

2010

Wisconsin
Births and Infant Deaths



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

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January 2012

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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 L. Katcher, M.D., Ph.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 website, 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 2010 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 2010 (and comparative information for 2000); 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.

Key Findings

- In 2010, there were 68,367 live births to Wisconsin residents, 2,457 fewer than in 2008 (70,824).
- The 2010 crude birth rate in Wisconsin was 12.0 births per 1,000 total population, compared to 12.5 in 2009. The United States crude birth rate for 2008 (latest available data) was 14.0 per 1,000 population. (The crude birth rate is the number of live births per 1,000 total population.)
- The 2010 general fertility rate of 62.3 births per 1,000 Wisconsin females aged 15-44 was lower than the 2008 United States general fertility rate of 68.6 (see Technical Notes, page 107, for source of U.S. data).
- In 2010, the fertility rate for Wisconsin teens aged 15-19 was 26.2 births per 1,000 females in this age group, compared to 29.3 in 2009. In 2008, the U.S. teen fertility rate was 41.5.
- Wisconsin age-specific fertility rates are lower than the corresponding national rates for women aged less than 25 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.
- From 2000 to 2010, the percent of births to women in their teens, early twenties, and late thirties decreased, while the percent of births to women aged 35-39 increased. Percentages in all other age groups remained the same.
- From 2000 to 2010, the proportion of Wisconsin births to non-Hispanic white women decreased from 80 percent to 74 percent, while the proportion of births to Hispanics/Latinos increased from 6 percent to 10 percent. The proportion of births to women in other race/ethnicity groups remained roughly stable.
- In 2010, 13 percent of Wisconsin women who gave birth had not finished high school, compared to 16 percent in 2000. Sixty percent of women who gave birth in 2010 had attended college for one year or more, compared to 53 percent in 2000.
- The overall proportion of women who received first-trimester prenatal care was 84 percent in 2010, maintaining about the same level since 2000.
- Births to unmarried women constituted 37 percent of births in 2009, compared to 38 percent in 2009 and 30 percent in 2000. The national percent of nonmarital births in 2008 (latest available data) was 40.6 percent.
- The proportion of women giving birth who reported they smoked during pregnancy decreased from 16 percent in 2000 to 13 percent in 2010.
- The overall percent of cesarean sections increased from 17.6 percent of births in 1990 to 26.1 percent in 2010.
- In 2010, 4,813 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 (7.1 in 2009). In comparison, 8.2 percent of all infants born in the United States in 2008 weighed less than 2,500 grams.

- Among low birthweight infants, 853 (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, 3.2 percent of births to blacks/African Americans, 1.2 percent of births to American Indians, 0.9 percent of births to Hispanics/Latinas and 1.1 percent of births to Laotians or Hmong.
- In 2010, 7,413 Wisconsin infants were born prematurely (with a gestation of less than 37 weeks). This total represented 10.8 percent of all births, the same as in 2009. (See Technical Notes, page 108, for full definition of prematurity.)
- In Wisconsin, 393 infants under the age of one year died in 2010. The 2010 infant mortality rate was 5.7 infant deaths per 1,000 live births, compared to 6.0 in 2009 and 6.6 in 2000. The 2007 U.S. infant mortality rate (the latest available) was 6.8 infant deaths per 1,000 live births.
- The black/African American infant mortality rate for 2010 was 13.9 deaths per 1,000 births to black/African American women, compared to 14.3 in 2009 and 16.8 in 2000. The 2010 white infant mortality rate was 4.9 deaths per 1,000 births to white women, compared to 4.9 in 2009 and 5.6 in 2000. The Hispanic/Latino infant mortality rate for 2010 was 4.4 deaths per 1,000 births to Hispanic/Latina women, compared to 5.5 in 2009 and 4.7 in 2000.
- Based on three-year rolling average infant mortality rates, American Indian infant mortality has dropped markedly since 1988. The rate was 15.8 per 1,000 live births in 1988-1990 and 7.3 per 1,000 in 2008-2010. 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 18.7 per 1,000 live births in 1988-1990, and 14.0 in 2008-2010. The Hispanic/Latino infant mortality rate was 7.5 per 1,000 live births in 1988-1990 and 5.7 per 1,000 in 2008-2010. Total infant mortality and white infant mortality declined gradually over the 1988-2010 period.
- The disparity ratio between the black/African American infant mortality rate and the white infant mortality rate increased from 2.2 in 1990-1992 to 2.7 in 2008-2010 (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.

**Ten Most Popular First Names for Newborns
Wisconsin 2010**

Females	Males
1. Olivia	1. Mason
2. Sophia	2. Ethan
3. Ava	3. Jacob
4. Isabella	4. Logan
5. Emma	5. Noah
6. Addison	6. Jackson
7. Ella	7. William
8. Abigail	8. Owen
9. Emily	9. Carter
10. Grace	10. Alexander

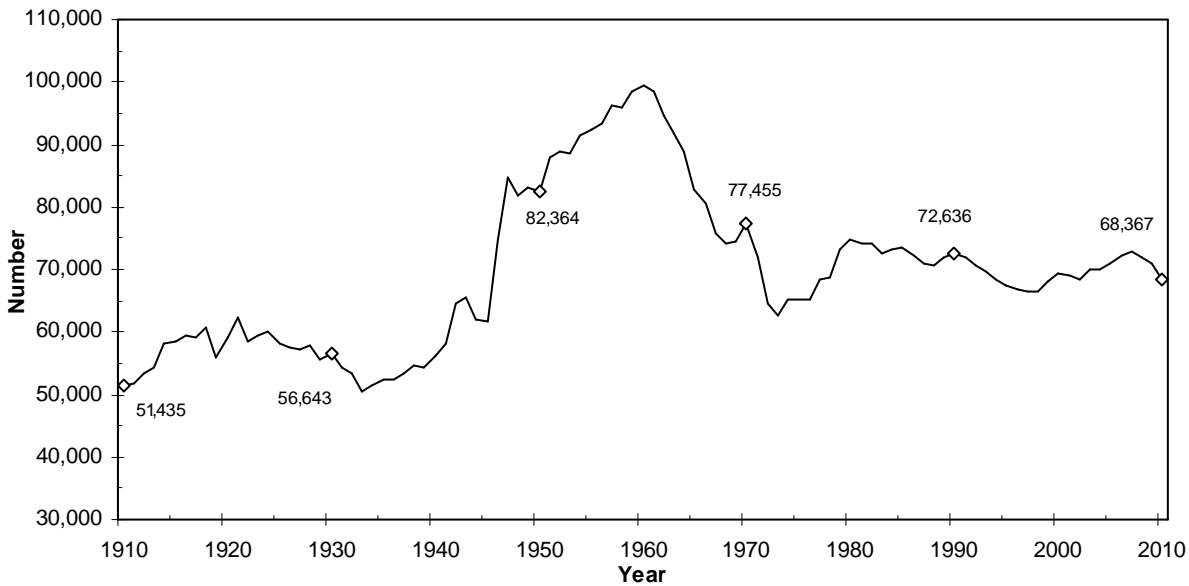
Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

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 2010 there were 68,367 births to Wisconsin residents, 2,457 fewer than in 2009 (Figure 1).
- The 2010 crude birth rate was 12.0 births per 1,000 population (Table 2-1), compared to 12.5 in 2009. In comparison, the United States crude birth rate for 2008 was 14.0 births per 1,000 population. (The crude birth rate is the number of live births per 1,000 total population.)
- The 2010 general fertility rate of 62.3 births per 1,000 Wisconsin females ages 15-44 (Table 2-1) was slightly lower than the 2009 rate (63.4). In comparison, the United States general fertility rate for 2008 was 68.6 births per 1,000.

Figure 1. Number of Births to Wisconsin Residents, 1910-2010



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.

Fertility Rates by Age

- Wisconsin age-specific fertility rates are lower than the corresponding national rates for women aged less than 25 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 2008 final statistics (Table 1-1). (See Technical Notes, page 107, for source of U.S. data.)

Table 1-1. Age-Specific Fertility Rates, Wisconsin, 2010 and United States, 2008

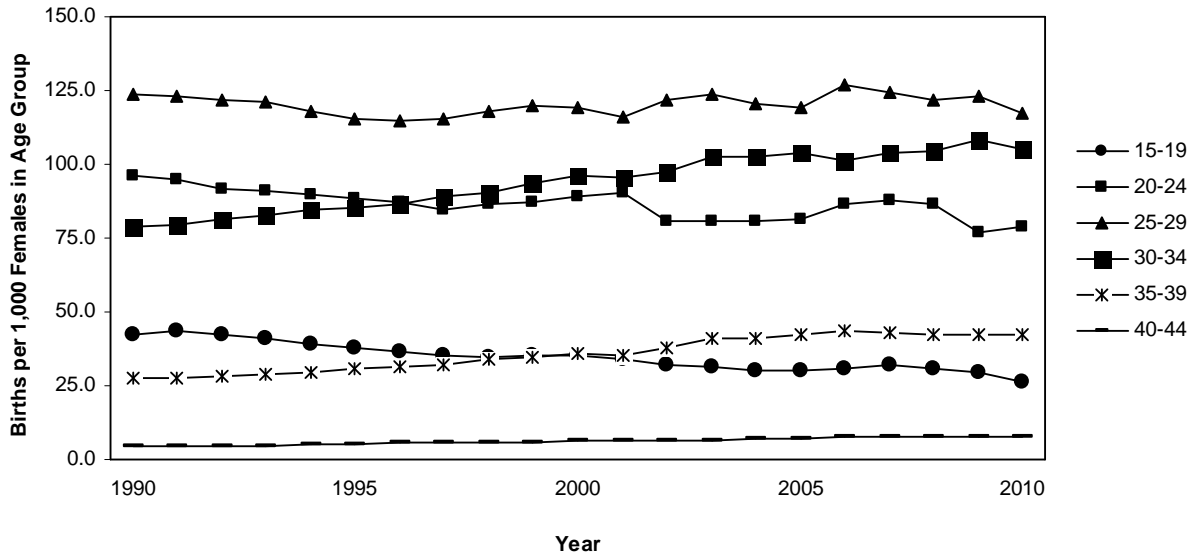
Age	Wisconsin Rate	U.S. Rate
10-14	0.3	0.6
15-19	26.2	41.5
15-17	11.7	21.7
18-19	47.1	70.6
20-24	78.8	103.0
25-29	117.6	115.1
30-34	105.0	99.3
35-39	42.0	46.9
40-44	7.8	9.8
45-49	0.4	0.7

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 2010 were:
 - Lower for teens and women in their twenties.
 - Higher for women aged 30-plus.

Figure 2. Age-Specific Fertility Rates, Wisconsin, 1990-2010



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

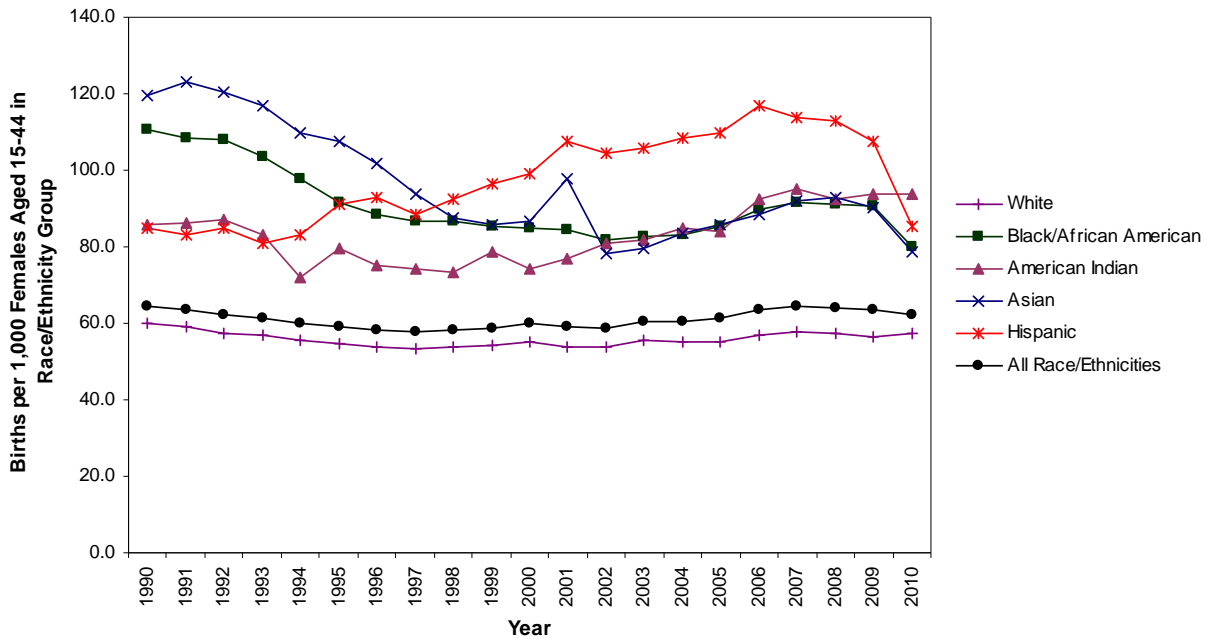
Note: Rates are the number of births per 1,000 females in the age group. See Technical Notes (page 107) for an explanation of birth rate calculations.

Fertility Rates by Race/Ethnicity

- 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 (Figure 3). Birth rates for Hispanics/Latinas have fallen since 2006.
- The overall birth rate (also called the general fertility rate) was 62.3 in 2010 compared to 64.5 in 1990.

- 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 79.8 per 1,000 in 2010, a decline of 28 percent. The Asian birth rate decreased 34 percent, from 119.7 to 78.5 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 2010, the rate was 94.0 per 1,000 American Indian females aged 15-44 (85.7 in 1990).
- The Hispanic/Latina birth rate increased from 1990 to 2006, when it began to decline. In 2010, the Hispanic/Latina birth rate was 85.4 per 1,000 Hispanic/Latina females aged 15-44, similar to the rate in 1990 (85.1).

Figure 3. Birth Rates by Race/Ethnicity, 1990-2010



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

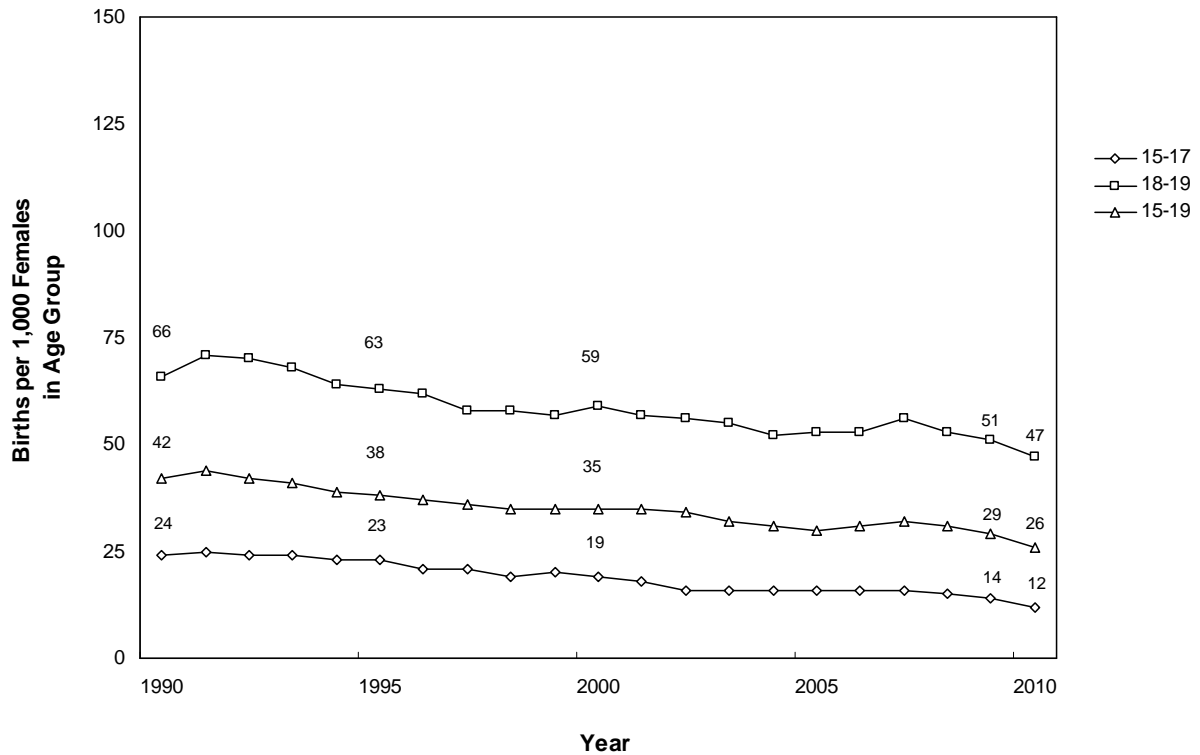
Notes: See Technical Notes (page 107) for definition of race/ethnicity categories. Birth rates for Wisconsin females by race are based on bridged race estimates from the US Census Bureau. Because individuals could report more than one race for the first time during the 2000 Census, rates for earlier 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.

Teen Birth Rates

- In 2010, the fertility rate for Wisconsin teens aged 15-19 was 26.2 births per 1,000 females in this age group (Figure 2). The rate in 2009 was 29.3. 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 2008, the U.S. teen fertility rate was 41.5.

Figure 4. Teen Birth Rates, Wisconsin, 1990-2010



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

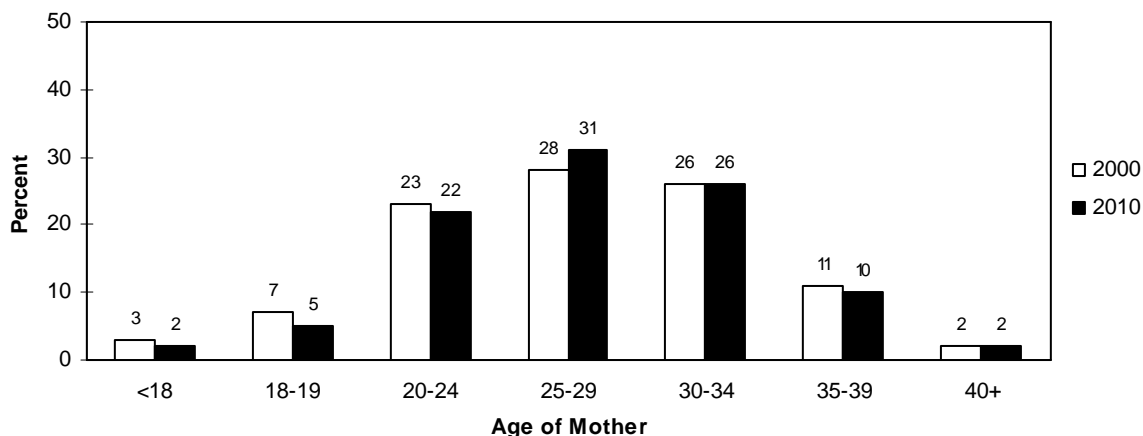
Age of Mother

Births in 2010 included:

- 57 births to teens less than 15 years old
- 1,345 births to teens 15-17 years old
- 3,745 births to teens 18-19 years old
- 14,954 births to women aged 20-24
- 21,513 births to women aged 25-29
- 17,982 births to women aged 30-34
- 7,176 births to women aged 35-39
- 1,475 births to women aged 40-44
- 98 births to women aged 45 or older
- 22 births with unreported maternal age.

- From 2000 to 2010, the percent of births to women in their teens, early twenties, and late thirties decreased, while the percent of births to women in their late twenties increased. The proportion of births to women aged 30-34 and 40 and older remained the same (Figure 5).

Figure 5. Percent of Births by Age of Mother, Wisconsin, 2000 and 2010



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

Note: For detailed information on 2010 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 2000 (Table 1-2).

Table 1-2. Teen Births by Age, Wisconsin, 2000 and 2010

Maternal Age (Teens)	2000		2010	
	Number	Percent	Number	Percent
<15	99	1%	57	1%
15-17	2,225	31	1,345	26
18-19	4,753	67	3,745	73
Total <20	7,077	100%	5,147	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 (2,528 in 2010) (Table 1-3).
- Teen births represented 7.5 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, 2010

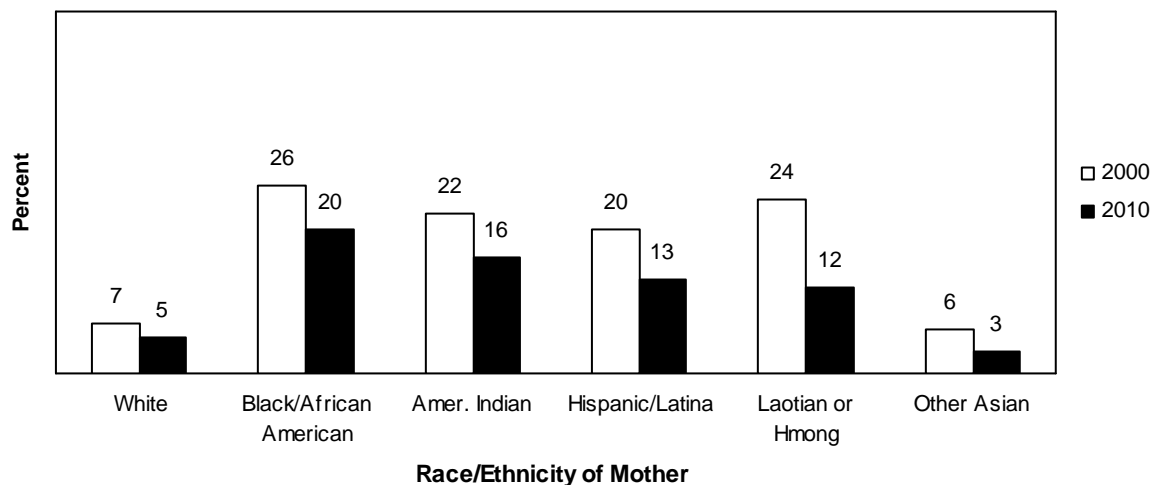
Race/Ethnicity	Number of Births		Percent of Births		
	Total	Teens (<20)	Teens (<20)	Ages 20+	Total
Total	68,367	5,147	7.5%	92.5%	100.0%
White	50,893	2,528	5.0	95.0	100.0
Black/African American	6,845	1,363	19.9	80.1	100.0
American Indian	1,129	186	16.5	83.5	100.0
Hispanic/Latino	6,560	861	13.1	86.9	100.0
Laotian or Hmong	1,264	155	12.3	87.7	100.0
Other Asian	1,628	49	3.0	97.0	100.0

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

Note: Included in the total are 48 births for which race/ethnicity of mother was not reported; 5 of these were to mothers under 20 years of age. See Technical Notes (page 107) for definition of race/ethnicity categories.

- In 2010 compared to 2000, teen births represented a smaller proportion of births in all race/ethnicity groups. The largest decline in the teen birth percentage occurred among Laotian or Hmong. Teen births made up 12 percent of Laotian or Hmong births in 2010, compared to 24 percent in 2000 (Figure 6).

Figure 6. Teen Births as a Percent of Total Births in Each Race/Ethnicity Group, Wisconsin, 2000 and 2010



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 2010, 10 percent of teen births occurred less than 24 months since a previous birth. Seven percent of teen births occurred 24 or more months since a previous birth, and 82 percent were first births (Table 1-4).

Table 1-4. Teen Births by Interval in Months Since Last Live Birth, Wisconsin, 2010

Birth Interval	All Ages	All Teens (<20)			All Ages	All Teens (<20)		
		<18	18-19		<18	18-19		
Total	68,367	5,147	1,402	3,745	100.0%	100.0%	100.0%	100.0%
First Birth	26,556	4,226	1,305	2,921	38.8	82.1	93.1	78.0
1-11 Months	558	68	9	59	0.8	1.3	0.6	1.6
12-17 Months	3,679	229	27	202	5.4	4.4	1.9	5.4
18-23 Months	5,849	197	27	170	8.6	3.8	1.9	4.5
24-Plus Months	28,559	346	24	322	41.8	6.7	1.7	8.6
Unknown	2,016	41	7	34	2.9	0.8	0.5	0.9
Plural Delivery	1,150	40	3	37	1.7	0.8	0.2	1.0

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

Note: Included in the total for all ages are 22 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 2010, 50,893 births (74.4%) were to non-Hispanic white women (Table 1-5). This percentage has gradually declined in recent decades (it was 79.9% in 2000).
- 6,845 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 2000.
- 1,129 births (1.7%) were to American Indian women (Table 1-5). This percent has been stable for the past decade.
- 6,560 births (9.6%) were to Hispanic/Latina women (Table 1-5). This is higher than the percent of Hispanic/Latina births in 2000 (6.5%).
- 1,264 births (1.8%) were to Laotian or Hmong women, similar to the 2000 percentage (1.5%).
- An additional 1,628 births (2.4%) were to women in other Asian groups (such as Chinese, Japanese, and Korean.)

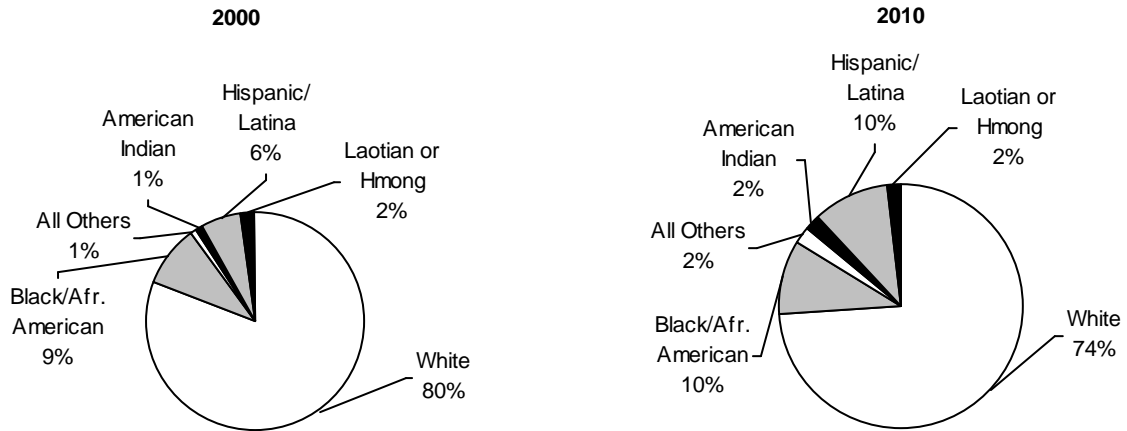
Table 1-5. Number and Percent of Births by Race/Ethnicity, Wisconsin, 2000 and 2010

	2000		2010	
	Number	Percent	Number	Percent
Total	69,289	100.0%	68,367	100.0%
White	55,381	79.9	50,893	74.4
Black/African American	6,437	9.3	6,845	10.0
American Indian	870	1.3	1,129	1.7
Hispanic/Latina	4,484	6.5	6,560	9.6
Laotian or Hmong	1,062	1.5	1,264	1.8
Other Asian	1,028	1.5	1,628	2.4
Unknown	27	0.0	48	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 2010 it also includes 7 births to Hawaiians.

Figure 7. Percent of Births by Race/Ethnicity of Mother, Wisconsin, 2000 and 2010



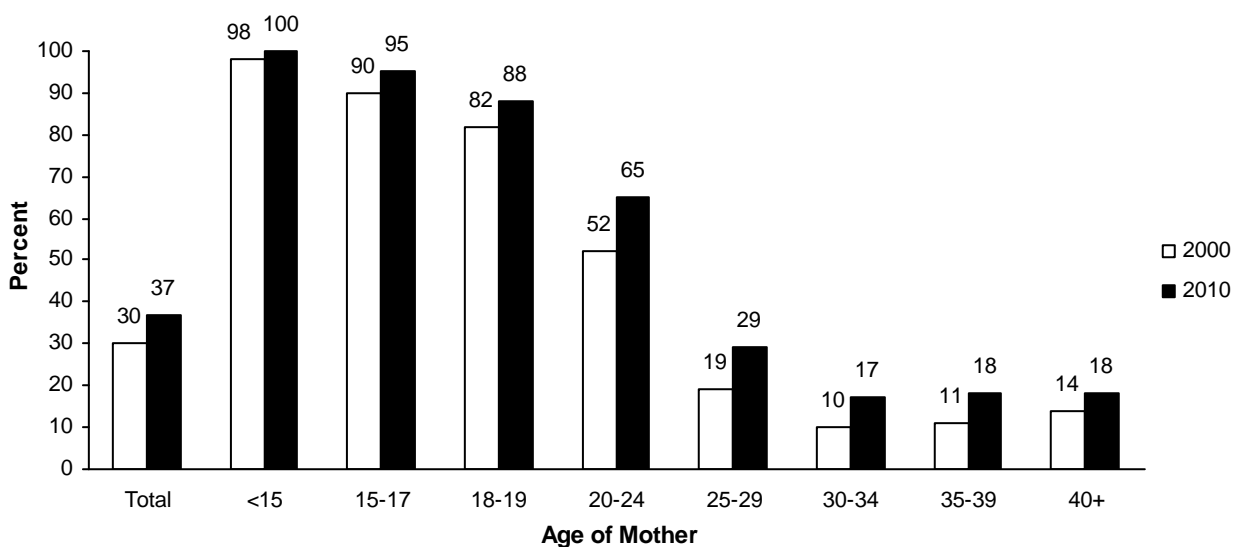
Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: See Technical Notes (page 107) for definition of race/ethnicity categories. For detailed information on 2010 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 2010, 37 percent of births were to unmarried women, compared with 30 percent in 2000 (Figure 8).
- In general, the percent of births to mothers who are unmarried decreases with age. Eighty-eight percent of women aged 18-19 who gave birth in 2010 were unmarried, compared with 17 percent of women aged 30-34 who gave birth (Figure 8).
- Between 2000 and 2010, the unmarried percentage increased in every maternal age group (Figure 8). The largest increase occurred among mothers aged 20-24 (from 52% to 65%—13 percentage points).

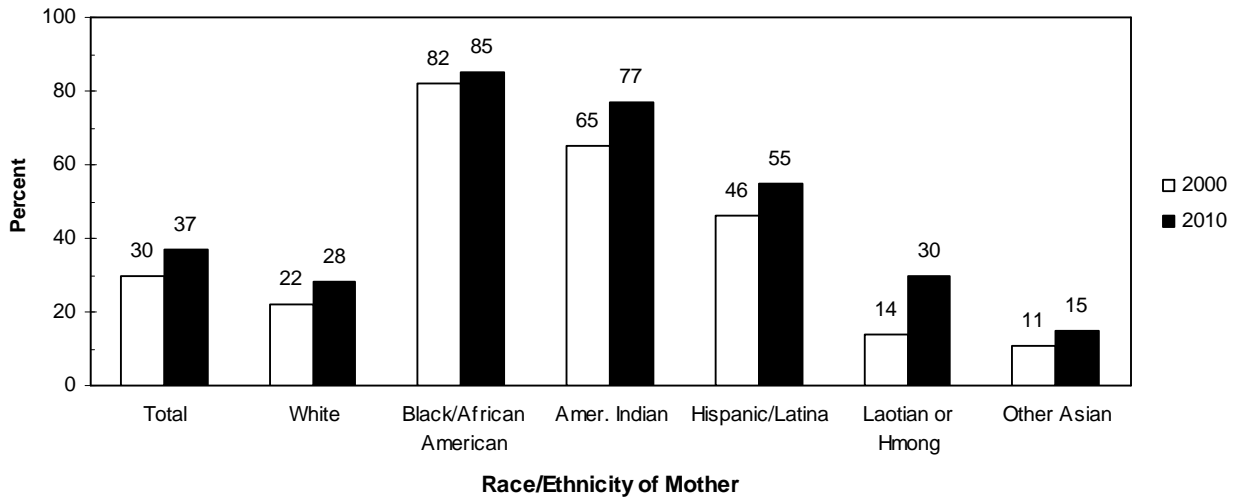
Figure 8. Percent of Births to Unmarried Mothers, by Age, Wisconsin, 2000 and 2010



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

- From 2000 to 2010, the percent of non-marital births increased in all race/ethnicity groups (Figure 9).
- Wisconsin’s overall percent of births to unmarried mothers in 2010 (37%) was lower than the national percent in 2008 (41%). However, the percent of births to unmarried mothers was higher in Wisconsin than nationally among blacks/African Americans (85% vs. 72%) and Hispanics/Latinas (55% vs. 53%).

Figure 9. Percent of Births to Unmarried Mothers, by Race/Ethnicity, Wisconsin, 2000 and 2010



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 2010, 13 percent of Wisconsin women who gave birth had not finished high school, compared to 16 percent in 2000 (Figure 10). By age, the percentages with less than a high school education in 2010 were:

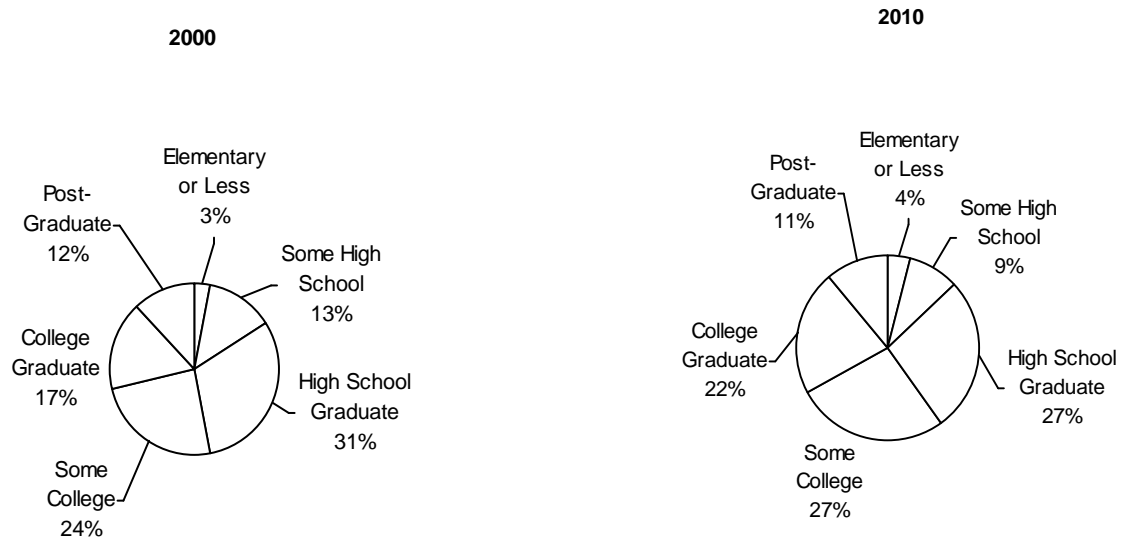
- 91% among mothers less than 18
- 30% among mothers 18-19
- 17% among mothers 20-24
- 10% among mothers 25-29
- 7% among mothers 30-34
- 9% among mothers 35-39
- 11% among mothers 40 or older

- On average, mothers in minority race/ethnicity groups were less likely to have completed high school. In 2010, the proportions of births to women with less than a high school education were:

- 7% among whites
- 26% among blacks/African Americans
- 21% among American Indians
- 43% among Hispanics/Latinas
- 23% among Laotian or Hmong
- 8% among other Asian groups

- Sixty percent of women who gave birth in 2010 had attended college for one year or more (Figure 10). The comparable percentage in 2000 was 53 percent.

Figure 10. Percent of Births by Education of Mother, Wisconsin, 2000 and 2010



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

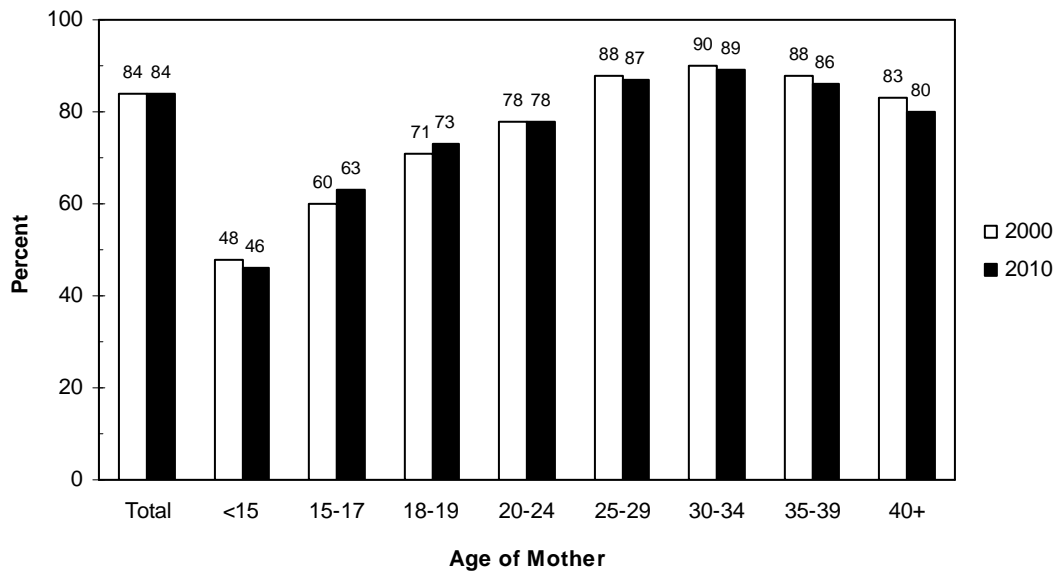
Notes: “Some High School” or “Some College” means the mother completed at least one year of schooling at that level. For detailed information on 2010 births by education of mother, see Tables 4-1 through 4-5, pages 92-99. Percents may not add to 100 due to rounding.

Characteristics of the Pregnancy and Delivery

Prenatal Care

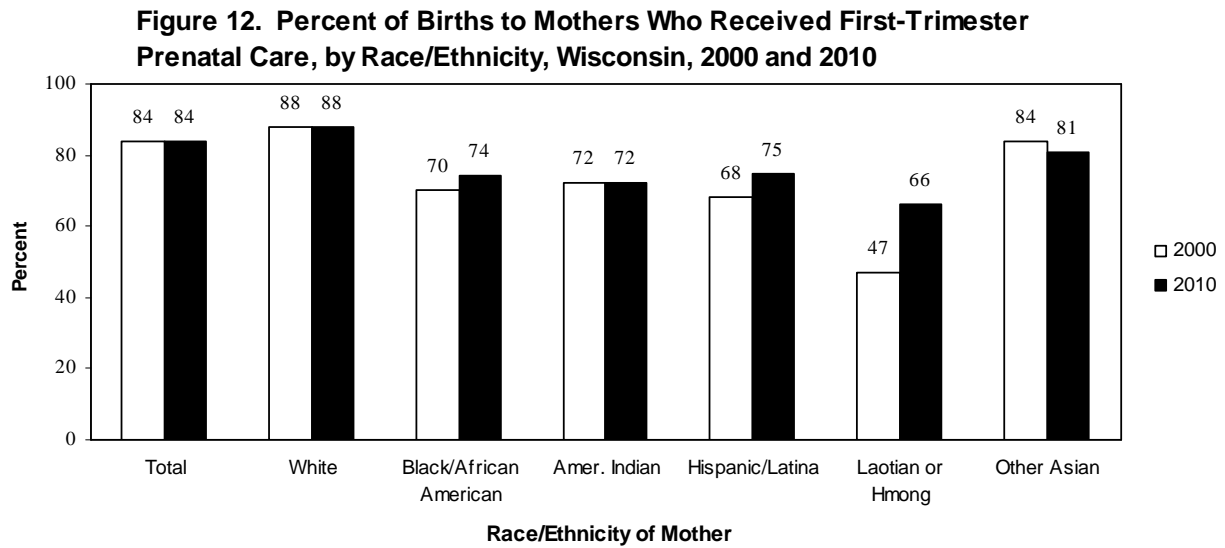
- The overall proportion of women who received first-trimester prenatal care was 84 percent in 2010, the same percentage as in 2000 (Figure 11).
- In 1,950 births in 2010, the mother either did not begin prenatal care until the third trimester of pregnancy (1,512 births) or received no care at all (438 births) (Table 2-22). These births with “late or no prenatal care” constituted 2.9 percent of all births (compared to 3.3% in 2000).
- Patterns of prenatal care initiation by age were similar in 2000 and 2010 (Figure 11).

Figure 11. Percent of Births to Mothers Who Received First-Trimester Prenatal Care, by Age, Wisconsin, 2000 and 2010



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

- From 2000 to 2010, the proportion of women receiving first-trimester care increased for blacks/African Americans, Hispanics/Latinas, and Laotians or Hmong (Figure 12). The increase was especially marked among Laotians or Hmong.



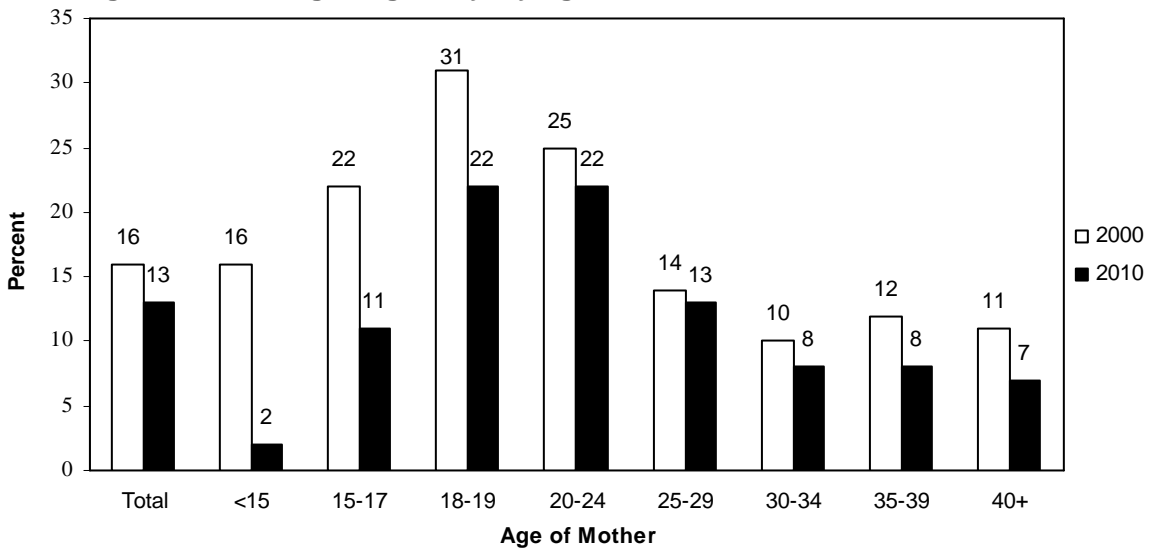
Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

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 16 percent of births in 2000 to 13 percent of births in 2010 (Figure 13).
- From 2000 to 2010, smoking during pregnancy declined in every maternal age group (Figure 13).

Figure 13. Percent of Births to Mothers Who Reported Smoking Cigarettes During Pregnancy, by Age, Wisconsin, 2000 and 2010

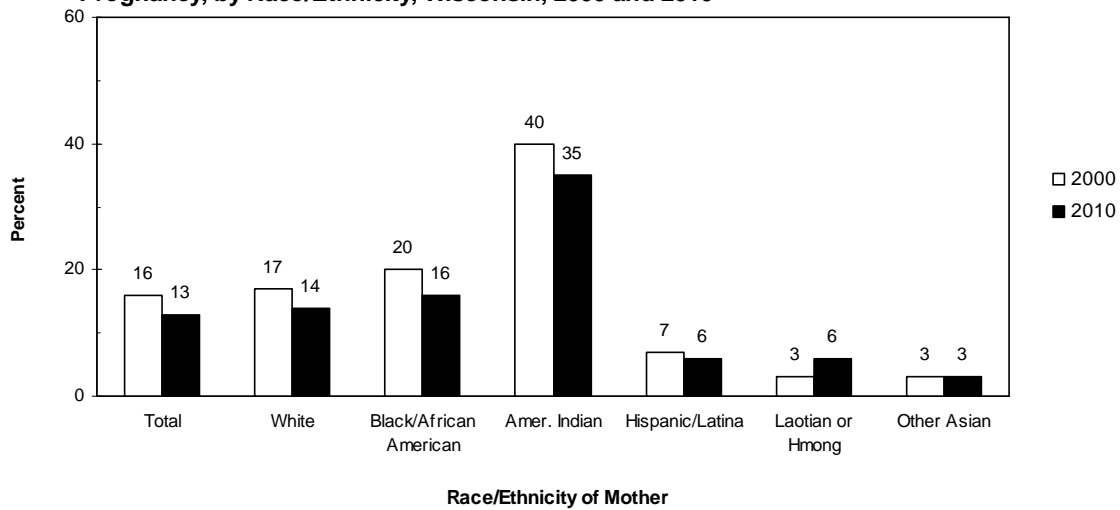


Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Notes: For detailed information on 2010 births by smoking behavior during pregnancy, see Tables 4-1 through 4-5, pages 92-99.

- From 2000 to 2010, the percentage of mothers who reported smoking during pregnancy declined in most race/ethnicity groups (Figure 14). The only exceptions were found among Laotian or Hmong women and Other Asian 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 2010) and the 2010 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, 2000 and 2010



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 2010 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 2010 births were hypertension (reported in 7.8 percent of births), lung disease (6.4 percent), sexually transmitted diseases (6.1 percent), diabetes (6.2 percent), a previous preterm or small-for-gestational age infant (5.5 percent), anemia (3.8 percent), and a previous infant weighing 4,000+ grams at birth (3.6 percent) (Table 1-6).

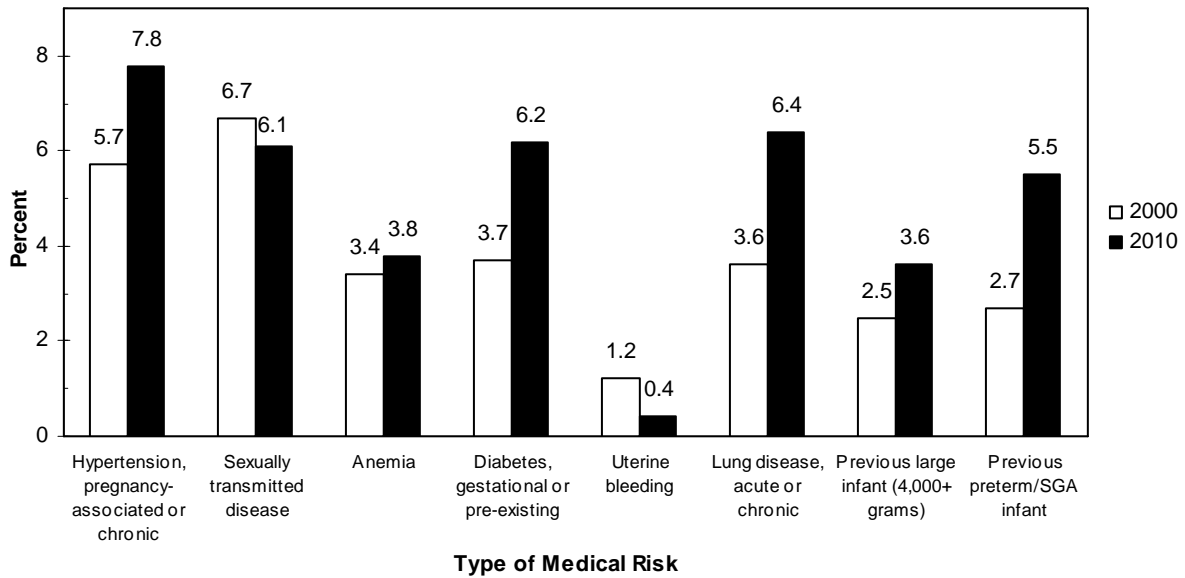
Table 1-6. Births with Reported Medical Risk Factors, Wisconsin, 2010

	Number	Percent
Sexually Transmitted Diseases	4,182	6.1
Hypertension	5,332	7.8
Pregnancy-Associated	4,197	6.1
Chronic	1,135	1.7
Diabetes	4,248	6.2
Gestational	3,686	5.4
Pre-Existing	562	0.8
Anemia	2,626	3.8
Lung Disease, Acute or Chronic	4,371	6.4
Previous Preterm/Small-for-Gestational-Age Infant	3,756	5.5
Previous Large Infant (4,000+ grams)	2,493	3.6
Uterine Bleeding	271	0.4
Cardiac Disease	500	0.7
Hydramnios/Oligohydramnios	1,246	1.8
Renal Disease	684	1.0
Rh Sensitization	495	0.7
Eclampsia	103	0.2
Incompetent Cervix	421	0.6
Hemoglobinopathy	196	0.3
Any Reported	37,280	54.5

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, 2000 and 2010



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

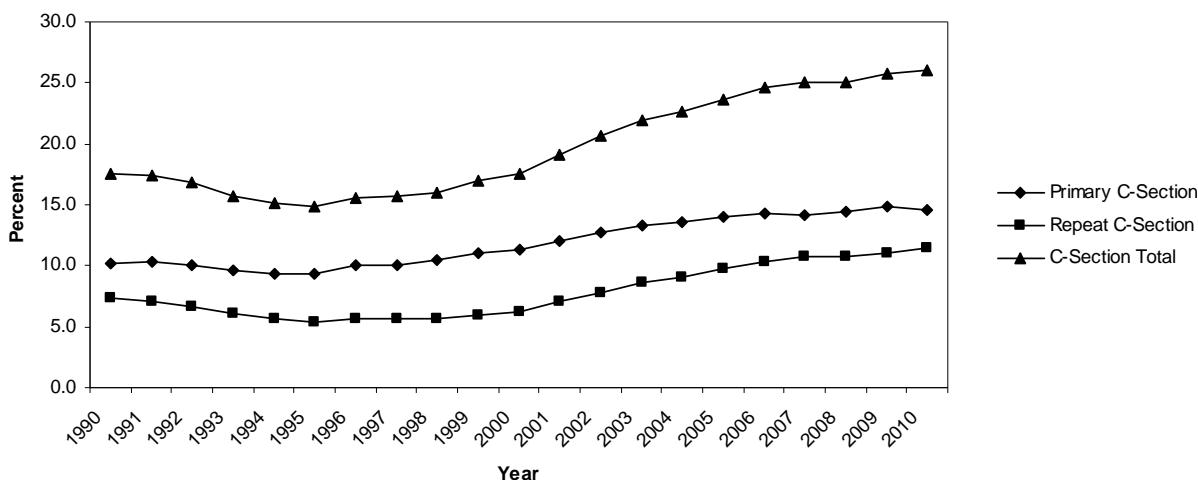
Methods of Delivery

In 2010, the following methods of delivery were reported:

Vaginal (no previous C-section)	48,768	71.3%
Primary C-Section	9,996	14.6
Repeat C-Section	7,818	11.4
Vaginal After Previous C-Section (VBAC)	1,242	1.8
Forceps	543	0.8
Other	0	0.0
Total Births	68,367	100.0%

- The overall percent of cesarean sections increased from 17.6 percent of births in 1990 to 26.1 percent in 2010. 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 14.6 percent in 2010.
- Repeat cesarean sections increased from 7.3 percent of births in 1990 to 11.4 percent in 2010.

Figure 16. Cesarean Sections as a Percent of All Births, Wisconsin, 1990-2010



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

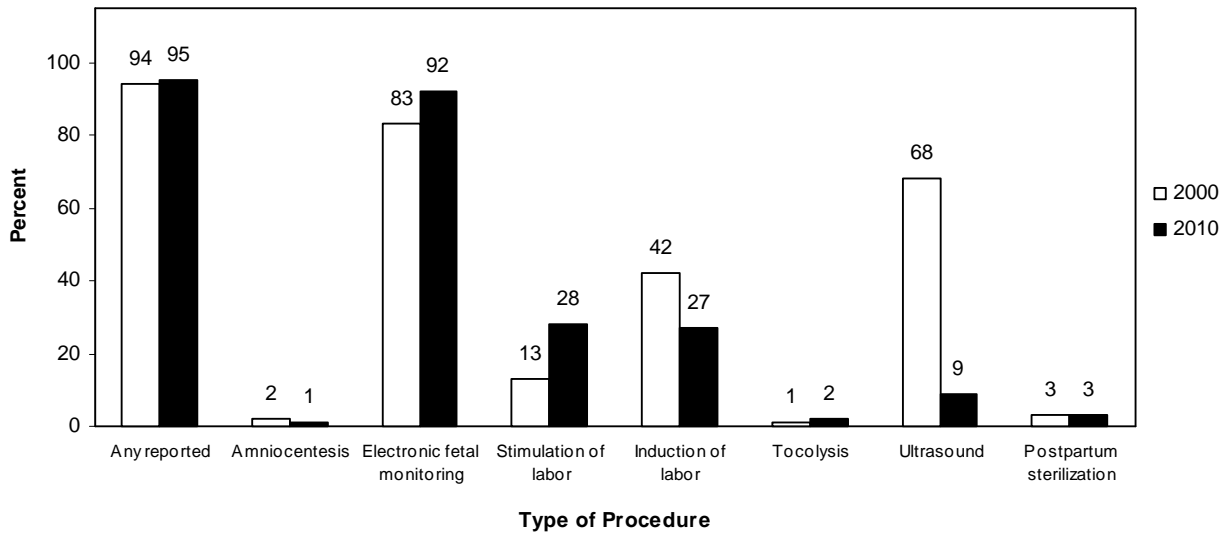
Obstetric Procedures

In 2010, births with reported obstetric procedures included:

Electronic fetal monitoring	62,563	91.5%
Ultrasound	5,819	8.5
Induction of labor	18,431	27.0
Stimulation of labor	19,181	28.1
Amniocentesis	738	1.1
Postpartum sterilization	2,192	3.2
Tocolysis	1,612	2.4
Other procedures	15	0.0
Births With Reported Procedure(s)	64,705	94.6

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, 2000 and 2010



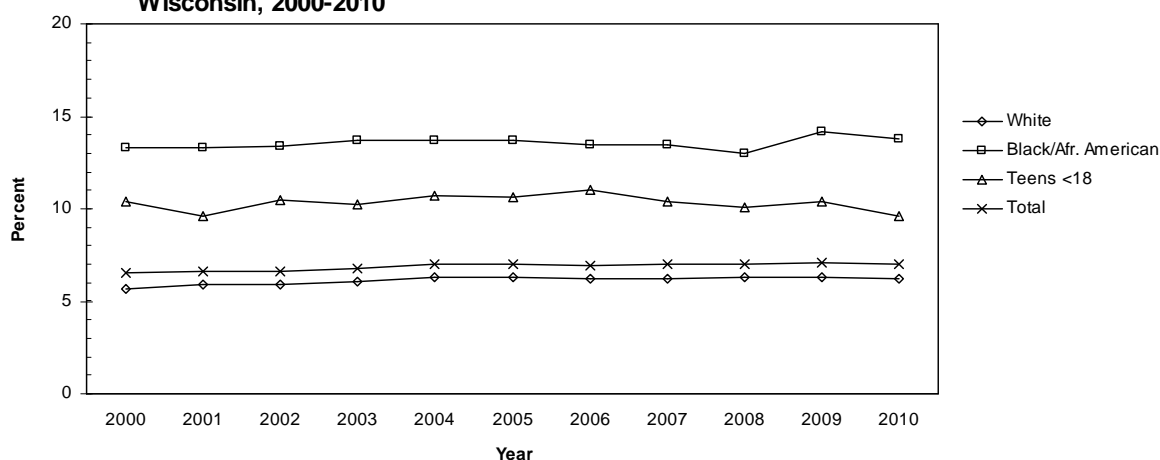
Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

Characteristics of the Newborn

Low Birthweight

- In 2010, 4,813 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 7.1 percent in 2009). In comparison, 8.2 percent of all infants born in the United States in 2008 weighed less than 2,500 grams. The low birthweight percentage in Wisconsin was 6.2 percent among births to whites, 13.8 percent among births to blacks/African Americans, 7.5 percent among births to American Indians, 5.8 percent among births to Hispanics/Latinas, 7.4 percent among births to Laotians and Hmong, and 8.3 percent among births to other Asians (Table 4-5).
- Among these low birthweight infants, 853 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, 3.2 percent of births to blacks/African Americans, 1.2 percent of births to American Indians, 0.9 percent of births to Hispanics/Latinas, and 1.1 percent of births to Laotians or Hmong (Table 4-5).
- Compared with the overall incidence of low birthweight in 2010 (7.0 percent), higher percentages of low-birthweight infants were born to:
 - Mothers who received no prenatal care (22.4 percent),
 - Non-Hispanic black/African American women (13.8 percent),
 - Women who smoked during pregnancy (11.5 percent),
 - Women who were unmarried (9.2 percent),
 - Women with less than a high school education (9.2 percent).
- The low birthweight percentage among infants born to mothers less than 18 years of age was 9.6 percent (compared with 7.0 percent among mothers age 18 and older).
- Forty-four percent of premature infants were of low birthweight (Table 4-5). Twins or other multiple births made up 25.6 percent of all low-birthweight births in 2010.

Figure 18. Percent of Births at Low Birthweight (< 2,500 grams), Wisconsin, 2000-2010



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 2008-2010, 13.7 percent of black/African American infants and 6.3 percent of white infants weighed less than 2,500 grams or about 5.5 pounds at birth. The disparity ratio was 2.2, meaning that black/African American infants were born at low birthweight more than twice as frequently as white infants during the 2008-2010 period.
- The disparity between black/African American and white low birthweight rates has lessened since 1990-1992 (from 2.6 to 2.2), 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 2008-2010, black/African American infants were 2.9 times as likely to be born at very low birthweight as were white infants. The magnitude of this 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 1990-2010

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
2007-2009	13.6	6.2	2.2	2.8	1.0	2.8
2008-2010	13.7%	6.3%	2.2	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).

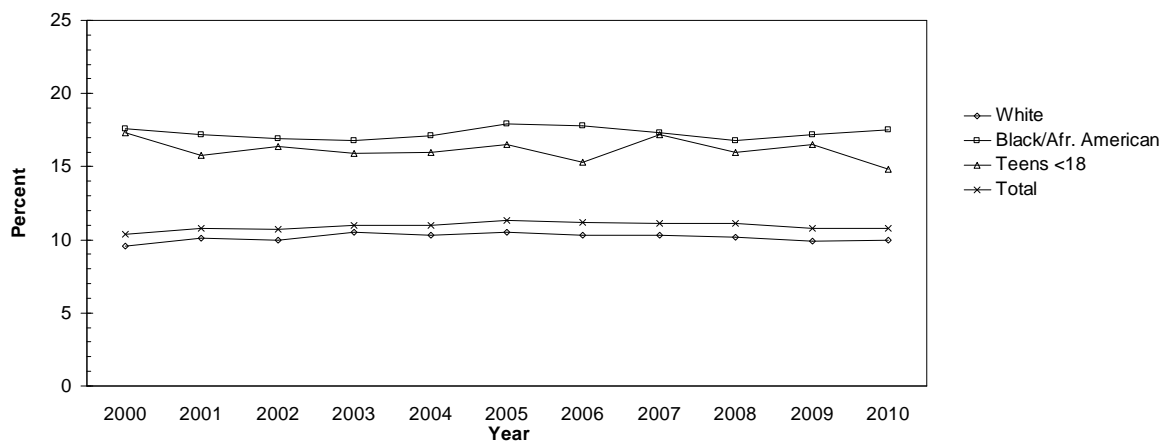
Percent very low birthweight is the percent of births to mothers in each race/ethnicity group that were very low birthweight (less than 1,500 grams).

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 2010, 7,413 Wisconsin infants were born prematurely (with a gestation of less than 37 weeks) (Table 4-1). This total represented 10.8 percent of all births (the same percentage as in 2009). (See Technical Notes, page 108, for full definition of prematurity.)
- Compared with the overall proportion of premature infants in 2010 (10.8 percent), higher percentages of premature infants were born to:
 - Non-Hispanic black/African American women (17.5 percent),
 - Teenagers less than 18 years old (14.8 percent),
 - Women with less than a high school education (12.8 percent),
 - Women who were unmarried (13.0 percent),
 - Women who smoked during pregnancy (13.2 percent).
- Sixty-eight percent of low birthweight infants (birthweight under 2,500 grams) were premature.
- Twins or other multiple births made up 18.0 percent of all premature births in 2010. From 2000 to 2010, multiple births increased from 3.1 percent to 3.3 percent of all births.
- Prematurity increased from 10.4 percent of all births in 2000 to 10.8 percent of all births in 2010 (Figure 19).
- Prematurity among infants born to mothers less than 18 years of age was 14.8 percent in 2010, compared to 17.3 percent in 2000 (Figure 19). The prematurity rate among infants born to mothers 18 and older was 10.8 percent in 2010.

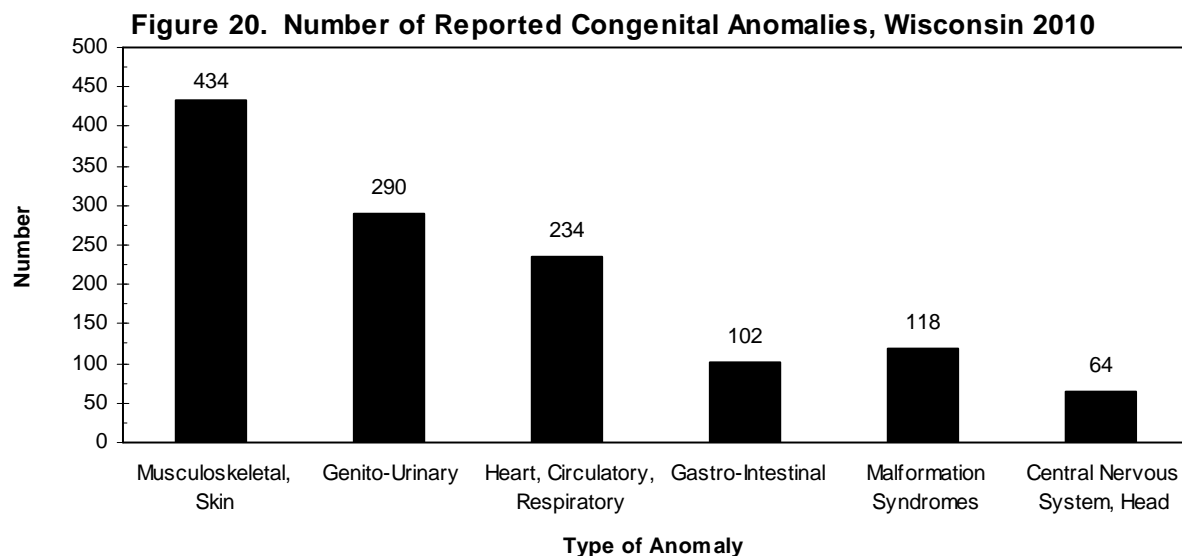
Figure 19. Percent of Premature Births, Wisconsin, 2000-2010



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 2010

Total Births With Reported Anomalies	1,244	Genito-Urinary	290
		Malformed Genitalia	156
Central Nervous System, Head	64	Renal Agenesis	22
Anencephalus	10	Other Urogenital	116
Spina Bifida/Meningocele	20		
Hydrocephalus	5	Musculoskeletal/Skin	434
Microcephalus	5	Cleft Lip, Palate	100
Other Central Nervous System	29	Polydactyly, Syndactyly, Adactyly	110
		Club Foot	91
Heart, Circulatory, Respiratory	234	Diaphragmatic Hernia	16
Heart Malformations	179	Other Musculoskeletal/ Integumental	137
Other Circulatory/Respiratory	63		
		Malformation Syndromes	118
Gastro-Intestinal	102	Down Syndrome	62
Rectal Atresia, Stenosis	7	Other Chromosomal	57
Tracheo-Esophageal Fistula	8		
Omphalocele, Gastroschisis	41	All Other	121
Other Gastrointestinal	47		

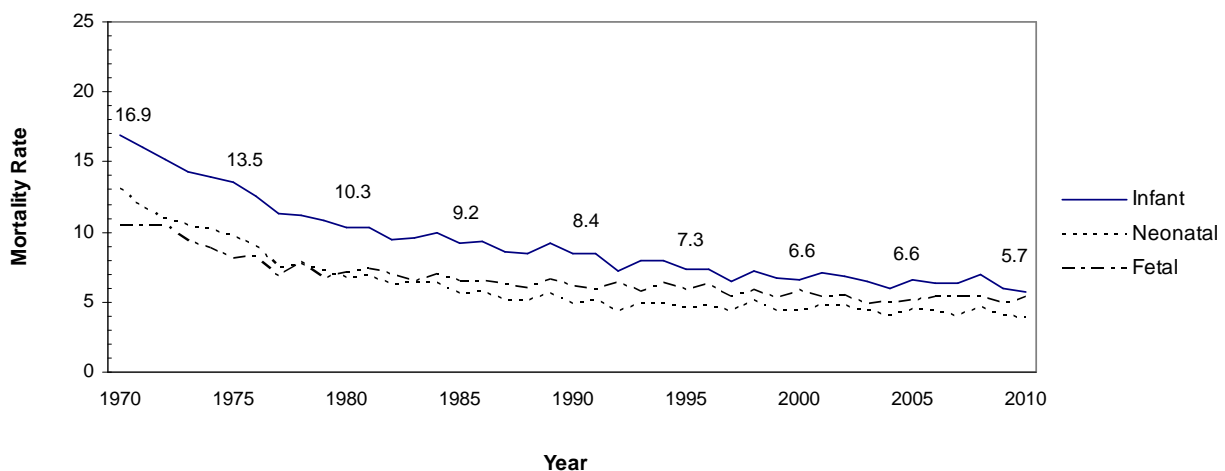
Source: Wisconsin resident birth certificates, Office of Health Informatics, Division of Public Health, Department of Health Services.

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, 393 infants under the age of one year died in 2010 (Table 2-28). The 2010 infant mortality rate was 5.7 infant deaths per 1,000 live births, compared to 6.0 in 2009 and 6.6 in 2000 (Figure 21). The 2010 infant mortality rate was the lowest ever recorded for Wisconsin. The 2007 U.S. infant mortality rate (the latest available data) was 6.8 infant deaths per 1,000 live births.
- There were 257 neonatal deaths (deaths of infants less than 28 days of age) in 2010, accounting for 65 percent of total infant deaths that year. The neonatal mortality rate in 2010 was 3.8 neonatal deaths per 1,000 live births, compared with 4.0 in 2009 and 4.4 in 2000 (Figure 21). In the U.S. in 2007 (the latest available), the neonatal mortality rate was 4.4 per 1,000 live births.
- The fetal death rate (fetal deaths per 1,000 live births and fetal deaths) was 5.3 in 2010 (Figure 21). In comparison, the fetal death rate for 2000 was 5.9 per 1,000. (For the definition of “fetal death,” see Technical Notes, page 108.)
- There were 11 maternal deaths in 2010; these are deaths attributed to pregnancy-related health conditions or events of delivery.

Figure 21. Infant, Neonatal, and Fetal Mortality Rates, Wisconsin, 1970-2010

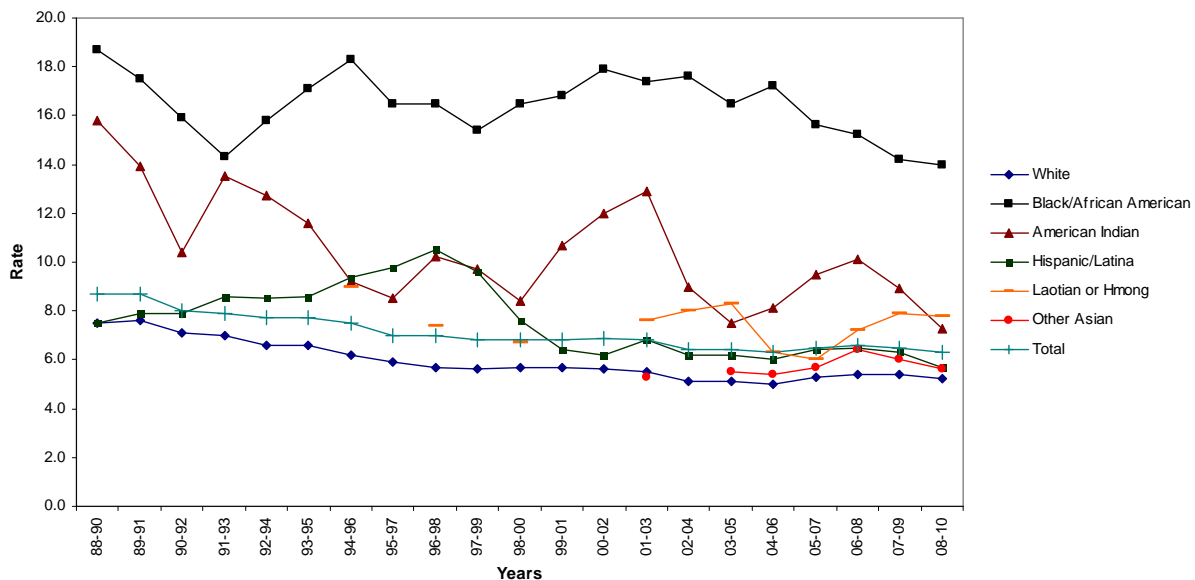


Source: Resident birth certificates, matched birth-death file, and fetal death file, Office of Health Informatics, Division of Public Health, Department of Health Services.

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 2010 infant, neonatal and fetal deaths, see Table 4-8, pages 102-103.

- The black/African American infant mortality rate for 2010 was 13.9 deaths per 1,000 births to black/African American women, compared to 14.3 in 2009 and 16.8 in 2000. The 2010 white infant mortality rate was 4.9 deaths per 1,000 births to white women, compared to 4.9 in 2009 and 5.6 in 2000. The Hispanic/Latino infant mortality rate for 2010 was 4.4 deaths per 1,000 births to Hispanic/Latina women, compared to 5.5 in 2009 and 4.7 in 2000. 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 1988. The rate was 15.8 per 1,000 live births in 1988-1990 and 7.3 per 1,000 in 2008-2010.
- The black/African American infant mortality rate has remained much higher than rates for other populations in Wisconsin for at least two decades, with some improvement seen in recent years. The three-year average rate was 18.7 per 1,000 live births in 1988-1990 and 14.0 in 2008-2010.
- The Laotian or Hmong and Other Asian infant mortality rates are not available for all years. The number of infant deaths in these race/ethnicity groups is often too small to present a rate. In 2008-2010, the Laotian or Hmong infant mortality rate was 7.8 per 1,000 live births compared to 9.0 in 1994-1996. The Other Asian infant mortality rate in 2008-2010 was 5.6 per 1,000 live births compared to 5.3 in 2001-2003.
- The Hispanic/Latino infant mortality rate fluctuated; it was 7.5 per 1,000 live births in 1988-1990 and 5.7 per 1,000 in 2008-2010. Total infant mortality and white infant mortality declined gradually over the 1988-2010 period, to 6.3 and 5.2, respectively.

Figure 22. Infant Mortality Rates by Race/Ethnicity, Three-Year Rolling Averages, Wisconsin, 1987-2010



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 2010 infant, neonatal and fetal deaths, see Table 4-8, pages 102-103. Total includes all infant deaths, including those in groups with annual numbers 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 2010, the infant mortality rate was 8.9 per 1,000 births among infants born to mothers aged less than 20, compared with 5.5 per 1,000 among infants born to women aged 20 and older.
- From 1990-1992 to 2007-2009, the non-Hispanic white infant mortality rate for mothers less than 20 years old dropped from 12.4 to 10.5. In 2008-2010, there were not enough deaths in this group to present a rate. The black/African American infant mortality rate for mothers less than 20 dropped from a high of 21.4 in 2001-2003 to 14.7 in 2008-2010. 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 8.7 in 2007-2009. There were not enough deaths to present a rate for this group for 2008-2010.
- 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 4.7 in 2008-2010. The Hispanic/Latino infant mortality rate for mothers aged 20 or older was 6.7 in 1990-1992 and 3.7 in 2008-2010. The non-Hispanic black/African American infant mortality rate for mothers aged 20 or older was 15.5 in 1990-1992 and 13.7 in 2008-2010.

Table 1-9. Infant Mortality Rates by Race/Ethnicity and Mother's Age, Three-Year Rolling Averages, Wisconsin 1990-2010

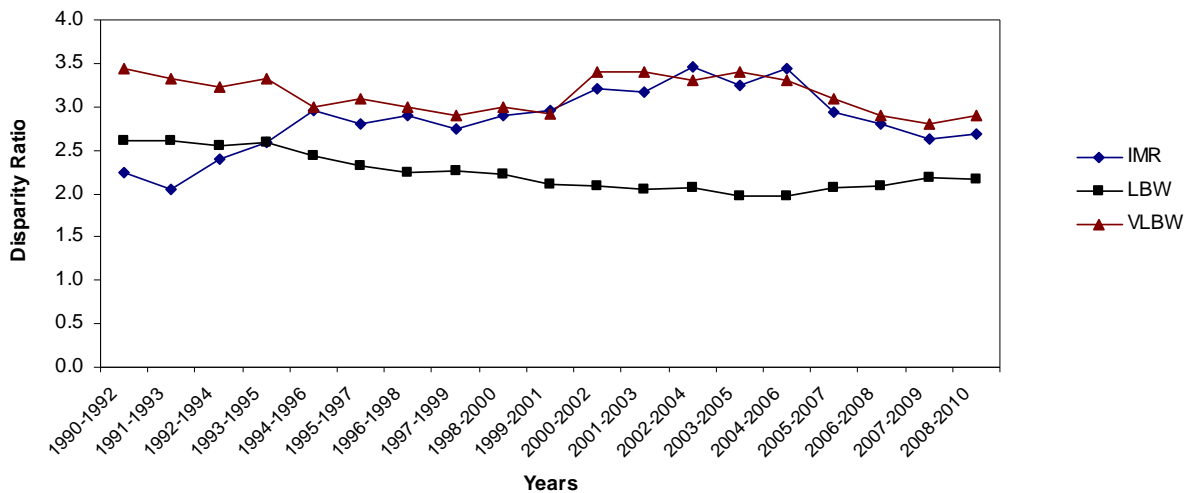
Years	Non-Hispanic White		Non-Hispanic Black/African American		Hispanic/Latino	
	<20	20+	<20	20+	<20	20+
1990-1992	12.4	6.6	16.5	15.5	-	6.7
1991-1993	11.3	6.7	14.4	14.3	-	7.2
1992-1994	10.5	6.3	15.3	16.0	14.4	6.9
1993-1995	10.5	6.3	16.4	17.4	-	8.3
1994-1996	10.6	5.8	17.0	18.8	-	9.3
1995-1997	10.3	5.5	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
2007-2009	10.5	5.1	13.7	14.3	8.7	5.9
2008-2010	-	4.7	14.7	13.7	-	3.7

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 2010 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 2.2 in 1990-1992 to 2.7 in 2008-2010 (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 much of the 15-year period before starting to gradually increase in 2005-2007. The low birthweight disparity ratio in 2008-2010 was 2.2 (Figure 23 and Table 1-7).
- The disparity ratio between the black/African American very low birthweight rate and the white very low birthweight rate decreased from 3.4 in 1990-1992 to 2.9 in 2008-2010.

Figure 23. Black or African American/White Disparity Ratio for Infant Mortality, Low Birthweight and Very Low Birthweight, Three-Year Rolling Averages, Wisconsin, 1990-2010



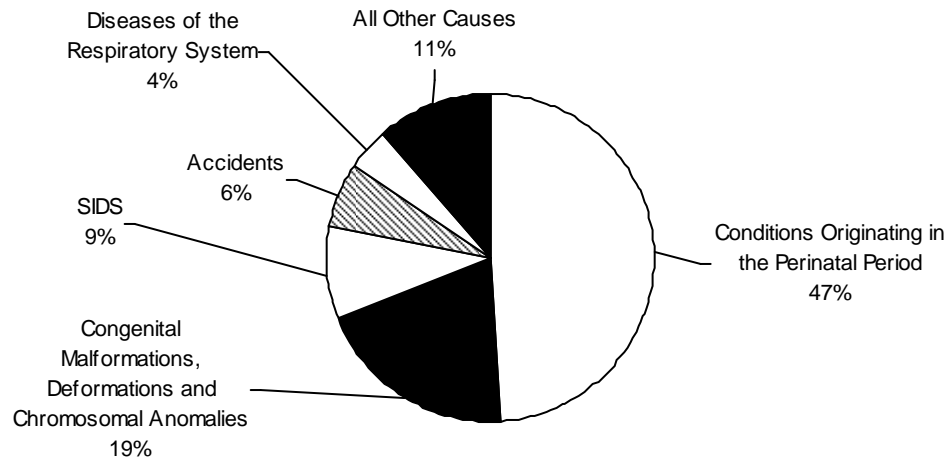
Source: Office of Health Informatics, Division of Public Health, Department of Health Services.

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 2010 (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 19 percent of infant deaths in 2010.
- Nine percent of infant deaths in 2010 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, Wisconsin, 2010

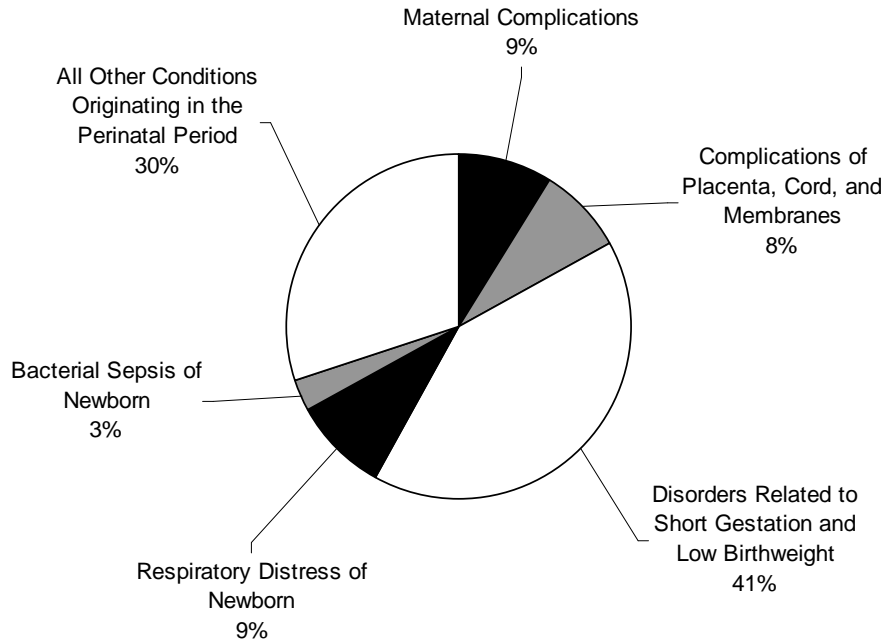


Source: Matched birth-death file, Office of Health Informatics, Division of Public Health, Department of Health Services.

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, Wisconsin, 2010



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 2010

County	Population Estimate	Total Births	Male	Female	Crude Birth Rate	General Fertility Rate
Total	5,686,986	68,367	35,010	33,357	12.0	62.3
Adams	20,875	135	66	69	6.5	53.1
Ashland	16,157	177	94	83	11.0	62.3
Barron	45,870	546	290	256	11.9	72.3
Bayfield	15,014	113	57	56	7.5	57.1
Brown	248,007	3,414	1,813	1,601	13.8	67.8
Buffalo	13,587	125	64	61	9.2	56.9
Burnett	15,457	138	70	68	8.9	65.2
Calumet	48,971	605	315	290	12.4	65.5
Chippewa	62,415	748	392	356	12.0	70.4
Clark	34,690	600	298	302	17.3	105.4
Columbia	56,833	600	288	312	10.6	61.5
Crawford	16,644	157	90	67	9.4	64.4
Dane	488,073	6,051	3,154	2,897	12.4	54.7
Dodge	88,759	872	463	409	9.8	59.2
Door	27,785	215	119	96	7.7	55.5
Douglas	44,159	487	224	263	11.0	58.2
Dunn	43,857	468	258	210	10.7	48.1
Eau Claire	98,736	1,114	605	509	11.3	49.7
Florence	4,423	29	23	6	6.6	47.6
Fond du Lac	101,633	1,066	542	524	10.5	55.7
Forest	9,304	117	65	52	12.6	77.0
Grant	51,208	545	265	280	10.6	58.6
Green	36,842	414	201	213	11.2	64.6
Green Lake	19,051	211	111	100	11.1	72.5
Iowa	23,687	290	147	143	12.2	72.2
Iron	5,916	40	22	18	6.8	50.2
Jackson	20,449	237	115	122	11.6	73.9
Jefferson	83,686	923	459	464	11.0	56.2
Juneau	26,664	263	137	126	9.9	64.3
Kenosha	166,426	2,055	1,032	1,023	12.3	60.4
Kewaunee	20,574	205	108	97	10.0	60.5
La Crosse	114,638	1,345	693	652	11.7	53.3
Lafayette	16,836	207	104	103	12.3	74.4
Langlade	19,977	204	119	85	10.2	66.1
Lincoln	28,743	283	137	146	9.8	61.6
Manitowoc	81,442	805	421	384	9.9	58.5

(Continued)

Table 2-1. Population, Births by Sex, Crude and General Fertility Rates by County of Residence, Wisconsin 2010

County	Population Estimate	Total Births	Male	Female	Crude Birth Rate	General Fertility Rate
Marathon	134,063	1,656	849	807	12.4	67.4
Marinette	41,749	389	212	177	9.3	59.0
Marquette	15,404	160	85	75	10.4	72.0
Menominee	4,232	108	61	47	25.5	134.0
Milwaukee	947,735	14,310	7,223	7,087	15.1	68.2
Monroe	44,673	627	301	326	14.0	79.8
Oconto	37,660	368	184	184	9.8	58.8
Oneida	35,998	307	154	153	8.5	57.8
Outagamie	176,695	2,268	1,203	1,065	12.8	65.1
Ozaukee	86,395	774	384	390	9.0	52.4
Pepin	7,469	65	30	35	8.7	53.2
Pierce	41,019	425	208	217	10.4	45.5
Polk	44,205	457	251	206	10.3	61.4
Portage	70,019	749	366	383	10.7	50.3
Price	14,159	115	61	54	8.1	58.8
Racine	195,408	2,484	1,289	1,195	12.7	68.4
Richland	18,021	194	106	88	10.8	67.3
Rock	160,331	1,991	1,055	936	12.4	63.8
Rusk	14,755	138	68	70	9.4	62.4
St. Croix	84,345	1,119	559	560	13.3	67.7
Sauk	61,976	783	388	395	12.6	70.2
Sawyer	16,557	167	84	83	10.1	70.3
Shawano	41,949	447	226	221	10.7	63.4
Sheboygan	115,507	1,325	686	639	11.5	64.7
Taylor	20,689	238	131	107	11.5	70.5
Trempealeau	28,816	377	191	186	13.1	76.3
Vernon	29,773	399	207	192	13.4	83.7
Vilas	21,430	191	93	98	8.9	70.2
Walworth	102,228	1,077	576	501	10.5	54.7
Washburn	15,911	152	72	80	9.6	66.7
Washington	131,887	1,371	705	666	10.4	58.5
Waukesha	389,891	3,886	1,951	1,935	10.0	57.3
Waupaca	52,410	503	253	250	9.6	58.4
Waushara	24,496	232	95	137	9.5	67.9
Winnebago	166,994	1,872	921	951	11.2	56.2
Wood	74,749	839	421	418	11.2	65.0

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. 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 2010

City	Population Estimate	Births	Crude Birth Rate
Appleton	72,563	1,288	17.8
Beloit	37,000	563	15.2
Brookfield	39,600	300	7.6
Caledonia (V)	25,200	244	9.7
De Pere	23,020	355	15.4
Eau Claire	66,149	790	11.9
Fitchburg	23,690	426	18.0
Fond du Lac	43,800	585	13.4
Franklin	33,900	351	10.4
Grand Chute	20,590	131	6.4
Green Bay	104,000	1,857	17.9
Greenfield	36,300	373	10.3
Janesville	63,600	796	12.5
Kenosha	96,400	1,460	15.1
La Crosse	51,900	587	11.3
Madison	228,200	2,825	12.4
Manitowoc	34,800	384	11.0
Menomonee Falls (V)	34,600	362	10.5
Mequon	23,810	132	5.5
Milwaukee	580,500	10,357	17.8
Mount Pleasant (V)	26,100	234	9.0
Muskego	23,190	236	10.2
Neenah	25,800	416	16.1
New Berlin	39,300	349	8.9
Oak Creek	32,600	410	12.6
Oshkosh	66,080	720	10.9
Racine	80,100	1,373	17.1
Sheboygan	50,400	736	14.6
South Milwaukee	21,230	241	11.4
Stevens Point	26,500	288	10.9
Sun Prairie	26,300	439	16.7
Superior	27,300	346	12.7
Watertown	23,127	290	12.5
Waukesha	69,100	1,026	14.8
Wausau	40,700	567	13.9
Wauwatosa	45,800	585	12.8
West Allis	60,600	834	13.8
West Bend	30,400	412	13.6

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.

Table 2-3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2010

STATE TOTAL	68,367	Kiel (C) (Pt.)	6	Monona (C)	87
Urban*	54,948	Menasha (C) (Pt.)	39	Mount Horeb (V)	110
Balance of State	13,419	New Holstein (C)	38	Oregon (T)	56
		Sherwood (V)	46	Oregon (V)	84
ADAMS	135	Balance of County	107	Pleasant Springs (T)	16
Rome (T)	11			Springfield (T)	15
Balance of County	124	CHIPPEWA	748	Stoughton (C)	151
		Bloomer (C)	55	Sun Prairie (C)	439
ASHLAND	177	Chippewa Falls (C)	205	Verona (C)	102
Ashland (C) (Pt.)	93	Eagle Point (T)	18	Waunakee (V)	113
Balance of County	84	Eau Claire (C) (Pt.)	39	Westport (T)	37
		Lafayette (T)	58	Windsor (T)	51
BARRON	546	Lake Hallie (V)	69	Balance of County	584
Barron (C)	48	Stanley (C) (Pt.)	31		
Rice Lake (C)	109	Wheaton (T)	29	DODGE	872
Rice Lake (T)	20	Balance of County	244	Assippun (T)	26
Balance of County	369			Beaver Dam (C)	200
		CLARK	600	Beaver Dam (T)	37
BAYFIELD	113	Neillsville (C)	23	Columbus (C) (Pt.)	7
Ashland (C) (Pt.)	3	Balance of County	577	Fox Lake (T)	8
Balance of County	110			Hartford (C) (Pt.)	2
		COLUMBIA	600	Horicon (C)	46
BROWN	3,414	Columbus (C) (Pt.)	67	Juneau (C)	27
Allouez (V)	131	Lodi (C)	30	Mayville (C)	64
Ashwaubenon (V)	159	Lodi (T)	29	Watertown (C) (Pt.)	83
Bellevue (V)	176	Pacific (T)	11	Waupun (C) (Pt.)	72
De Pere (C)	355	Portage (C)	131	Balance of County	300
Green Bay (C)	1,857	Poynette (V)	33		
Hobart (V)	50	Balance of County	299	DOOR	215
Howard (V) (Pt.)	175			Sevastopol (T)	10
Lawrence (T)	53	CRAWFORD	157	Sturgeon Bay (C)	98
Ledgeview (T)	58	Prairie du Chien (C)	68	Balance of County	107
Pittsfield (T)	16	Balance of County	89		
Pulaski (V) (Pt.)	74			DOUGLAS	487
Scott (T)	25	DANE	6,051	Superior (C)	346
Suamico (V)	84	Bristol (T)	30	Balance of County	141
Wrightstown (V) (Pt.)	29	Burke (T)	34		
Balance of County	172	Cottage Grove (T)	46	DUNN	468
		Cottage Grove (V)	71	Menomonie (C)	161
BUFFALO	125	Cross Plains (V)	31	Menomonie (T)	30
Mondovi (C)	41	De Forest (V)	146	Balance of County	277
Balance of County	84	Dunn (T)	33		
		Edgerton (C) (Pt.)	8	EAU CLAIRE	1,114
BURNETT	138	Fitchburg (C)	426	Altoona (C)	93
		Madison (C)	2,825	Eau Claire (C) (Pt.)	751
CALUMET	605	Madison (T)	142	Pleasant Valley (T)	21
Appleton (C) (Pt.)	187	Marshall (V)	67	Seymour (T)	28
Brillion (C)	42	McFarland (V)	98	Union (T)	37
Chilton (C)	43	Middleton (C)	174	Washington (T)	52
Harrison (T)	97	Middleton (T)	75	Balance of County	132

* "Urban" is the sum of incorporated places having a population of 2,500 or more according to 2010 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 2010

FLORENCE	29	Whitewater (C) (Pt.)	14	Kiel (C) (Pt.)	56
		Balance of County	216	Manitowoc (C)	384
FOND DU LAC	1,066			Manitowoc Rapids (T)	14
Empire (T)	11	JUNEAU	263	Two Rivers (C)	118
Fond du Lac (C)	585	Mauston (C)	65	Balance of County	233
Fond du Lac (T)	32	Necedah (T)	22		
Friendship (T)	14	Balance of County	176	MARATHON	1,656
North Fond du Lac (V)	59			Kronenwetter (V)	69
Ripon (C)	62	KENOSHA	2,055	Marshfield (C) (Pt.)	7
Taycheedah (T)	24	Bristol (V)	47	Mosinee (C)	69
Waupun (C) (Pt.)	45	Genoa City (V) (Pt.)	4	Rib Mountain (T)	60
Balance of County	234	Kenosha (C)	1,460	Rothschild (V)	54
		Paddock Lake (V)	34	Wausau (C)	567
FOREST	117	Pleasant Prairie (V)	149	Weston (V)	190
		Randall (T)	15	Balance of County	640
GRANT	545	Salem (T)	137		
Boscobel (C)	40	Somers (T)	62	MARINETTE	389
Lancaster (C)	72	Twin Lakes (V)	62	Marinette (C)	137
Platteville (C)	82	Wheatland (T)	29	Peshtigo (C)	38
Balance of County	351	Balance of County	56	Peshtigo (T)	23
				Stephenson (T)	14
GREEN	414	KEWAUNEE	205	Balance of County	177
Brodhead (C) (Pt.)	42	Algoma (C)	34		
Monroe (C)	146	Kewaunee (C)	33	MARQUETTE	160
Balance of County	226	Balance of County	138		
				MENOMINEE	108
GREEN LAKE	211	LA CROSSE	1,345	Menominee (T)	108
Berlin (C) (Pt.)	76	Campbell (T)	28		
Balance of County	135	Holland (T)	39	MILWAUKEE	14,310
		Holmen (V)	150	Bayside (V) (Pt.)	32
IOWA	290	La Crosse (C)	587	Brown Deer (V)	118
Dodgeville (C)	71	Onalaska (C)	240	Cudahy (C)	216
Mineral Point (C)	34	Onalaska (T)	66	Fox Point (V)	55
Balance of County	185	Shelby (T)	38	Franklin (C)	351
		West Salem (V)	66	Glendale (C)	129
IRON	40	Balance of County	131	Greendale (V)	92
				Greenfield (C)	373
JACKSON	237	LAFAYETTE	207	Hales Corners (V)	61
Black River Falls (C)	53			Milwaukee (C) (Pt.)	10,356
Brockway (T)	16	LANGLADE	204	Oak Creek (C)	410
Balance of County	168	Antigo (C)	119	Shorewood (V)	113
		Balance of County	85	South Milwaukee (C)	241
JEFFERSON	923			St. Francis (C)	88
Ft. Atkinson (C)	158	LINCOLN	283	Wauwatosa (C)	585
Ixonia (T)	65	Bradley (T)	10	West Allis (C)	834
Jefferson (C)	106	Merrill (C)	121	West Milwaukee (V)	59
Koshkonong (T)	32	Merrill (T)	31	Whitefish Bay (V)	187
Lake Mills (C)	75	Tomahawk (C)	50	Balance of County	10
Oakland (T)	15	Balance of County	71		
Waterloo (C)	35			MONROE	627
Watertown (C) (Pt.)	207	MANITOWOC	805	Sparta (C)	148

(Continued)

Table 2-3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2010

Sparta (T)	47	PEPIN	65	Edgerton (C) (Pt.)	93
Tomah (C)	131			Evansville (C)	69
Balance of County	301	PIERCE	425	Fulton (T)	21
OCONTO	368	Ellsworth (V)	34	Janesville (C)	796
Chase (T)	27	Prescott (C)	65	Janesville (T)	20
Little Suamico (T)	45	River Falls (C) (Pt.)	111	Milton (C)	92
Oconto (C)	70	Balance of County	215	Milton (T)	22
Oconto Falls (C)	37	POLK	457	Rock (T)	26
Pulaski (V) (Pt.)	1	Alden (T)	12	Balance of County	211
Balance of County	188	Amery (C)	46	RUSK	138
		Lincoln (T)	18	Ladysmith (C)	50
ONEIDA	307	Osceola (T)	38	Balance of County	88
Minocqua (T)	39	Osceola (V)	28		
Newbold (T)	17	Balance of County	315	ST. CROIX	1,119
Pelican (T)	16			Baldwin (V)	70
Pine Lake (T)	18	PORTAGE	749	Hudson (C)	286
Rhineland (C)	106	Hull (T)	52	Hudson (T)	51
Balance of County	111	Plover (V)	159	New Richmond (C)	188
		Stevens Point (C)	288	North Hudson (V)	12
OUTAGAMIE	2,268	Stockton (T)	29	Richmond (T)	22
Appleton (C) (Pt.)	1,053	Balance of County	221	River Falls (C) (Pt.)	66
Buchanan (T)	32			Somerset (T)	81
Center (T)	12	PRICE	115	St. Joseph (T)	19
Combined Locks (V)	31	Park Falls (C)	26	Star Prairie (T)	20
Dale (T)	19	Balance of County	89	Troy (T)	15
Ellington (T)	19			Balance of County	289
Freedom (T)	64	RACINE	2,484		
Grand Chute (T)	131	Burlington (C) (Pt.)	142	SAUK	783
Greenville (T)	144	Burlington (T)	71	Baraboo (C)	182
Hortonville (V)	59	Caledonia (V)	244	Lake Delton (V)	27
Kaukauna (C)	264	Dover (T)	25	Prairie du Sac (V)	58
Kimberly (V)	71	Mt. Pleasant (V)	234	Reedsburg (C)	138
Little Chute (V)	113	Norway (T)	64	Sauk City (V)	50
New London (C) (Pt.)	31	Racine (C)	1,373	Balance of County	328
Oneida (T)	59	Raymond (T)	28		
Seymour (C)	34	Sturtevant (V)	71	SAWYER	167
Wrightstown (V) (Pt.)	2	Union Grove (V)	70	Hayward (T)	57
Balance of County	130	Waterford (T)	53	Balance of County	110
		Waterford (V)	51		
OZAUKEE	774	Yorkville (T)	19	SHAWANO	447
Bayside (V) (Pt.)	1	Balance of County	39	Pulaski (V) (Pt.)	4
Cedarburg (C)	83			Shawano (C)	135
Cedarburg (T)	48	RICHLAND	194	Wescott (T)	20
Grafton (T)	36	Richland Center (C)	81	Balance of County	288
Grafton (V)	122	Balance of County	113		
Mequon (C)	132			SHEBOYGAN	1,325
Port Washington (C)	140	ROCK	1,991	Greenbush (T)	13
Saukville (V)	62	Beloit (C)	563	Howards Grove (V)	47
Thiensville (V)	32	Beloit (T)	76	Lima (T)	19
Balance of County	118	Brodhead (C) (Pt.)	2	Oostburg (V)	35

(Continued)

Table 2-3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2010

Plymouth (C)	95	WASHINGTON	1,371	Wales (V)	20
Plymouth (T)	23	Addison (T)	26	Waukesha (C)	1,026
Sheboygan (C)	736	Barton (T)	8	Waukesha (T)	85
Sheboygan (T)	47	Erin (T)	26	Balance of County	123
Sheboygan Falls (C)	75	Farmington (T)	26		
Wilson (T)	24	Germantown (V)	172	WAUPACA	503
Balance of County	211	Hartford (C) (Pt.)	224	Clintonville (C)	46
		Hartford (T)	41	Dayton (T)	14
TAYLOR	238	Jackson (T)	27	Farmington (T)	22
Medford (C)	59	Jackson (V)	74	Mukwa (T)	12
Balance of County	179	Kewaskum (V) (Pt.)	54	New London (C) (Pt.)	85
		Polk (T)	21	Waupaca (C)	76
TREMPEALEAU	377	Richfield (V)	78	Balance of County	248
		Slinger (V)	63		
VERNON	399	Trenton (T)	31	WAUSHARA	232
Viroqua (C)	60	West Bend (C)	412	Berlin (C) (Pt.)	4
Balance of County	339	West Bend (T)	20	Balance of County	228
		Balance of County	68		
VILAS	191			WINNEBAGO	1,872
Arbor Vitae (T)	29	WAUKESHA	3,886	Algoma (T)	39
Lac du Flambeau (T)	61	Brookfield (C)	300	Appleton (C) (Pt.)	48
Lincoln (T)	9	Brookfield (T)	52	Black Wolf (T)	15
Balance of County	92	Delafield (C)	63	Clayton (T)	23
		Delafield (T)	31	Menasha (C) (Pt.)	243
WALWORTH	1,077	Eagle (T)	21	Menasha (T)	136
Bloomfield (T)	64	Elm Grove (V)	43	Neenah (C)	416
Burlington (C) (Pt.)	2	Genesee (T)	26	Neenah (T)	37
Delavan (C)	136	Hartland (V)	130	Omro (C)	40
Delavan (T)	47	Lisbon (T)	47	Oshkosh (C)	720
East Troy (T)	43	Menomonee Falls (V)	362	Oshkosh (T)	34
East Troy (V)	57	Merton (T)	38	Winneconne (V)	20
Elkhorn (C)	158	Merton (V)	14	Balance of County	101
Geneva (T)	38	Milwaukee (C) (Pt.)	1		
Genoa City (V) (Pt.)	72	Mukwonago (T)	54	WOOD	839
La Grange (T)	12	Mukwonago (V) (Pt.)	87	Grand Rapids (T)	52
Lake Geneva (C)	101	Muskego (C)	236	Marshfield (C) (Pt.)	258
Lyons (T)	25	New Berlin (C)	349	Nekoosa (C)	29
Sugar Creek (T)	41	Oconomowoc (C)	230	Saratoga (T)	33
Walworth (V)	17	Oconomowoc (T)	87	Wisconsin Rapids (C)	220
Whitewater (C) (Pt.)	87	Ottawa (T)	15	Balance of County	247
Williams Bay (V)	33	Pewaukee (C)	152		
Balance of County	144	Pewaukee (V)	112		
		Summit (T)	28		
WASHBURN	152	Sussex (V)	124		
Spooner (C)	32	Vernon (T)	30		
Balance of County	120				

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 2010

County	City	Hospital	Births
Adams	Friendship	Adams County Memorial Hospital	1
Ashland	Ashland	Memorial Medical Center	235
Barron	Cumberland	Cumberland Memorial Hospital	60
	Rice Lake	Lakeview Medical Center	407
	Barron	Barron Memorial Medical Center	122
Brown	Green Bay	Aurora Baycare Medical Center	1,704
	Green Bay	Bellin Health System	1,229
	Green Bay	St Marys Hospital Medical Center	632
	Green Bay	St Vincent Hospital	932
Burnett	Grantsburg	Burnett Medical Center, Inc.	44
Chippewa	Bloomer	Bloomer Memorial Medical Center	1
	Chippewa Falls	St Josephs Hospital	468
	Neillsville	Memorial Hospital, Inc.	42
Columbia	Columbus	Columbus Community Hospital, Inc.	70
	Portage	Divine Savior Healthcare	232
Crawford	Prairie du Chien	Prairie du Chien Memorial Hospital	122
Dane	Madison	Meriter Hospital, Inc	3,702
	Madison	St Marys Hospital Medical Center	3,356
	Middleton	Madison Birth Center	39
	Stoughton	Stoughton Hospital	1
Dodge	Beaver Dam	Beaver Dam Community Hospital	362
	Watertown	Watertown Memorial Hospital	279
	Waupun	Waupun Memorial Hospital	134
Door	Sturgeon Bay	Door County Memorial Hospital	148
Dunn	Menomonie	Red Cedar Medical Center	357
Eau Claire	Eau Claire	Luther Hospital	885
	Eau Claire	Sacred Heart Hospital	928
Fond du Lac	Fond du Lac	St. Agnes Hospital	876
Grant	Boscobel	Boscobel Area Health Care	36
	Lancaster	Grant Regional Health Center, Inc.	142
	Platteville	Southwest Health Center	138
Green	Monroe	The Monroe Clinic	472
Green Lake	Berlin	Berlin Memorial Hospital	202
Iowa	Dodgeville	Upland Hills Health, Inc.	277
Jackson	Black River Falls	Black River Memorial Hospital	146
Jefferson	Fort Atkinson	Fort Atkinson Memorial Hospital	505
Juneau	Mauston	Hess Memorial Hospital	141
Kenosha	Kenosha	Aurora Medical Center	806
	Kenosha	United Hospital Systems-Keno Med Ctr Camp	1,073
La Crosse	La Crosse	Gundersen Lutheran Medical Center	1,456
	La Crosse	Franciscan Skemp Healthcare	910
Lafayette	Darlington	Memorial Hospital of Lafayette County	57
Langlade	Antigo	Langlade Memorial Hospital	156
Lincoln	Merrill	Good Samaritan Health Center	1
Manitowoc	Manitowoc	Holy Family Memorial Medical Center	215
	Two Rivers	Aurora Medical Center	422
Marathon	Wausau	Wausau Hospital	1,286
	Weston	St Clares Hospital	695
Marinette	Marinette	Bay Area Medical Center	316

(Continued)

Table 2-4. Births by County, City and Facility of Occurrence, Wisconsin 2010

County	City	Hospital	Births
Milwaukee	Milwaukee	Aurora Sinai Medical Center, Inc.	2,682
	Milwaukee	St. Francis Hospital	952
	Milwaukee	St. Josephs Regional Medical Center	3,223
	Milwaukee	St. Marys Hospital	3,332
	Wauwatosa	Froedert Memorial Lutheran Hospital	1,930
	West Allis	West Allis Memorial Hospital	3,455
Monroe	Sparta	Franciscan Skemp Healthcare – Sparta	3
	Tomah	Tomah Memorial Hospital, Inc.	357
Oconto	Oconto Falls	Community Memorial Hospital	112
Oneida	Rhineland	Sacred Heart-St Marys Hospital, Inc.	409
	Woodruff	Howard Young Medical Center	312
Outagamie	Appleton	Appleton Medical Center	1,120
	Appleton	St Elizabeth Hospital	1,175
	New London	New London Family Medical Center	117
Ozaukee	Grafton	Aurora Medical Center	44
	Mequon	The Columbia Center	839
Polk	Amery	Amery Regional Medical Center	140
	Osceola	Osceola Medical Center	70
	Saint Croix	St Croix Regional Medical Center	296
Portage	Stevens Point	St. Michaels Hospital	550
Price	Park Falls	Flambeau Hospital, Inc.	1
Racine	Burlington	Aurora Memorial Hospital Of Burlington	329
	Racine	All Saints-St. Lukes Health Pavilion	1,790
Richland	Richland Center	The Richland Hospital	176
Rock	Beloit	Beloit Memorial Hospital, Inc.	617
	Janesville	Mercy Health System	1,154
Rusk	Ladysmith	Rusk County Memorial Hospital	65
Sauk	Baraboo	St Clare Hospital and Health Services	294
	Prairie du Sac	Sauk Prairie Memorial Hospital	291
	Reedsburg	Reedsburg Area Medical Center	280
Sawyer	Hayward	Hayward Area Memorial Hospital	159
Shawano	Shawano	Shawano Medical Center	323
Sheboygan	Sheboygan	Aurora Sheboygan Memorial Medical Center	1,024
	Sheboygan	St. Nicholas Hospital	294
St.Croix	Baldwin	Baldwin Area Medical Center	66
	Hudson	Hudson Hospital	529
	New Richmond	Westfields Hospital	109
	River Falls	River Falls Area Hospital	246
Taylor	Medford	Memorial Health Center, Inc.	199
Trempealeau	Arcadia	Franciscan Skemp Healthcare-Arcadia	64
Vernon	Hillsboro	St Josephs Community Health Services	8
	La Farge	The LaFarge Clinic	71
	Viroqua	Vernon Memorial Hospital	156
Walworth	Elkhorn	Aurora Lakeland Medical Center	725
Washburn	Shell Lake	Indianhead Medical Center, Inc.	11
	Spooner	Spooner Health System	65
Washington	Hartford	Aurora Medical Center	214

(Continued)

Table 2-4. Births by County, City and Facility of Occurrence, Wisconsin 2010

County	City	Hospital	Births
	West Bend	St. Josephs Community Hospital	701
Waukesha	Brookfield	Wheaten Franciscan – St. Joseph/Elmbrook Unit	459
	Menomonee Falls	Community Memorial Hospital	960
	Oconomowoc	Oconomowoc Memorial Hospital	472
	Summit	Aurora Medical Center	295
	Waukesha	Waukesha Memorial Hospital	1,998
Waupaca	Waupaca	Riverside Medical Center	160
Winnebago	Neenah	Theda Clark Regional Medical Center	1,460
	Oshkosh	Aurora Medical Center Of Oshkosh	639
	Oshkosh	Mercy Medical Center	589
Wood	Marshfield	St. Josephs Hospital	1,043
	Wisconsin Rapids	Riverview Hospital Association	446

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 2010

County of Birth	Number of Births	County of Birth	Number of Births
Adams	4	Marinette	4
Ashland	1	Marquette	8
Barron	3	Menominee	-
Bayfield	6	Milwaukee	44
Brown	22	Monroe	48
Buffalo	3	Oconto	4
Burnett	-	Oneida	4
Calumet	5	Outagamie	12
Chippewa	13	Ozaukee	5
Clark	251	Pepin	52
Columbia	16	Pierce	8
Crawford	6	Polk	3
Dane	62	Portage	10
Dodge	6	Price	1
Door	6	Racine	6
Douglas	7	Richland	7
Dunn	4	Rock	21
Eau Claire	32	Rusk	4
Florence	-	St. Croix	10
Fond du Lac	6	Sauk	11
Forest	-	Sawyer	2
Grant	55	Shawano	18
Green	4	Sheboygan	18
Green Lake	52	Taylor	6
Iowa	2	Trempealeau	20
Iron	-	Vernon	113
Jackson	25	Vilas	-
Jefferson	6	Walworth	14
Juneau	4	Washburn	4
Kenosha	5	Washington	9
Kewaunee	2	Waukesha	32
La Crosse	5	Waupaca	12
Lafayette	4	Waushara	17
Langlade	3	Winnebago	5
Lincoln	4	Wood	7
Manitowoc	3	Unknown	2
Marathon	41	Total	1,209

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

Notes: This table shows the number of Wisconsin resident births in 2010 that occurred at home by the county in which the birth occurred. Almost all births (66,973 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 2010

County	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	68,367	57	1,345	3,745	14,954	21,513	17,982	7,176	1,475	98
Adams	135	-	3	18	32	42	22	14	4	-
Ashland	177	-	2	13	54	57	27	18	6	-
Barron	546	-	9	28	153	211	104	33	8	-
Bayfield	113	-	3	4	26	33	22	20	5	-
Brown	3,414	4	69	199	693	1,160	883	334	69	1
Buffalo	125	-	-	5	32	46	25	14	3	-
Burnett	138	-	5	10	31	50	32	9	1	-
Calumet	605	-	5	13	100	203	193	81	10	-
Chippewa	748	-	5	37	189	263	168	69	16	1
Clark	600	-	3	15	161	183	143	70	23	2
Columbia	600	-	7	32	109	182	182	66	18	4
Crawford	157	1	1	3	44	56	32	18	1	1
Dane	6,051	6	80	172	877	1,723	2,173	857	147	16
Dodge	872	-	5	49	219	305	201	77	15	1
Door	215	-	3	9	41	69	49	35	7	2
Douglas	487	-	5	33	135	165	115	29	5	-
Dunn	468	-	6	18	119	161	115	39	10	-
Eau Claire	1,114	-	12	47	262	402	264	95	31	1
Florence	29	-	1	-	7	10	9	2	-	-
Fond du Lac	1,066	1	15	59	248	371	271	82	19	-
Forest	117	-	6	16	31	38	18	5	3	-
Grant	545	-	5	25	142	185	130	47	9	2
Green	414	-	1	23	96	136	110	33	14	1
Green Lake	211	-	2	19	50	57	58	19	6	-
Iowa	290	-	3	14	58	88	82	39	5	1
Iron	40	-	1	1	8	13	9	7	1	-
Jackson	237	-	8	8	72	67	54	23	4	1
Jefferson	923	1	8	32	223	292	258	93	16	-
Juneau	263	-	7	23	66	83	62	21	1	-
Kenosha	2,055	-	56	140	490	606	507	204	49	3
Kewaunee	205	1	2	10	41	73	59	16	3	-
La Crosse	1,345	1	13	50	290	478	350	129	32	2
Lafayette	207	-	4	8	43	76	53	17	5	1
Langlade	204	-	8	13	68	55	40	17	3	-
Lincoln	283	-	3	18	84	87	54	31	6	-
Manitowoc	805	-	20	53	194	251	206	66	15	-
Marathon	1,656	1	21	82	373	571	404	176	25	3
Marinette	389	1	6	23	114	138	79	20	7	-
Marquette	160	-	1	13	37	56	28	20	4	1
Menominee	108	-	10	18	46	16	16	1	1	-
Milwaukee	14,310	26	518	1,121	3,610	4,096	3,296	1,334	280	15
Monroe	627	1	12	42	158	220	124	48	21	1

(Continued)

Table 2-6. Number of Births by Age of Mother and County of Residence, Wisconsin 2010

County	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Oconto	368	-	6	23	88	113	107	23	8	-
Oneida	307	-	7	12	81	87	76	34	10	-
Outagamie	2,268	-	33	105	427	788	646	233	35	1
Ozaukee	774	-	4	11	88	239	265	127	36	4
Pepin	65	-	1	3	14	21	17	7	2	-
Pierce	425	-	6	11	83	151	126	40	7	1
Polk	457	-	8	21	115	132	122	47	12	-
Portage	749	-	12	25	172	242	205	77	15	-
Price	115	-	1	3	32	38	28	9	4	-
Racine	2,484	2	73	168	612	747	583	248	47	1
Richland	194	1	1	10	45	59	48	24	6	-
Rock	1,991	4	56	163	507	626	433	166	33	3
Rusk	138	-	4	11	44	44	26	5	4	-
St. Croix	1,119	1	13	27	154	398	361	149	16	-
Sauk	783	1	7	42	188	265	205	58	16	1
Sawyer	167	-	8	14	52	46	37	7	3	-
Shawano	447	1	4	33	113	155	97	37	7	-
Sheboygan	1,325	1	29	83	287	424	336	136	28	1
Taylor	238	-	1	8	57	91	48	27	5	1
Trempealeau	377	-	3	20	100	135	88	25	4	2
Vernon	399	-	1	14	92	138	95	43	15	1
Vilas	191	-	3	18	46	62	38	21	3	-
Walworth	1,077	-	12	63	233	351	257	134	25	2
Washburn	152	-	3	7	38	53	36	11	3	1
Washington	1,371	-	15	33	187	465	431	204	33	3
Waukesha	3,886	-	26	81	434	1,146	1,404	662	122	10
Waupaca	503	1	8	39	114	169	118	47	5	2
Waushara	232	-	7	24	67	72	31	23	7	1
Winnebago	1,872	1	25	97	433	596	511	165	42	2
Wood	839	-	14	60	225	286	180	59	14	1

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

Notes: Included in the total column are 22 births for which age of mother was not reported. A dash (-) indicates there were no births in that category.

Table 2-7. Percent of Births by Age of Mother and County of Residence, Wisconsin 2010

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	68,367	0.1%	2.0%	5.5%	21.9%	31.5%	26.3%	10.5%	0.1%	0.1%
Adams	135	-	2.2	13.3	23.7	31.1	16.3	10.4	-	-
Ashland	177	-	1.1	7.3	30.5	32.2	15.3	10.2	-	-
Barron	546	-	1.6	5.1	28.0	38.6	19.0	6.0	-	-
Bayfield	113	-	2.7	3.5	23.0	29.2	19.5	17.7	-	-
Brown	3,414	0.1	2.0	5.8	20.3	34.0	25.9	9.8	0.0	0.1
Buffalo	125	-	-	4.0	25.6	36.8	20.0	11.2	-	-
Burnett	138	-	3.6	7.2	22.5	36.2	23.2	6.5	-	-
Calumet	605	-	0.8	2.1	16.5	33.6	31.9	13.4	-	-
Chippewa	748	-	0.7	4.9	25.3	35.2	22.5	9.2	0.1	-
Clark	600	-	0.5	2.5	26.8	30.5	23.8	11.7	0.3	-
Columbia	600	-	1.2	5.3	18.2	30.3	30.3	11.0	0.7	-
Crawford	157	0.6	0.6	1.9	28.0	35.7	20.4	11.5	0.6	0.6
Dane	6,051	0.1	1.3	2.8	14.5	28.5	35.9	14.2	0.3	0.1
Dodge	872	-	0.6	5.6	25.1	35.0	23.1	8.8	0.1	-
Door	215	-	1.4	4.2	19.1	32.1	22.8	16.3	0.9	-
Douglas	487	-	1.0	6.8	27.7	33.9	23.6	6.0	-	-
Dunn	468	-	1.3	3.8	25.4	34.4	24.6	8.3	-	-
Eau Claire	1,114	-	1.1	4.2	23.5	36.1	23.7	8.5	0.1	-
Florence	29	-	3.4	-	24.1	34.5	31.0	6.9	-	-
Fond du Lac	1,066	0.1	1.4	5.5	23.3	34.8	25.4	7.7	-	0.1
Forest	117	-	5.1	13.7	26.5	32.5	15.4	4.3	-	-
Grant	545	-	0.9	4.6	26.1	33.9	23.9	8.6	0.4	-
Green	414	-	0.2	5.6	23.2	32.9	26.6	8.0	0.2	-
Green Lake	211	-	0.9	9.0	23.7	27.0	27.5	9.0	-	-
Iowa	290	-	1.0	4.8	20.0	30.3	28.3	13.4	0.3	-
Iron	40	-	2.5	2.5	20.0	32.5	22.5	17.5	-	-
Jackson	237	-	3.4	3.4	30.4	28.3	22.8	9.7	0.4	-
Jefferson	923	0.1	0.9	3.5	24.2	31.6	28.0	10.1	-	0.1
Juneau	263	-	2.7	8.7	25.1	31.6	23.6	8.0	-	-
Kenosha	2,055	-	2.7	6.8	23.8	29.5	24.7	9.9	0.1	-
Kewaunee	205	0.5	1.0	4.9	20.0	35.6	28.8	7.8	-	0.5
La Crosse	1,345	0.1	1.0	3.7	21.6	35.5	26.0	9.6	0.1	0.1
Lafayette	207	-	1.9	3.9	20.8	36.7	25.6	8.2	0.5	-
Langlade	204	-	3.9	6.4	33.3	27.0	19.6	8.3	-	-
Lincoln	283	-	1.1	6.4	29.7	30.7	19.1	11.0	-	-
Manitowoc	805	-	2.5	6.6	24.1	31.2	25.6	8.2	-	-
Marathon	1,656	0.1	1.3	5.0	22.5	34.5	24.4	10.6	0.2	0.1
Marinette	389	0.3	1.5	5.9	29.3	35.5	20.3	5.1	-	0.3
Marquette	160	-	0.6	8.1	23.1	35.0	17.5	12.5	0.6	-
Menominee	108	-	9.3	16.7	42.6	14.8	14.8	0.9	-	-
Milwaukee	14,310	0.2	3.6	7.8	25.2	28.6	23.0	9.3	0.1	0.2
Monroe	627	0.2	1.9	6.7	25.2	35.1	19.8	7.7	0.2	0.2

(Continued)

Table 2-7. Percent of Births by Age of Mother and County of Residence, Wisconsin 2010

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Oconto	368	-	1.6	6.3	23.9	30.7	29.1	6.3	-	-
Oneida	307	-	2.3	3.9	26.4	28.3	24.8	11.1	-	-
Outagamie	2,268	-	1.5	4.6	18.8	34.7	28.5	10.3	0.0	-
Ozaukee	774	-	0.5	1.4	11.4	30.9	34.2	16.4	0.5	-
Pepin	65	-	1.5	4.6	21.5	32.3	26.2	10.8	-	-
Pierce	425	-	1.4	2.6	19.5	35.5	29.6	9.4	0.2	-
Polk	457	-	1.8	4.6	25.2	28.9	26.7	10.3	-	-
Portage	749	-	1.6	3.3	23.0	32.3	27.4	10.3	-	-
Price	115	-	0.9	2.6	27.8	33.0	24.3	7.8	-	-
Racine	2,484	0.1	2.9	6.8	24.6	30.1	23.5	10.0	0.0	0.1
Richland	194	0.5	0.5	5.2	23.2	30.4	24.7	12.4	-	0.5
Rock	1,991	0.2	2.8	8.2	25.5	31.4	21.7	8.3	0.2	0.2
Rusk	138	-	2.9	8.0	31.9	31.9	18.8	3.6	-	-
St. Croix	1,119	0.1	1.2	2.4	13.8	35.6	32.3	13.3	-	0.1
Sauk	783	0.1	0.9	5.4	24.0	33.8	26.2	7.4	0.1	0.1
Sawyer	167	-	4.8	8.4	31.1	27.5	22.2	4.2	-	-
Shawano	447	0.2	0.9	7.4	25.3	34.7	21.7	8.3	-	0.2
Sheboygan	1,325	0.1	2.2	6.3	21.7	32.0	25.4	10.3	0.1	0.1
Taylor	238	-	0.4	3.4	23.9	38.2	20.2	11.3	0.4	-
Trempealeau	377	-	0.8	5.3	26.5	35.8	23.3	6.6	0.5	-
Vernon	399	-	0.3	3.5	23.1	34.6	23.8	10.8	0.3	-
Vilas	191	-	1.6	9.4	24.1	32.5	19.9	11.0	-	-
Walworth	1,077	-	1.1	5.8	21.6	32.6	23.9	12.4	0.2	-
Washburn	152	-	2.0	4.6	25.0	34.9	23.7	7.2	0.7	-
Washington	1,371	-	1.1	2.4	13.6	33.9	31.4	14.9	0.2	-
Waukesha	3,886	-	0.7	2.1	11.2	29.5	36.1	17.0	0.3	-
Waupaca	503	0.2	1.6	7.8	22.7	33.6	23.5	9.3	0.4	0.2
Waushara	232	-	3.0	10.3	28.9	31.0	13.4	9.9	0.4	-
Winnebago	1,872	0.1	1.3	5.2	23.1	31.8	27.3	8.8	0.1	0.1
Wood	839	-	1.7	7.2	26.8	34.1	21.5	7.0	0.1	-

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

Notes: Included in the total column are 22 births for which age of mother was not reported. A dash (-) indicates there were no births in that category.

Table 2-8. Number of Births by Age of Mother and Region, Wisconsin 2010

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	68,367	57	1,345	3,745	14,954	21,513	17,982	7,176	1,475	98
DHS Regions										
Southern	12,901	13	181	596	2,518	3,964	3,828	1,480	289	32
Southeastern	26,880	29	712	1,649	5,877	7,942	7,001	3,006	608	38
Northeastern	14,193	11	245	820	3,093	4,711	3,688	1,338	273	11
Western	9,168	3	116	393	2,150	3,180	2,270	842	202	12
Northern	5,225	1	91	287	1,316	1,716	1,195	510	103	5
Perinatal Regions										
South Central	14,345	13	199	674	2,838	4,413	4,216	1,646	314	32
Southeast	26,205	29	721	1,637	5,708	7,723	6,822	2,915	595	37
Fox Valley	6,917	3	96	369	1,476	2,312	1,856	670	128	7
Northeast	5,951	7	120	368	1,330	1,975	1,496	532	117	3
Western	8,209	4	98	334	1,877	2,879	2,045	779	182	11
North Central	5,466	1	84	281	1,381	1,794	1,269	533	115	7
Northwest	1,274	-	27	82	344	417	278	101	24	1

Table 2-9. Percent of Births by Age of Mother and Region, Wisconsin 2010

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	68,367	0.1%	2.0%	5.5%	21.9%	31.5%	26.3%	10.5%	2.2%	0.1%
DHS Regions										
Southern	12,901	0.1	1.4	4.6	19.5	30.7	29.7	11.5	2.2	0.2
Southeastern	26,880	0.1	2.6	6.1	21.9	29.5	26.0	11.2	2.3	0.1
Northeastern	14,193	0.1	1.7	5.8	21.8	33.2	26.0	9.4	1.9	0.1
Western	9,168	0.0	1.3	4.3	23.5	34.7	24.8	9.2	2.2	0.1
Northern	5,225	0.0	1.7	5.5	25.2	32.8	22.9	9.8	2.0	0.1
Perinatal Regions										
South Central	14,345	0.1	1.4	4.7	19.8	30.8	29.4	11.5	2.2	0.2
Southeast	26,205	0.1	2.8	6.2	21.8	29.5	26.0	11.1	2.3	0.1
Fox Valley	6,917	0.0	1.4	5.3	21.3	33.4	26.8	9.7	1.9	0.1
Northeast	5,951	0.1	2.0	6.2	22.3	33.2	25.1	8.9	2.0	0.1
Western	8,209	0.0	1.2	4.1	22.9	35.1	24.9	9.5	2.2	0.1
North Central	5,466	0.0	1.5	5.1	25.3	32.8	23.2	9.8	2.1	0.1
Northwest	1,274	-	2.1	6.4	27.0	32.7	21.8	7.9	1.9	0.1

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

Notes: Included in the totals are 22 births for which age of mother was not reported. A dash (-) indicates 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 2010

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/Latina	Laotian or Hmong	Other Asian
Total	68,367	50,893	6,845	1,129	6,560	1,264	1,628
Adams	135	127	1	-	3	-	4
Ashland	177	136	-	32	8	-	1
Barron	546	496	21	6	18	-	5
Bayfield	113	87	-	25	1	-	-
Brown	3,414	2,530	158	166	375	105	79
Buffalo	125	118	-	1	4	-	2
Burnett	138	114	1	17	5	-	1
Calumet	605	549	2	-	26	18	10
Chippewa	748	716	4	3	5	12	8
Clark	600	565	1	3	29	-	2
Columbia	600	571	7	3	16	1	2
Crawford	157	154	-	-	1	-	2
Dane	6,051	4,441	533	49	589	101	334
Dodge	872	793	5	3	66	-	5
Door	215	204	3	- 1	7	-	-
Douglas	487	446	10	14	11	1	5
Dunn	468	423	1	3	13	22	6
Eau Claire	1,114	971	8	10	35	68	20
Florence	29	28	-	1	-	-	-
Fond du Lac	1,066	940	17	7	80	11	11
Forest	117	79	-	36	2	-	-
Grant	545	529	4	2	7	1	2
Green	414	391	-	3	17	-	3
Green Lake	211	190	-	-	19	2	-
Iowa	290	282	1	- 1	2	-	4
Iron	40	34	-	4	2	-	-
Jackson	237	197	-	27	11	-	2
Jefferson	923	793	4	6	111	1	7
Juneau	263	248	-	7	7	-	1
Kenosha	2,055	1,407	226	15	364	1	40
Kewaunee	205	194	1	- 1	9	-	-
La Crosse	1,345	1,151	26	8	29	96	34
Lafayette	207	200	-	3	4	-	-
Langlade	204	192	4	- 5	3	-	-
Lincoln	283	279	-	-	2	-	2
Manitowoc	805	711	6	5	47	27	9
Marathon	1,656	1,374	13	15	54	144	52
Marinette	389	370	1	- 3	8	-	6
Marquette	160	145	-	-	12	-	3
Menominee	108	7	1	97	3	-	-
Milwaukee	14,310	5,707	5,053	155	2,631	326	421
Monroe	627	566	12	10	36	-	3

(Continued)

Table 2-10. Number of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2010

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/Latina	Laotian or Hmong	Other Asian
Oconto	368	349	-	12	6	-	1
Oneida	307	290	2	7	4	1	3
Outagamie	2,268	1,940	27	38	110	82	70
Ozaukee	774	700	12	7	30	3	22
Pepin	65	65	-	-	-	-	-
Pierce	425	401	3	5	10	-	6
Polk	457	439	1	- 7	6	-	4
Portage	749	650	5	5	36	43	10
Price	115	113	-	-	-	-	2
Racine	2,484	1,636	352	11	444	2	33
Richland	194	186	1	-	6	-	1
Rock	1,991	1,559	164	12	222	2	30
Rusk	138	133	-	1	3	-	1
St. Croix	1,119	1,061	9	5	26	6	12
Sauk	783	697	5	23	49	-	9
Sawyer	167	95	2	66	4	-	-
Shawano	447	373	1	59	13	-	1
Sheboygan	1,325	1,047	10	6	123	100	39
Taylor	238	231	-	-	5	-	2
Trempealeau	377	329	-	-	48	-	-
Vernon	399	382	1	1	9	1	5
Vilas	191	126	1	57	6	-	1
Walworth	1,077	848	14	2	203	2	8
Washburn	152	142	1	- 3	4	-	2
Washington	1,371	1,248	20	13	71	2	17
Waukesha	3,886	3,346	54	13	264	10	194
Waupaca	503	465	2	2	29	-	5
Waushara	232	188	-	1	40	2	1
Winnebago	1,872	1,629	27	16	91	64	45
Wood	839	770	7	10	26	7	18

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 48 births for which race/ethnicity of mother was not reported. A dash (-) indicates there were no births in that category.

Table 2-11. Percent of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2010

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latina	Laotian or Hmong	Other Asian
Total	68,367	74.4%	10.0%	1.7%	9.6%	1.8%	2.4%
Adams	135	94.1	0.7	-	2.2	-	3.0
Ashland	177	76.8	-	18.1	4.5	-	0.6
Barron	546	90.8	3.8	1.1	3.3	-	0.9
Bayfield	113	77.0	-	22.1	0.9	-	-
Brown	3,414	74.1	4.6	4.9	11.0	3.1	2.3
Buffalo	125	94.4	-	0.8	3.2	-	1.6
Burnett	138	82.6	0.7	12.3	3.6	-	0.7
Calumet	605	90.7	0.3	-	4.3	3.0	1.7
Chippewa	748	95.7	0.5	0.4	0.7	1.6	1.1
Clark	600	94.2	0.2	0.5	4.8	-	0.3
Columbia	600	95.2	1.2	0.5	2.7	0.2	0.3
Crawford	157	98.1	-	-	0.6	-	1.3
Dane	6,051	73.4	8.8	0.8	9.7	1.7	5.5
Dodge	872	90.9	0.6	0.3	7.6	-	0.6
Door	215	94.9	1.4	0.5	3.3	-	-
Douglas	487	91.6	2.1	2.9	2.3	0.2	1.0
Dunn	468	90.4	0.2	0.6	2.8	4.7	1.3
Eau Claire	1,114	87.2	0.7	0.9	3.1	6.1	1.8
Florence	29	96.6	-	3.4	-	-	-
Fond du Lac	1,066	88.2	1.6	0.7	7.5	1.0	1.0
Forest	117	67.5	-	30.8	1.7	-	-
Grant	545	97.1	0.7	0.4	1.3	0.2	0.4
Green	414	94.4	-	0.7	4.1	-	0.7
Green Lake	211	90.0	-	-	9.0	0.9	-
Iowa	290	97.2	0.3	0.3	0.7	-	1.4
Iron	40	85.0	-	10.0	5.0	-	-
Jackson	237	83.1	-	11.4	4.6	-	0.8
Jefferson	923	85.9	0.4	0.7	12.0	0.1	0.8
Juneau	263	94.3	-	2.7	2.7	-	0.4
Kenosha	2,055	68.5	11.0	0.7	17.7	0.0	1.9
Kewaunee	205	94.6	0.5	0.5	4.4	-	-
La Crosse	1,345	85.6	1.9	0.6	2.2	7.1	2.5
Lafayette	207	96.6	-	1.4	1.9	-	-
Langlade	204	94.1	2.0	2.5	1.5	-	-
Lincoln	283	98.6	-	-	0.7	-	0.7
Manitowoc	805	88.3	0.7	0.6	5.8	3.4	1.1
Marathon	1,656	83.0	0.8	0.9	3.3	8.7	3.1
Marinette	389	95.1	0.3	0.8	2.1	-	1.5
Marquette	160	90.6	-	-	7.5	-	1.9
Menominee	108	6.5	0.9	89.8	2.8	-	-
Milwaukee	14,310	39.9	35.3	1.1	18.4	2.3	2.9
Monroe	627	90.3	1.9	1.6	5.7	-	0.5

(Continued)

Table 2-11. Percent of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2010

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latina	Laotian or Hmong	Other Asian
Oconto	368	94.8	-	3.3	1.6	-	0.3
Oneida	307	94.5	0.7	2.3	1.3	0.3	1.0
Outagamie	2,268	85.5	1.2	1.7	4.9	3.6	3.1
Ozaukee	774	90.4	1.6	0.9	3.9	0.4	2.8
Pepin	65	100.0	-	-	-	-	-
Pierce	425	94.4	0.7	1.2	2.4	-	1.4
Polk	457	96.1	0.2	1.5	1.3	-	0.9
Portage	749	86.8	0.7	0.7	4.8	5.7	1.3
Price	115	98.3	-	-	-	-	1.7
Racine	2,484	65.9	14.2	0.4	17.9	0.1	1.3
Richland	194	95.9	0.5	-	3.1	-	0.5
Rock	1,991	78.3	8.2	0.6	11.2	0.1	1.5
Rusk	138	96.4	-	0.7	2.2	-	0.7
St. Croix	1,119	94.8	0.8	0.4	2.3	0.5	1.1
Sauk	783	89.0	0.6	2.9	6.3	-	1.1
Sawyer	167	56.9	1.2	39.5	2.4	-	-
Shawano	447	83.4	0.2	13.2	2.9	-	0.2
Sheboygan	1,325	79.0	0.8	0.5	9.3	7.5	2.9
Taylor	238	97.1	-	-	2.1	-	0.8
Trempealeau	377	87.3	-	-	12.7	-	-
Vernon	399	95.7	0.3	0.3	2.3	0.3	1.3
Vilas	191	66.0	0.5	29.8	3.1	-	0.5
Walworth	1,077	78.7	1.3	0.2	18.8	0.2	0.7
Washburn	152	93.4	0.7	2.0	2.6	-	1.3
Washington	1,371	91.0	1.5	0.9	5.2	0.1	1.2
Waukesha	3,886	86.1	1.4	0.3	6.8	0.3	5.0
Waupaca	503	92.4	0.4	0.4	5.8	-	1.0
Waushara	232	81.0	-	0.4	17.2	0.9	0.4
Winnebago	1,872	87.0	1.4	0.9	4.9	3.4	2.4
Wood	839	91.8	0.8	1.2	3.1	0.8	2.1

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 48 births for which race/ethnicity of mother was not reported. A dash (-) indicates there were no births in that category.

Table 2-12. Number of Births by Race/Ethnicity of Mother and Region, Wisconsin 2010

	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latina	Laotian or Hmong	Other Asian
Total	68,367	50,893	6,845	1,129	6,560	1,264	1,628
DHS Regions							
Southern	12,901	10,560	722	107	998	106	402
Southeastern	26,880	15,685	5,735	222	4,118	347	742
Northeastern	14,193	11,831	256	414	998	411	280
Western	9,168	8,333	98	123	293	205	113
Northern	5,225	4,484	34	263	153	195	91
Perinatal Regions							
South Central	14,345	11,665	739	114	1,302	108	410
Southeast	26,205	15,091	5,727	220	3,927	444	766
Fox Valley	6,917	6,046	75	64	407	179	145
Northeast	5,951	4,738	171	344	468	132	96
Western	8,209	7,469	86	86	251	205	109
North Central	5,466	4,830	33	140	170	195	93
Northwest	1,274	1,054	14	161	35	1	9

Table 2-13. Percent of Births by Race/Ethnicity of Mother and Region, Wisconsin 2010

	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latina	Laotian or Hmong	Other Asian
Total	68,367	74.4%	10.0%	1.7%	9.6%	1.8%	2.4%
DHS Regions							
Southern	12,901	81.9	5.6	0.8	7.7	0.8	3.1
Southeastern	26,880	58.4	21.3	0.8	15.3	1.3	2.8
Northeastern	14,193	83.4	1.8	2.9	7.0	2.9	2.0
Western	9,168	90.9	1.1	1.3	3.2	2.2	1.2
Northern	5,225	85.8	0.7	5.0	2.9	3.7	1.7
Perinatal Regions							
South Central	14,345	81.3	5.2	0.8	9.1	0.8	2.9
Southeast	26,205	57.6	21.9	0.8	15.0	1.7	2.9
Fox Valley	6,917	87.4	1.1	0.9	5.9	2.6	2.1
Northeast	5,951	79.6	2.9	5.8	7.9	2.2	1.6
Western	8,209	91.0	1.0	1.0	3.1	2.5	1.3
North Central	5,466	88.4	0.6	2.6	3.1	3.6	1.7
Northwest	1,274	82.7	1.1	12.6	2.7	0.1	0.7

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 48 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 2010

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	68,367	2,600	6,321	18,138	18,378	15,082	7,325
Adams	135	2	13	64	32	18	5
Ashland	177	-	17	61	65	26	8
Barron	546	20	56	152	200	91	25
Bayfield	113	-	8	21	47	34	3
Brown	3,414	137	369	891	916	736	357
Buffalo	125	6	7	30	46	27	9
Burnett	138	1	21	44	42	22	7
Calumet	605	9	27	128	170	172	98
Chippewa	748	31	32	245	247	145	48
Clark	600	255	36	124	107	71	7
Columbia	600	31	30	178	185	144	32
Crawford	157	6	5	50	50	32	14
Dane	6,051	141	358	1,060	1,264	1,964	1,252
Dodge	872	11	51	316	264	174	51
Door	215	-	15	58	61	57	24
Douglas	487	-	36	132	162	73	71
Dunn	468	8	23	151	141	83	62
Eau Claire	1,114	56	63	269	343	261	121
Florence	29	-	3	6	14	4	2
Fond du Lac	1,066	15	92	324	308	251	65
Forest	117	-	23	37	37	15	5
Grant	545	42	21	118	210	112	40
Green	414	3	25	117	156	80	32
Green Lake	211	36	23	58	58	23	13
Iowa	290	2	9	71	103	77	26
Iron	40	-	4	5	21	9	1
Jackson	237	34	23	81	61	26	12
Jefferson	923	33	67	249	256	209	106
Juneau	263	3	37	85	89	40	7
Kenosha	2,055	56	253	598	601	358	169
Kewaunee	205	5	14	56	76	37	16
La Crosse	1,345	26	58	310	418	340	189
Lafayette	207	22	7	44	64	59	11
Langlade	204	2	30	70	68	23	8
Lincoln	283	2	19	95	96	46	21
Manitowoc	805	14	74	240	251	152	70
Marathon	1,656	67	97	418	572	331	130
Marinette	389	5	30	145	134	47	27
Marquette	160	16	11	59	46	20	7
Menominee	108	-	17	62	26	3	-
Milwaukee	14,310	775	2,275	4,160	3,076	2,565	1,230
Monroe	627	84	72	192	157	84	34

(Continued)

Table 2-14. Number of Births by Education of Mother and County of Residence, Wisconsin 2010

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Oconto	368	6	32	126	118	65	21
Oneida	307	-	23	93	102	47	42
Outagamie	2,268	29	144	582	659	503	349
Ozaukee	774	-	17	99	186	296	173
Pepin	65	7	2	11	23	14	8
Pierce	425	1	14	118	117	105	67
Polk	457	-	29	134	170	79	43
Portage	749	4	45	195	211	181	102
Price	115	-	6	46	39	13	10
Racine	2,484	56	386	668	695	440	217
Richland	194	19	13	68	53	26	14
Rock	1,991	62	245	638	544	301	163
Rusk	138	9	17	67	23	15	6
St. Croix	1,119	6	40	192	312	355	210
Sauk	783	33	69	231	248	155	46
Sawyer	167	3	26	52	57	22	5
Shawano	447	24	29	148	149	72	23
Sheboygan	1,325	39	99	378	434	255	113
Taylor	238	28	12	69	80	39	10
Trempealeau	377	40	27	97	113	75	24
Vernon	399	130	24	83	87	44	28
Vilas	191	-	22	76	54	22	17
Walworth	1,077	26	115	352	352	157	67
Washburn	152	-	9	64	40	29	10
Washington	1,371	7	55	284	427	424	172
Waukesha	3,886	36	105	619	839	1,654	615
Waupaca	503	19	41	186	137	72	47
Waushara	232	28	36	80	59	22	7
Winnebago	1,872	19	139	548	524	401	232
Wood	839	13	49	260	286	158	69

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

Table 2-15. Percent of Births by Education of Mother and County of Residence, Wisconsin 2010

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	68,367	3.8%	9.2%	26.5%	26.9%	22.1%	10.7%
Adams	135	1.5	9.6	47.4	23.7	13.3	3.7
Ashland	177	-	9.6	34.5	36.7	14.7	4.5
Barron	546	3.7	10.3	27.8	36.6	16.7	4.6
Bayfield	113	-	7.1	18.6	41.6	30.1	2.7
Brown	3,414	4.0	10.8	26.1	26.8	21.6	10.5
Buffalo	125	4.8	5.6	24.0	36.8	21.6	7.2
Burnett	138	0.7	15.2	31.9	30.4	15.9	5.1
Calumet	605	1.5	4.5	21.2	28.1	28.4	16.2
Chippewa	748	4.1	4.3	32.8	33.0	19.4	6.4
Clark	600	42.5	6.0	20.7	17.8	11.8	1.2
Columbia	600	5.2	5.0	29.7	30.8	24.0	5.3
Crawford	157	3.8	3.2	31.8	31.8	20.4	8.9
Dane	6,051	2.3	5.9	17.5	20.9	32.5	20.7
Dodge	872	1.3	5.8	36.2	30.3	20.0	5.8
Door	215	-	7.0	27.0	28.4	26.5	11.2
Douglas	487	-	7.4	27.1	33.3	15.0	14.6
Dunn	468	1.7	4.9	32.3	30.1	17.7	13.2
Eau Claire	1,114	5.0	5.7	24.1	30.8	23.4	10.9
Florence	29	-	10.3	20.7	48.3	13.8	6.9
Fond du Lac	1,066	1.4	8.6	30.4	28.9	23.5	6.1
Forest	117	-	19.7	31.6	31.6	12.8	4.3
Grant	545	7.7	3.9	21.7	38.5	20.6	7.3
Green	414	0.7	6.0	28.3	37.7	19.3	7.7
Green Lake	211	17.1	10.9	27.5	27.5	10.9	6.2
Iowa	290	0.7	3.1	24.5	35.5	26.6	9.0
Iron	40	-	10.0	12.5	52.5	22.5	2.5
Jackson	237	14.3	9.7	34.2	25.7	11.0	5.1
Jefferson	923	3.6	7.3	27.0	27.7	22.6	11.5
Juneau	263	1.1	14.1	32.3	33.8	15.2	2.7
Kenosha	2,055	2.7	12.3	29.1	29.2	17.4	8.2
Kewaunee	205	2.4	6.8	27.3	37.1	18.0	7.8
La Crosse	1,345	1.9	4.3	23.0	31.1	25.3	14.1
Lafayette	207	10.6	3.4	21.3	30.9	28.5	5.3
Langlade	204	1.0	14.7	34.3	33.3	11.3	3.9
Lincoln	283	0.7	6.7	33.6	33.9	16.3	7.4
Manitowoc	805	1.7	9.2	29.8	31.2	18.9	8.7
Marathon	1,656	4.0	5.9	25.2	34.5	20.0	7.9
Marinette	389	1.3	7.7	37.3	34.4	12.1	6.9
Marquette	160	10.0	6.9	36.9	28.8	12.5	4.4
Menominee	108	-	15.7	57.4	24.1	2.8	-
Milwaukee	14,310	5.4	15.9	29.1	21.5	17.9	8.6
Monroe	627	13.4	11.5	30.6	25.0	13.4	5.4

(Continued)

Table 2-15. Percent of Births by Education of Mother and County of Residence, Wisconsin 2010

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Oconto	368	1.6	8.7	34.2	32.1	17.7	5.7
Oneida	307	-	7.5	30.3	33.2	15.3	13.7
Outagamie	2,268	1.3	6.3	25.7	29.1	22.2	15.4
Ozaukee	774	-	2.2	12.8	24.0	38.2	22.4
Pepin	65	10.8	3.1	16.9	35.4	21.5	12.3
Pierce	425	0.2	3.3	27.8	27.5	24.7	15.8
Polk	457	-	6.3	29.3	37.2	17.3	9.4
Portage	749	0.5	6.0	26.0	28.2	24.2	13.6
Price	115	-	5.2	40.0	33.9	11.3	8.7
Racine	2,484	2.3	15.5	26.9	28.0	17.7	8.7
Richland	194	9.8	6.7	35.1	27.3	13.4	7.2
Rock	1,991	3.1	12.3	32.0	27.3	15.1	8.2
Rusk	138	6.5	12.3	48.6	16.7	10.9	4.3
St. Croix	1,119	0.5	3.6	17.2	27.9	31.7	18.8
Sauk	783	4.2	8.8	29.5	31.7	19.8	5.9
Sawyer	167	1.8	15.6	31.1	34.1	13.2	3.0
Shawano	447	5.4	6.5	33.1	33.3	16.1	5.1
Sheboygan	1,325	2.9	7.5	28.5	32.8	19.2	8.5
Taylor	238	11.8	5.0	29.0	33.6	16.4	4.2
Trempealeau	377	10.6	7.2	25.7	30.0	19.9	6.4
Vernon	399	32.6	6.0	20.8	21.8	11.0	7.0
Vilas	191	-	11.5	39.8	28.3	11.5	8.9
Walworth	1,077	2.4	10.7	32.7	32.7	14.6	6.2
Washburn	152	-	5.9	42.1	26.3	19.1	6.6
Washington	1,371	0.5	4.0	20.7	31.1	30.9	12.5
Waukesha	3,886	0.9	2.7	15.9	21.6	42.6	15.8
Waupaca	503	3.8	8.2	37.0	27.2	14.3	9.3
Waushara	232	12.1	15.5	34.5	25.4	9.5	3.0
Winnebago	1,872	1.0	7.4	29.3	28.0	21.4	12.4
Wood	839	1.5	5.8	31.0	34.1	18.8	8.2

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

Table 2-16. Number of Births by Education of Mother and Region, Wisconsin 2010

	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	68,367	2,600	6,321	18,138	18,378	15,082	7,325
DHS Regions							
Southern	12,901	507	907	3,123	3,349	3,226	1,721
Southeastern	26,880	989	3,273	7,029	6,432	6,103	2,749
Northeastern	14,193	401	1,192	4,069	4,126	2,888	1,469
Western	9,168	584	565	2,413	2,722	1,895	953
Northern	5,225	119	384	1,504	1,749	970	433
Perinatal Regions							
South Central	14,345	430	1,060	3,591	3,820	3,516	1,852
Southeast	26,205	969	3,190	6,806	6,258	5,992	2,689
Fox Valley	6,917	171	513	1,965	1,961	1,464	818
Northeast	5,951	191	580	1,726	1,731	1,169	538
Western	8,209	455	475	2,115	2,485	1,761	894
North Central	5,466	380	382	1,556	1,689	965	429
Northwest	1,274	4	121	379	434	215	105

Table 2-17. Percent of Births by Education of Mother and Region, Wisconsin 2010

	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	68,367	3.8%	9.2%	26.5%	26.9%	22.1%	10.7%
DHS Regions							
Southern	12,901	3.9	7.0	24.2	26.0	25.0	13.3
Southeastern	26,880	3.7	12.2	26.1	23.9	22.7	10.2
Northeastern	14,193	2.8	8.4	28.7	29.1	20.3	10.4
Western	9,168	6.4	6.2	26.3	29.7	20.7	10.4
Northern	5,225	2.3	7.3	28.8	33.5	18.6	8.3
Perinatal Regions							
South Central	14,345	3.0	7.4	25.0	26.6	24.5	12.9
Southeast	26,205	3.7	12.2	26.0	23.9	22.9	10.3
Fox Valley	6,917	2.5	7.4	28.4	28.4	21.2	11.8
Northeast	5,951	3.2	9.7	29.0	29.1	19.6	9.0
Western	8,209	5.5	5.8	25.8	30.3	21.5	10.9
North Central	5,466	7.0	7.0	28.5	30.9	17.7	7.8
Northwest	1,274	0.3	9.5	29.7	34.1	16.9	8.2
Northwest	1,274	3.9	7.0	24.2	26.0	25.0	13.3

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 523 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 2010

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	25,228	57	1,281	3,308	9,738	6,324	2,981	1,256	283
Adams	61	-	n/s	15	21	16	4	4	-
Ashland	79	-	n/s	12	37	16	5	6	1
Barron	203	-	9	23	88	54	21	7	1
Bayfield	37	-	n/s	n/s	14	8	1	6	1
Brown	1,234	n/s	64	169	439	323	159	65	11
Buffalo	42	-	-	5	19	12	3	2	n/s
Burnett	74	-	5	10	22	23	8	5	n/s
Calumet	117	-	5	11	52	29	14	5	1
Chippewa	214	-	5	26	99	47	21	14	2
Clark	102	-	n/s	11	47	27	9	4	1
Columbia	189	-	7	28	63	52	29	6	4
Crawford	50	n/s	n/s	n/s	20	18	5	3	-
Dane	1,652	6	77	161	586	435	251	115	21
Dodge	277	-	5	43	121	70	25	12	1
Door	62	-	n/s	8	22	18	6	4	1
Douglas	197	-	5	26	89	48	24	5	-
Dunn	141	-	6	14	63	35	15	8	-
Eau Claire	360	-	10	37	139	108	43	20	3
Florence	11	-	n/s	-	3	5	1	n/s	-
Fond du Lac	339	n/s	12	49	146	86	33	10	2
Forest	72	-	6	14	24	17	9	1	n/s
Grant	176	-	5	24	80	38	18	9	2
Green	141	-	n/s	20	62	39	15	1	3
Green Lake	63	-	n/s	17	19	13	9	2	1
Iowa	89	-	n/s	13	33	19	13	7	1
Iron	14	-	n/s	n/s	5	5	1	1	-
Jackson	92	-	7	7	41	21	11	4	1
Jefferson	297	n/s	8	24	138	69	40	14	3
Juneau	108	-	7	21	33	23	16	8	-
Kenosha	924	-	56	131	341	235	108	42	11
Kewaunee	55	n/s	n/s	9	17	18	6	-	n/s
La Crosse	406	n/s	10	38	170	123	41	16	7
Lafayette	56	-	n/s	6	18	22	3	3	1
Langlade	84	-	7	12	39	15	7	4	-
Lincoln	108	-	n/s	17	54	20	5	8	1
Manitowoc	260	-	18	47	114	48	20	11	2
Marathon	489	n/s	20	64	207	124	48	18	7
Marinette	154	n/s	6	22	65	39	13	5	3
Marquette	50	-	n/s	8	15	17	3	5	1
Menominee	90	-	10	17	41	11	10	n/s	-
Milwaukee	7,934	26	506	1,051	2,929	1,970	963	393	96
Monroe	206	n/s	12	33	76	45	23	11	5

(Continued)

Table 2-18. Number of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2010

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Oconto	126	-	3	23	50	29	16	5	-
Oneida	105	-	5	9	48	20	13	7	3
Outagamie	627	-	27	88	244	151	73	37	7
Ozaukee	115	-	n/s	9	49	29	13	8	3
Pepin	13	-	n/s	n/s	6	2	-	1	n/s
Pierce	124	-	6	9	53	35	17	4	-
Polk	158	-	8	20	74	33	15	7	1
Portage	218	-	10	22	94	54	27	9	2
Price	32	-	n/s	n/s	15	6	6	3	-
Racine	1,179	n/s	69	153	473	278	132	53	19
Richland	59	n/s	n/s	8	22	13	8	6	-
Rock	915	n/s	54	148	359	225	84	30	11
Rusk	61	-	n/s	8	28	13	7	-	n/s
St. Croix	242	n/s	13	25	73	64	50	14	2
Sauk	260	n/s	7	29	108	70	33	11	1
Sawyer	86	-	8	13	35	15	13	1	n/s
Shawano	176	n/s	n/s	27	61	47	24	10	2
Sheboygan	437	n/s	27	72	163	100	49	21	4
Taylor	64	-	n/s	7	24	20	8	4	-
Trempealeau	126	-	n/s	18	56	31	14	4	1
Vernon	66	-	n/s	11	26	17	9	1	1
Vilas	94	-	n/s	17	35	29	8	2	-
Walworth	381	-	12	53	147	98	44	22	5
Washburn	44	-	n/s	6	16	12	6	1	n/s
Washington	305	-	15	30	108	84	39	27	2
Waukesha	710	-	24	76	252	197	100	52	9
Waupaca	179	n/s	8	34	66	41	19	9	1
Waushara	75	-	6	13	31	17	4	3	1
Winnebago	647	n/s	24	79	280	164	67	31	1
Wood	295	-	14	48	131	69	24	7	2

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

Notes: A dash (-) indicates 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 2010

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	25,228	0.2%	5.1%	13.1%	38.6%	25.1%	11.8%	5.0%	1.1%
Adams	61	-	n/s	24.6	34.4	26.2	6.6	6.6	-
Ashland	79	-	n/s	15.2	46.8	20.3	6.3	7.6	1.3
Barron	203	-	4.4	11.3	43.3	26.6	10.3	3.4	0.5
Bayfield	37	-	n/s	n/s	37.8	21.6	2.7	16.2	2.7
Brown	1,234	n/s	5.2	13.7	35.6	26.2	12.9	5.3	0.9
Buffalo	42	-	-	11.9	45.2	28.6	7.1	4.8	n/s
Burnett	74	-	6.8	13.5	29.7	31.1	10.8	6.8	n/s
Calumet	117	-	4.3	9.4	44.4	24.8	12.0	4.3	0.9
Chippewa	214	-	2.3	12.1	46.3	22.0	9.8	6.5	0.9
Clark	102	-	n/s	10.8	46.1	26.5	8.8	3.9	1.0
Columbia	189	-	3.7	14.8	33.3	27.5	15.3	3.2	2.1
Crawford	50	n/s	n/s	n/s	40.0	36.0	10.0	6.0	-
Dane	1,652	0.4	4.7	9.7	35.5	26.3	15.2	7.0	1.3
Dodge	277	-	1.8	15.5	43.7	25.3	9.0	4.3	0.4
Door	62	-	n/s	12.9	35.5	29.0	9.7	6.5	1.6
Douglas	197	-	2.5	13.2	45.2	24.4	12.2	2.5	-
Dunn	141	-	4.3	9.9	44.7	24.8	10.6	5.7	-
Eau Claire	360	-	2.8	10.3	38.6	30.0	11.9	5.6	0.8
Florence	11	-	n/s	-	27.3	45.5	9.1	n/s	-
Fond du Lac	339	n/s	3.5	14.5	43.1	25.4	9.7	2.9	0.6
Forest	72	-	8.3	19.4	33.3	23.6	12.5	1.4	n/s
Grant	176	-	2.8	13.6	45.5	21.6	10.2	5.1	1.1
Green	141	-	n/s	14.2	44.0	27.7	10.6	0.7	2.1
Green Lake	63	-	n/s	27.0	30.2	20.6	14.3	3.2	1.6
Iowa	89	-	n/s	14.6	37.1	21.3	14.6	7.9	1.1
Iron	14	-	n/s	n/s	35.7	35.7	7.1	7.1	-
Jackson	92	-	7.6	7.6	44.6	22.8	12.0	4.3	1.1
Jefferson	297	n/s	2.7	8.1	46.5	23.2	13.5	4.7	1.0
Juneau	108	-	6.5	19.4	30.6	21.3	14.8	7.4	-
Kenosha	924	-	6.1	14.2	36.9	25.4	11.7	4.5	1.2
Kewaunee	55	n/s	n/s	16.4	30.9	32.7	10.9	-	n/s
La Crosse	406	n/s	2.5	9.4	41.9	30.3	10.1	3.9	1.7
Lafayette	56	-	n/s	10.7	32.1	39.3	5.4	5.4	1.8
Langlade	84	-	8.3	14.3	46.4	17.9	8.3	4.8	-
Lincoln	108	-	n/s	15.7	50.0	18.5	4.6	7.4	0.9
Manitowoc	260	-	6.9	18.1	43.8	18.5	7.7	4.2	0.8
Marathon	489	n/s	4.1	13.1	42.3	25.4	9.8	3.7	1.4
Marinette	154	0.6	n/s	14.3	42.2	25.3	8.4	3.2	1.9
Marquette	50	-	2.0	16.0	30.0	34.0	6.0	10.0	2.0
Menominee	90	-	11.1	18.9	45.6	12.2	11.1	n/s	-
Milwaukee	7,934	0.3	6.4	13.2	36.9	24.8	12.1	5.0	1.2
Monroe	206	n/s	5.8	16.0	36.9	21.8	11.2	5.3	2.4

(Continued)

Table 2-19. Percent of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2010

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Oconto	126	-	2.4	18.3	39.7	23.0	12.7	4.0	-
Oneida	105	-	4.8	8.6	45.7	19.0	12.4	6.7	2.9
Outagamie	627	-	4.3	14.0	38.9	24.1	11.6	5.9	1.1
Ozaukee	115	-	n/s	7.8	42.6	25.2	11.3	7.0	2.6
Pepin	13	-	n/s	n/s	46.2	15.4	-	7.7	n/s
Pierce	124	-	4.8	7.3	42.7	28.2	13.7	3.2	-
Polk	158	-	5.1	12.7	46.8	20.9	9.5	4.4	0.6
Portage	218	-	4.6	10.1	43.1	24.8	12.4	4.1	0.9
Price	32	-	n/s	n/s	46.9	18.8	18.8	9.4	-
Racine	1,179	n/s	5.9	13.0	40.1	23.6	11.2	4.5	1.6
Richland	59	n/s	n/s	13.6	37.3	22.0	13.6	10.2	-
Rock	915	n/s	5.9	16.2	39.2	24.6	9.2	3.3	1.2
Rusk	61	-	n/s	13.1	45.9	21.3	11.5	-	n/s
St. Croix	242	n/s	5.4	10.3	30.2	26.4	20.7	5.8	0.8
Sauk	260	n/s	2.7	11.2	41.5	26.9	12.7	4.2	0.4
Sawyer	86	-	9.3	15.1	40.7	17.4	15.1	1.2	n/s
Shawano	176	n/s	n/s	15.3	34.7	26.7	13.6	5.7	1.1
Sheboygan	437	n/s	6.2	16.5	37.3	22.9	11.2	4.8	0.9
Taylor	64	-	n/s	10.9	37.5	31.3	12.5	6.3	-
Trempealeau	126	-	n/s	14.3	44.4	24.6	11.1	3.2	0.8
Vernon	66	-	n/s	16.7	39.4	25.8	13.6	1.5	1.5
Vilas	94	-	n/s	18.1	37.2	30.9	8.5	2.1	-
Walworth	381	-	3.1	13.9	38.6	25.7	11.5	5.8	1.3
Washburn	44	-	n/s	13.6	36.4	27.3	13.6	2.3	n/s
Washington	305	-	4.9	9.8	35.4	27.5	12.8	8.9	0.7
Waukesha	710	-	3.4	10.7	35.5	27.7	14.1	7.3	1.3
Waupaca	179	n/s	4.5	19.0	36.9	22.9	10.6	5.0	0.6
Waushara	75	-	8.0	17.3	41.3	22.7	5.3	4.0	1.3
Winnebago	647	n/s	3.7	12.2	43.3	25.3	10.4	4.8	0.2
Wood	295	-	4.7	16.3	44.4	23.4	8.1	2.4	0.7

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

Notes: A dash (-) indicates 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 2010

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	25,228	57	1,281	3,308	9,738	6,324	2,981	1,256	283
DHS Regions									
Southern	4,099	13	173	529	1,552	1,057	513	216	46
Southeastern	11,845	29	694	1,527	4,437	2,960	1,439	611	148
Northeastern	4,691	11	222	693	1,825	1,151	525	224	40
Western	2,805	n/s	107	318	1,159	733	328	127	30
Northern	1,788	n/s	85	241	765	423	176	78	19
Perinatal Regions									
South Central	4,661	13	191	593	1,791	1,189	583	248	53
Southeast	11,604	29	701	1,522	4,315	2,893	1,404	596	144
Fox Valley	2,097	n/s	85	299	853	518	222	102	15
Northeast	2,157	7	110	322	809	533	254	101	21
Western	2,443	n/s	91	270	1,003	645	288	116	26
North Central	1,735	n/s	77	230	749	419	172	68	19
Northwest	531	-	26	72	218	127	58	25	5

Table 2-21. Percent of Births to Unmarried Mothers by Age and Region, Wisconsin 2010

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	25,228	0.2%	5.1%	13.1%	38.6%	25.1%	11.8%	5.0%	1.1%
DHS Regions									
Southern	4,099	0.3	4.2	12.9	37.9	25.8	12.5	5.3	1.1
Southeastern	11,845	0.2	5.9	12.9	37.5	25.0	12.1	5.2	1.2
Northeastern	4,691	0.2	4.7	14.8	38.9	24.5	11.2	4.8	0.9
Western	2,805	n/s	3.8	11.3	41.3	26.1	11.7	4.5	1.1
Northern	1,788	n/s	4.8	13.5	42.8	23.7	9.8	4.4	1.1
Perinatal Regions									
South Central	4,661	0.3	4.1	12.7	38.4	25.5	12.5	5.3	1.1
Southeast	11,604	0.2	6.0	13.1	37.2	24.9	12.1	5.1	1.2
Fox Valley	2,097	n/s	4.1	14.3	40.7	24.7	10.6	4.9	0.7
Northeast	2,157	0.3	5.1	14.9	37.5	24.7	11.8	4.7	1.0
Western	2,443	n/s	3.7	11.1	41.1	26.4	11.8	4.7	1.1
North Central	1,735	n/s	4.4	13.3	43.2	24.1	9.9	3.9	1.1
Northwest	531	-	4.9	13.6	41.1	23.9	10.9	4.7	0.9

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 2010

County	Total	Trimester Prenatal Care Began				No Care	Percent That Received First-Trimester Care		
		First	Second	Third	2010		2009	2008	
Total	68,367	57,595	7,959	1,512	438	84.2%	83.4%	82.2%	
Adams	135	104	28	3	-	77.0	80.8	72.7	
Ashland	177	137	35	-	1	77.4	79.7	78.3	
Barron	546	431	107	6	-	78.9	84.2	80.4	
Bayfield	113	98	12	2	1	86.7	84.2	88.9	
Brown	3,414	2,901	420	61	13	85.0	83.2	82.6	
Buffalo	125	116	8	1	-	92.8	83.8	81.9	
Burnett	138	106	28	2	1	76.8	82.6	80.4	
Calumet	605	545	45	9	2	90.1	90.1	89.7	
Chippewa	748	651	80	8	1	87.0	87.2	86.1	
Clark	600	364	169	54	6	60.7	57.3	54.9	
Columbia	600	518	57	15	1	86.3	82.8	83.3	
Crawford	157	127	19	7	1	80.9	80.5	76.0	
Dane	6,051	5,490	399	54	14	90.7	88.7	87.9	
Dodge	872	733	103	16	2	84.1	81.6	82.3	
Door	215	188	15	-	2	87.4	82.7	85.4	
Douglas	487	430	35	10	3	88.3	78.7	88.7	
Dunn	468	362	92	10	3	77.4	81.8	76.7	
Eau Claire	1,114	943	142	19	5	84.6	82.7	82.1	
Florence	29	24	2	3	-	82.8	81.1	91.9	
Fond du Lac	1,066	913	97	21	6	85.6	85.2	81.9	
Forest	117	96	19	2	-	82.1	83.0	83.7	
Grant	545	409	107	19	3	75.0	74.6	75.9	
Green	414	363	42	6	1	87.7	84.4	89.0	
Green Lake	211	156	36	18	-	73.9	68.6	71.6	
Iowa	290	254	30	6	-	87.6	87.9	88.3	
Iron	40	33	5	-	1	82.5	77.8	84.6	
Jackson	237	165	45	16	3	69.6	71.4	74.8	
Jefferson	923	783	106	23	4	84.8	83.1	85.0	
Juneau	263	214	36	7	1	81.4	82.7	82.2	
Kenosha	2,055	1,623	289	58	20	79.0	79.8	80.4	
Kewaunee	205	192	13	-	-	93.7	89.9	87.7	
La Crosse	1,345	1,195	121	14	2	88.8	84.8	84.8	
Lafayette	207	154	32	14	1	74.4	74.3	72.4	
Langlade	204	176	25	3	-	86.3	86.1	84.9	
Lincoln	283	243	33	2	3	85.9	86.3	81.1	
Manitowoc	805	717	69	14	1	89.1	89.9	87.9	
Marathon	1,656	1,406	211	25	4	84.9	78.2	76.6	
Marinette	389	330	41	13	1	84.8	82.3	79.0	
Marquette	160	122	33	3	-	76.3	74.0	80.9	
Menominee	108	67	17	4	1	62.0	72.6	73.8	
Milwaukee	14,310	11,470	2,077	389	215	80.2	80.4	77.5	
Monroe	627	461	81	56	7	73.5	69.8	73.7	

(Continued)

Table 2-22. Births by Trimester Prenatal Care Began and County of Residence, Wisconsin 2010

County	Total	Trimester Prenatal Care Began			No Care	Percent That Received First-Trimester Care		
		First	Second	Third		2010	2009	2008
Oconto	368	305	55	4	1	82.9	80.2	85.5
Oneida	307	274	24	6	-	89.3	91.1	92.2
Outagamie	2,268	2,022	203	27	3	89.2	88.4	87.2
Ozaukee	774	713	50	4	1	92.1	90.8	91.2
Pepin	65	49	12	4	-	75.4	84.6	81.7
Pierce	425	362	49	6	1	85.2	88.2	86.7
Polk	457	386	65	4	-	84.5	84.6	81.5
Portage	749	659	78	10	1	88.0	84.9	86.2
Price	115	105	6	3	-	91.3	87.7	82.4
Racine	2,484	1,983	359	95	23	79.8	79.9	77.7
Richland	194	154	26	9	-	79.4	80.0	76.8
Rock	1,991	1,678	204	43	7	84.3	81.3	83.6
Rusk	138	107	27	2	-	77.5	82.2	77.5
St. Croix	1,119	971	103	23	1	86.8	86.7	89.3
Sauk	783	655	99	24	2	83.7	84.9	83.8
Sawyer	167	131	24	6	4	78.4	75.9	67.5
Shawano	447	361	49	9	1	80.8	81.3	82.0
Sheboygan	1,325	1,190	101	9	5	89.8	87.1	85.7
Taylor	238	190	37	8	1	79.8	79.1	81.9
Trempealeau	377	297	57	19	-	78.8	71.0	72.6
Vernon	399	237	85	58	7	59.4	62.6	61.9
Vilas	191	154	23	9	3	80.6	82.1	80.0
Walworth	1,077	886	151	27	5	82.3	83.2	78.9
Washburn	152	117	31	2	1	77.0	79.0	77.4
Washington	1,371	1,249	89	18	7	91.1	91.5	88.8
Waukesha	3,886	3,598	210	31	15	92.6	92.9	91.7
Waupaca	503	432	50	4	6	85.9	82.4	85.1
Waushara	232	178	46	5	1	76.7	78.2	70.7
Winnebago	1,872	1,643	182	24	5	87.8	88.5	86.4
Wood	839	699	103	26	7	83.3	82.5	80.3

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

Notes: Included in the totals are 863 births for which prenatal care initiation was not reported. A dash (-) indicates there were no births in that category.

Table 2-23. Births by Trimester Prenatal Care Began and Region, Wisconsin 2010

	Trimester Prenatal Care Began					Percent That Received First-Trimester Care		
	Total	First	Second	Third	No Care	2010	2009	2008
Total	68,367	57,595	7,959	1,512	438	84.2%	83.4%	82.2%
DHS Regions								
Southern	12,901	11,090	1,267	281	40	86.0	84.3	84.1
Southeastern	26,880	22,305	3,331	645	290	83.0	83.1	81.0
Northeastern	14,193	12,262	1,472	225	48	86.4	85.3	84.5
Western	9,168	7,513	1,252	256	34	81.9	80.8	80.7
Northern	5,225	4,425	637	105	26	84.7	82.0	80.8
Perinatal Regions								
South Central	14,345	12,395	1,420	266	41	86.4	84.8	84.5
Southeast	26,205	21,826	3,175	604	286	83.3	83.3	81.2
Fox Valley	6,917	6,011	692	111	23	86.9	86.3	85.1
Northeast	5,951	5,061	679	105	20	85.0	83.8	83.4
Western	8,209	6,753	1,066	251	31	82.3	81.5	81.1
North Central	5,466	4,497	757	153	25	82.3	79.7	78.4
Northwest	1,274	1,052	170	22	12	82.6	79.4	81.7

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

Notes: Included in the totals are 863 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 2010

County	Total	Number of Prenatal Care Visits					Percent of Births With <10 Visits
		No Visits	1-4	5-9	10-12	13+	
Total	68,367	437	1,646	10,819	27,795	26,423	18.9%
Adams	135	-	4	31	65	34	25.9
Ashland	177	1	7	43	61	60	28.8
Barron	546	-	11	132	315	85	26.2
Bayfield	113	1	2	18	47	44	18.6
Brown	3,414	13	67	527	1,556	1,222	17.8
Buffalo	125	-	2	24	49	50	20.8
Burnett	138	1	3	39	49	45	31.2
Calumet	605	2	8	70	256	259	13.2
Chippewa	748	1	24	263	265	168	38.5
Clark	600	6	89	221	144	132	52.7
Columbia	600	1	10	92	277	195	17.2
Crawford	157	1	10	29	50	62	25.5
Dane	6,051	14	57	745	2,699	2,366	13.5
Dodge	872	2	4	130	373	330	15.6
Door	215	2	1	26	88	86	13.5
Douglas	487	3	8	68	188	207	16.2
Dunn	468	3	14	90	198	161	22.9
Eau Claire	1,114	5	34	199	493	368	21.4
Florence	29	-	1	5	12	11	20.7
Fond du Lac	1,066	6	26	425	381	209	42.9
Forest	117	-	6	13	48	50	16.2
Grant	545	3	36	136	227	136	32.1
Green	414	1	3	59	151	195	15.2
Green Lake	211	-	9	57	81	62	31.3
Iowa	290	-	6	68	146	68	25.5
Iron	40	1	1	5	9	24	17.5
Jackson	237	3	27	54	79	65	35.4
Jefferson	923	4	11	110	419	363	13.5
Juneau	263	1	9	64	117	69	28.1
Kenosha	2,055	18	34	285	966	645	16.4
Kewaunee	205	-	4	29	96	74	16.1
La Crosse	1,345	2	12	215	479	629	17.0
Lafayette	207	1	15	42	67	79	28.0
Langlade	204	-	4	38	113	49	20.6
Lincoln	283	3	2	35	118	123	14.1
Manitowoc	805	1	12	81	321	383	11.7
Marathon	1,656	4	26	270	827	524	18.1
Marinette	389	1	6	55	165	160	15.9
Marquette	160	-	3	41	75	38	27.5
Menominee	108	1	6	28	36	12	32.4
Milwaukee	14,310	216	462	2,605	5,013	5,803	22.9
Monroe	627	7	77	113	193	223	31.4

(Continued)

Table 2-24. Births by Number of Prenatal Care Visits and County of Residence, Wisconsin 2010

County	Total	Number of Prenatal Care Visits					Percent of Births With <10 Visits
		No Visits	1-4	5-9	10-12	13+	
Oconto	368	1	4	59	181	116	17.4
Oneida	307	-	5	29	100	170	11.1
Outagamie	2,268	3	18	274	961	992	13.0
Ozaukee	774	1	4	72	377	309	9.9
Pepin	65	-	5	15	30	15	30.8
Pierce	425	1	5	87	169	159	21.9
Polk	457	-	9	83	204	160	20.1
Portage	749	1	4	105	334	304	14.7
Price	115	-	2	19	50	43	18.3
Racine	2,484	23	43	268	897	1,229	13.4
Richland	194	-	15	30	86	54	23.2
Rock	1,991	7	27	238	872	762	13.7
Rusk	138	-	6	41	70	18	34.1
St. Croix	1,119	1	26	213	513	362	21.4
Sauk	783	2	36	118	333	282	19.9
Sawyer	167	4	5	50	82	26	35.3
Shawano	447	1	17	85	184	107	23.0
Sheboygan	1,325	5	9	158	463	623	13.0
Taylor	238	1	11	44	109	68	23.5
Trempealeau	377	-	19	73	150	134	24.4
Vernon	399	7	103	58	115	104	42.1
Vilas	191	3	12	36	62	77	26.7
Walworth	1,077	5	13	172	583	301	17.6
Washburn	152	1	1	37	69	42	25.7
Washington	1,371	7	9	87	451	808	7.5
Waukesha	3,886	15	24	298	1,677	1,823	8.7
Waupaca	503	6	13	73	190	205	18.3
Waushara	232	1	4	57	94	73	26.7
Winnebago	1,872	5	34	216	681	913	13.6
Wood	839	7	10	144	396	276	19.2

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

Notes: Included in the totals are 1,247 births for which number of prenatal care visits was not reported. A dash (-) indicates there were no births in that category.

Table 2-25. Births by Number of Prenatal Care Visits and Region, Wisconsin 2010

	Total	Number of Prenatal Care Visits					Percent of Births With <10 Visits
		No Visits	1-4	5-9	10-12	13+	
Total	68,367	437	1,646	10,819	27,795	26,423	18.9%
DHS Regions							
Southern	12,901	40	335	1,840	5,578	4,736	17.2
Southeastern	26,880	289	600	3,897	10,383	11,281	17.8
Northeastern	14,193	48	241	2,261	5,809	5,534	18.0
Western	9,168	34	372	1,967	3,657	3,023	25.9
Northern	5,225	26	98	854	2,368	1,849	18.7
Perinatal Regions							
South Central	14,345	41	246	2,035	6,415	5,234	16.2
Southeast	26,205	285	585	3,773	9,844	11,240	17.7
Fox Valley	6,917	23	115	1,213	2,719	2,751	19.5
Northeast	5,951	20	117	890	2,627	2,160	17.3
Western	8,209	31	378	1,648	3,302	2,745	25.1
North Central	5,466	25	178	1,000	2,383	1,845	22.0
Northwest	1,274	12	27	260	505	448	23.5

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

Notes: Included in the totals are 1,247 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 2010

County	Total Births	<1,500 Grams	1,500-	2,500+	Total <2,500 Grams	Percent Low Birthweight	
			2,499 Grams			2010	2009
Total	68,367	853	3,960	63,535	4,813	7.0%	7.1%
Adams	135	1	7	127	8	5.9	7.0
Ashland	177	2	13	162	15	8.5	5.3
Barron	546	6	21	519	27	4.9	5.8
Bayfield	113	-	-	113	-	-	5.3
Brown	3,414	36	176	3,202	212	6.2	5.8
Buffalo	125	-	3	122	3	2.4	6.8
Burnett	138	-	9	129	9	6.5	4.9
Calumet	605	6	31	567	37	6.1	5.1
Chippewa	748	6	33	709	39	5.2	5.9
Clark	600	4	23	573	27	4.5	5.2
Columbia	600	3	28	569	31	5.2	7.4
Crawford	157	3	10	144	13	8.3	3.8
Dane	6,051	64	322	5,664	386	6.4	5.8
Dodge	872	14	44	813	58	6.7	4.9
Door	215	2	11	202	13	6.0	5.9
Douglas	487	9	33	445	42	8.6	6.0
Dunn	468	4	20	443	24	5.1	8.1
Eau Claire	1,114	9	72	1,032	81	7.3	5.5
Florence	29	-	2	27	2	6.9	5.4
Fond du Lac	1,066	14	65	985	79	7.4	8.4
Forest	117	-	11	106	11	9.4	7.5
Grant	545	3	27	515	30	5.5	5.0
Green	414	1	27	386	28	6.8	5.7
Green Lake	211	5	12	194	17	8.1	4.8
Iowa	290	3	11	276	14	4.8	3.5
Iron	40	-	1	39	1	2.5	2.8
Jackson	237	3	14	220	17	7.2	6.6
Jefferson	923	6	49	867	55	6.0	5.0
Juneau	263	1	13	249	14	5.3	7.4
Kenosha	2,055	26	129	1,900	155	7.5	7.6
Kewaunee	205	1	13	191	14	6.8	7.0
La Crosse	1,345	10	65	1,270	75	5.6	5.4
Lafayette	207	2	6	199	8	3.9	3.9
Langlade	204	4	11	189	15	7.4	6.7
Lincoln	283	1	19	263	20	7.1	4.7
Manitowoc	805	12	36	757	48	6.0	7.0
Marathon	1,656	11	68	1,577	79	4.8	5.5
Marinette	389	5	21	363	26	6.7	7.0
Marquette	160	3	7	150	10	6.3	3.9
Menominee	108	1	6	101	7	6.5	5.3
Milwaukee	14,310	266	1,066	12,972	1,332	9.3	9.6
Monroe	627	3	29	595	32	5.1	4.0

(Continued)

Table 2-26. Births by Birthweight and County of Residence, Wisconsin 2010

County	Total Births	<1,500 Grams	1,500-	2,500+	Total <2,500 Grams	Percent Low Birthweight	
			2,499 Grams			2010	2009
Oconto	368	2	12	354	14	3.8	5.3
Oneida	307	3	25	279	28	9.1	5.7
Outagamie	2,268	32	126	2,110	158	7.0	7.4
Ozaukee	774	6	36	732	42	5.4	5.7
Pepin	65	-	2	63	2	3.1	7.7
Pierce	425	2	18	405	20	4.7	9.1
Polk	457	8	22	427	30	6.6	5.9
Portage	749	4	41	704	45	6.0	6.6
Price	115	1	9	105	10	8.7	7.0
Racine	2,484	40	140	2,304	180	7.2	8.6
Richland	194	3	4	187	7	3.6	5.8
Rock	1,991	37	128	1,826	165	8.3	8.1
Rusk	138	2	10	126	12	8.7	5.9
St. Croix	1,119	12	56	1,051	68	6.1	5.4
Sauk	783	11	41	731	52	6.6	6.2
Sawyer	167	4	6	157	10	6.0	6.2
Shawano	447	9	28	410	37	8.3	7.9
Sheboygan	1,325	17	59	1,248	76	5.7	6.4
Taylor	238	1	8	229	9	3.8	8.8
Trempealeau	377	4	20	353	24	6.4	7.7
Vernon	399	2	16	381	18	4.5	5.4
Vilas	191	1	10	180	11	5.8	7.0
Walworth	1,077	9	67	1,000	76	7.1	6.0
Washburn	152	-	9	143	9	5.9	3.1
Washington	1,371	16	66	1,288	82	6.0	5.9
Waukesha	3,886	34	251	3,601	285	7.3	7.4
Waupaca	503	6	24	473	30	6.0	7.3
Waushara	232	-	10	222	10	4.3	7.3
Winnebago	1,872	30	121	1,719	151	8.1	7.8
Wood	839	7	31	801	38	4.5	5.2

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

Notes: Included in the totals are 19 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 there were no births in that category.

Table 2-27. Births by Birthweight and Region, Wisconsin 2010

	Total Births	<1,500 Grams	1,500-2,499 Grams	2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight	
						2009	2009
Total	68,367	853	3,960	63,535	4,813	7.0%	7.1%
DHS Regions							
Southern	12,901	148	684	12,067	832	6.4	6.1
Southeastern	26,880	403	1,804	24,664	2,207	8.2	8.4
Northeastern	14,193	181	758	13,248	939	6.6	6.8
Western	9,168	82	459	8,625	541	5.9	5.9
Northern	5,225	39	255	4,931	294	5.6	5.9
Perinatal Regions							
South Central	14,345	158	774	13,409	932	6.5	
Southeast	26,205	405	1,747	24,045	2,152	8.2	6.0
Fox Valley	6,917	96	396	6,420	492	7.1	8.6
Northeast	5,951	68	303	5,580	371	6.2	7.3
Western	8,209	72	401	7,734	473	5.8	6.2
North Central	5,466	39	268	5,159	307	5.6	5.9
Northwest	1,274	15	71	1,188	86	6.8	5.8
	12,901	148	684	12,067	832	6.4	5.3

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

Notes: Included in the totals are 19 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 2010

County	Fetal Deaths (Gestation \geq 20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Total	361	257	136	393
Adams	3	-	-	-
Ashland	2	-	-	-
Barron	2	1	-	1
Bayfield	-	-	-	-
Brown	11	10	7	17
Buffalo	-	-	-	-
Burnett	1	-	-	-
Calumet	4	4	-	4
Chippewa	8	4	3	7
Clark	3	5	3	8
Columbia	3	1	1	2
Crawford	1	1	1	2
Dane	33	21	9	30
Dodge	-	3	1	4
Door	3	-	1	1
Douglas	-	1	-	1
Dunn	1	-	1	1
Eau Claire	6	2	1	3
Florence	-	-	-	-
Fond du Lac	4	3	2	5
Forest	1	-	1	1
Grant	5	1	1	2
Green	4	3	1	4
Green Lake	2	4	-	4
Iowa	1	-	1	1
Iron	-	-	-	-
Jackson	1	-	2	2
Jefferson	5	1	1	2
Juneau	3	-	2	2
Kenosha	9	4	6	10
Kewaunee	1	-	-	-
La Crosse	7	2	5	7
Lafayette	1	2	1	3
Langlade	1	-	-	-
Lincoln	3	2	1	3
Manitowoc	5	3	-	3

(Continued)

Table 2-28. Fetal, Neonatal, Postneonatal and Infant Deaths by County of Residence, Wisconsin 2010

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	7	3	4	7
Marinette	3	1	2	3
Marquette	1	2	1	3
Menominee	-	-	-	-
Milwaukee	94	78	38	116
Monroe	4	2	-	2
Oconto	2	-	-	-
Oneida	2	2	1	3
Outagamie	10	8	4	12
Ozaukee	1	-	-	-
Pepin	1	-	-	-
Pierce	-	1	1	2
Polk	5	-	1	1
Portage	5	1	-	1
Price	-	1	1	2
Racine	12	12	6	18
Richland	-	-	-	-
Rock	9	13	4	17
Rusk	-	-	-	-
St. Croix	2	6	1	7
Sauk	5	6	3	9
Sawyer	3	-	-	-
Shawano	2	3	-	3
Sheboygan	6	6	1	7
Taylor	2	-	-	-
Trempealeau	4	2	-	2
Vernon	2	2	1	3
Vilas	1	-	2	2
Walworth	5	2	1	3
Washburn	-	-	-	-
Washington	8	7	1	8
Waukesha	17	11	6	17
Waupaca	3	1	-	1
Waushara	-	-	-	-
Winnebago	6	7	4	11
Wood	5	2	1	3
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 there were no events in that category.

Table 2-29. Fetal, Neonatal, Postneonatal and Infant Deaths by Region, Wisconsin 2010

	Fetal Deaths (Gestation \geq 20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Total	361	257	136	393
DHS Region				
Southern	70	53	26	79
Southeastern	151	115	59	174
Northeastern	63	52	22	74
Western	45	26	18	44
Northern	32	11	11	22
Perinatal Regions				
South Central	77	53	26	79
Southeast	147	118	58	176
Fox Valley	30	29	11	40
Northeast	27	17	10	27
Western	44	23	17	40
North Central	30	16	14	30
Northwest	6	1	-	1

Table 2-30. Rates of Fetal, Neonatal, Postneonatal and Infant Deaths by Region, Wisconsin 2010

	Fetal Deaths (Gestation \geq 20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Total	5.3	3.8	2.0	5.7
DHS Region				
Southern	5.4	4.1	2.0	6.1
Southeastern	5.6	4.3	2.2	6.5
Northeastern	4.4	3.7	1.6	5.2
Western	4.9	2.8	-	4.8
Northern	6.1	-	-	4.2
Perinatal Regions				
South Central	5.3	3.7	1.8	5.5
Southeast	5.6	4.5	2.2	6.7
Fox Valley	4.3	4.2	-	5.8
Northeast	4.5	-	-	4.5
Western	5.3	2.8	-	4.9
North Central	5.5	-	-	5.5
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 2010

City of Residence	Fetal Deaths (Gestation \geq20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Appleton	6	3	3	6
Beloit	3	5	2	7
Brookfield	1	-	-	-
Caledonia (V)	-	-	-	-
De Pere	3	2	-	2
Eau Claire	5	1	1	2
Fitchburg	2	-	-	-
Fond du Lac	2	2	1	3
Franklin	-	2	-	2
Grand Chute	-	1	1	2
Green Bay	6	4	7	11
Greenfield	-	-	-	-
Janesville	3	6	2	8
Kenosha	7	2	4	6
La Crosse	4	-	4	4
Madison	19	16	7	23
Manitowoc	2	1	-	1
Menomonee Falls (V)	2	3	1	4
Mequon	-	-	-	-
Milwaukee	78	67	29	96
Mount Pleasant (V)	-	1	1	2
Muskego	1	1	1	2
Neenah	1	-	-	-
New Berlin	4	1	-	1
Oak Creek	1	-	-	-
Oshkosh	4	4	-	4
Racine	12	7	3	10
Sheboygan	2	5	1	6
South Milwaukee	2	1	1	2
Stevens Point	3	-	-	-
Sun Prairie	5	3	1	4
Superior	-	1	-	1
Watertown	1	2	-	2
Waukesha	4	2	1	3
Wausau	1	1	1	2
Wauwatosa	3	2	1	3
West Allis	7	2	6	8
West Bend	1	-	-	-

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

Note: A dash (-) indicates 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.

Table 3-1. Number of Births by County of Residence, Wisconsin 1980-2010

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

(Continued)

Table 3-1. Number of Births by County of Residence, Wisconsin 1980-2010

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 1980-2010

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

(Continued)

Table 3-1. Number of Births by County of Residence, Wisconsin 1980-2010

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 1980-2010

County	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Total	69,289	69,012	68,510	69,999	70,130	70,934	72,302	72,757	72,002	70,824	68,367
Adams	158	179	160	161	162	159	160	154	183	172	135
Ashland	224	190	211	208	184	198	203	214	198	207	177
Barron	466	472	514	540	527	528	566	548	505	499	546
Bayfield	141	135	151	111	140	121	138	121	126	133	113
Brown	3,212	3,232	3,282	3,364	3,211	3,332	3,441	3,518	3,451	3,428	3,414
Buffalo	163	143	160	150	155	147	151	148	138	148	125
Burnett	136	155	172	138	144	159	166	136	148	144	138
Calumet	513	597	566	640	701	630	690	679	633	584	605
Chippewa	673	672	695	681	719	738	809	786	811	758	748
Clark	496	518	526	532	564	581	570	561	576	574	600
Columbia	616	651	622	646	637	691	637	679	652	662	600
Crawford	183	199	185	224	177	201	195	168	196	185	157
Dane	5,555	5,520	5,561	5,725	5,995	6,055	6,104	6,198	6,224	6,124	6,051
Dodge	994	926	950	963	980	910	979	962	954	884	872
Door	232	262	226	265	232	258	248	248	253	271	215
Douglas	513	513	474	501	485	466	490	510	470	484	487
Dunn	483	445	464	470	453	511	521	467	425	455	468
Eau Claire	1,116	1,146	1,098	1,110	1,105	1,178	1,177	1,215	1,211	1,167	1,114
Florence	36	40	36	37	33	37	33	32	37	37	29
Fond du Lac	1,151	1,091	1,132	1,209	1,117	1,187	1,188	1,257	1,164	1,174	1,066
Forest	114	100	100	122	108	114	106	118	98	106	117
Grant	540	547	548	584	590	559	615	576	605	563	545
Green	402	397	377	397	404	447	435	472	390	436	414
Green Lake	219	230	222	231	229	204	222	217	218	210	211
Iowa	263	310	301	308	312	320	321	308	325	313	290
Iron	40	48	42	53	42	45	40	38	52	36	40
Jackson	233	205	226	231	244	237	251	257	242	259	237
Jefferson	931	914	960	980	1,020	1,028	1,043	1,026	1,011	997	923
Juneau	275	252	298	285	293	277	301	307	275	284	263
Kenosha	2,151	2,119	2,091	2,160	2,125	2,133	2,212	2,142	2,306	2,174	2,055
Kewaunee	224	243	235	255	235	232	231	199	212	227	205
La Crosse	1,234	1,260	1,253	1,247	1,259	1,292	1,323	1,304	1,334	1,372	1,345
Lafayette	174	200	194	173	223	207	196	217	214	206	207
Langlade	209	213	238	212	216	202	226	217	205	180	204
Lincoln	281	329	334	284	315	275	348	318	317	320	283
Manitowoc	894	908	846	867	889	855	855	914	932	813	805

(Continued)

Table 3-1. Number of Births by County of Residence, Wisconsin 1980-2010

County	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Marathon	1,520	1,534	1,503	1,546	1,531	1,554	1,633	1,760	1,683	1,664	1,656
Marinette	457	386	395	458	423	460	411	448	396	384	389
Marquette	146	162	150	165	156	182	156	167	152	154	160
Menominee	93	93	85	90	102	104	117	102	130	95	108
Milwaukee	14,846	14,727	14,332	14,793	14,635	14,906	15,195	15,318	15,368	15,248	14,310
Monroe	602	593	559	624	587	615	633	666	674	632	627
Oconto	383	392	383	392	400	388	400	397	351	414	368
Oneida	316	278	327	301	333	355	296	304	320	315	307
Outagamie	2,289	2,244	2,337	2,255	2,294	2,291	2,252	2,281	2,384	2,236	2,268
Ozaukee	869	867	925	874	883	852	842	864	822	783	774
Pepin	79	88	84	79	91	99	95	91	82	104	65
Pierce	412	383	411	481	466	443	461	442	405	416	425
Polk	454	508	435	477	508	506	542	521	508	512	457
Portage	805	743	706	772	710	726	747	782	719	808	749
Price	125	139	137	123	137	130	107	130	108	114	115
Racine	2,650	2,581	2,540	2,539	2,499	2,623	2,652	2,623	2,673	2,583	2,484
Richland	201	204	207	205	231	228	229	220	233	225	194
Rock	2,075	2,028	1,966	2,055	2,002	2,052	2,125	2,161	2,076	1,980	1,991
Rusk	148	185	160	170	150	163	134	179	160	169	138
St. Croix	908	912	998	1,018	1,138	1,193	1,220	1,195	1,081	1,141	1,119
Sauk	755	701	722	730	764	785	796	816	773	787	783
Sawyer	182	182	171	157	184	205	223	208	194	195	167
Shawano	470	462	464	479	473	478	513	510	451	432	447
Sheboygan	1,437	1,339	1,380	1,376	1,382	1,481	1,422	1,407	1,403	1,346	1,325
Taylor	247	246	230	242	240	246	229	257	254	249	238
Trempealeau	322	330	284	338	359	331	333	385	401	379	377
Vernon	390	377	381	409	432	403	438	415	444	441	399
Vilas	155	194	189	186	188	164	204	199	175	201	191
Walworth	1,102	1,136	1,161	1,160	1,147	1,209	1,266	1,231	1,191	1,145	1,077
Washburn	163	156	159	183	168	173	198	191	168	162	152
Washington	1,490	1,484	1,517	1,489	1,429	1,495	1,537	1,518	1,524	1,539	1,371
Waukesha	4,357	4,421	4,268	4,311	4,362	4,108	4,140	4,067	3,956	3,751	3,886
Waupaca	567	602	598	596	556	537	566	592	551	586	503
Waushara	225	232	239	247	260	241	245	263	205	234	232
Winnebago	1,926	1,851	1,845	1,745	1,839	1,826	1,887	1,931	1,955	1,961	1,872
Wood	878	891	812	870	846	868	867	885	941	853	839
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 1986-2010

Year		Crude Rate	Age of Mother						
			Total	<15	15-17	<18	18-19	15-19	<20
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
2009	Number		70,824	61	1,608	1,669	4,186	5,794	5,855
	Rate	12.5	63.4		13.9	14.4	50.9	29.3	29.6
2010	Number		68,367	57	1,345	1,402	3,745	5,090	5,147
	Rate	12.0	62.3		11.7	12.2	47.1	26.2	26.5

(Continued)

Table 3-2. Number and Rate of Births by Age of Mother, Wisconsin 1986-2010

Year		Age of Mother							Unknown
		20-24	25-29	30-34	35-39	40+	40-44	45+	
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		
2009	Number	15,956	22,420	17,569	7,372	1,634	1,527	107	18
	Rate	77.2	123.1	108.3	42.2	8.5	7.9		
2010	Number	14,954	21,513	17,982	7,176	1,573	1,475	98	22
	Rate	78.8	117.6	105.0	42.0	8.3	7.8		

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 1980-2010

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
2009	70,824	12.5	1,669	2.4	4,186	5.9	26,656	37.6
2010	68,367	12.0	1,402	2.1	3,745	5.5	25,228	36.9

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 1980-2010

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
2009	8,642	12.2	59,060	83.4	5,040	7.1	7,663	10.8	1,248	17.6
2010	8,403	12.3	57,595	84.2	4,813	7.0	7,413	10.8	1,244	18.2

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 years before 1989 and data for 1989 and subsequent years. 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 1980-2010

Year	Infant Deaths			Neonatal Deaths			Fetal Deaths			Perinatal Deaths		
	Wisconsin Number	U.S. Rate*	U.S. Rate*	Wisconsin Number	U.S. Rate*	U.S. Rate*	Wisconsin Number	U.S. Rate**	U.S. Rate**	Wisconsin Number	U.S. Rate**	U.S. Rate**
1980	769	10.3	12.6	500	6.7	8.5	532	7.1	9.1	1,032	13.7	17.4
1981	769	10.3	11.9	514	6.9	8.0	552	7.4	8.9	1,066	14.2	16.9
1982	700	9.4	11.5	460	6.2	7.7	524	7.0	8.8	984	13.1	16.4
1983	699	9.6	11.2	459	6.3	7.3	476	6.5	8.4	935	12.8	15.6
1984	724	9.9	10.8	458	6.3	7.0	517	7.0	8.1	975	13.2	15.1
1985	674	9.2	10.6	414	5.6	7.0	481	6.5	7.8	895	12.1	14.7
1986	671	9.3	10.4	414	5.7	6.7	471	6.5	7.7	885	12.2	14.3
1987	611	8.6	10.1	361	5.1	6.5	445	6.2	7.6	806	11.3	14.1
1988	598	8.5	10.0	358	5.1	6.3	430	6.0	7.5	788	11.1	13.7
1989	662	9.2	9.8	401	5.6	6.2	480	6.6	7.5	881	12.2	13.7
1990	611	8.4	9.2	358	4.9	5.8	444	6.1	7.5	802	11.0	13.3
1991	608	8.4	8.9	370	5.1	5.6	427	5.9	7.3	797	11.0	12.8
1992	514	7.3	8.6	310	4.4	5.4	457	6.4	7.4	767	10.8	12.7
1993	553	7.9	8.4	331	4.7	5.3	401	5.7	7.1	732	10.4	12.4
1994	541	7.9	8.0	327	4.8	5.1	438	6.4	7.0	765	11.1	12.1
1995	493	7.3	7.6	311	4.6	4.9	403	5.9	7.0	714	10.5	11.8
1996	492	7.3	7.3	314	4.7	4.8	416	6.2	6.9	730	10.9	11.6
1997	431	6.5	7.2	294	4.4	4.8	361	5.4	6.8	655	9.8	11.5
1998	488	7.2	7.2	343	5.1	4.8	401	5.9	6.7	744	11.0	n/a
1999	456	6.7	7.1	294	4.3	4.7	353	5.2	6.7	647	9.4	n/a
2000	457	6.6	6.9	302	4.4	4.6	414	5.9	6.6	716	10.3	n/a
2001	491	7.1	6.8	323	4.7	4.5	375	5.4	6.5	698	10.1	n/a
2002	471	6.9	7.0	324	4.7	4.7	379	5.5	6.4	703	10.2	n/a
2003	454	6.5	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	6.3	632	9.0	n/a
2005	469	6.6	6.9	319	4.5	4.5	363	5.1	6.2	682	9.6	n/a
2006	462	6.4	6.7	311	4.3	4.5	384	5.3	n/a	695	9.6	n/a
2007	469	6.4	6.8	292	4.0	4.4	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
2009	426	6.0	n/a	281	4.0	n/a	341	4.8	n/a	622	8.7	n/a
2010	393	5.7	n/a	257	3.8	n/a	361	5.3	n/a	618	9.0	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 1985-2010

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	5.6	121	17.2	13.4	43	6.3	5.4	462	6.4	6.7
2007	290	5.3	5.6	105	14.5	13.3	44	6.4	5.5	469	6.4	6.8
2008	315	5.9	n/a	100	13.8	n/a	49	7.0	n/a	501	7.0	n/a
2009	257	4.9	n/a	104	14.3	n/a	38	5.5	n/a	426	6.0	n/a
2010	247	4.9	n/a	95	13.9	n/a	29	4.4	n/a	393	5.7	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.

Table 4-1. Number of Births by Age of Mother and Selected Characteristics, Wisconsin 2010

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	68,367	57	1,345	3,745	14,954	21,513	17,982	7,176	1,475	98
Education										
Elem. or Less	2,600	46	79	66	575	765	584	361	107	17
Some H.S.	6,321	9	1,135	1,053	1,899	1,334	590	256	45	-
H.S. Grad	18,138	-	107	2,141	6,674	5,028	2,864	1,081	235	5
Some College	18,378	-	3	434	4,617	6,684	4,527	1,735	351	27
College Grad	15,082	-	-	-	915	5,534	5,950	2,236	415	32
Post-Grad	7,325	-	2	-	143	2,023	3,380	1,456	305	16
Unknown	523	2	19	51	131	145	87	51	17	1
Marital Status										
Married	43,085	-	64	437	5,216	15,179	14,986	5,916	1,202	85
Unmarried	25,228	57	1,281	3,308	9,738	6,324	2,981	1,256	273	10
Unknown	54	-	-	-	-	10	15	4	-	3
Trimester Prenatal Care Began										
First	57,595	26	851	2,747	11,641	18,823	16,077	6,176	1,179	73
Second	7,959	19	359	754	2,478	1,992	1,413	724	203	15
Third	1,512	6	83	125	465	386	234	154	52	6
None	438	2	24	60	132	89	61	37	16	1
Unknown	863	4	28	59	238	223	197	85	25	3
Number of Prenatal Care Visits										
No Visits	437	2	24	60	132	87	61	37	16	1
1-4	1,646	7	61	137	502	423	273	164	68	8
5-9	10,819	21	345	801	3,026	3,087	2,267	1,043	207	20
10-12	27,795	12	449	1,465	5,728	8,903	7,749	2,921	532	36
13+	26,423	13	419	1,201	5,244	8,669	7,339	2,888	619	31
Unknown	1,247	2	47	81	322	344	293	123	33	2
Smoked During Pregnancy										
No	59,035	56	1,190	2,911	11,676	18,634	16,496	6,607	1,358	96
Yes	9,045	1	148	815	3,216	2,792	1,408	544	111	1
Unknown	287	-	7	19	62	87	78	25	6	1
Live Birth Order										
1	26,535	57	1,249	2,918	7,624	8,317	4,724	1,363	265	13
2	22,025	-	92	719	4,851	7,185	6,588	2,207	358	20
3	11,388	-	3	93	1,789	3,614	3,821	1,727	321	18
4	4,710	-	1	13	520	1,466	1,614	908	176	7
5+	3,693	-	-	2	166	927	1,232	969	355	39
Unknown	16	-	-	-	4	4	3	2	-	1
Plurality										
Single Birth	66,113	57	1,339	3,671	14,639	20,796	17,252	6,865	1,386	86
Multiple Birth	2,254	-	6	74	315	717	730	311	89	12
Prematurity										
Full-Term (37+ Weeks)	60,918	47	1,144	3,276	13,321	19,334	16,160	6,290	1,246	83
Premature (<37 Weeks)	7,413	10	197	466	1,624	2,174	1,813	882	228	14
Unknown	36	-	4	3	9	5	9	4	1	1
Attendant at Birth										
Physician, M.D.	56,563	49	1,035	3,031	12,020	17,678	15,296	6,123	1,241	72
Physician, D.O.	5,253	1	103	311	1,231	1,758	1,261	478	103	6
Cert. Nurse Midwife	5,301	7	204	396	1,432	1,702	1,097	392	64	7
Other Midwife	517	-	2	2	83	159	162	74	30	5
Other	733	-	1	5	188	216	166	109	37	8
Unknown	-	-	-	-	-	-	-	-	-	-

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

Notes: Included in the totals are 22 births for which age of mother was not reported. A dash (-) indicates there were no births in that category.

Table 4-2. Percent of Births by Age of Mother and Selected Characteristics, Wisconsin 2010

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Education										
Elem. or Less	3.8	80.7	5.9	1.8	3.8	3.6	3.2	5.0	7.3	17.3
Some H.S.	9.2	15.8	84.4	28.1	12.7	6.2	3.3	3.6	3.1	-
H.S. Grad	26.5	-	8.0	57.2	44.6	23.4	15.9	15.1	15.9	5.1
Some College	26.9	-	0.2	11.6	30.9	31.1	25.2	24.2	23.8	27.6
College Grad	22.1	-	-	-	6.1	25.7	33.1	31.2	28.1	32.7
Post-Grad	10.7	-	0.1	-	1.0	9.4	18.8	20.3	20.7	16.3
Unknown	0.8	3.5	1.4	1.4	0.9	0.7	0.5	0.7	1.2	1.0
Marital Status										
Married	63.0	-	4.8	11.7	34.9	70.6	83.3	82.4	81.5	86.7
Unmarried	36.9	100.0	95.2	88.3	65.1	29.4	16.6	17.5	18.5	10.2
Unknown	0.1	-	-	-	-	0.0	0.1	0.1	-	3.1
Trimester Prenatal Care Began										
First	84.2	45.6	63.3	73.4	77.8	87.5	89.4	86.1	79.9	74.5
Second	11.6	33.3	26.7	20.1	16.6	9.3	7.9	10.1	13.8	15.3
Third	2.2	10.5	6.2	3.3	3.1	1.8	1.3	2.1	3.5	6.1
None	0.6	3.5	1.8	1.6	0.9	0.4	0.3	0.5	1.1	1.0
Unknown	1.3	7.0	2.1	1.6	1.6	1.0	1.1	1.2	1.7	3.1
Number of Prenatal Care Visits										
No Visits	0.6	3.5	1.8	1.6	0.9	0.4	0.3	0.5	1.1	1.0
1-4	2.4	12.3	4.5	3.7	3.4	2.0	1.5	2.3	4.6	8.2
5-9	15.8	36.8	25.7	21.4	20.2	14.3	12.6	14.5	14.0	20.4
10-12	40.7	21.1	33.4	39.1	38.3	41.4	43.1	40.7	36.1	36.7
13+	38.6	22.8	31.2	32.1	35.1	40.3	40.8	40.2	42.0	31.6
Unknown	1.8	3.5	3.5	2.2	2.2	1.6	1.6	1.7	2.2	2.0
Smoked During Pregnancy										
No	86.4	98.2	88.5	77.7	78.1	86.6	91.7	92.1	92.1	98.0
Yes	13.2	1.8	11.0	21.8	21.5	13.0	7.8	7.6	7.5	1.0
Unknown	0.4	-	0.5	0.5	0.4	0.4	0.4	0.3	0.4	1.0
Live Birth Order										
1	38.8	100.0	92.9	77.9	51.0	38.7	26.3	19.0	18.0	13.3
2	32.2	-	6.8	19.2	32.4	33.4	36.6	30.8	24.3	20.4
3	16.7	-	0.2	2.5	12.0	16.8	21.2	24.1	21.8	18.4
4	6.9	-	0.1	0.3	3.5	6.8	9.0	12.7	11.9	7.1
5+	5.4	-	-	0.1	1.1	4.3	6.9	13.5	24.1	39.8
Unknown	0.0	-	-	-	0.0	0.0	0.0	0.0	-	1.0
Plurality										
Single Birth	96.7	100.0	99.6	98.0	97.9	96.7	95.9	95.7	94.0	87.8
Multiple Birth	3.3	-	0.4	2.0	2.1	3.3	4.1	4.3	6.0	12.2
Prematurity										
Full Term (37+ Weeks)	89.1	82.5	85.1	87.5	89.1	89.9	89.9	87.7	84.5	84.7
Premature (<37 Weeks)	10.8	17.5	14.6	12.4	10.9	10.1	10.1	12.3	15.5	14.3
Unknown	0.1	-	0.3	0.1	0.1	0.0	0.1	0.1	0.1	1.0
Attendant at Birth										
Physician, M.D.	82.7	86.0	77.0	80.9	80.4	82.2	85.1	85.3	84.1	73.5
Physician, D.O.	7.7	1.8	7.7	8.3	8.2	8.2	7.0	6.7	7.0	6.1
Cert. Nurse Midwife	7.8	12.3	15.2	10.6	9.6	7.9	6.1	5.5	4.3	7.1
Other Midwife	0.8	-	0.1	0.1	0.6	0.7	0.9	1.0	2.0	5.1
Other	1.1	-	0.1	0.1	1.3	1.0	0.9	1.5	2.5	8.2
Unknown	-	-	-	-	-	-	-	-	-	-

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

Notes: Included in the totals are 22 births for which age of mother was not reported. A dash (-) indicates there were no births in that category.

Table 4-3. Number of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2010

	Total	White	Black/Afr. American	American Indian	Hispanic/ Latina	Laotian or Hmong	Other Asian
Total	68,367	50,893	6,845	1,129	6,560	1,264	1,628
Age of Mother							
<15	57	16	24	-	16	1	-
15-17	1,345	535	429	48	271	46	14
18-19	3,745	1,977	910	138	574	108	35
20-24	14,954	9,656	2,463	399	1,758	434	227
25-29	21,513	16,858	1,615	291	1,835	377	528
30-34	17,982	14,877	900	147	1,348	180	526
35-39	7,176	5,702	413	84	637	87	250
40-44	1,475	1,185	82	21	113	27	46
45+	98	80	4	-	8	4	2
Unknown	22	7	5	1	-	-	-
Education of Mother							
Elem. or Less	2,600	1,036	153	10	1,185	154	62
Some H.S.	6,321	2,584	1,634	229	1,665	132	75
H.S. Grad	18,138	12,144	2,710	464	2,087	449	268
Some College	18,378	14,762	1,691	326	994	337	260
College Grad	15,082	13,659	350	63	381	123	501
Post-Grad	7,325	6,486	175	26	158	40	436
Unknown	523	222	132	11	90	29	26
Marital Status							
Married	43,085	36,529	1,035	263	2,972	891	1,379
Unmarried	25,228	14,325	5,805	865	3,588	373	249
Unknown	54	39	5	1	-	-	-
Trimester Prenatal Care Began							
First	57,595	44,636	5,069	816	4,888	830	1,322
Second	7,959	4,575	1,235	214	1,292	398	240
Third	1,512	905	273	44	233	22	33
None	438	200	162	19	39	7	4
Unknown	863	577	106	36	108	7	29
Number of Prenatal Care Visits							
No Visits	437	198	163	19	39	7	4
1-4	1,646	1,001	376	72	136	33	25
5-9	10,819	6,928	1,547	270	1,397	393	276
10-12	27,795	21,282	2,156	402	2,726	518	697
13+	26,423	20,670	2,461	312	2,076	298	591
Unknown	1,247	814	142	54	186	15	35
Smoked During Pregnancy							
No	59,035	43,611	5,740	723	6,165	1,185	1,571
Yes	9,045	7,067	1,078	394	374	76	52
Unknown	287	215	27	12	21	3	5
Live Birth Order							
1	26,535	20,660	2,388	397	1,989	364	716
2	22,025	17,011	1,788	309	2,024	291	589
3	11,388	8,114	1,272	210	1,388	209	188
4	4,710	2,992	644	111	739	150	71
5+	3,693	2,107	750	102	419	250	64
Unknown	16	9	3	-	1	-	-

(Continued)

Table 4-3. Number of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2010

	Total	White	Black/Afr. American	American Indian	Hispanic/ Latina	Laotian or Hmong	Other Asian
Total	68,367	50,893	6,845	1,129	6,560	1,264	1,628
Prematurity							
Full Term (37+ Weeks)	60,918	45,799	5,642	978	5,852	1,130	1,479
Premature (<37 Weeks)	7,413	5,071	1,198	145	707	134	149
Unknown	36	23	5	6	1	-	-
Gestational Age (Weeks)							
16-31 Weeks	1,305	835	288	21	107	25	26
32-35 Weeks	3,398	2,309	558	76	321	57	73
36 Weeks	2,710	1,927	352	48	279	52	50
37-41 Weeks	56,526	42,699	5,176	884	5,323	1,023	1,386
42-45 Weeks	4,392	3,100	466	94	529	107	93
Unknown	36	23	5	6	1	-	-

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

Notes: Included in the totals are 48 births for which race/ethnicity of mother was not reported. A dash (-) indicates 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 2010

	Total	White	Black/Afr. American	American Indian	Hispanic/ Latina	Laotian or Hmong	Other Asian
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Age of Mother							
<15	0.1	0.0	0.4	-	0.2	0.1	-
15-17	2.0	1.1	6.3	4.3	4.1	3.6	0.9
18-19	5.5	3.9	13.3	12.2	8.8	8.5	2.1
20-24	21.9	19.0	36.0	35.3	26.8	34.3	13.9
25-29	31.5	33.1	23.6	25.8	28.0	29.8	32.4
30-34	26.3	29.2	13.1	13.0	20.5	14.2	32.3
35-39	10.5	11.2	6.0	7.4	9.7	6.9	15.4
40-44	2.2	2.3	1.2	1.9	1.7	2.1	2.8
45+	0.1	0.2	0.1	-	0.1	0.3	0.1
Unknown	0.0	0.0	0.1	0.1	-	-	-
Education of Mother							
Elem. or Less	3.8	2.0	2.2	0.9	18.1	12.2	3.8
Some H.S.	9.2	5.1	23.9	20.3	25.4	10.4	4.6
H.S. Grad	26.5	23.9	39.6	41.1	31.8	35.5	16.5
Some College	26.9	29.0	24.7	28.9	15.2	26.7	16.0
College Grad	22.1	26.8	5.1	5.6	5.8	9.7	30.8
Post-Grad	10.7	12.7	2.6	2.3	2.4	3.2	26.8
Unknown	0.8	0.4	1.9	1.0	1.4	2.3	1.6
Marital Status							
Married	63.0	71.8	15.1	23.3	45.3	70.5	84.7
Unmarried	36.9	28.1	84.8	76.6	54.7	29.5	15.3
Unknown	0.1	0.1	0.1	0.1	-	-	-
Trimester Prenatal Care Began							
First	84.2	87.7	74.1	72.3	74.5	65.7	81.2
Second	11.6	9.0	18.0	19.0	19.7	31.5	14.7
Third	2.2	1.8	4.0	3.9	3.6	1.7	2.0
None	0.6	0.4	2.4	1.7	0.6	0.6	0.2
Unknown	1.3	1.1	1.5	3.2	1.6	0.6	1.8
Number of Prenatal Care Visits							
No Visits	0.6	0.4	2.4	1.7	0.6	0.6	0.2
1-4	2.4	2.0	5.5	6.4	2.1	2.6	1.5
5-9	15.8	13.6	22.6	23.9	21.3	31.1	17.0
10-12	40.7	41.8	31.5	35.6	41.6	41.0	42.8
13+	38.6	40.6	36.0	27.6	31.6	23.6	36.3
Unknown	1.8	1.6	2.1	4.8	2.8	1.2	2.1
Smoked During Pregnancy							
No	86.4	85.7	83.9	64.0	94.0	93.8	96.5
Yes	13.2	13.9	15.7	34.9	5.7	6.0	3.2
Unknown	0.4	0.4	0.4	1.1	0.3	0.2	0.3
Live Birth Order							
1	38.8	40.6	34.9	35.2	30.3	28.8	44.0
2	32.2	33.4	26.1	27.4	30.9	23.0	36.2
3	16.7	15.9	18.6	18.6	21.2	16.5	11.5
4	6.9	5.9	9.4	9.8	11.3	11.9	4.4
5+	5.4	4.1	11.0	9.0	6.4	19.8	3.9
Unknown	0.0	0.0	0.0	-	0.0	-	-

(Continued)

Table 4-4. Percent of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2010

	Total	White	Black/Afr. American	American Indian	Hispanic/ Latina	Laotian or Hmong	Other Asian
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Prematurity							
Full Term (37+ Weeks)	89.1	90.0	82.4	86.6	89.2	89.4	90.8
Premature (<37 Weeks)	10.8	10.0	17.5	12.8	10.8	10.6	9.2
Unknown	0.1	0.0	0.1	0.5	0.0	-	-
Gestational Age (Weeks)							
16-31 Weeks	1.9	1.6	4.2	1.9	1.6	2.0	1.6
32-35 Weeks	5.0	4.5	8.2	6.7	4.9	4.5	4.5
36 Weeks	4.0	3.8	5.1	4.3	4.3	4.1	3.1
37-41 Weeks	82.7	83.9	75.6	78.3	81.1	80.9	85.1
42-45 Weeks	6.4	6.1	6.8	8.3	8.1	8.5	5.7
Unknown	0.1	0.0	0.1	0.5	0.0	-	-

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

Notes: Included in the totals are 48 births for which race/ethnicity of mother was not reported. A dash (-) indicates 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 2010

	Total Births	<1,500 Grams		1,500-2,499 Grams		2,500+ Grams		Total <2,500 Grams	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	68,367	853	1.2	3,960	5.8	63,535	92.9	4,813	7.0
Plurality									
Single Birth	66,113	622	0.9	2,960	4.5	62,512	94.6	3,582	5.4
Multiple Birth	2,254	231	10.2	1,000	44.4	1,023	45.4	1,231	54.6
Prematurity									
Full Term (37+ Weeks)	60,918	16	0.0	1,525	2.5	59,369	97.5	1,541	2.5
Premature (<37 Weeks)	7,413	836	11.3	2,433	32.8	4,134	55.8	3,269	44.1
Unknown	36	1	2.8	2	5.6	32	88.9	3	8.3
Age of Mother									
<15	57	2	3.5	9	15.8	46	80.7	11	19.3
15-17	1,345	28	2.1	96	7.1	1,221	90.8	124	9.2
18-19	3,745	59	1.6	264	7.0	3,421	91.3	323	8.6
20-24	14,954	204	1.4	936	6.3	13,813	92.4	1,140	7.6
25-29	21,513	251	1.2	1,180	5.5	20,076	93.3	1,431	6.7
30-34	17,982	191	1.1	899	5.0	16,884	93.9	1,090	6.1
35-39	7,176	90	1.3	446	6.2	6,638	92.5	536	7.5
40-44	1,475	25	1.7	122	8.3	1,328	90.0	147	10.0
45+	98	2	2.0	7	7.1	89	90.8	9	9.2
Unknown	22	1	4.5	1	4.5	19	86.4	2	9.1
Race/Ethnicity of Mother									
White	50,893	533	1.0	2,635	5.2	47,711	93.7	3,168	6.2
Black/Afr. American	6,845	217	3.2	726	10.6	5,900	86.2	943	13.8
American Indian	1,129	14	1.2	71	6.3	1,044	92.5	85	7.5
Hispanic/Latina	6,560	59	0.9	323	4.9	6,176	94.1	382	5.8
Laotian or Hmong	1,264	14	1.1	79	6.3	1,170	92.6	93	7.4
Other Asian	1,628	14	0.9	121	7.4	1,493	91.7	135	8.3
Unknown	48	2	4.2	5	10.4	41	85.4	7	14.6
Education of Mother									
Elem. or Less	2,600	22	0.8	132	5.1	2,444	94.0	154	5.9
Some H.S.	6,321	112	1.8	556	8.8	5,650	89.4	668	10.6
H.S. Grad	18,138	278	1.5	1,189	6.6	16,662	91.9	1,467	8.1
Some College	18,378	218	1.2	1,013	5.5	17,146	93.3	1,231	6.7
College Grad	15,082	129	0.9	683	4.5	14,268	94.6	812	5.4
Post-Grad	7,325	72	1.0	344	4.7	6,909	94.3	416	5.7
Unknown	523	22	4.2	43	8.2	456	87.2	65	12.4
Marital Status									
Married	43,085	410	1.0	2,060	4.8	40,604	94.2	2,470	5.7
Unmarried	25,228	440	1.7	1,889	7.5	22,892	90.7	2,329	9.2
Unknown	54	3	5.6	11	20.4	39	72.2	14	25.9

(Continued)

Table 4-5. Number and Percent of Births by Birthweight and Selected Characteristics, Wisconsin 2010

	Total Births	<1,500 Grams		1,500-2,499 Grams		2,500+ Grams		Total <2,500 Grams	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Trimester Prenatal Care Began									
First	57,595	677	1.2	3,190	5.5	53,717	93.3	3,867	6.7
Second	7,959	106	1.3	532	6.7	7,320	92.0	638	8.0
Third	1,512	9	0.6	95	6.3	1,406	93.0	104	6.9
None	438	30	6.8	68	15.5	337	76.9	98	22.4
Unknown	863	31	3.6	75	8.7	755	87.5	106	12.3
Number of Prenatal Care Visits									
No Visits	437	30	6.9	68	15.6	336	76.9	98	22.4
1-4	1,646	124	7.5	193	11.7	1,328	80.7	317	19.3
5-9	10,819	395	3.7	1,128	10.4	9,290	85.9	1,523	14.1
10-12	27,795	129	0.5	1,259	4.5	26,406	95.0	1,388	5.0
13+	26,423	124	0.5	1,186	4.5	25,110	95.0	1,310	5.0
Unknown	1,247	51	4.1	126	10.1	1,065	85.4	177	14.2
Smoked During Pregnancy									
No	59,035	668	1.1	3,075	5.2	55,280	93.6	3,743	6.3
Yes	9,045	176	1.9	867	9.6	7,996	88.4	1,043	11.5
Unknown	287	9	3.1	18	6.3	259	90.2	27	9.4
Type of Delivery									
Vaginal After									
Previous C-Section	1,242	20	1.6	60	4.8	1,162	93.6	80	6.4
Forceps	543	1	0.2	26	4.8	516	95.0	27	5.0
Other Vaginal	48,768	325	0.7	2,241	4.6	46,190	94.7	2,566	5.3
Primary C-Section	9,996	424	4.2	1,173	11.7	8,392	84.0	1,597	16.0
Repeat C-Section	7,818	83	1.1	460	5.9	7,275	93.1	543	6.9
Other	-	-	-	-	-	-	-	-	-
Live Birth Order									
1	26,535	368	1.4	1,608	6.1	24,552	92.5	1,976	7.4
2	22,025	222	1.0	1,070	4.9	20,730	94.1	1,292	5.9
3	11,388	133	1.2	644	5.7	10,605	93.1	777	6.8
4	4,710	61	1.3	343	7.3	4,303	91.4	404	8.6
5+	3,693	69	1.9	293	7.9	3,331	90.2	362	9.8
Unknown	16	-	-	2	12.5	14	87.5	2	12.5
Congenital Anomalies									
No	67,123	800	1.2	3,792	5.6	62,512	93.1	4,592	6.8
Yes	1,244	53	4.3	168	13.5	1,023	82.2	221	17.8

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

Notes: Included in the totals are 19 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 there were no births in that category.

Table 4-6. Number and Percent of Births by Estimated Gestational Age and Birthweight, Wisconsin 2010

Birthweight	Estimated Gestational Age (in Weeks)										
	Total	17-19	20-27	28-31	32-35	36	37-39	40	41	42+	Unk.
<i>Number</i>											
Total	68,367	28	456	821	3,398	2,710	35,987	14,003	6,536	4,392	36
<500 Grams	107	15	87	4	1	-	-	-	-	-	-
500-999 Grams	298	3	204	72	14	-	2	1	1	1	-
1,000-1,499 Gms	448	1	61	250	114	10	6	2	1	2	1
1,500-1,999 Gms	940	1	11	192	521	80	103	8	11	13	-
2,000-2,499 Gms	3,020	-	9	70	1,079	470	1,142	113	74	61	2
2,500-2,999 Gms	11,005	2	25	69	834	1,034	6,676	1,308	514	535	8
3,000-3,499 Gms	25,876	3	27	101	532	793	15,075	5,394	2,300	1,641	10
3,500-3,999 Gms	20,266	1	21	49	247	266	10,155	5,407	2,568	1,540	12
4,000-4,499 Gms	5,434	-	5	11	46	50	2,419	1,510	900	492	1
4,500+ Grams	954	1	1	1	8	7	403	259	166	107	1
Unknown	19	1	5	2	2	-	6	1	1	-	1
<i>Percent</i>											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<500 Grams	0.2	53.6	19.1	0.5	0.0	-	-	-	-	-	-
500-999 Grams	0.4	10.7	44.7	8.8	0.4	-	0.0	0.0	0.0	0.0	-
1,000-1,499 Gms	0.7	3.6	13.4	30.5	3.4	0.4	0.0	0.0	0.0	0.0	2.8
1,500-1,999 Gms	1.4	3.6	2.4	23.4	15.3	3.0	0.3	0.1	0.2	0.3	-
2,000-2,499 Gms	4.4	-	2.0	8.5	31.8	17.3	3.2	0.8	1.1	1.4	5.6
2,500-2,999 Gms	16.1	7.1	5.5	8.4	24.5	38.2	18.6	9.3	7.9	12.2	22.2
3,000-3,499 Gms	37.8	10.7	5.9	12.3	15.7	29.3	41.9	38.5	35.2	37.4	27.8
3,500-3,999 Gms	29.6	3.6	4.6	6.0	7.3	9.8	28.2	38.6	39.3	35.1	33.3
4,000-4,499 Gms	7.9	-	1.1	1.3	1.4	1.8	6.7	10.8	13.8	11.2	2.8
4,500+ Grams	1.4	3.6	0.2	0.1	0.2	0.3	1.1	1.8	2.5	2.4	2.8
Unknown	0.0	3.6	1.1	0.2	0.1	-	0.0	0.0	0.0	-	2.8

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

Note: Estimated gestational age in weeks is calculated using the date of last normal menses and the date of delivery. Where date of last normal menses 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 2010

Birthweight	Total	White	Black/Afr. American	American Indian	Hispanic/ Latina	Laotian or Hmong	Other Asian
<i>Number</i>							
Total	68,367	50,893	6,845	1,129	6,560	1,264	1,628
<500 Grams	107	58	37	-	7	3	1
500-999 Grams	298	187	70	5	24	6	5
1,000-1,499 Gms	448	288	110	9	28	5	8
1,500-1,999 Gms	940	630	187	12	66	12	29
2,000-2,499 Gms	3,020	2,005	539	59	257	67	92
2,500-2,999 Gms	11,005	7,288	1,741	164	1,133	301	367
3,000-3,499 Gms	25,876	18,946	2,635	380	2,620	592	687
3,500-3,999 Gms	20,266	16,130	1,289	360	1,874	237	364
4,000-4,499 Gms	5,434	4,562	203	108	463	34	63
4,500+ Grams	954	785	32	32	86	6	12
Unknown	19	14	2	-	2	1	-
<i>Percent</i>							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<500 Grams	0.2	0.1	0.5	-	0.1	0.2	0.1
500-999 Grams	0.4	0.4	1.0	0.4	0.4	0.5	0.3
1,000-1,499 Gms	0.7	0.6	1.6	0.8	0.4	0.4	0.5
1,500-1,999 Gms	1.4	1.2	2.7	1.1	1.0	0.9	1.8
2,000-2,499 Gms	4.4	3.9	7.9	5.2	3.9	5.3	5.7
2,500-2,999 Gms	16.1	14.3	25.4	14.5	17.3	23.8	22.5
3,000-3,499 Gms	37.8	37.2	38.5	33.7	39.9	46.8	42.2
3,500-3,999 Gms	29.6	31.7	18.8	31.9	28.6	18.8	22.4
4,000-4,499 Gms	7.9	9.0	3.0	9.6	7.1	2.7	3.9
4,500+ Grams	1.4	1.5	0.5	2.8	1.3	0.5	0.7
Unknown	0.0	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 48 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 2010

	Fetal Deaths (Gestation \geq 20 weeks)		Neonatal Deaths (Age <28 days)		Infant Deaths (Age <1 year)	
	Number	Rate	Number	Rate	Number	Rate
Total	361	5.3	257	3.8	393	5.7
Sex of Infant						
Male	189	5.4	141	4.0	222	6.3
Female	163	4.9	116	3.5	171	5.1
Unknown	9	-	-	-	-	-
Birthweight						
1,499 Grams or Less	216	202.1	171	200.5	191	223.9
1,500-2,499 Grams	60	14.9	31	7.8	57	14.4
2,500+ Grams	81	1.3	50	0.8	139	2.2
Unknown	4	-	5	-	6	-
<u>White Non-Hispanic</u>						
1,499 Grams or Less	235	4.6	160	3.1	247	4.9
1,500-2,499 Grams	130	196.1	101	189.5	110	206.4
2,500+ Grams	39	14.6	22	8.3	36	13.7
Unknown	65	1.4	35	0.7	98	2.1
Unknown	1	-	2	-	3	-
<u>Black Non-Hispanic</u>						
1,499 Grams or Less	68	9.8	64	9.3	95	13.9
1,500-2,499 Grams	48	181.1	49	225.8	58	267.3
2,500+ Grams	14	-	6	-	14	-
Unknown	5	-	7	-	21	3.6
Unknown	1	-	2	-	2	-
Gestational Age (Weeks)						
<37 Weeks	276	35.6	207	27.9	253	34.1
16-31 Weeks	209	138.0	180	137.9	202	154.8
32-35 Weeks	46	13.4	21	6.2	37	10.9
36 Weeks	21	7.7	6	-	14	-
37-41 Weeks	75	1.3	42	0.7	130	2.3
42-45 Weeks	9	-	4	-	5	-
Unknown	1	-	4	-	5	-
Marital Status						
Married	207	4.8	126	2.9	173	4.0
Unmarried	154	6.1	131	5.2	220	8.7
Unknown	-	-	-	-	-	-
Education of Mother						
Elementary or Less	14	-	9	-	17	-
Some High School	31	4.9	29	4.6	61	9.7
High School Graduate	132	7.2	83	4.6	127	7.0
Some College	65	3.5	59	3.2	89	4.8
College Graduate	58	3.8	31	2.1	45	3.0
Post Graduate	31	4.2	29	4.0	36	4.9
Unknown	30	54.2	17	-	18	-

(Continued)

Table 4-8. Fetal, Neonatal, and Infant Deaths by Selected Characteristics, Wisconsin 2010

	Fetal Deaths (Gestation \geq 20 weeks)		Neonatal Deaths (Age <28 days)		Infant Deaths (Age <1 year)	
	Number	Rate	Number	Rate	Number	Rate
Age of Mother						
<15	-	-	-	-	1	-
15-17	9	-	7	-	14	-
18-19	23	6.1	16	-	31	8.3
20-24	76	5.1	62	4.1	107	7.2
25-29	108	5.0	69	3.2	102	4.7
30-34	93	5.1	59	3.3	84	4.7
35-39	36	5.0	33	4.6	39	5.4
40+	16	-	11	-	15	-
Unknown	-	-	-	-	-	-
Race/Ethnicity of Mother						
White	235	4.6	160	3.1	247	4.9
Black/African American	68	9.8	64	9.3	95	13.9
American Indian	8	-	1	-	6	-
Hispanic/Latina	30	4.6	18	-	29	4.4
Laotian or Hmong	10	-	6	-	8	-
Other Asian	9	-	6	-	6	-
Unknown	1	-	2	-	2	-
Trimester Prenatal Care Began						
First	291	5.0	186	3.2	287	5.0
Second	43	5.4	33	4.1	59	7.4
Third	9	-	2	-	5	-
None	4	-	19	-	22	50.2
Unknown	14	-	17	-	20	23.2
Number of Prenatal Care Visits						
No Visits	10	-	19	-	22	50.3
1-4 Visits	76	44.1	61	37.1	76	46.2
5-9 Visits	148	13.5	81	7.5	118	10.9
10-12 Visits	66	2.4	36	1.3	76	2.7
13+ Visits	45	1.7	39	1.5	76	2.9
Unknown	16	-	21	16.8	25	20.0
Plurality						
Single Birth	322	4.8	221	3.3	346	5.2
Multiple Birth	39	17.0	36	16.0	47	20.9
Unknown	-	-	-	-	-	-
Smoked During Pregnancy						
No	292	4.9	207	3.5	306	5.2
Yes	69	7.6	45	5.0	82	9.1
Unknown	-	-	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 2010 and United States, 2008

Birth Rates	Wisconsin		United States
	Rate		Rate
Crude Birth Rate (births per 1,000 total population)	12.0		14.0
General Fertility Rate (births per 1,000 females ages 15-44)	62.3		68.6
Teen Birth Rate (births per 1,000 females ages 15-19)	26.2	26.5*	41.5
Mortality Rates			
Infant Mortality Rate (infant deaths per 1,000 live births)	5.7		6.8
Infant Mortality Rate – Black Non-Hispanic	13.9		13.3
Infant Mortality Rate – White Non-Hispanic	4.9		5.6
Neonatal Mortality Rate (deaths <28 days of age per 1,000 live births)	3.8		4.4
Perinatal Mortality Rate (fetal deaths and deaths <28 days of age per 1,000 live births and fetal deaths)	11.0	5.8**	6.6***
Birth Characteristics			
	Percent		Percent
Mother Unmarried	36.9%		40.6%
C-Section Delivery	26.1		32.3
Low Birthweight	7.0		8.2
Low Birthweight – Black Non-Hispanic	13.8		13.7
Low Birthweight – White Non-Hispanic	6.2%		7.2%

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.

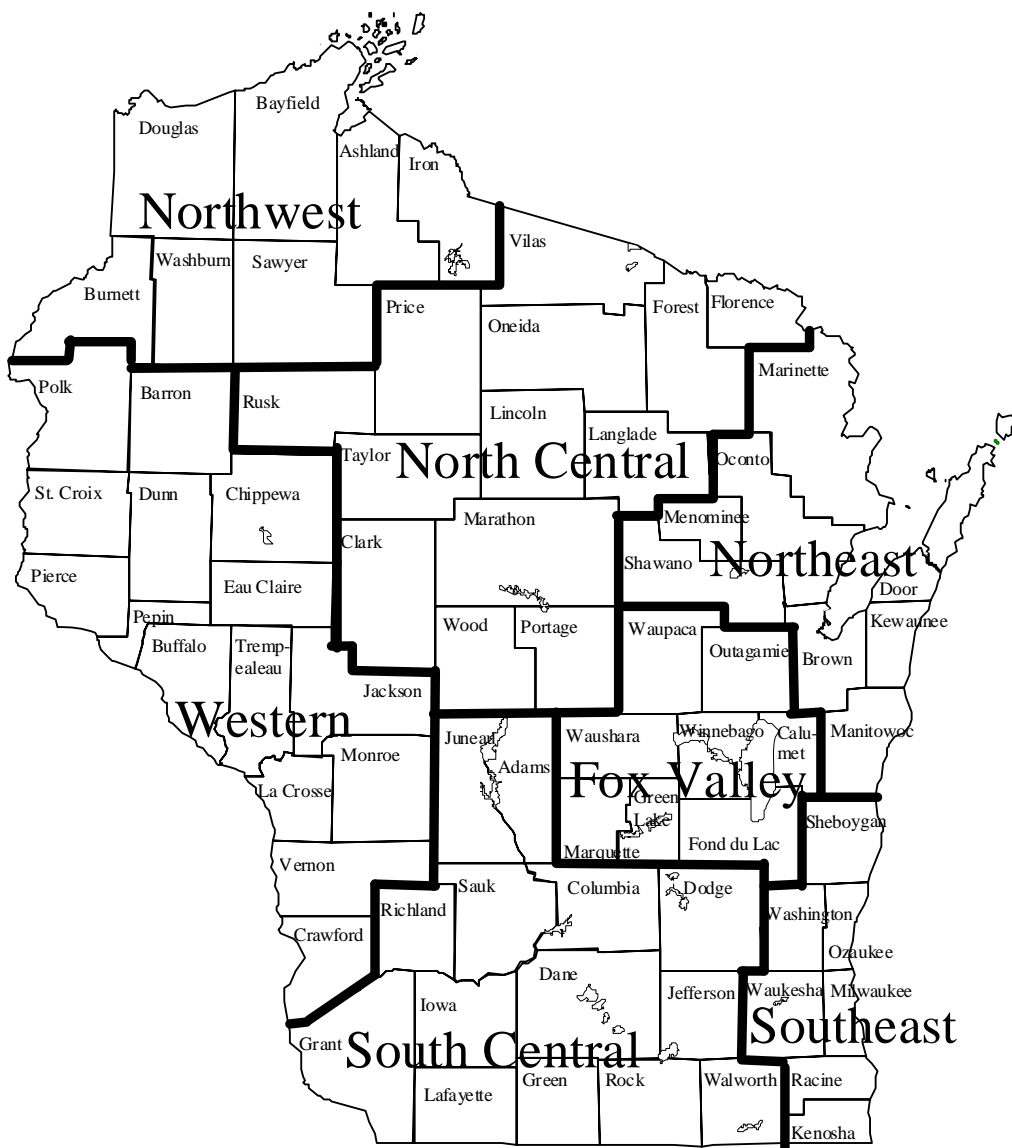
*** Rate for 2005, the latest available data. The U.S. perinatal mortality rate is cited from CDC/NCHS, National Vital Statistics System; Xu JQ, Kochanek KD, Murphy SL, Tejada-Vera B. Deaths: Final data for 2007. National Vital Statistics Reports; Vol 58 No 19. Hyattsville, MD: NCHS; 2010. Available from: http://www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58_19.pdf and unpublished data.

Map 1. Wisconsin Department of Health Services Regions, 2010



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, 2010



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, Mathews Osterman MJK. Births: Final data for 2008. *National Vital Statistics Reports*, Vol. 59, No. 1. Hyattsville, Maryland: National Center for Health Statistics, 2010. National infant mortality data are drawn from Mathews TJ, MacDorman MF. Infant mortality statistics from the 2007 period linked birth/infant death data set. *National Vital Statistics Reports*, Vol. 59, No. 6. Hyattsville, Maryland: National Center for Health Statistics, 2011.

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 2010, rather than the mortality experience of the 2010 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 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 11 deaths in 2010 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.

<i>Diabetes</i>	Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset, and gestational diabetes during pregnancy.
<i>Genital Herpes</i>	Infection of the skin of the genital area by herpes simplex virus.
<i>Hydramnios/ Oligohydramnios</i>	Any noticeable excess (hydramnios) or lack (oligohydramnios) of amniotic fluid.
<i>Hypertension, Chronic</i>	Blood pressure persistently greater than 140/90, diagnosed prior to onset of pregnancy or before the 20 th week of gestation.
<i>Hypertension, Pregnancy- Associated</i>	An increase in blood pressure of at least 30 mm Hg systolic or 15 mm Hg diastolic on two measurements taken six hours apart after the 20th week of gestation.
<i>Eclampsia</i>	The occurrence of convulsions and/or coma unrelated to other cerebral conditions in women with signs and symptoms of preeclampsia.
<i>Incompetent Cervix</i>	A condition characterized by painless dilation of the cervix in the second trimester or early in the third trimester of pregnancy, with premature expulsion of membranes through the cervix and ballooning of the membranes into the vagina, followed by rupture of the membranes and subsequent expulsion of the fetus.
<i>Previous Infant 4,000+ Grams</i>	Previous birth of a live-born child with a birthweight of over 4,000 grams (8 lbs., 14 oz.).
<i>Previous Preterm or SGA Infant</i>	Previous birth of an infant prior to term (before 37 completed weeks of gestation), or of an infant weighing less than the 10th percentile for gestational age, using a standard weight-for-age chart. (SGA means “small for gestational age.”)
<i>Renal Disease</i>	Kidney disease.
<i>Rh Sensitization</i>	The process or state of becoming sensitized to the Rh blood factor, as when an Rh-negative woman is pregnant with an Rh-positive fetus.
<i>Uterine Bleeding</i>	Any clinically significant bleeding during the pregnancy, taking into consideration the stage of pregnancy; any second- or third-trimester bleeding of the uterus prior to the onset of labor.

Obstetric Procedures: Definitions

<i>Amniocentesis</i>	Surgical transabdominal perforation of the uterus to obtain amniotic fluid to be used in the detection of genetic disorders, fetal abnormalities, and fetal lung maturity.
<i>Electronic Fetal Monitoring</i>	Monitoring with external devices applied to the maternal abdomen or with internal devices with an electrode attached to the fetal scalp and a catheter through the cervix into the uterus, to detect and record fetal heart tones and uterine contractions.

<i>Induction of Labor</i>	The initiation of uterine contractions before the spontaneous onset of labor by medical and/or surgical means for the purpose of delivery.
<i>Stimulation of Labor</i>	Augmentation of previously established labor by use of oxytocin.
<i>Tocolysis</i>	Use of medications to inhibit preterm uterine contractions to extend the length of pregnancy and, therefore, avoid a preterm birth.
<i>Ultrasound</i>	Visualization of the fetus and the placenta by means of sound waves.
Congenital Anomalies: Definitions	
<i>Anencephalus</i>	Absence of the cerebral hemispheres.
<i>Spina Bifida/ Meningocele</i>	Developmental anomaly characterized by defective closure of the bony encasement of the spinal cord, through which the cord and meninges may or may not protrude.
<i>Hydrocephalus</i>	Excessive accumulation of cerebrospinal fluid within the ventricles of the brain with consequent enlargement of the cranium.
<i>Microcephalus</i>	A significantly small head.
<i>Other Central Nervous System</i>	Other specified anomalies of the brain, spinal cord, and nervous system.
<i>Heart Malformations</i>	Congenital anomalies of the heart.
<i>Other Circulatory/ Respiratory</i>	Other specified anomalies of the circulatory and respiratory systems.
<i>Rectal Atresia/ Stenosis</i>	Congenital absence, closure, or narrowing of the rectum.
<i>Tracheo-Esophageal Fistula/Esophageal Atresia</i>	An abnormal passage between the trachea and the esophagus; esophageal atresia is the congenital absence or closure of the esophagus.
<i>Omphalocele/ Gastroschisis</i>	An omphalocele is a protrusion of variable amounts of abdominal viscera from a midline defect at the base of the umbilicus. In gastroschisis, the abdominal viscera protrude through an abdominal wall defect, usually on the right side of the umbilical cord insertion.
<i>Other Gastrointestinal</i>	Other specified congenital anomalies of the gastrointestinal system.
<i>Malformed Genitalia</i>	Congenital anomalies of the reproductive organs.
<i>Renal Agenesis</i>	One or both kidneys are completely absent.

<i>Other Urogenital</i>	Other specified congenital anomalies of the organs concerned in the production and excretion of urine, together with organs of reproduction.
<i>Cleft Lip/Palate</i>	Cleft lip is a fissure or elongated opening of the lip; cleft palate is a fissure in the roof of the mouth. These are failures of embryonic development.
<i>Polydactyly/Syndactyly, Adactyly</i>	Polydactyly is the presence of more than five digits on either hands and/or feet; syndactyly is having fused or webbed fingers and/or toes; adactyly is the absence of fingers and/or toes.
<i>Clubfoot</i>	Deformity of the foot, which is twisted out of shape or position.
<i>Diaphragmatic Hernia</i>	Herniation of the abdominal contents through the diaphragm into the thoracic cavity, usually resulting in respiratory distress.
<i>Other Musculo-Skeletal/Integumental</i>	Other specified congenital anomalies of the muscles, skeleton, or skin.
<i>Down Syndrome</i>	The most common chromosomal defect, with most cases resulting from an extra chromosome (trisomy 21).
<i>Other Chromosomal</i>	All other chromosomal aberrations.

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