care Visits</b>							
No Visits	0.8	0.5	2.7	1.4	0.7	1.3	0.5
1-4	2.8	2.1	6.2	5.6	3.4	4.2	2.5
5-9	18.4	16.4	23.4	26.2	24.0	38.1	16.9
10-12	43.7	44.7	35.6	40.1	46.7	36.4	44.4
13+	32.4	34.5	29.5	24.6	22.7	18.2	33.3
Unknown	1.9	1.7	2.6	2.1	2.5	1.9	2.3
<b>Smoked During Pregnancy</b>							
No	85.5	84.4	84.4	61.5	94.3	94.5	97.2
Yes	14.1	15.1	15.3	37.6	5.4	5.2	2.6
Unknown	0.4	0.4	0.3	0.9	0.3	0.4	0.2
<b>Live Birth Order</b>							
1	39.2	40.8	35.7	35.0	32.5	28.8	46.2
2	32.4	33.7	26.7	29.6	30.3	23.0	35.1
3	16.5	15.9	16.7	17.2	22.0	16.6	11.6
4	6.7	5.8	10.2	9.6	9.5	11.2	4.3
5+	5.1	3.8	10.6	8.6	5.7	20.4	2.8
Unknown	0.0	0.0	-	-	-	-	-

(Continued)

**Table 4-4. Percent of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2008**

	<b>Total</b>	<b>White</b>	<b>Black/Afr. American</b>	<b>American Indian</b>	<b>Hispanic/ Latina</b>	<b>Laotian or Hmong</b>	<b>Other Asian</b>
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Prematurity</b>							
Full Term (37+ Weeks)	88.9	89.8	83.2	87.2	88.6	87.9	89.1
Premature (<37 Weeks)	11.1	10.2	16.8	12.7	11.4	12.1	10.9
Unknown	0.0	0.0	0.0	0.1	-	-	-
<b>Gestational Age (Weeks)</b>							
16-31 Weeks	1.9	1.6	3.8	2.9	2.0	2.0	1.5
32-35 Weeks	5.1	4.6	8.2	6.0	5.3	5.7	5.1
36 Weeks	4.1	4.0	4.9	3.8	4.1	4.4	4.3
37-41 Weeks	81.6	83.0	74.1	77.2	80.1	76.4	81.7
42-45 Weeks	7.3	6.8	9.1	10.1	8.5	11.5	7.3
Unknown	0.0	0.0	0.0	0.1	-	-	-

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Included in the totals are 60 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 was substituted.

**Table 4-5. Number and Percent of Births by Birthweight and Selected Characteristics, Wisconsin 2008**

	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
<b>Total</b>	<b>72,002</b>	<b>898</b>	<b>1.2</b>	<b>4,153</b>	<b>5.8</b>	<b>66,935</b>	<b>93.0</b>	<b>5,051</b>	<b>7.0</b>
<b>Plurality</b>									
Single Birth	69,715	646	0.9	3,133	4.5	65,920	94.6	3,779	5.4
Multiple Birth	2,287	252	11.0	1,020	44.6	1,015	44.4	1,272	55.6
<b>Prematurity</b>									
Full Term (37+ Weeks)	64,022	37	0.1	1,685	2.6	62,291	97.3	1,722	2.7
Premature (<37 Weeks)	7,970	860	10.8	2,468	31.0	4,636	58.2	3,328	41.8
Unknown	10	1	10.0	-	-	8	80.0	1	10.0
<b>Age of Mother</b>									
<15	76	1	1.3	9	11.8	66	86.8	10	13.2
15-17	1,783	36	2.0	141	7.9	1,605	90.0	177	9.9
18-19	4,237	62	1.5	300	7.1	3,875	91.5	362	8.5
20-24	16,828	200	1.2	1,019	6.1	15,603	92.7	1,219	7.2
25-29	22,383	253	1.1	1,164	5.2	20,962	93.7	1,417	6.3
30-34	17,381	202	1.2	910	5.2	16,267	93.6	1,112	6.4
35-39	7,653	117	1.5	490	6.4	7,045	92.1	607	7.9
40-44	1,533	24	1.6	107	7.0	1,402	91.5	131	8.5
45+	103	2	1.9	11	10.7	89	86.4	13	12.6
Unknown	25	1	4.0	2	8.0	21	84.0	3	12.0
<b>Race/Ethnicity of Mother</b>									
White	53,561	558	1.0	2,808	5.2	50,184	93.7	3,366	6.3
Black/Afr. American	7,236	200	2.8	741	10.2	6,293	87.0	941	13.0
American Indian	1,144	21	1.8	70	6.1	1,053	92.0	91	8.0
Hispanic/Latina	7,025	88	1.3	352	5.0	6,583	93.7	440	6.3
Laotian or Hmong	1,356	13	1.0	82	6.0	1,261	93.0	95	7.0
Other Asian	1,620	16	1.0	96	5.9	1,508	93.1	112	6.9
Unknown	60	2	3.3	4	6.7	53	88.3	6	10.0
<b>Education of Mother</b>									
Elem. or Less	2,778	24	0.9	136	4.9	2,618	94.2	160	5.8
Some H.S.	7,852	138	1.8	611	7.8	7,099	90.4	749	9.5
H.S. Grad	20,117	279	1.4	1,331	6.6	18,503	92.0	1,610	8.0
Some College	18,633	227	1.2	1,007	5.4	17,396	93.4	1,234	6.6
College Grad	15,392	147	1.0	697	4.5	14,546	94.5	844	5.5
Post-Grad	6,839	64	0.9	336	4.9	6,437	94.1	400	5.8
Unknown	391	19	4.9	35	9.0	336	85.9	54	13.8
<b>Marital Status</b>									
Married	45,473	423	0.9	2,134	4.7	42,907	94.4	2,557	5.6
Unmarried	26,504	474	1.8	2,017	7.6	24,007	90.6	2,491	9.4
Unknown	25	1	4.0	2	8.0	21	84.0	3	12.0

(Continued)



**Table 4-5. Number and Percent of Births by Birthweight and Selected Characteristics, Wisconsin 2008**

	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
<b>Trimester Prenatal Care Began</b>									
First	59,217	694	1.2	3,222	5.4	55,291	93.4	3,916	6.6
Second	9,587	123	1.3	636	6.6	8,828	92.1	759	7.9
Third	1,725	7	0.4	106	6.1	1,611	93.4	113	6.6
None	565	44	7.8	93	16.5	426	75.4	137	24.2
Unknown	908	30	3.3	96	10.6	779	85.8	126	13.9
<b>Number of Prenatal Care Visits</b>									
No Visits	569	44	7.7	94	16.5	429	75.4	138	24.3
1-4	1,997	164	8.2	206	10.3	1,625	81.4	370	18.5
5-9	13,265	385	2.9	1,264	9.5	11,615	87.6	1,649	12.4
10-12	31,495	144	0.5	1,395	4.4	29,952	95.1	1,539	4.9
13+	23,308	114	0.5	1,057	4.5	22,132	95.0	1,171	5.0
Unknown	1,368	47	3.4	137	10.0	1,182	86.4	184	13.5
<b>Smoked During Pregnancy</b>									
No	61,561	729	1.2	3,186	5.2	57,632	93.6	3,915	6.4
Yes	10,133	159	1.6	947	9.3	9,025	89.1	1,106	10.9
Unknown	308	10	3.2	20	6.5	278	90.3	30	9.7
<b>Type of Delivery</b>									
Vaginal After									
Previous C-Section	1,077	12	1.1	57	5.3	1,008	93.6	69	6.4
Forceps	649	1	0.2	30	4.6	618	95.2	31	4.8
Other Vaginal	52,169	371	0.7	2,402	4.6	49,385	94.7	2,773	5.3
Primary C-Section	10,359	408	3.9	1,227	11.8	8,721	84.2	1,635	15.8
Repeat C-Section	7,748	106	1.4	437	5.6	7,203	93.0	543	7.0
Other	-	-	-	-	-	-	-	-	-
<b>Live Birth Order</b>									
1	28,260	393	1.4	1,661	5.9	26,201	92.7	2,054	7.3
2	23,340	232	1.0	1,147	4.9	21,955	94.1	1,379	5.9
3	11,893	124	1.0	714	6.0	11,051	92.9	838	7.0
4	4,854	77	1.6	340	7.0	4,437	91.4	417	8.6
5+	3,653	71	1.9	291	8.0	3,290	90.1	362	9.9
Unknown	2	1	50.0	-	-	1	50.0	1	50.0
<b>Congenital Anomalies</b>									
No	70,885	850	1.2	4,015	5.7	66,005	93.1	4,865	6.9
Yes	1,117	48	4.3	138	12.4	930	83.3	186	16.7

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Included in the totals are 16 births for which birthweight was not reported. Infants weighing less than 2,500 grams (or 5.5 pounds) at birth are considered low birthweight. Infants weighing less than 1,500 grams (or 3.3 pounds) at birth are considered very low birthweight. A dash (-) indicates that there were no births in that category.

**Table 4-6. Number and Percent of Births by Estimated Gestational Age and Birthweight, Wisconsin 2008**

Birthweight	Estimated Gestational Age (in Weeks)										
	Total	17-19	20-27	28-31	32-35	36	37-39	40	41	42+	Unk.
Number											
Total	72,002	23	515	816	3,674	2,942	36,761	14,760	7,230	5,271	10,000
<500 Grams	96	21	70	4	-	-	-	-	-	-	1
500-999 Grams	337	1	244	68	12	2	8	-	-	2	-
1,000-1,499 Gms	465	-	72	258	101	7	14	2	3	8	-
1,500-1,999 Gms	1,003	-	13	186	571	76	122	9	9	17	-
2,000-2,499 Gms	3,150	-	19	50	1,043	510	1,169	163	86	110	-
2,500-2,999 Gms	11,627	-	26	70	958	1,143	6,703	1,454	644	626	3
3,000-3,499 Gms	26,969	1	35	103	622	833	15,409	5,494	2,460	2,007	5
3,500-3,999 Gms	21,375	-	25	58	297	307	10,440	5,592	2,849	1,807	-
4,000-4,499 Gms	5,907	-	7	18	61	52	2,480	1,735	973	581	-
4,500+ Grams	1,057	-	2	-	7	11	413	309	203	112	-
Unknown	16	-	2	1	2	1	3	2	3	1	1
Percent											
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	0.1	91.3	13.6	0.5	-	-	-	-	-	-	10.0
500-999 Grams	0.5	4.3	47.4	8.3	0.3	0.1	0.0	-	-	0.0	-
1,000-1,499 Gms	0.6	-	14.0	31.6	2.7	0.2	0.0	0.0	0.0	0.2	-
1,500-1,999 Gms	1.4	-	2.5	22.8	15.5	2.6	0.3	0.1	0.1	0.3	-
2,000-2,499 Gms	4.4	-	3.7	6.1	28.4	17.3	3.2	1.1	1.2	2.1	-
2,500-2,999 Gms	16.1	-	5.0	8.6	26.1	38.9	18.2	9.9	8.9	11.9	30.0
3,000-3,499 Gms	37.5	4.3	6.8	12.6	16.9	28.3	41.9	37.2	34.0	38.1	50.0
3,500-3,999 Gms	29.7	-	4.9	7.1	8.1	10.4	28.4	37.9	39.4	34.3	-
4,000-4,499 Gms	8.2	-	1.4	2.2	1.7	1.8	6.7	11.8	13.5	11.0	-
4,500+ Grams	1.5	-	0.4	-	0.2	0.4	1.1	2.1	2.8	2.1	-
Unknown	0.0	-	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	10.0

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: Included in the totals is one birth with a gestational age less than 17 weeks. 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 was unknown or invalid, i.e., less than 16 weeks or greater than 45 weeks, clinical estimate of gestational age was substituted.

**Table 4-7. Number and Percent of Births by Race/Ethnicity of Mother and Birthweight, Wisconsin 2008**

<b>Birthweight</b>	<b>Total</b>	<b>White</b>	<b>Black/Afr. American</b>	<b>American Indian</b>	<b>Hispanic/ Latina</b>	<b>Laotian or Hmong</b>	<b>Other Asian</b>
<i>Number</i>							
<b>Total</b>	<b>72,002</b>	<b>53,561</b>	<b>7,236</b>	<b>1,144</b>	<b>7,025</b>	<b>1,356</b>	<b>1,620</b>
<500 Grams	96	41	36	1	9	2	7
500-999 Grams	337	207	77	10	31	7	4
1,000-1,499 Gms	465	310	87	10	48	4	5
1,500-1,999 Gms	1,003	678	201	16	69	18	20
2,000-2,499 Gms	3,150	2,130	540	54	283	64	76
2,500-2,999 Gms	11,627	7,807	1,829	143	1,119	337	377
3,000-3,499 Gms	26,969	19,608	2,818	375	2,836	608	703
3,500-3,999 Gms	21,375	16,940	1,365	386	2,037	281	351
4,000-4,499 Gms	5,907	4,957	248	114	491	29	66
4,500+ Grams	1,057	872	33	35	100	6	11
Unknown	16	11	2	-	2	-	-
<i>Percent</i>							
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<500 Grams	0.1	0.1	0.5	0.1	0.1	0.1	0.4
500-999 Grams	0.5	0.4	1.1	0.9	0.4	0.5	0.2
1,000-1,499 Gms	0.6	0.6	1.2	0.9	0.7	0.3	0.3
1,500-1,999 Gms	1.4	1.3	2.8	1.4	1.0	1.3	1.2
2,000-2,499 Gms	4.4	4.0	7.5	4.7	4.0	4.7	4.7
2,500-2,999 Gms	16.1	14.6	25.3	12.5	15.9	24.9	23.3
3,000-3,499 Gms	37.5	36.6	38.9	32.8	40.4	44.8	43.4
3,500-3,999 Gms	29.7	31.6	18.9	33.7	29.0	20.7	21.7
4,000-4,499 Gms	8.2	9.3	3.4	10.0	7.0	2.1	4.1
4,500+ Grams	1.5	1.6	0.5	3.1	1.4	0.4	0.7
Unknown	0.0	0.0	0.0	-	0.0	-	-

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: Included in the totals are 60 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 2008

	Fetal Deaths (Gestation $\geq$ 20 weeks)		Neonatal Deaths (Age <28 days)		Infant Deaths (Age <1 year)	
	Number	Rate	Number	Rate	Number	Rate
<b>Total</b>	<b>387</b>	<b>5.3</b>	<b>329</b>	<b>4.6</b>	<b>501</b>	<b>7.0</b>
<b>Sex of Infant</b>						
Male	200	5.4	183	5.0	289	7.8
Female	182	5.1	145	4.1	211	6.0
Unknown	5	-	1	-	1	-
<b>Birthweight</b>						
1,499 Grams or Less	246	215.0	206	229.4	231	257.2
1,500-2,499 Grams	66	15.6	49	11.8	70	16.9
2,500+ Grams	66	1.0	67	1.0	192	2.9
Unknown	9	-	7	-	8	-
<u>White Non-Hispanic</u>	246	4.6	212	4.0	315	5.9
1,499 Grams or Less	148	209.6	117	209.7	130	233.0
1,500-2,499 Grams	43	15.1	37	13.2	48	17.1
2,500+ Grams	49	1.0	53	1.1	132	2.6
Unknown	6	-	5	-	5	-
<u>Black Non-Hispanic</u>	80	10.9	67	9.3	100	13.8
1,499 Grams or Less	59	227.8	53	265.0	57	285.0
1,500-2,499 Grams	13	-	7	-	12	-
2,500+ Grams	7	-	6	-	30	4.8
Unknown	1	-	1	-	1	-
<b>Gestational Age (Weeks)</b>						
<37 Weeks	319	38.5	254	31.9	313	39.3
16-31 Weeks	241	151.1	205	151.4	228	168.4
32-35 Weeks	61	16.3	36	9.8	58	15.8
36 Weeks	17	-	13	-	27	9.2
37-41 Weeks	61	1.0	60	1.0	163	2.8
42-45 Weeks	6	-	11	-	19	-
Unknown	1	-	4	-	6	-
<b>Marital Status</b>						
Married	204	4.5	163	3.6	247	5.4
Unmarried	183	6.9	165	6.2	253	9.5
Unknown	-	-	1	-	1	-
<b>Education of Mother</b>						
Elementary or Less	15	-	12	-	23	8.3
Some High School	45	5.7	47	6.0	78	9.9
High School Graduate	135	6.7	94	4.7	153	7.6
Some College	78	4.2	86	4.6	126	6.8
College Graduate	47	3.0	43	2.8	66	4.3
Post Graduate	30	4.4	29	4.2	34	5.0
Unknown	37	86.4	18	-	21	53.7

(Continued)

Table 4-8. Fetal, Neonatal, and Infant Deaths by Selected Characteristics, Wisconsin 2008

	Fetal Deaths (Gestation $\geq$ 20 weeks)		Neonatal Deaths (Age <28 days)		Infant Deaths (Age <1 year)	
	Number	Rate	Number	Rate	Number	Rate
<b>Age of Mother</b>						
<15	-	-	-	-	1	-
15-17	13	-	15	-	23	12.9
18-19	15	-	27	6.4	42	9.9
20-24	103	6.1	76	4.5	119	7.1
25-29	106	4.7	86	3.8	133	5.9
30-34	91	5.2	77	4.4	113	6.5
35-39	37	4.8	34	4.4	49	6.4
40+	22	13.3	13	-	19	-
Unknown	-	-	1	-	2	-
<b>Race/Ethnicity of Mother</b>						
White	246	4.6	212	4.0	315	5.9
Black/African American	80	10.9	67	9.3	100	13.8
American Indian	6	-	6	-	11	-
Hispanic/Latina	35	5.0	28	4.0	49	7.0
Laotian or Hmong	5	-	6	-	13	-
Other Asian	14	-	9	-	12	-
Unknown	1	-	1	-	1	-
<b>Trimester Prenatal Care Began</b>						
First	296	5.0	232	3.9	359	6.1
Second	53	5.5	46	4.8	71	7.4
Third	12	-	8	-	18	-
None	13	-	20	35.4	26	46.0
Unknown	13	-	23	25.3	27	29.7
<b>Number of Prenatal Care Visits</b>						
No Visits	13	-	20	35.1	26	45.7
1-4 Visits	101	48.1	85	42.6	97	48.6
5-9 Visits	160	11.9	103	7.8	148	11.2
10-12 Visits	56	1.8	48	1.5	112	3.6
13+ Visits	45	1.9	42	1.8	84	3.6
Unknown	12	-	31	22.7	34	24.9
<b>Plurality</b>						
Single Birth	353	5.0	276	4.0	434	6.2
Multiple Birth	33	14.2	53	23.2	67	29.3
Unknown	1	-	-	-	-	-
<b>Smoked During Pregnancy</b>						
No	301	4.9	269	4.4	390	6.3
Yes	81	7.9	55	5.4	106	10.5
Unknown	5	-	5	-	5	-

Source: Fetal death and matched birth-death files, Office of Health Informatics, Division of Public Health, Department of Health 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 2008 and United States, 2006**

Birth Rates	Wisconsin		United States
	Rate		Rate
Crude Birth Rate (births per 1,000 total population)	12.7		14.2
General Fertility Rate (births per 1,000 females ages 15-44)	64.2		68.5
Teen Birth Rate (births per 1,000 females ages 15-19)	30.9	31.3*	41.9
Mortality Rates			
Infant Mortality Rate (infant deaths per 1,000 live births)	7.0		6.9
Infant Mortality Rate – Black Non-Hispanic	13.8		13.6
Infant Mortality Rate – White Non-Hispanic	5.9		5.8
Neonatal Mortality Rate (deaths <28 days of age per 1,000 live births)	4.6		4.5
Perinatal Mortality Rate (fetal deaths and deaths <28 days of age per 1,000 live births and fetal deaths)	12.3	6.6**	6.7***
Birth Characteristics			
		Percent	Percent
Mother Unmarried	36.8%		38.5%
First-Trimester Prenatal Care	82.2		80.9
Late or No Prenatal Care	3.2		3.5
Maternal Smoking	14.1		10.0
C-Section Delivery	25.1		31.1
Birth Order 4+	11.8		11.2
Low Birthweight	7.0		8.3
Low Birthweight – Black Non-Hispanic	13.0		14.0
Low Birthweight – White Non-Hispanic	6.3%		7.3%

Source: Resident birth certificates, matched birth-death file and fetal death file, Office of Health Informatics, Division of Public Health, Department of Health Services.

\* This Wisconsin rate is calculated to be comparable to previous Wisconsin publications, which included births to mothers younger than 15. See Technical Notes (page 107) for an explanation of birth rate calculations.

\*\* 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.

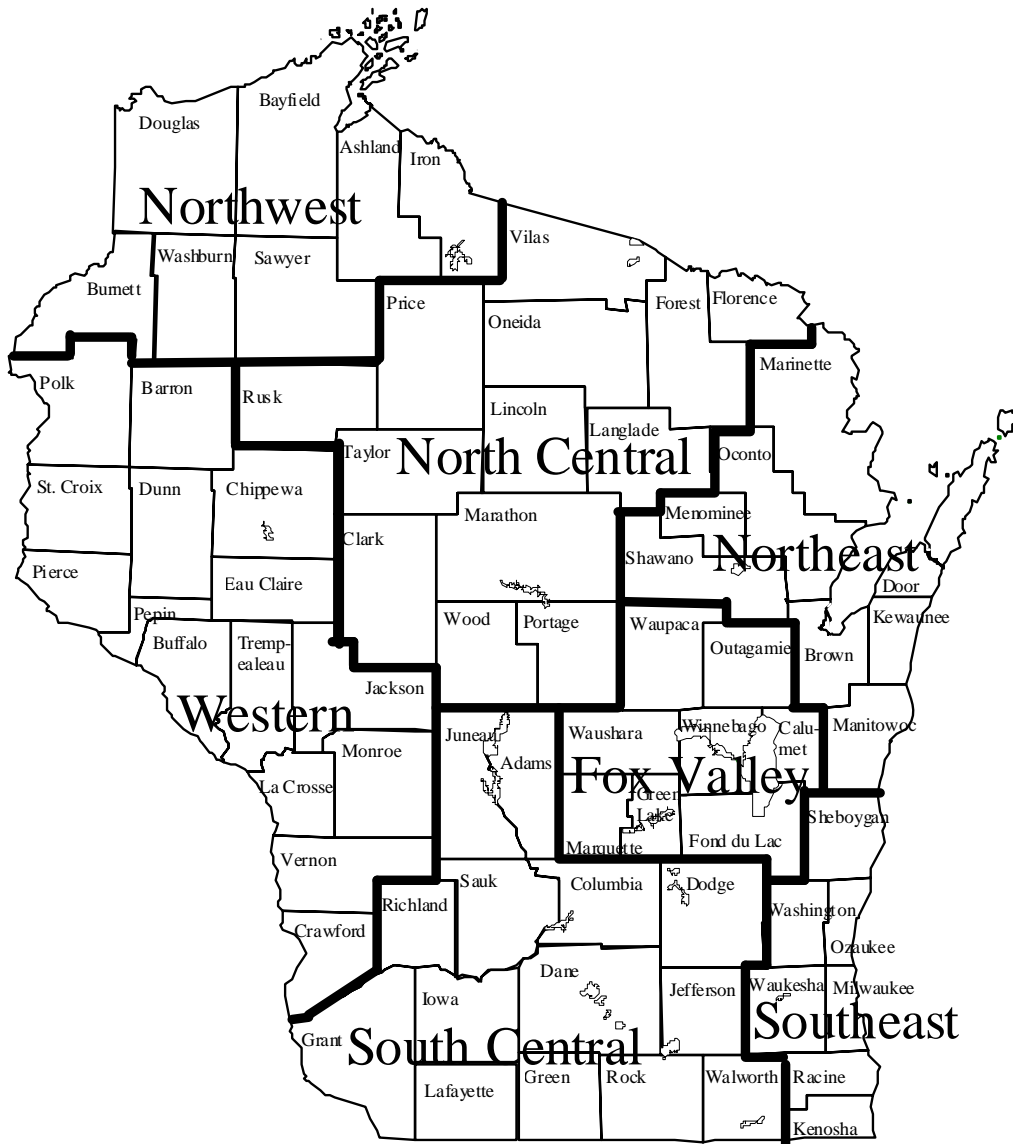
\*\*\* Rate for 2003, the latest available data. The US perinatal mortality rate is cited from National Center for Health Statistics, Health, United States, 2007 With Chartbook on Trends in the Health of Americans. Hyattsville, Maryland: 2007.

**Map 1. Wisconsin Department of  
Health Services Regions, 2008**



Source: Office of Health Informatics, Division of Public Health, Department of Health 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, 2008**

Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Note: See Technical Notes (page 109) 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, et al. Births: Final data for 2006. *National Vital Statistics Reports*, Vol. 57, No. 7. Hyattsville, Maryland: National Center for Health Statistics, 2009. National infant mortality data are drawn from Mathews TJ, MacDorman MF. Infant mortality statistics from the 2005 period linked birth/infant death data set. *National Vital Statistics Reports*, Vol. 57, No. 2. Hyattsville, Maryland: National Center for Health Statistics, 2008.

**Birth Rate Calculations.** Beginning with the 2006 publication of Wisconsin birth data, a change was made in the way birth rates at the youngest and oldest maternal ages are calculated. This change was made to make the rates comparable to national statistics.

In previous years, Wisconsin teen birth rates (the rate of births to mothers aged 15-19, and the rate of births to mothers aged 15-17) included births to mothers under age 15 in the numerator. The rate was calculated as the number of births to mothers less than 20 (or less than 18) divided by the number of females aged 15-19 (or 15-17), multiplied by 1,000. In this report, births to mothers aged 10-14 were placed in a separate category whenever birth rates were shown.

Similarly, births to mothers aged 45 and older were previously included in birth rates for women aged 40-44; the result was then divided by the number of females aged 40-44 and multiplied by 1,000. In this report, births to women 45 years of age and older were removed from the 40-44 birth rate calculations.

**Race/Ethnicity Classifications.** All live births, fetal deaths and infant deaths were classified by race/ethnicity and Hispanic/Latino origin of mother into one of six categories: non-Hispanic white, non-Hispanic black or African American, non-Hispanic American Indian, Hispanic or Latino, non-Hispanic Laotian or Hmong, and non-Hispanic “other Asian,” which includes Asian groups other than Laotian or Hmong, as well as Pacific Islanders such as Hawaiians. 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 or 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.

The Asian category used in birth rates by race/ethnicity calculations is made up of Chinese, Japanese, Filipino, Other Asian/Pacific Islander, Laotian, Vietnamese, Korean, Cambodian, and Hmong.

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

Also to be noted are the limitations on comparability that relate to changes in the editing of the medical

checklist items since 1989. Each checklist (with the exception of “Method of delivery”) has an “other-specify” checkbox. Conditions reported in the “other-specify” category have been edited to exclude invalid reports from the database, and to ensure that those conditions that belong elsewhere in a checklist are properly reported. The editing process has varied each year, which affects comparability. This most affects data on “Medical history for this pregnancy” and “Congenital anomalies of child;” it also affects comparability of “Events of labor and/or delivery” and “Abnormal conditions of the newborn.” In 1990, this editing was done only for the “Congenital anomalies” and “Abnormal conditions” checklists. Since 1990, edits have been expanded to include “Medical history for this pregnancy,” “Obstetric procedures,” and “Events of labor and/or delivery.”

Definitions of “Medical risk factors for this pregnancy,” “Obstetric procedures,” “Complications of labor and/or delivery,” “Abnormal conditions of the newborn” and “Congenital anomalies of child” were adapted from:

National Center for Health Statistics. Advance report of new data from the 1989 birth certificate. *Monthly Vital Statistics Report*; Vol. 40, No. 12, Supplement. Hyattsville, Maryland: Public Health Service, 1997.

**Prematurity.** Births were classified as premature (less than full term) if the gestational age was less than 37 weeks. To determine gestational age, a prematurity index is used; this is usually based on the computed estimate of gestational age, which is the difference between the date of last normal menses and the date of the infant’s birth. The clinical estimate of gestational age (reported by the physician directly on the birth certificate) is substituted when the date of last normal menses is unknown 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 records with unknown 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 2008, rather than the mortality experience of the 2008 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 34 and 35).

**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 9 deaths in 2008 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 Office of Health Informatics) 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. 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 106). 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. Women with 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 Office of Health Informatics 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.

<b><i>Diabetes</i></b>	Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset, and gestational diabetes during pregnancy.
<b><i>Genital Herpes</i></b>	Infection of the skin of the genital area by herpes simplex virus.
<b><i>Hydramnios/ Oligohydramnios</i></b>	Any noticeable excess (hydramnios) or lack (oligohydramnios) of amniotic fluid.
<b><i>Hypertension, Chronic Hypertension, Pregnancy- Associated</i></b>	Blood pressure persistently greater than 140/90, diagnosed prior to onset of pregnancy or before the 20 <sup>th</sup> week of gestation. 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.
<b><i>Eclampsia</i></b>	The occurrence of convulsions and/or coma unrelated to other cerebral conditions in women with signs and symptoms of preeclampsia.
<b><i>Incompetent Cervix</i></b>	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.
<b><i>Previous Infant 4,000+ Grams</i></b>	Previous birth of a live-born child with a birthweight of over 4,000 grams (8 lbs., 14 oz.).
<b><i>Previous Preterm or SGA Infant</i></b>	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.”)
<b><i>Renal Disease</i></b>	Kidney disease.
<b><i>Rh Sensitization</i></b>	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.
<b><i>Uterine Bleeding</i></b>	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

<b><i>Amniocentesis</i></b>	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.
<b><i>Electronic Fetal Monitoring</i></b>	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><b>Induction of Labor</b></i>	The initiation of uterine contractions before the spontaneous onset of labor by medical and/or surgical means for the purpose of delivery.
<i><b>Stimulation of Labor</b></i>	Augmentation of previously established labor by use of oxytocin.
<i><b>Tocolysis</b></i>	Use of medications to inhibit preterm uterine contractions to extend the length of pregnancy and, therefore, avoid a preterm birth.
<i><b>Ultrasound</b></i>	Visualization of the fetus and the placenta by means of sound waves.
<b>Congenital Anomalies: Definitions</b>	
<i><b>Anencephalus</b></i>	Absence of the cerebral hemispheres.
<i><b>Spina Bifida/ Meningocele</b></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><b>Hydrocephalus</b></i>	Excessive accumulation of cerebrospinal fluid within the ventricles of the brain with consequent enlargement of the cranium.
<i><b>Microcephalus</b></i>	A significantly small head.
<i><b>Other Central Nervous System</b></i>	Other specified anomalies of the brain, spinal cord, and nervous system.
<i><b>Heart Malformations</b></i>	Congenital anomalies of the heart.
<i><b>Other Circulatory/ Respiratory</b></i>	Other specified anomalies of the circulatory and respiratory systems.
<i><b>Rectal Atresia/ Stenosis</b></i>	Congenital absence, closure, or narrowing of the rectum.
<i><b>Tracheo-Esophageal Fistula/Esophageal Atresia</b></i>	An abnormal passage between the trachea and the esophagus; esophageal atresia is the congenital absence or closure of the esophagus.
<i><b>Omphalocele/ Gastroschisis</b></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><b>Other Gastrointestinal</b></i>	Other specified congenital anomalies of the gastrointestinal system.
<i><b>Malformed Genitalia</b></i>	Congenital anomalies of the reproductive organs.
<i><b>Renal Agenesis</b></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.



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