2001

Wisconsin
Births and Infant Deaths

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

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Introduction

This report presents information about births that occurred in 2001 to Wisconsin residents. Information from previous years is also presented to show changes over time. Information is included on the number and rate of live births; demographic characteristics of the mother, such as age, race, marital status, education and number of previous births; characteristics of pregnancy and delivery, including the trimester that prenatal care began, number of visits, 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 gestation who were stillborn.

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

The indicators included in this report have been selected based on their availability from birth and infant death records and their use in identifying health risks, as determined by national and international studies. The data files used are the Wisconsin resident birth certificate file, the matched birth-death file, and the fetal death file. The tables and graphics presented were designed to make these indicators easily accessible, while allowing users flexibility. Most tables include the frequencies of events or conditions, along with percentages or rates. In general, bar graphs show cross-sectional data for 2001 (and comparative information for 1991 or 1992); line graphs show time trends, and vary in the years shown for comparison.

Chapter 69 of the Wisconsin Statutes mandates the Department of Health and Family Services to supervise and direct the collection of birth data from hospitals and birth attendants. State law also requires the Department to protect the confidentiality of birth data, and to ensure that statistical information based on the data (such as that contained in this report) does not identify any individual. The Bureau of Health Information in the Department of Health and Family Services scrupulously follows written procedures to protect the confidential data entrusted to it.

The National Center for Health Statistics works with representatives of all 50 states to select the specific data items collected on the birth record. Data items are chosen for their usefulness in understanding and improving maternal and child health outcomes. A sample of the Wisconsin birth record is included in the Technical Notes (pages 100 and 101). Samples are also provided of the Wisconsin death certificate (page 102) and the Wisconsin report of fetal death (page 103).

Birth, death, hospitalization and other health-related statistical information for Wisconsin is also available through the Internet on the Department of Health and Family Services Web site, at http://www.dhfs.state.wi.us/stats. Trend tables of maternal and child health data for individual counties are available at http://www.dhfs.state.wi.us/ localdata/infantspgwomn/start.htm.

The Department of Health and Family Services produced this publication. Staff of the Division of Health Care Financing, Bureau of Health Information, Vital Records Section, Registration and Statistics Unit, collected and compiled the birth, infant death and fetal death records. Jan Silbaugh prepared the report and updated the narrative. Patricia Nametz edited the report. Wendy Hart provided technical assistance in creating the data sets. Draft review and comments were provided by Millie Jones, Director, Bureau of Family and Community Health, Division of Public Health; and by Randy Glysch in the Bureau of Health Information, Research and Methods Section. The report was prepared under the supervision of Lynnette Traas, Supervisor, Registration and Statistics Unit, and the overall direction of Sandra Breitborde, Director, and Vonnie Buske, Deputy Director, Bureau of Health Information.

The Bureau of Health Information 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.

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Key Findings

- In 2001, there were 69,012 live births to Wisconsin residents, 277 fewer than in 2000.

- The 2001 crude birth rate in Wisconsin was 12.7 births per 1,000 total population, slightly lower than the 2000 rate (12.9). The preliminary United States crude birth rate for 2001 was 14.5 per 1,000 total population. (The crude birth rate is the number of live births per 1,000 total population.)

- The 2001 general fertility rate of 59.0 births per 1,000 Wisconsin females aged 15-44 was lower than the United States 2001 preliminary general fertility rate of 67.2 (see Technical Notes, page 104, for source of U.S. data).

- In 2001, the fertility rate for Wisconsin teens aged 15-19 was 34.2 births per 1,000 females in this age group. This was slightly lower than the rate in 2000 (35.7). In 2001, the U.S. teen fertility rate was 45.9.

- Wisconsin age-specific fertility rates were also lower than national rates for women aged 20-29 and 35 and older, while the fertility rate among Wisconsin women aged 30-34 was slightly higher than the national rate (see page 8 of this report).

- From 1991 to 2001, the percent of births to women in their twenties decreased, while the percent of births to women in their thirties increased. The proportion of births to teens remained about the same.

- From 1991 to 2001, the proportion of Wisconsin births that were to non-Hispanic white women decreased from 84 percent to 78 percent, while the proportion of births to Hispanics increased from 3 percent to 7 percent. The proportion of births to women in other race/ethnicity groups remained roughly stable, with black women accounting for 9 to 10 percent, American Indian women 1 percent, and women in other groups 1 or 2 percent of births each year.

- In 2001, 30 percent of Wisconsin births were to unmarried women, compared to 25 percent in 1991. The Wisconsin nonmarital birth percentage in 2001 (30 percent) was the same as the national (30 percent).

- In 2001, 16 percent of Wisconsin women who gave birth had not finished high school (compared to 17 percent in 1991). Fifty-three percent of women who gave birth in 2001 had attended college for one year or more, compared to 42 percent in 1991.

- The overall proportion of women who received first-trimester prenatal care was 84 percent in 2001, compared with 81 percent in 1991. The proportion with first-trimester care increased among each age group and each race/ethnicity group.

- The proportion of women giving birth who reported they smoked during pregnancy decreased from 22 percent in 1992 to 16 percent in 2001.

- In 2001, 4,557 Wisconsin infants were low birthweight; that is, they weighed less than 2,500 grams (about 5.5 pounds) at birth. This total represented 6.6 percent of all births (6.5 percent in 2000). In comparison, 7.6 percent of all infants born in the United States in 2001 weighed less than 2,500 grams.

- Among these low birthweight infants, 885 were born at *very* low birthweight (less than 1,500 grams or about 3.3 pounds) and were thus at the highest risk for health problems. The very low birthweight percentage was 1.3 percent among all births, and 1.0 percent of births to whites, 3.7 percent of births to blacks, 1.5 percent of births to American Indians, 1.2 percent of births to Hispanics and 0.7 percent of births to Laotian/Hmong.

- In 2001, 7,433 Wisconsin infants were born prematurely (with a gestation of less than 37 weeks). This total represented 10.8 percent of all births (compared to 10.4 percent in 2000). (See Technical Notes, page 105, for full definition of prematurity.)

- In Wisconsin, 491 infants under the age of one year died in 2001. The 2001 infant mortality rate was 7.1 infant deaths per 1,000 live births, compared to 6.6 per 1,000 in 2000. The 2000 U.S. infant mortality rate (the latest available) was 6.9 infant deaths per 1,000 live births.

- The black infant mortality rate for 2001 (18.7 deaths per 1,000 births to black mothers) was higher than the comparable rate in 2000 (16.9), and the 1991 rate which was a low (14.0). The 2001 white infant mortality rate (5.7 deaths per 1,000 births to white mothers) was similar to the 2000 rate (5.6), but lower than the 1991 rate (7.7).

Ten Most Popular First Names for Newborns, Wisconsin, 2001

Females	Males
1. Emily	1. Jacob
2. Hannah	2. Samuel
3. Emma	3. Matthew
4. Olivia	4. Tyler
5. Grace	5. Nicholas
6. Megan	6. Ethan
7. Elizabeth	7. Joshua
8. Abigail	8. Benjamin
9. Alexis	9. Zachary
10. Samantha	10. Austin

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: This ranking counts each spelling as a separate name. The list would change somewhat if different spellings were grouped together and counted as one name. For example, counting Kaitlyn, Katelyn, Caitlin, Caitlyn and Kaitlin as one name would place it into the top ten list for 2001.

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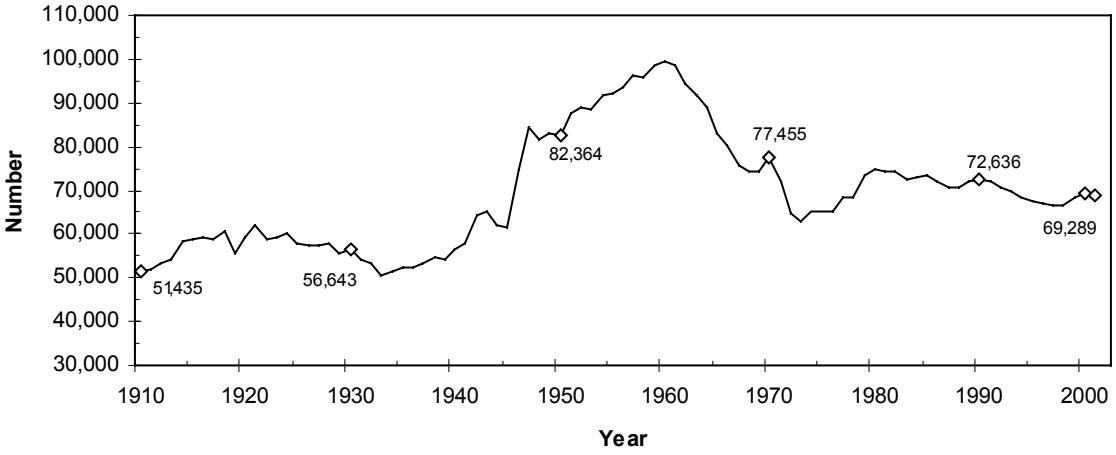
Birth and Fertility Rates

- In 2001 there were 69,012 births to Wisconsin residents, 277 fewer than in 2000.
- This marks a decline after three consecutive increases in the annual number of births. From 1991 to 1997 the number of births to Wisconsin residents declined annually.
- The 2001 crude birth rate was 12.7 births per 1,000 population, slightly lower than the 2000 rate (12.9). In comparison, the preliminary United States crude birth rate for 2001 was 14.5 births per 1,000 population. (The crude birth rate is the number of live births per 1,000 total population).
- The 2001 general fertility rate of 59.0 births per 1,000 Wisconsin females ages 15-44 was lower than the 2001 preliminary United States general fertility rate of 67.2 births per 1,000 females in this age group.

Figure 1. Number of Births to Wisconsin Residents, 1910-2001



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.
Note: A live birth is the complete expulsion or extraction of an infant from its mother, regardless of the duration of pregnancy, after which the infant breathes or shows other evidence of life, such as beating of the heart, pulsation of the umbilical cord or definite movement of voluntary muscles. Unless otherwise noted, all births referred to in this report are live births to Wisconsin residents.

- Wisconsin age-specific fertility rates are lower than the corresponding national rates for teens, women aged 20-29 and women aged 35 and older. Age-specific fertility rates are the number of births to a specific age group per 1,000 females in that age group.

- The fertility rate among Wisconsin women aged 30-34 is nearly identical to the national rate, based on United States 2001 preliminary statistics. (See Technical Notes, page 104, for source of U.S. data.)

Age-Specific Fertility Rates, Wisconsin and United States, 2001

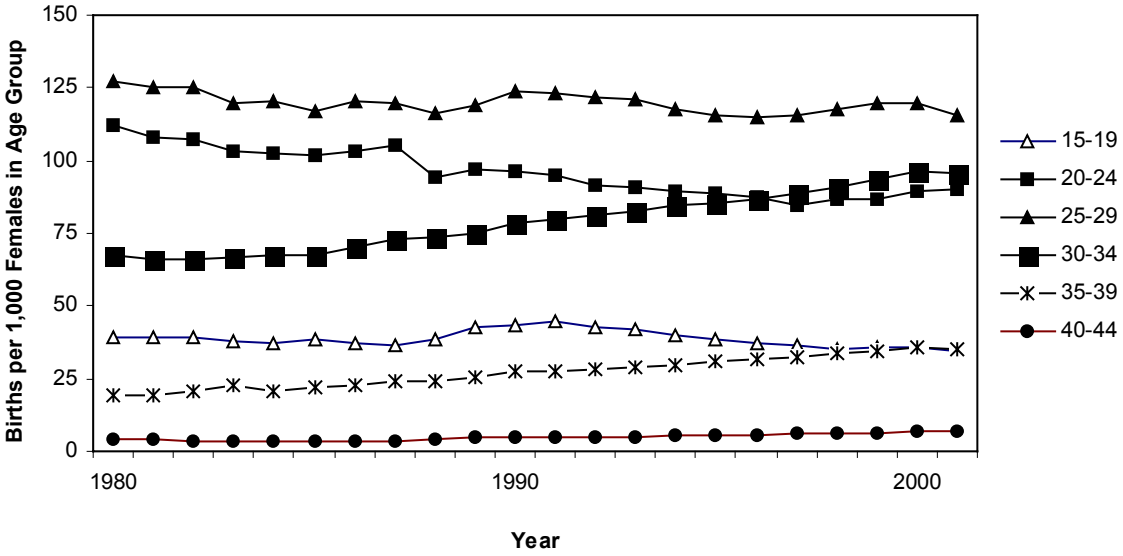
Age	Wisconsin Rate	U.S. Rate
15-19	34.2	45.9
15-17	18.8	25.3
18-19	56.9	75.8
20-24	90.2	110.2
25-29	115.8	121.8
30-34	95.5	95.6
35-39	35.2	41.4
40-44	7.0	8.1

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: Rates are the number of births per 1,000 females in the age group. Wisconsin rates for births to mothers ages 15-19 and 15-17 include 80 births to mothers less than 15 years old; the rate for mothers aged 40-44 includes 72 births to mothers aged 45 or older. U.S. rates for ages 15-19 and 15-17 do not include births to mothers less than 15 years old; the U.S. rate for ages 40-44 does not include births to mothers aged 45 or older.

- Compared with 1980, age-specific fertility rates in 2001 were:
    - Lower for teens, women aged 20-24, and women aged 25-29.
    - Higher for women aged 30-34 and 35 plus.

Figure 2. Age-Specific Fertility Rates, Wisconsin, 1980-2001



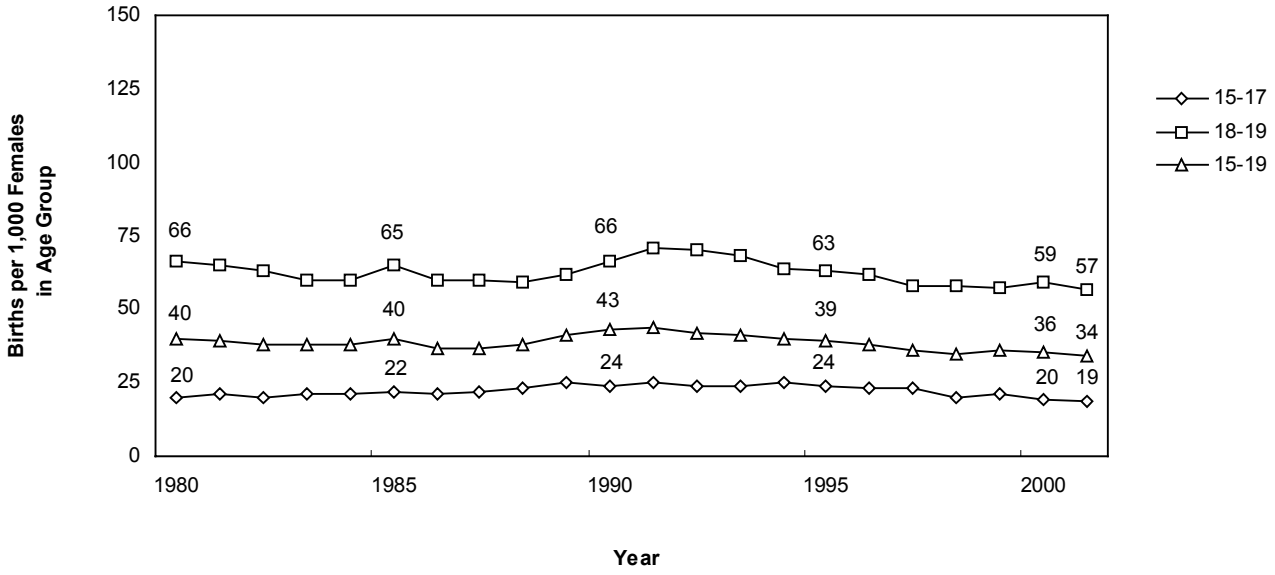
Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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

- In 2001, the fertility rate for Wisconsin teens aged 15-19 was 34.2 births per 1,000 females in this age group. This was slightly lower than the rate in 2000 (35.7).

- For many years the Wisconsin teen fertility rate has been lower than the comparable national rate. In 2001, the U.S. teen fertility rate was 45.9.

Figure 3. Teen Birth Rates, Wisconsin, 1980-2001



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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

Characteristics of the Mother

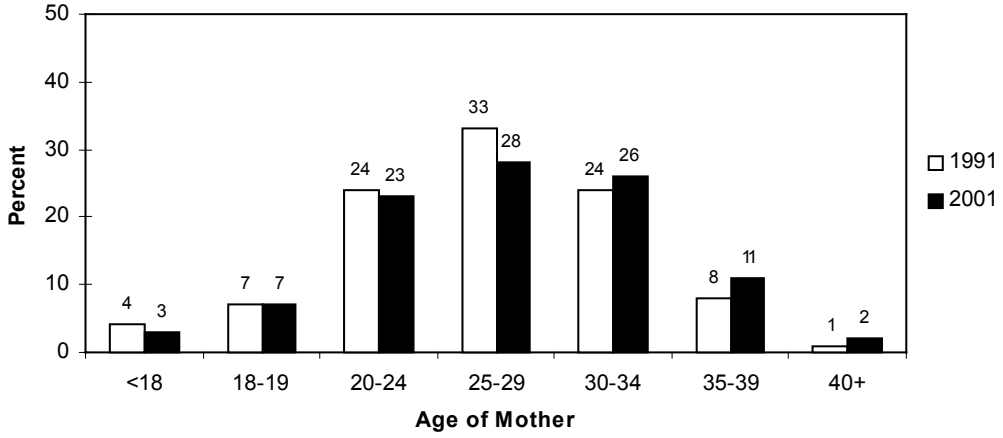
Age of Mother

Births in 2001 included:

80	births to teens less than 15 years old
2,167	births to teens 15-17 years old
4,602	births to teens 18-19 years old
15,951	births to women aged 20-24
19,176	births to women aged 25-29
17,745	births to women aged 30-34
7,737	births to women aged 35-39
1,480	births to women aged 40-44
72	births to women aged 45 or older
2	births with unreported maternal age.

- From 1991 to 2001, the percent of births to women in their twenties decreased, while the percent of births to women in their thirties increased (see Figure 4). The proportion of births to teens remained about the same.

Figure 4. Percent of Births by Age of Mother, Wisconsin, 1991 and 2001



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: For detailed information on 2001 births by age of mother, see Supplementary Tables A1 and A2, pages 86 and 87.

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 1991.

Teen Births by Age, Wisconsin, 1991 and 2001

Maternal Age (Teens)	1991 Number	1991 Percent	2001 Number	2001 Percent
<15	147	2%	80	1%
15-17	2,440	33	2,167	32
18-19	4,828	65	4,602	67
Total <20	7,415	100%	6,849	100%

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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

- Non-Hispanic whites make up the largest number of teen births in the state (3,749 in 2001).
- Teen births represented 9.9 percent of all births, and a higher proportion of births to blacks, American Indians, Hispanics, and Laotian/Hmong.

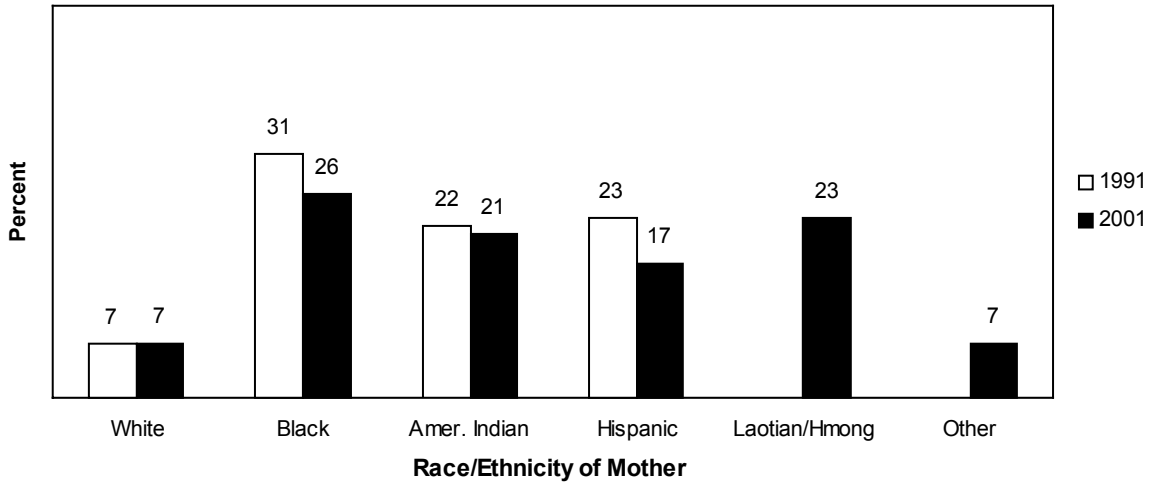
Teen Births by Race/Ethnicity, Wisconsin, 2001

Race/Ethnicity	Number of Births Total	Number of Births Teens (<20)	Percent of Births Teens (<20)	Percent of Births Ages 20+	Percent of Births Total
Total	**69,012**	**6,849**	**9.9%**	**90.1%**	**100.0%**
White	53,969	3,749	6.9	93.1	100.0
Black/African American	6,467	1,665	25.7	74.2	100.0
American Indian	916	189	20.6	79.4	100.0
Hispanic/Latino	5,145	900	17.5	82.5	100.0
Laotian/Hmong	1,046	240	22.9	77.1	100.0
Other	1,446	103	7.1	92.9	100.0

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.
Note: Included in the total are 23 births for which race/ethnicity of mother was not reported; 3 of these were to mothers under 20 years of age.

- In 2001 compared to 1991, teen births represented a smaller proportion of births to blacks (26 percent vs. 31 percent) and Hispanics (17 percent vs. 23 percent).

Figure 5. Births to Teens as a Percent of Total Births, by Race/Ethnicity, Wisconsin, 1991 and 2001



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. There are no comparable 1991 data available for the Laotian/Hmong or Other groups.

- In 2001, 10 percent of teen births occurred less than 24 months since a previous birth. Eight percent of teen births occurred 24-plus months since a previous birth, and 82 percent were first births.

Teen Births by Interval in Months Since Last Live Birth, Wisconsin, 2001

Birth Interval	All Ages	All Teens (<20)	<18	18-19	All Ages	All Teens (<20)	<18	18-19
Total	**69,012**	**6,849**	**2,247**	**4,602**	**100.0%**	**100.0%**	**100.0%**	**100.0%**
First Birth	28,314	5,603	2,054	3,549	41.0	81.8	91.4	77.1
1-11 Months	527	75	22	53	0.8	1.1	1.0	1.2
12-17 Months	3,630	313	54	259	5.3	4.6	2.4	5.6
18-23 Months	5,945	283	49	234	8.6	4.1	2.2	5.1
24 Plus Months	29,535	529	55	474	42.8	7.7	2.4	10.3
Plural Delivery	1,061	46	13	33	1.5	0.7	0.6	0.7

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: Included in the total for all ages are 2 births for which age of mother was not reported. The "plural delivery" row includes those births in each multiple birth that are second or higher birth position. For example, in a twin delivery, the first-born twin is included in the birth interval distribution (months since last live birth) and the second-born twin is included in the "plural delivery" row.

Race/Ethnicity of Mother

- In 2001, 53,969 births (78.2%) were to non-Hispanic white women. This percentage continues a gradual decline that began over 30 years ago (it was 93% in 1971).
- 6,467 births (9.4%) were to non-Hispanic black women. The percent of births to black women has been fairly stable since 1991.
- 916 births (1.3%) were to American Indian women. This proportion has been stable for the past decade.
- 5,145 births (7.5%) were to Hispanic women. Since 1991, this group has represented an increasing proportion of births.
- 1,046 births (1.5%) were to Laotian/Hmong women.
- An additional 1,446 births (2.1%) were to women in other racial/ethnic groups (mostly Asian).

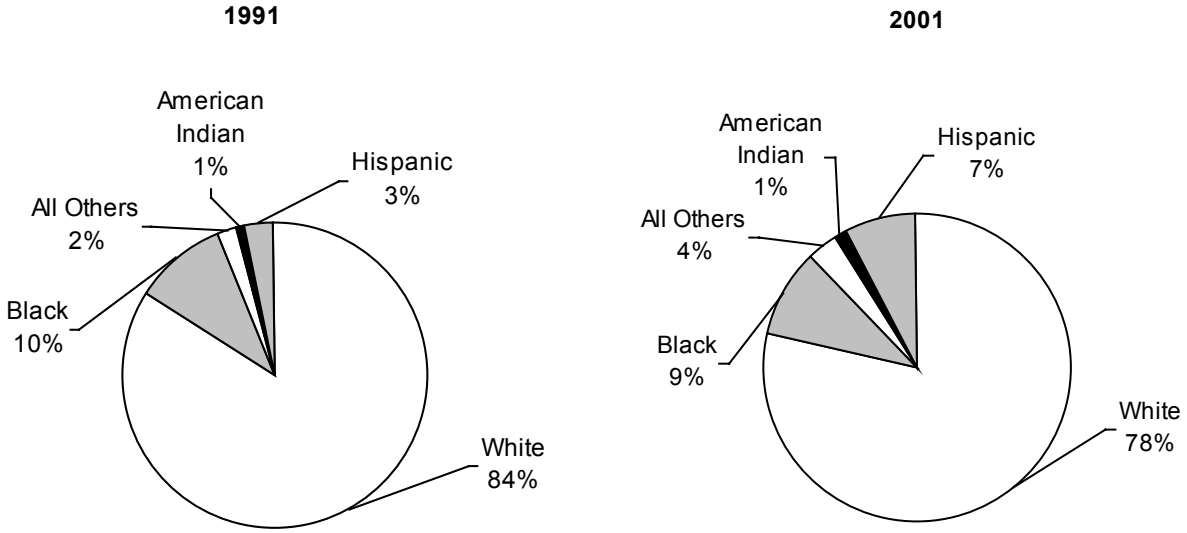
Number and Percent of Births by Race/Ethnicity, Wisconsin, 1991 and 2001

	1991		2001	
	Number	Percent	Number	Percent
Total	**72,039**	**100.0%**	**69,012**	**100.0%**
White	60,396	83.8	53,969	78.2
Black/African American	7,146	9.9	6,467	9.4
American Indian	836	1.2	916	1.3
Hispanic/Latino	1,944	2.7	5,145	7.5
Laotian/Hmong			1,046	1.5
Other			1,446	2.1
Unknown	11		23	0.0

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: There are no comparable data for 1991 for the Laotian/Hmong and "other" groups.

Figure 6. Percent of Births by Race/Ethnicity of Mother, Wisconsin, 1991 and 2001



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. For detailed information on 2001 births by race of mother, see Supplementary Tables B1 and B2, pages 88, 89, 90 and 91. Percents may not add to 100 due to rounding.

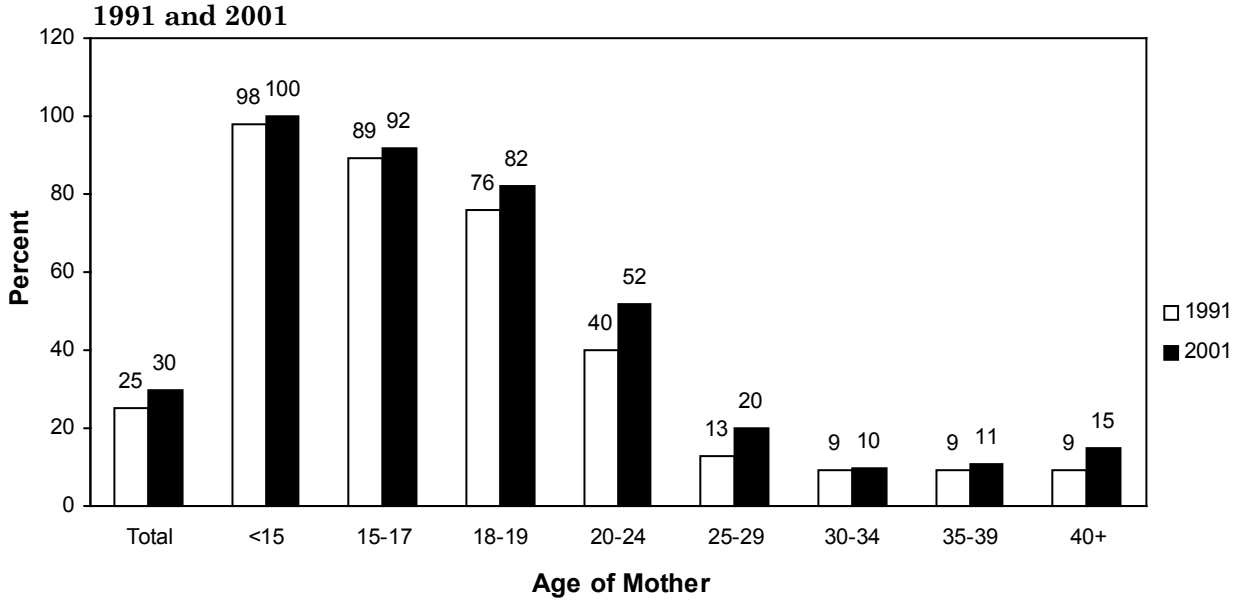
Marital Status of Mother

- In 2001, 30 percent of births were to unmarried women, compared with 25 percent in 1991.

- In general, the percent of mothers who are unmarried decreases with age. Eighty-two percent of those 18 to 19 years old giving birth in 2001 were unmarried, compared with only 10 percent of those aged 30-34.

- Between 1991 and 2001, the unmarried percentage increased in every maternal age group. The largest increase occurred among mothers aged 20-24 (from 40 to 52 percent—12 percentage points).

Figure 7. Percent of Births to Unmarried Mothers, by Age, Wisconsin, 1991 and 2001

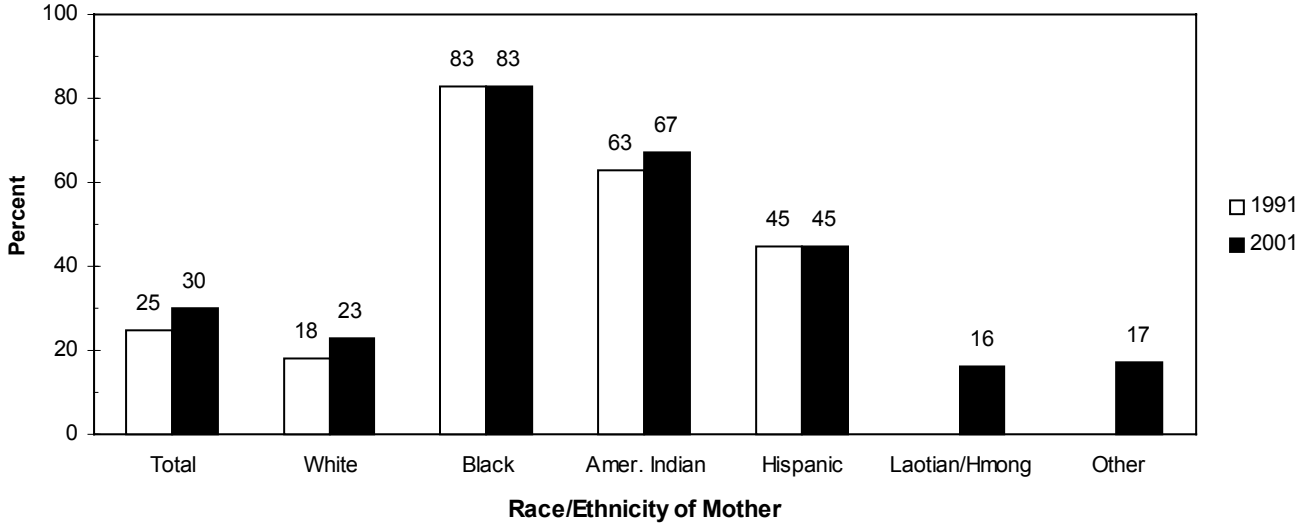


Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

- From 1991 to 2001, the percent of nonmarital births increased among whites and American Indians, and remained stable among blacks and Hispanics.

- The Wisconsin percentage of births to unmarried mothers in 2001 (30%) was lower than the national percent (33%). However, the percentage of births to unmarried mothers was higher in Wisconsin than nationally among blacks (83% vs. 68%) and Hispanics (45% vs. 42%).

Figure 8. Percent of Births to Unmarried Mothers, by Race/Ethnicity, Wisconsin, 1991 and 2001



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. There are no comparable 1991 data for the Laotian/Hmong or Other groups.

Education of Mother

- In 2001, 16 percent of women who gave birth had not finished high school (compared with 17 percent in 1991). This proportion varied by age so that the percentages with less than a high school education in 2001 were:

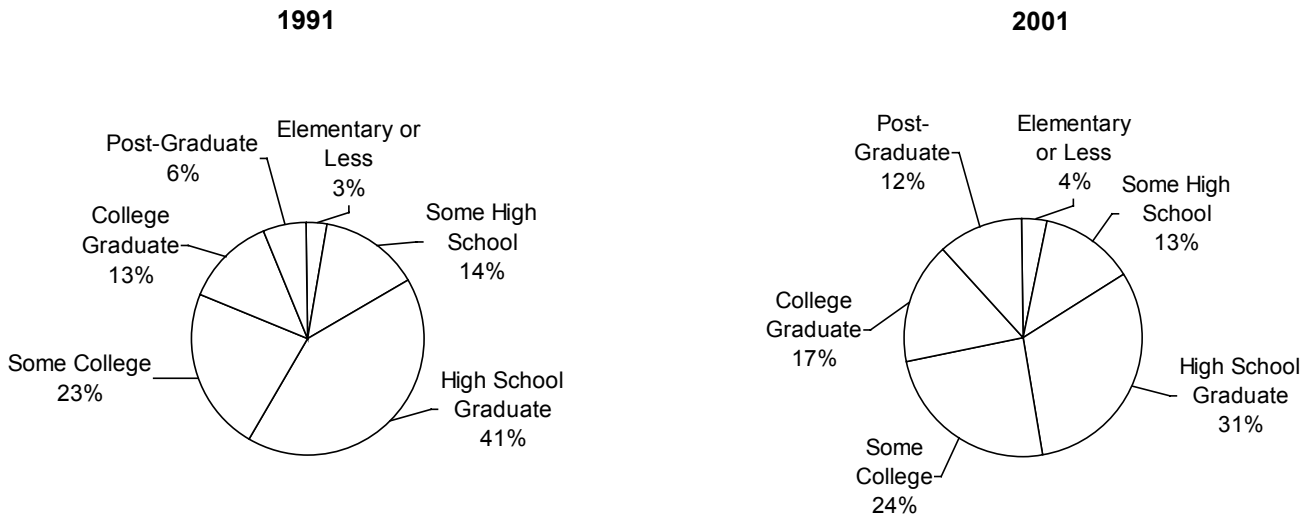
93%	among mothers less than 18
44%	among mothers 18-19
23%	among mothers 20-24
10%	among mothers 25-29
6%	among mothers 30-34
7%	among mothers 35-39
9%	among mothers 40 or older

- On average, mothers in minority race/ethnicity groups were less likely to have completed high school. In 2001, the proportions of births to women with less than a high school education were:

10%	among whites
40%	among blacks
31%	among American Indians
51%	among Hispanics
41%	among Laotian/Hmong
10%	among other race/ethnicity groups

- Fifty-three percent of women who gave birth in 2001 had attended college for one year or more. The comparable percentage in 1991 was 42 percent.

Figure 9. Percent of Births by Education of Mother, Wisconsin, 1991 and 2001



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

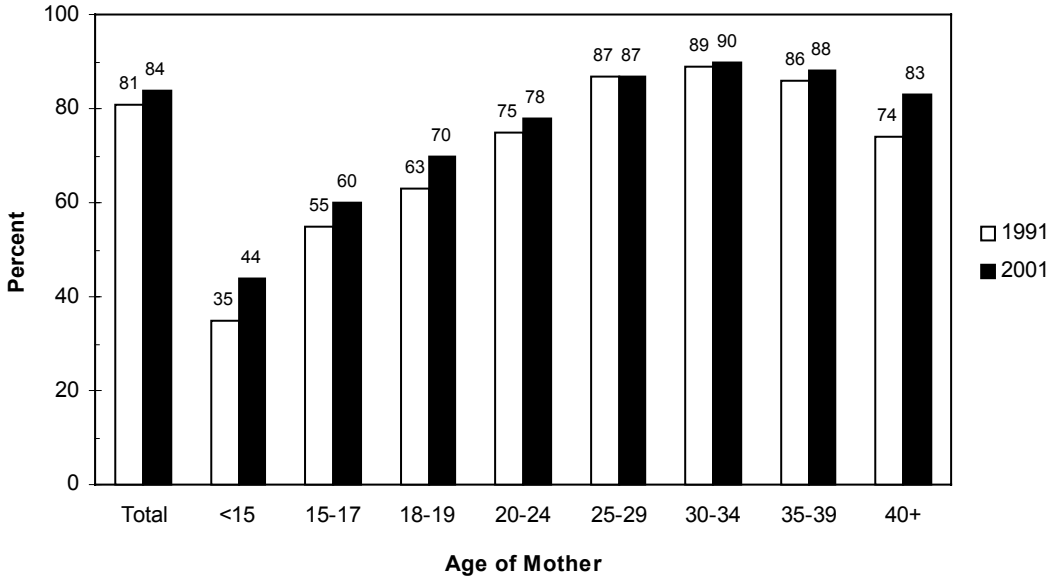
Notes: "Some High School" or "Some College" means the mother completed at least one year of schooling at that level. For detailed information on 2001 births by education of mother, see Supplementary Tables A-C, pages 86 to 92. Percents may not add to 100 due to rounding.

Characteristics of the Pregnancy and Delivery

Prenatal Care

- The overall proportion of women who received first-trimester prenatal care was 84 percent in 2001, compared with 81 percent in 1991.
- In 2,265 births in 2001, the mother either did not begin prenatal care until the third trimester of pregnancy (1,715 births) or received no care at all (550 births). These births with "late or no prenatal care" constituted 3.3 percent of all births (down from 3.8 percent in 1991).
- Teenage mothers and mothers age 40 and older were more likely to receive first-trimester care in 2001 than in 1991.
- The percent of Wisconsin women who received first-trimester prenatal care in 2001 (84%) was similar to the 2001 preliminary national figure (83%).

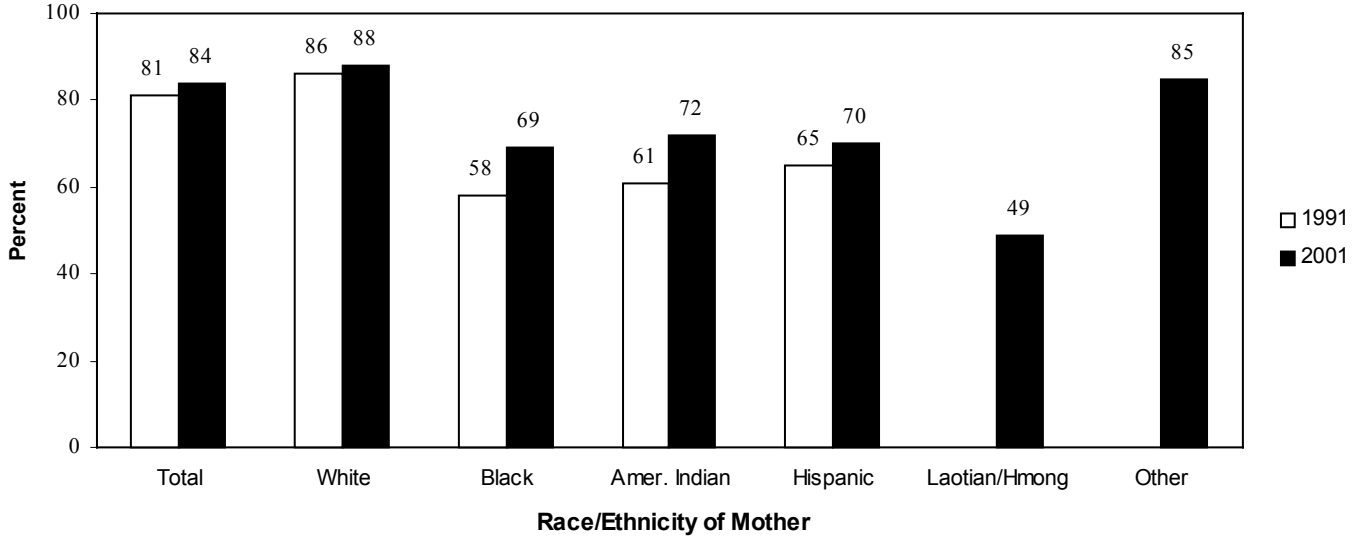
Figure 10. Percent of Births to Mothers Who Received First-Trimester Prenatal Care, by Age, Wisconsin, 1991 and 2001



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

- From 1991 to 2001, the proportion of women receiving first-trimester care increased within each race/ethnicity group. The increase was especially striking among African American and American Indian women.

Figure 11. Percent of Births to Mothers Who Received First-Trimester Prenatal Care, by Race/Ethnicity, Wisconsin, 1991 and 2001



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. There are no comparable 1991 data available for the Laotian/Hmong or Other groups.

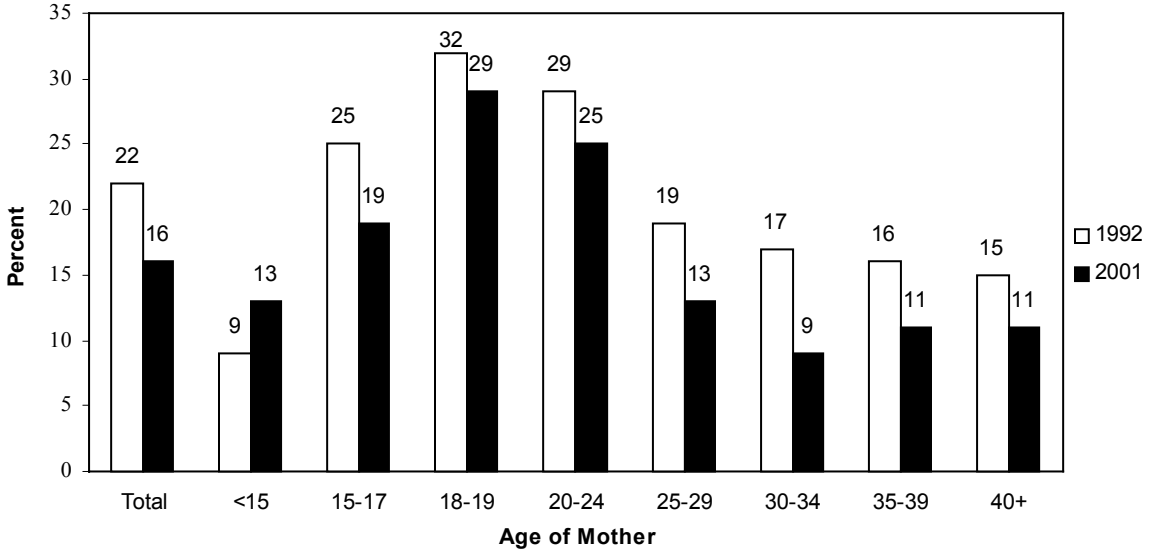
Cigarette Smoking

- Smoking during pregnancy poses risks for fetal development and infant health. Maternal smoking is associated with low birthweight in two ways: it slows fetal growth during gestation and increases the risk of a premature birth.

- The proportion of women who reported they smoked during pregnancy decreased from 22 percent in 1992 to 16 percent in 2001 (the same percent as in 2000).

- From 1992 to 2001, smoking during pregnancy declined in most maternal age groups. The only exception was found among the small group of mothers under 15 years of age.

Figure 12. Percent of Births to Mothers Who Reported Smoking Cigarettes During Pregnancy, by Age, Wisconsin, 1992 and 2001



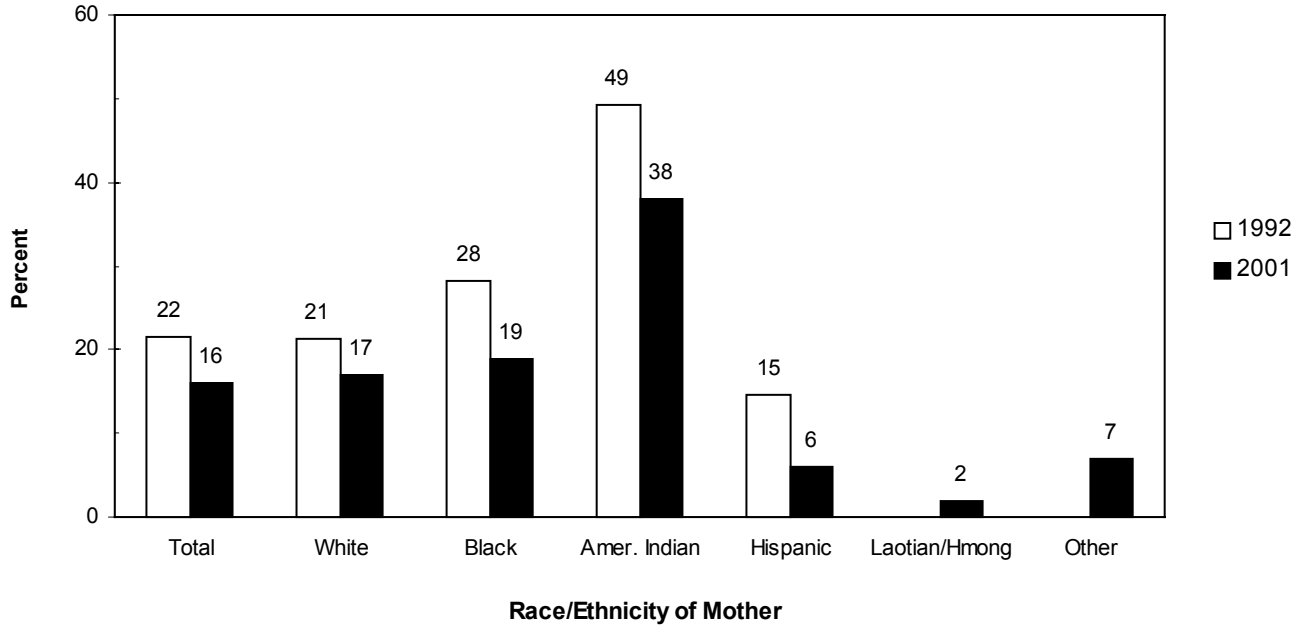
Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: A question about self-reported smoking during pregnancy was introduced on the 1989 birth certificate. Results of this question have been analyzed since 1992. For detailed information on 2001 births by smoking behavior during pregnancy, see Supplementary Tables A, B and C, pages 86 to 93.

- From 1992 to 2001, the percentage of mothers who reported smoking during pregnancy declined in each race/ethnicity group.

- No data are presented on mother's self-reported use of alcohol during pregnancy because this item appears to be under-reported on the birth reporting form. This conclusion is based on the inconsistency between birth certificate data (1.2% of mothers reported drinking during pregnancy in 2001) and the 2001 Behavioral Risk Factor Survey (71% of Wisconsin women aged 18-44 reported drinking within the past month).

Figure 13. Percent of Births to Mothers Who Reported Smoking Cigarettes During Pregnancy, by Race/Ethnicity, Wisconsin, 1992 and 2001



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. There are no comparable 1992 data available for the Laotian/Hmong or Other groups. For detailed information on 2001 births by smoking behavior during pregnancy, see Supplementary Tables A, B and C, pages 86 to 93.

Medical Risk Factors

The most frequently reported maternal medical risk factors reported for 2001 births were sexually transmitted diseases (reported in 5.8 percent of births), hypertension (5.8 percent), diabetes (4.0 percent), anemia (3.6 percent), and lung disease (3.5 percent).

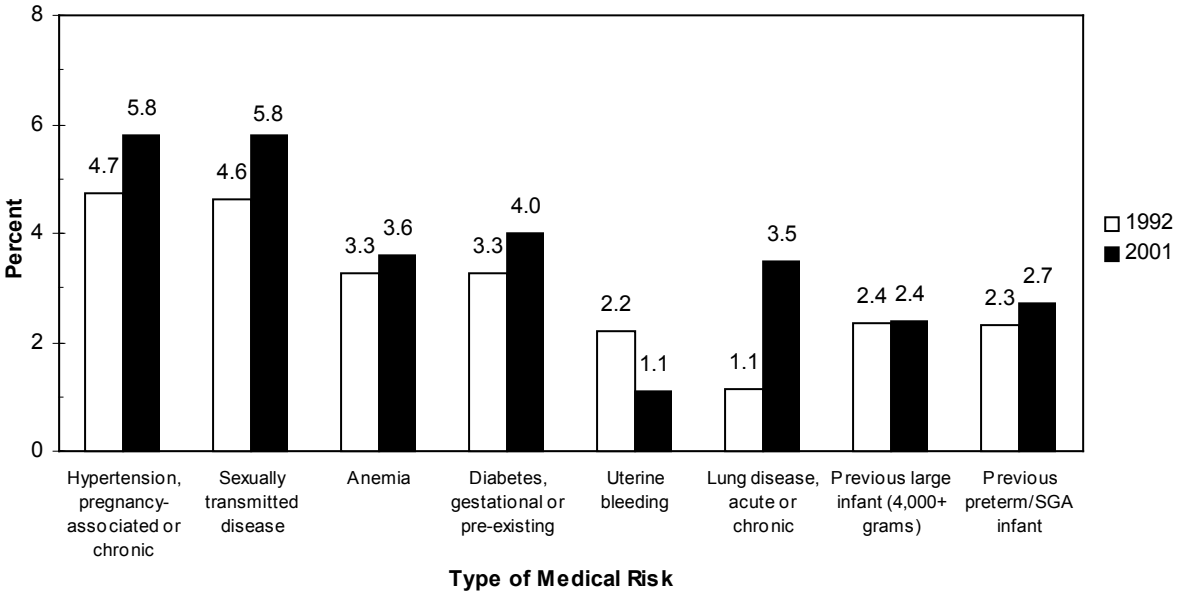
Births with Reported Medical Risk Factors, Wisconsin, 2001

	Number	Percent
Sexually Transmitted Diseases	4,016	5.8%
Hypertension	4,021	5.8
Pregnancy-Associated	3,359	4.9
Chronic	662	1.0
Diabetes	2,756	4.0
Gestational	2,377	3.4
Pre-Existing	379	0.5
Anemia	2,484	3.6
Lung Disease, Acute or Chronic	2,433	3.5
Previous Preterm/Small for Gestational Age Infant	1,853	2.7
Previous Large Infant (4,000+ grams)	1,622	2.4
Uterine Bleeding	771	1.1
Cardiac Disease	774	1.1
Hydramnios/Oligohydramnios	713	1.0
Renal Disease	393	0.6
Rh Sensitization	531	0.8
Eclampsia	207	0.3
Incompetent Cervix	242	0.4
Any Reported	27,711	40.2

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for definitions of maternal medical risk factors. Since more than one medical risk factor may be indicated for each birth, and since conditions in the "other" checkbox are not reported in this table, columns will not sum to the "any reported" line. The maternal medical risk factor checklist was introduced on the 1989 birth certificate. By 1992, this information was considered sufficiently well recorded and edited to be included in the annual reports.

Figure 14. Percent of Births with Selected Maternal Medical Risk Factors, Wisconsin, 1992 and 2001



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Methods of Delivery

In 2001, the following methods of delivery were reported:

Vaginal (no previous C-section)	53,197	77.1%
Primary C-Section	8,277	12.0
Repeat C-Section	4,893	7.1
Vaginal After Previous C-Section (VBAC)	1,463	2.1
Forceps	1,180	1.7
Other	2	0.0
Total	69,012	100.0%

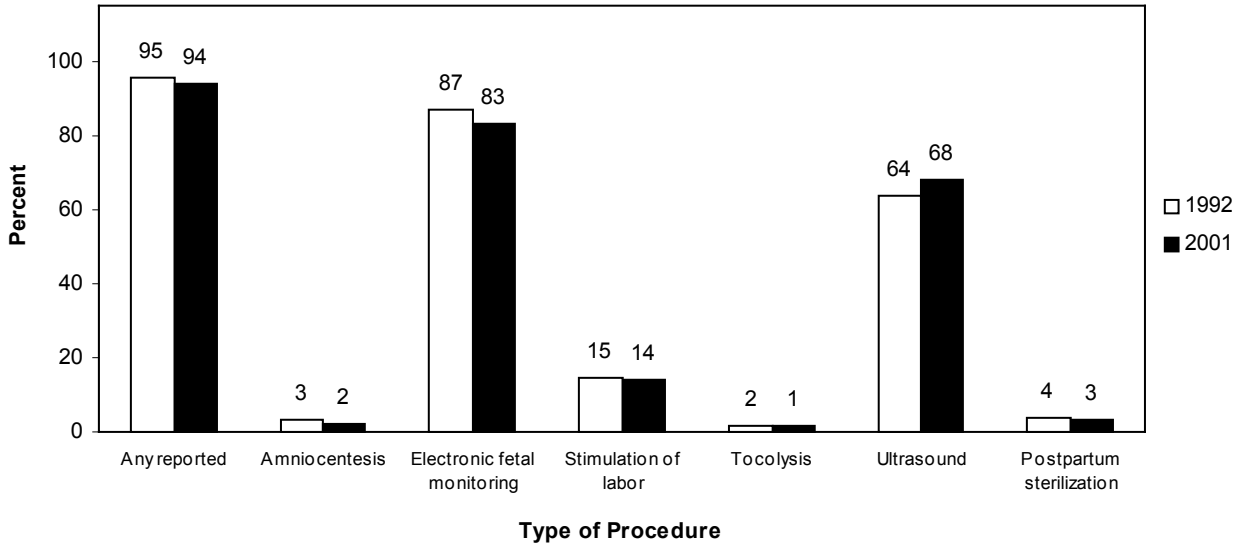
Obstetric Procedures

In 2001, births with reported obstetric procedures included:

Electronic fetal monitoring	57,474	83.3%
Ultrasound	47,259	68.5
Stimulation of labor	9,555	13.8
Amniocentesis	1,274	1.8
Postpartum sterilization	1,938	2.8
Tocolysis	905	1.3
Other Procedures	95	0.1
Births With Reported Procedure(s)	64,951	94.1

Notes: See Technical Notes for definitions of obstetric procedures. Each birth could have more than one type of procedure reported.
No data is presented on induction of labor because coding and reporting processes are being modified for this data item to address statistical discrepancies.

Figure 15. Percent of Births with Obstetric Procedures Reported, Wisconsin, 1992 and 2001



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Characteristics of the Newborn

Low Birthweight

- In 2001, 4,557 Wisconsin infants were low birthweight; that is, they weighed less than 2,500 grams (about 5.5 pounds) at birth. This total represented 6.6 percent of all births (6.5 percent in 2000). In comparison, 7.6 percent of all infants born in the United States in 2001 weighed less than 2,500 grams.

- Among these low birthweight infants, 885 were born at *very* low birthweight (less than 1,500 grams or about 3.3 pounds) and were thus at the highest risk for health problems. The very low birthweight percentage was 1.3 percent among all births, and 1.0 percent of births to whites, 1.2 percent of births to Hispanics, 3.7 percent of births to blacks, 1.5 percent of births to American Indians, and 0.7 percent of births to Laotian/Hmong.

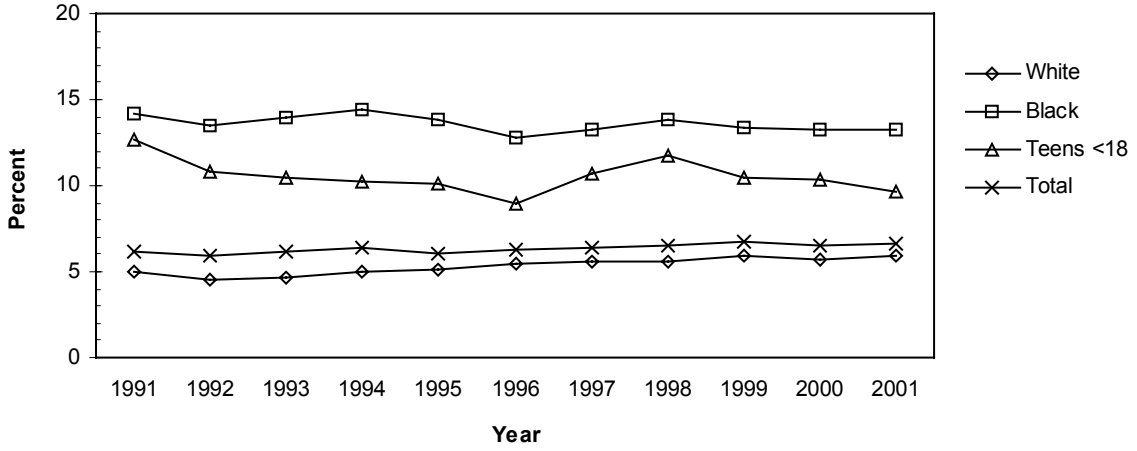
- Compared with the overall incidence of low birthweight in 2001 (6.6 percent), higher percentages of low-birthweight infants were born to:
  Mothers who received no prenatal care (23.8 percent),
  Non-Hispanic black women (13.3 percent),
  Women who smoked during pregnancy (10.7 percent),
  Girls less than 15 years old (10.0 percent),
  Women who were unmarried (9.3 percent).
  Women with less than a high school education (9.1 percent),

- From 1991 to 2001, the low-birthweight percentage among infants born to mothers less than 18 years of age fluctuated from a low of 10.2 percent in 1990 to a high of 12.7 percent in 1991. In 2001, this percentage was 9.6 (compared with 6.5 among mothers age 18 and older).

- Forty-one percent of premature infants were of low birthweight (see page 92).

- Twins or other multiple births made up 24 percent of all low-birthweight births in 2001.

Figure 16. Percent of Births at Low Birthweight (< 2,500 grams), Wisconsin, 1991-2001



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Prematurity

- In 2001, 7,433 Wisconsin infants were born prematurely (with a gestation of less than 37 weeks). This total represented 10.8 percent of all births (compared to 10.4 percent in 2000). (See Technical Notes, page 105, for full definition of prematurity.)

- Compared with the overall proportion of premature infants in 2001 (10.8 percent), higher percentages of premature infants were born to:
  Non-Hispanic black women (17.1 percent),
  Teenagers less than 18 years old (15.7 percent),
  Women who were unmarried (13.3 percent),
  Women with less than a high school education (13.2 percent),
  Women who smoked during pregnancy (12.9 percent),
  Laotian/Hmong women (11.3 percent).

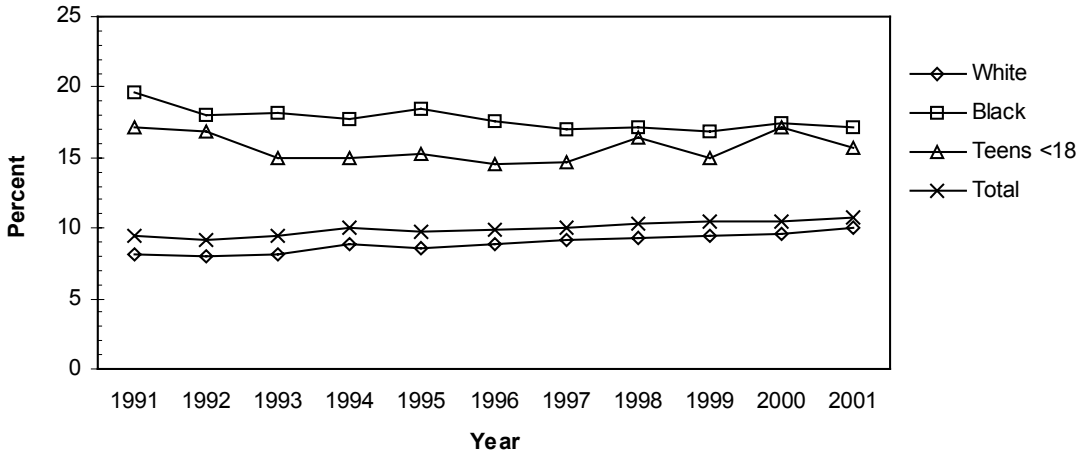
- Sixty-seven percent of low birthweight infants (birthweight under 2,500 grams) were premature.

- Twins or other multiple births made up 16.1 percent of all premature births in 2001. From 1991 to 2001, multiple births increased from 2.4 percent to 3.0 percent of all births.

- Prematurity increased from 6.3 percent of all births in 1991 to 10.8 percent of all births in 2001.

- Prematurity among infants born to mothers less than 18 years of age fluctuated from a low of 13.4 percent in 1991 to a high of 15.7 percent in 2001. (Prematurity among infants born to mothers 18 and older was 10.6 percent in 2001.)

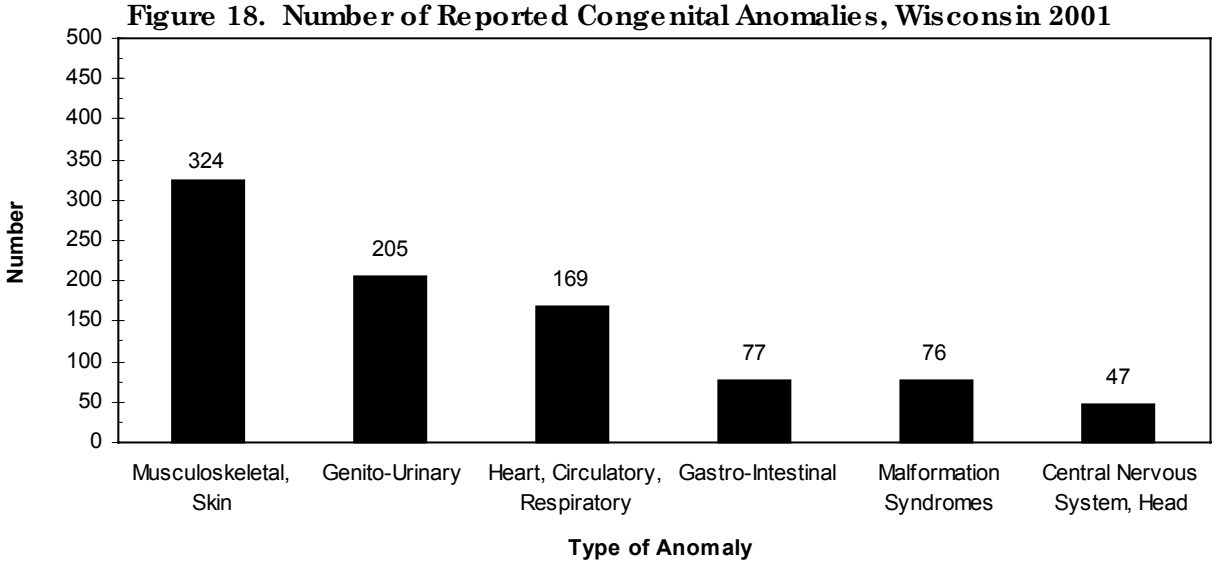
Figure 17. Percent of Premature Births, Wisconsin, 1991-2001



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.
Note: 'Premature' means less than 37 weeks of gestation. Since 1980, gestational age has been calculated as the difference between the date of last normal menses and the date of delivery. Since 1993, clinical estimate of gestation has been substituted where date of last normal menses is unknown. Data for 1991-1992 shown on this page were recalculated to make them comparable with data for subsequent years, and differ from previously published data.

Congenital Anomalies

Figure 18. Number of Reported Congenital Anomalies, Wisconsin 2001



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Reported Congenital Anomalies, Wisconsin 2001

Total Births With Reported Anomalies	**876**
Central Nervous System, Head	**47**
Anencephalus	6
Spina Bifida/Meningocele	17
Hydrocephalus	10
Microcephalus	10
Other Central Nervous System	15
Heart, Circulatory, Respiratory	**169**
Heart Malformations	128
Other Circulatory/Respiratory	48
Gastro-Intestinal	**77**
Rectal Atresia, Stenosis	15
Tracheo-Esophageal Fistula	10
Omphalocele, Gastroschisis	31
Other Gastrointestinal	21
Genito-Urinary	**205**
Malformed Genitalia	134
Renal Agenesis	15
Other Urogenital	58
Musculoskeletal/Skin	**324**
Cleft Lip, Palate	73
Polydactyly, Syndactyly, Adactyly	87
Club Foot	60
Diaphragmatic Hernia	11
Other Musculoskeletal/ Integumental	107
Malformation Syndromes	**76**
Down Syndrome	51
Other Chromosomal	25
All Other	**72**

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: These numbers reflect only those congenital anomalies that can be discerned at birth and are reported on the birth certificate. Many are not detected before the newborn is discharged from the hospital. Since more than one anomaly may be reported for each infant, the column does not add to total. This table is not comparable with congenital anomalies data published prior to 1989; see Technical Notes for explanation.

Mortality

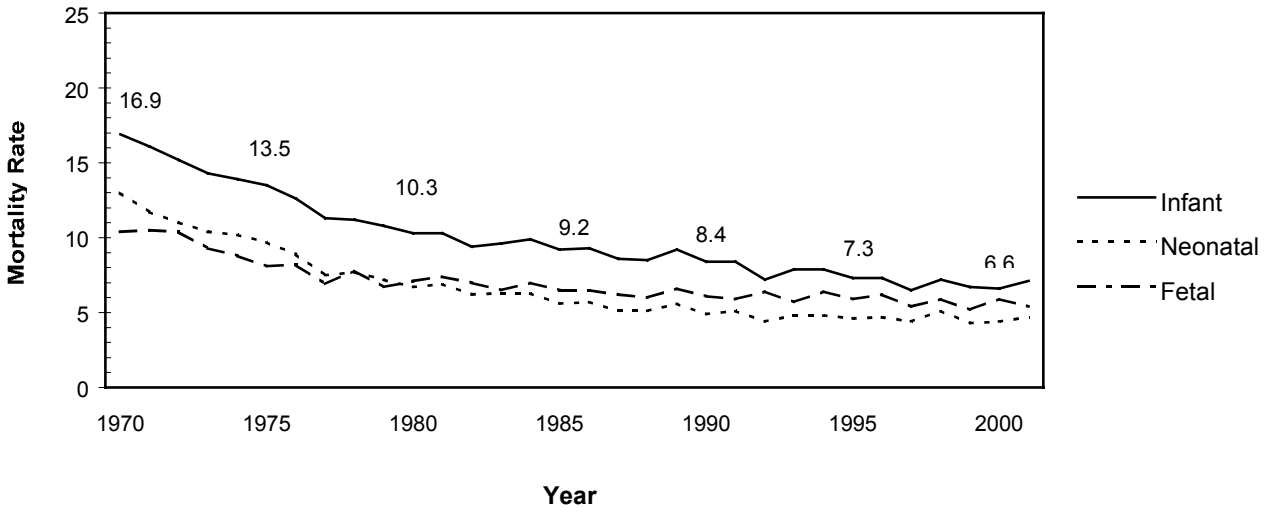
- In Wisconsin, 491 infants under the age of one year died in 2001. The 2001 infant mortality rate was 7.1 infant deaths per 1,000 live births, compared to 6.6 in 2000 and 8.4 in 1991. The 2000 U.S. infant mortality rate (the latest available data) was 6.9 infant deaths per 1,000 live births.

- There were 323 neonatal deaths (deaths of infants less than 28 days of age) in 2001, accounting for 66 percent of total infant deaths that year. The neonatal mortality rate in 2001 was 4.7 neonatal deaths per 1,000 live births, compared with 4.4 in 2000 and 5.1 in 1991. In the U.S. in 2000 (the latest available data), the neonatal mortality rate was 4.6 per 1,000 live births.

- The fetal death rate (fetal deaths per 1,000 live births and fetal deaths) was 5.4 in 2001. In comparison, the fetal death rate for 1991 was 5.9 per 1,000. (For the definition of "fetal death," see Technical Notes, page 105.)

- The black infant mortality rate for 2001 (18.7 deaths per 1,000 births to black mothers) was higher than the comparable rate in 2000 (16.9) and 1991 (14.0). The 2001 white infant mortality rate (5.7 deaths per 1,000 births to white mothers) was similar to the 2000 rate (5.6), but lower than the 1991 rate (7.7).

Figure 19. Infant, Neonatal, and Fetal Mortality Rates, 1970-2001



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

Notes: An infant death is one that occurs before one year of age. The infant death rate is the number of resident infant deaths divided by total resident live births times 1,000. For detailed information on 2001 infant, neonatal and fetal deaths, see Supplementary Table D, pages 96 and 97.

- Infants born to teenagers are at a higher risk of death than infants born to older mothers. In 2001, the infant mortality rate was 12.0 per 1,000 births among infants born to mothers aged less than 20, compared with 6.6 per 1,000 among infants born to women aged 20 and older.

- There were 4 maternal deaths in 2001; these are deaths attributed to pregnancy-related health conditions or events of delivery.

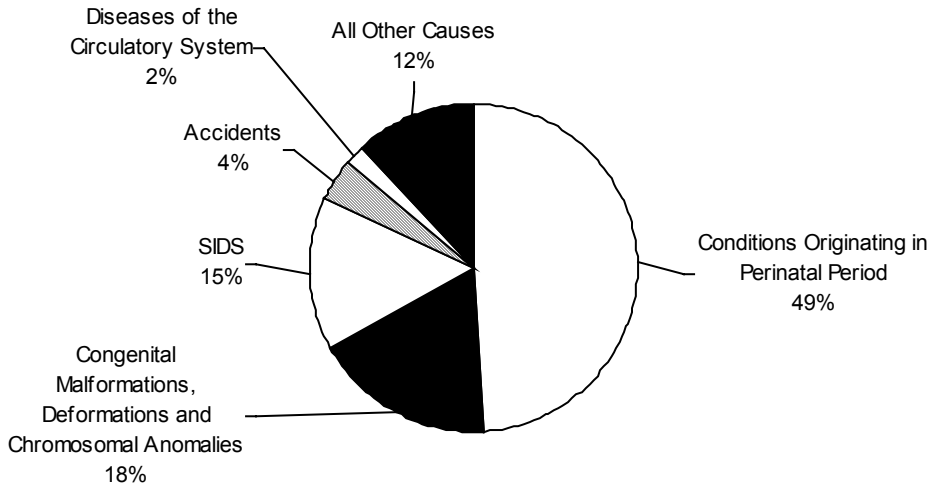
Causes of Infant Death

- "Conditions originating in the perinatal period" accounted for 49 percent of infant deaths in 2001. This category includes a variety of conditions that occur just before, during and after birth, such as pregnancy complications; complications of the placenta, cord and membranes; and unspecified prematurity and low birthweight.

- Congenital malformations, deformations and chromosomal anomalies accounted for about 18 percent of infant deaths in 2001.

- Fifteen percent of infant deaths in 2001 were attributed to Sudden Infant Death Syndrome (SIDS).

Figure 20. Leading Causes of Infant Death, 2001



Source: Resident birth certificates, matched birth-death file and fetal death file, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.
Note: Beginning with 1999 data, causes of death have been coded using the International Classification of Diseases, Tenth Revision (ICD 10). This may affect comparability with previous years for some categories of death. See Technical Notes, page 105.

Table 1. Population, Births by Sex, Crude and General Fertility Rates by County of Residence, Wisconsin 2001

County	Population Estimates	Total Births	Male	Female	Crude Birth Rate	General Fertility Rate
Total	**5,420,340**	**69,012**	**35,051**	**33,960**	**12.7**	**59.0**
Adams	19,696	179	92	87	9.1	55.6
Ashland	16,921	190	109	81	11.2	53.1
Barron	45,484	472	248	224	10.4	53.0
Bayfield	15,167	135	72	63	8.9	50.4
Brown	230,000	3,232	1,635	1,597	14.1	61.6
Buffalo	13,898	143	71	72	10.3	53.5
Burnett	15,966	155	79	76	9.7	58.7
Calumet	41,823	597	285	312	14.3	65.1
Chippewa	56,164	672	345	327	12.0	59.3
Clark	33,940	518	257	261	15.3	80.3
Columbia	53,359	651	318	333	12.2	61.8
Crawford	17,227	199	95	104	11.6	63.2
Dane	434,568	5,520	2,802	2,718	12.7	50.9
Dodge	86,767	926	454	472	10.7	54.7
Door	28,397	262	118	144	9.2	53.0
Douglas	43,610	513	261	252	11.8	55.4
Dunn	40,542	445	220	225	11.0	45.8
Eau Claire	94,082	1,146	620	526	12.2	49.8
Florence	5,110	40	20	20	7.8	43.9
Fond du Lac	98,194	1,091	573	518	11.1	51.8
Forest	10,042	100	46	54	10.0	56.5
Grant	49,845	547	272	275	11.0	54.0
Green	34,106	397	199	198	11.6	58.0
Green Lake	19,256	230	126	104	11.9	65.3
Iowa	23,117	310	153	157	13.4	64.4
Iron	6,839	48	21	27	7.0	41.4
Jackson	19,284	205	83	122	10.6	59.2
Jefferson	75,852	914	458	456	12.1	56.4
Juneau	24,726	252	123	129	10.2	54.8
Kenosha	152,350	2,119	1,100	1,019	13.9	62.3
Kewaunee	20,377	243	119	124	11.9	59.6
La Crosse	108,013	1,260	656	604	11.7	48.3
Lafayette	16,190	200	94	106	12.4	62.1
Langlade	20,891	213	108	105	10.2	55.4
Lincoln	29,905	329	172	157	11.0	56.5
Manitowoc	83,085	908	476	432	10.9	55.4
Marathon	126,857	1,534	775	759	12.1	58.1

(Continued)

Table 1. Population, Births by Sex, Crude and General Fertility Rates by County of Residence, Wisconsin 2001

County	Population Estimates	Total Births	Male	Female	Crude Birth Rate	General Fertility Rate
Marinette	43,628	386	213	173	8.8	46.3
Marquette	15,335	162	92	70	10.6	66.0
Menominee	4,622	93	54	39	20.1	100.2
Milwaukee	937,247	14,727	7,486	7,241	15.7	68.7
Monroe	41.503	593	310	283	14.3	72.1
Oconto	36,504	392	201	191	10.7	54.6
Oneida	37,144	278	148	130	7.5	42.2
Outagamie	164,310	2,244	1,157	1,087	13.7	61.2
Ozaukee	83,509	867	426	441	10.4	52.2
Pepin	7,310	88	39	49	12.0	63.6
Pierce	37.405	383	190	193	10.2	40.0
Polk	42,304	508	246	262	12.0	62.4
Portage	67,557	743	351	392	11.0	45.8
Price	15,748	139	73	66	8.8	50.7
Racine	190,025	2,581	1,307	1,274	13.6	64.2
Richland	18,118	204	102	102	11.3	59.2
Rock	153.758	2.028	1.045	983	13.2	61.9
Rusk	15,377	185	85	100	12.0	66.5
St. Croix	66,154	912	475	437	13.8	61.7
Sauk	56,164	701	370	331	12.5	61.5
Sawyer	16,449	182	91	91	11.1	64.9
Shawano	41,078	462	221	241	11.2	58.5
Sheboygan	113.639	1.339	697	642	11.8	58.0
Taylor	19,714	246	120	126	12.5	62.2
Trempealeau	27,250	330	158	172	12.1	62.9
Vernon	28,411	377	188	189	13.3	72.4
Vilas	21,443	194	108	86	9.0	56.7
Walworth	94,803	1,136	583	553	12.0	53.7
Washburn	16.366	156	86	70	9.5	54.9
Washington	119,814	1,484	765	719	12.4	58.1
Waukesha	366,723	4,421	2,220	2,201	12.1	58.7
Waupaca	52,233	602	307	294	11.5	59.1
Waushara	23,531	232	110	122	9.9	57.4
Winnebago	157,836	1,851	924	927	11.7	52.0
Wood	75,685	891	448	443	11.8	57.6

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the total is 1 birth for which sex was not reported.
The crude birth rate is the number of resident live births divided by the resident population times 1,000. The general fertility rate is the number of resident live births divided by the number of females ages 15-44 times 1,000.
Population estimates are from the United States Census Bureau and the Wisconsin Department of Administration, Demographic Services Center. These estimates are provisional and subject to revision.

Table 2. Population, Births and Crude Birth Rates by Selected Places of Residence, Wisconsin 2001

City	Population Estimates	Births	Crude Birth Rate
Appleton	70,623	1,232	17.4
Beloit	35,931	582	16.2
Brookfield	38,823	275	7.1
Caledonia (T)	23,848	135	5.7
De Pere	20,777	330	15.9
Eau Claire	62,368	801	12.8
Fitchburg	20,815	159	7.6
Fond du Lac	42,411	598	14.1
Franklin	30,199	291	9.6
Green Bay	102,391	1,802	17.6
Greenfield	35,568	319	9.0
Janesville	60,483	920	15.2
Kenosha	90,963	1,729	19.0
La Crosse	51,604	588	11.4
Madison	210,377	3,000	14.3
Manitowoc	34,161	452	13.2
Menomonee Falls (V)	32,778	385	11.7
Mequon/Thiensville	25,882	207	8.0
Milwaukee	595,508	11,198	18.8
Mount Pleasant (T)	23,330	86	3.7
Muskego	21,491	240	11.2
Neenah/Menasha	40,903	652	15.9
New Berlin	38,652	470	12.2
Oak Creek	29,232	362	12.4
Oshkosh	63,225	758	12.0
Racine	81,665	1,710	20.9
Sheboygan	50,753	735	14.5
South Milwaukee	21,308	241	11.3
Stevens Point	24,698	315	12.8
Sun Prairie	21,013	404	19.2
Superior	27,387	325	11.9
Watertown	21,928	310	14.1
Waukesha	65,324	1,107	16.9
Wausau	38,654	566	14.6
Wauwatosa	47,179	533	11.3
West Allis	61,164	627	10.3
West Bend	28,353	450	15.9

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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

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

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2001

STATE TOTAL	**69,012**
Urban*	54,626
Balance of State	14,386
ADAMS	179
Rome (T)	13
Balance of County	166
ASHLAND	190
Ashland (C)	91
Balance of County	99
BARRON	472
Barron (C)	47
Rice Lake (C)	99
Rice Lake (T)	20
Balance of County	306
BAYFIELD	135
BROWN	3,232
Allouez (V)	145
Ashwaubenon (V)	130
Bellevue (T)	130
De Pere (C)	330
Green Bay (C)	1,802
Hobart (T)	50
Howard (V)	158
Ledgeview (T)	26
Pulaski (V) (Pt.)	45
Scott (T)	39
Suamico (T)	90
Balance of County	287
BUFFALO	143
Mondovi (C)	35
Balance of County	108
BURNETT	155
CALUMET	597
Appleton (C) (Pt.)	161
Brillion (C)	40
Chilton (C)	57
Harrison (T)	97
Kiel (C) (Pt.)	7
Menasha (C) (Pt.)	22
New Holstein (C)	39
Balance of County	174
CHIPPEWA	672
Bloomer (C)	44
Chippewa Falls (C)	193
Eagle Point (T)	24
Eau Claire (C) (Pt.)	25
Hallie (T)	59
Lafayette (T)	48
Balance of County	279
CLARK	518
Neillsville (C)	40
Balance of County	478
COLUMBIA	651
Columbus (C)	52
Lodi (C)	48
Lodi (T)	34
Pacific (T)	22
Portage (C)	134
Balance of County	361
CRAWFORD	199
Prairie du Chien (C)	85
Balance of County	114
DANE	5,520
Bristol (T)	25
Burke (T)	27
Cottage Grove (V)	91
Cottage Grove (T)	27
Cross Plains (V)	51
De Forest (V)	131
Dunn (T)	26
Fitchburg (C)	159
Madison (C)	3,000
Madison (T)	22
Marshall (V)	49
McFarland (V)	88
Middleton (C)	159
Middleton (T)	26
Monona (C)	55
Mount Horeb (V)	96
Oregon (T)	33
Oregon (V)	116
Pleasant Springs (T)	25
Springfield (T)	19
Stoughton (C)	188
Sun Prairie (C)	404
Verona (C)	97
Waunakee (V)	117
Westport (T)	18
Windsor (T)	56
Balance of County	415
DODGE	926
Beaver Dam (C)	242
Beaver Dam (T)	18
Columbus (C) (Pt.)	1
Fox Lake (T)	11
Horicon (C)	48
Mayville (C)	46
Watertown (C) (Pt.)	105
Waupun (C) (Pt.)	66
Balance of County	389
DOOR	262
Sevastopol (T)	16
Sturgeon Bay (C)	115
Balance of County	131
DOUGLAS	513
Superior (C)	325
Balance of County	188
DUNN	445
Menomonie (C)	153
Menomonie (T)	33
Balance of County	259
EAU CLAIRE	1,146
Altoona (C)	78
Eau Claire (C) (Pt.)	776
Pleasant Valley (T)	26
Seymour (T)	28
Washington (T)	39
Balance of County	199
FLORENCE	40
FOND DU LAC	1,091
Empire (T)	23
Fond du Lac (C)	598
North Fond du Lac (V)	49
Ripon (C)	74
Taycheedah (T)	31
Waupun (C) (Pt.)	33
Balance of County	283
FOREST	100

* Sum of incorporated places having a population of 2,500 or more according to the United States Census 2000.

(Continued)

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2001

GRANT	547
Boscobel (C)	42
Lancaster (C)	61
Platteville (C)	97
Balance of County	347
GREEN	397
Brodhead (C)	49
Monroe (C)	135
Balance of County	213
GREEN LAKE	230
Berlin (C) (Pt.)	72
Balance of County	158
IOWA	310
Dodgeville (C)	71
Mineral Point (C)	30
Balance of County	209
IRON	48
JACKSON	205
Black River Falls (C)	63
Brockway (T)	25
Balance of County	117
JEFFERSON	914
Ft. Atkinson (C)	147
Ixonia (T)	34
Jefferson (C)	104
Jefferson (T)	24
Koshkonong (T)	20
Lake Mills (C)	73
Oakland (T)	19
Waterloo (C)	44
Watertown (C) (Pt.)	205
Whitewater (C) (Pt.)	17
Balance of County	227
JUNEAU	252
Mauston (C)	53
Balance of County	199
KENOSHA	2,119
Bristol (T)	22
Kenosha (C)	1,729
Paddock Lake (V)	11
Pleasant Prairie (V)	123
Randall (T)	15
Salem (T)	60
Somers (T)	24
Twin Lakes (V)	71
Wheatland (T)	29
Balance of County	35
KEWAUNEE	243
Algoma (C)	39
Kewaunee (C)	31
Balance of County	173
LA CROSSE	1,260
Campbell (T)	17
Holland (T)	31
Holmen (V)	133
La Crosse (C)	588
Onalaska (C)	206
Onalaska (T)	55
Shelby (T)	29
West Salem (V)	70
Balance of County	131
LAFAYETTE	200
LANGLADE	213
Antigo (C)	131
Balance of County	82
LINCOLN	329
Bradley (T)	15
Merrill (C)	173
Merrill (T)	18
Tomahawk (C)	48
Balance of County	75
MANITOWOC	908
Kiel (C) (Pt.)	40
Manitowoc (C)	452
Manitowoc Rapids	9
Two Rivers (C)	120
Balance of County	287
MARATHON	1,534
Kronenwetter (T)	49
Marshfield (C) (Pt.)	8
Mosinee (C)	80
Rib Mountain (T)	37
Rothschild (V)	45
Wausau (C)	566
Weston (V)	94
Balance of County	655
MARINETTE	386
Marinette (C)	154
Peshtigo (C)	27
Peshtigo (T)	37
Stephenson (T)	8
Balance of County	160
MARQUETTE	162
Balance of County	162
MENOMINEE	93
Menominee (T)	93
MILWAUKEE	14,727
Bayside (V)(Pt.)	32
Brown Deer (V)	120
Cudahy (C)	225
Fox Point (V)	61
Franklin (C)	291
Glendale (C)	118
Greendale (V)	128
Greenfield (C)	319
Hales Corners (V)	70
Milwaukee (C) (Pt.)	11,198
Oak Creek (C)	362
Shorewood (V)	111
South Milwaukee (C)	241
St. Francis (C)	81
Wauwatosa (C)	533
West Allis (C)	627
West Milwaukee (V)	28
Whitefish Bay (V)	174
Balance of County	8
MONROE	593
Sparta (C)	146
Sparta (T)	18
Tomah (C)	147
Balance of County	282
OCONTO	392
Little Suamico (T)	51
Oconto (C)	74
Oconto Falls (C)	36
Pulaski (V) (Pt.)	2
Balance of County	229

(Continued)

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2001

ONEIDA	278
Minocqua (T)	32
Newbold (T)	13
Pelican (T)	15
Pine Lake (T)	17
Rhinelander (C)	90
Balance of County	111
OUTAGAMIE	2,244
Appleton (C) (Pt.)	1,037
Buchanan (T)	89
Center (T)	24
Ellington (T)	27
Freedom (T)	67
Grand Chute (T)	97
Greenville (T)	91
Kaukauna (C)	199
Kimberly (V)	99
Little Chute (V)	127
New London (C) (Pt.)	31
Oneida (T)	53
Seymour (C)	41
Balance of County	262
OZAUKEE	867
Cedarburg (C)	109
Cedarburg (T)	48
Fredonia (T)	18
Grafton (T)	38
Grafton (V)	128
Mequon (C)	174
Port Washington (C)	153
Saukville (V)	53
Thiensville (V)	33
Balance of County	113
PEPIN	88
PIERCE	383
Ellsworth (V)	23
Prescott (C)	63
River Falls (C) (Pt.)	98
Balance of County	199
POLK	508
Alden (T)	20
Amery (C)	51
Balance of County	437
PORTAGE	743
Hull (T)	34
Plover (V)	166
Stevens Point (C)	315
Stockton (T)	18
Balance of County	210
PRICE	139
Park Falls (C)	27
Balance of County	112
RACINE	2,581
Burlington (C) (Pt.)	158
Burlington (T)	70
Caledonia (T)	135
Dover (T)	20
Mt. Pleasant (T)	86
Norway (T)	62
Racine (C)	1,710
Raymond (T)	27
Sturtevant (V)	51
Union Grove (V)	75
Waterford (T)	75
Waterford (V)	62
Yorkville (T)	15
Balance of County	35
RICHLAND	204
Richland Center (C)	79
Balance of County	125
ROCK	2,028
Beloit (C)	582
Beloit (T)	41
Edgerton (C)	81
Evansville (C)	77
Fulton (T)	18
Janesville (C)	920
Janesville (T)	16
Milton (C)	83
Milton (T)	21
Rock (T)	6
Balance of County	174
RUSK	185
Ladysmith (C)	49
Balance of County	136
ST.CROIX	912
Baldwin (V)	43
Hudson (C)	246
Hudson (T)	64
New Richmond (C)	131
North Hudson (V)	15
River Falls (C) (Pt.)	42
Somerset (T)	43
St. Joseph (T)	22
Star Prairie (T)	33
Troy (T)	19
Balance of County	254
SAUK	701
Baraboo (C)	183
Prairie du Sac (V)	43
Reedsburg (C)	126
Sauk City (V)	42
Balance of County	307
SAWYER	182
Hayward (T)	43
Balance of County	139
SHAWANO	462
Pulaski (V) (Pt.)	1
Shawano (C)	110
Wescott (T)	38
Balance of County	313
SHEBOYGAN	1,339
Greenbush (T)	9
Howards Grove (V)	28
Lima (T)	22
Oostburg (V)	50
Plymouth (C)	85
Plymouth (T)	22
Sheboygan (C)	735
Sheboygan (T)	56
Sheboygan Falls (C)	83
Wilson (T)	15
Balance of	227

(Continued)

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2001

TAYLOR	246
Medford (C)	66
Balance of County	180
TREMPEALEAU	330
VERNON	377
Viroqua (C)	44
Balance of County	333
VILAS	194
Arbor Vitae (T)	23
Lac du Flambeau (T)	51
Lincoln (T)	12
Balance of County	108
WALWORTH	1,136
Bloomfield (T)	52
Burlington (C) (Pt.)	12
Delavan (C)	186
Delavan (T)	46
East Troy (T)	48
East Troy (V)	61
Elkhorn (C)	141
Geneva (T)	23
Lake Geneva (C)	155
Lyons (T)	29
Mukwonago (V) (Pt.)	1
Sugar Creek (T)	27
Whitewater (C) (Pt.)	84
Balance of County	271
WASHBURN	156
Spooner (C)	26
Balance of County	130
WASHINGTON	1,484
Addison (T)	39
Barton (T)	13
Erin (T)	42
Farmington (T)	30
Germantown (V)	199
Hartford (C)	177
Hartford (T)	28
Jackson (T)	45
Jackson (V)	80
Kewaskum (V)	60
Polk (T)	21
Richfield (T)	86
Slinger (V)	59
Trenton (T)	33
West Bend (C)	450
West Bend (T)	47
Balance of County	75
WAUKESHA	4,421
Brookfield (C)	275
Brookfield (T)	73
Delafield (C)	66
Delafield (T)	61
Eagle (T)	40
Elm Grove (V)	39
Genesee (T)	49
Hartland (V)	146
Lisbon (T)	76
Menomonee Falls (V)	385
Merton (T)	51
Mukwonago (T)	99
Mukwonago (V)	103
Muskego (C)	240
New Berlin (C)	470
Oconomowoc (C)	199
Oconomowoc (T)	69
Ottawa (T)	17
Pewaukee (C)	135
Pewaukee (V)	151
Summit (T)	35
Sussex (V)	189
Vernon (T)	45
Wales (V)	28
Waukesha (C)	1,107
Waukesha (T)	75
Balance of County	198
WAUPACA	602
Clintonville (C)	88
Dayton (T)	24
Farmington (T)	26
Mukwa (T)	11
New London (C) (Pt.)	110
Waupaca (C)	98
Balance of County	245
WAUSHARA	232
Berlin (C) (Pt.)	3
Balance of County	229
WINNEBAGO	1,851
Algoma (T)	41
Appleton (C) (Pt.)	34
Clayton (T)	21
Menasha (C) (Pt.)	214
Menasha (T)	155
Neenah (C)	416
Neenah (T)	23
Omro (C)	40
Oshkosh (C)	758
Oshkosh (T)	8
Balance of County	141
WOOD	891
Grand Rapids (T)	38
Marshfield (C) (Pt.)	220
Nekoosa (C)	49
Saratoga (T)	29
Wisconsin Rapids (C)	308
Balance of County	247

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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

Table 4. Births by County, City and Hospital of Occurrence, Wisconsin 2001

County	City	Hospital	Births
Ashland	Ashland	Memorial Medical Center	315
Barron	Cumberland	Cumberland Memorial Hospital	87
	Rice Lake	Lakeview Medical Center	410
	Barron	Barron Memorial Medical Center	84
Brown	Green Bay	Aurora BayCare Medical Center	53
	Green Bay	Bellin Health System	1,999
	Green Bay	St. Mary's Hospital Medical Center	495
	Green Bay	St. Vincent Hospital	1,614
Burnett	Grantsburg	Burnett Medical Center, Inc.	43
Chippewa	Chippewa Falls	St. Joseph's Hospital	439
Clark	Neillsville	Memorial Hospital, Inc.	33
Columbia	Columbus	Columbus Community Hospital, Inc.	123
	Portage	Divine Savior Healthcare	232
Crawford	Prairie du Chien	Prairie du Chien Memorial Hospital	192
Dane	Madison	Meriter Hospital, Inc.	3,537
	Madison	St. Mary's Hospital Medical Center	3,068
Dodge	Beaver Dam	Beaver Dam Community Hospitals-Hillside	390
	Watertown	Watertown Memorial Hospital	282
	Waupun	Waupun Memorial Hospital	79
Door	Sturgeon Bay	Door County Memorial Hospital	190
Dunn	Menomonie	Myrtle Werth Hospital	253
Eau Claire	Eau Claire	Luther Hospital	695
	Eau Claire	Sacred Heart Hospital	1,102
Fond du Lac	Fond du Lac	St. Agnes Hospital	981
	Ripon	Ripon Medical Center	60
Grant	Boscobel	Boscobel Area Health Care	53
	Lancaster	Grant Regional Health Center, Inc.	110
	Platteville	Southwest Health Center, Inc.	147
Green	Monroe	St. Clare Hospital/The Monroe Clinic	404
Green Lake	Berlin	Berlin Memorial Hospital	231
Iowa	Dodgeville	Upland Hills Health, Inc.	270
Jackson	Black River Falls	Black River Memorial Hospital	140
Jefferson	Ft. Atkinson	Ft Atkinson Memorial Health Services	435
Juneau	Mauston	Hess Memorial Hospital	218
Kenosha	Kenosha	Aurora Medical Center	808
	Kenosha	Kenosha Hospital and Medical Center	913
La Crosse	La Crosse	Gundersen Lutheran Medical Center	1,568
	La Crosse	Franciscan Skemp Healthcare	686
Lafayette	Darlington	Memorial Hospital of Lafayette County	41
Langlade	Antigo	Langlade Memorial Hospital	214
Lincoln	Merrill	Good Samaritan Health Center	138
Manitowoc	Manitowoc	Holy Family Memorial Medical Center	436
	Two Rivers	Aurora Medical Center	299
Marathon	Wausau	Community Health Care-Wausau Hospital	1,412
Marinette	Marinette	Bay Area Medical Center	436
Milwaukee	Milwaukee	The Columbia Center	922
	Milwaukee	Aurora Sinai Medical Center, Inc.	2,775
	Milwaukee	St. Francis Hospital	1,311
	Milwaukee	St. Joseph's Hospital – Milwaukee	3,790
	Milwaukee	St. Luke's Medical Center	1,574
	Milwaukee	St. Mary's Hospital – Milwaukee	2,831
	Milwaukee	St. Michael Hospital	731
	Wauwatosa	Froedtert Memorial Lutheran Hospital	1,281
	West Allis	West Allis Memorial Hospital	903

(Continued)

Table 4. Births by County, City and Hospital of Occurrence, Wisconsin 2001

County	City	Hospital	Births
Monroe	Sparta	Franciscan Skemp Healthcare – Sparta	71
	Tomah	Tomah Memorial Hospital, Inc.	260
Oconto	Oconto Falls	Community Memorial Hospital	58
Oneida	Rhinelander	Sacred Heart-St. Mary's Hospital, Inc.	335
	Woodruff	Howard Young Medical Center, Inc.	332
Outagamie	Appleton	Appleton Medical Center	1,179
	Appleton	St. Elizabeth Hospital	1,580
	New London	New London Family Medical Center	140
Ozaukee	Ozaukee	St. Mary's Hospital – Ozaukee	858
Pepin	Durand	Chippewa Valley Hospital	15
Polk	Amery	Amery Regional Medical Center	131
	Osceola	Osceola Medical Center	96
	St. Croix	St. Croix Regional Medical Center	317
Portage	Stevens Point	St. Michael's Hospital	694
Price	Park Falls	Flambeau Hospital, Inc.	91
Racine	Burlington	Memorial Hospital of Burlington	427
	Racine	St. Luke's Memorial Hospital	1,862
Richland	Richland Center	The Richland Hospital, Inc.	170
Rock	Beloit	Beloit Memorial Hospital, Inc.	691
	Janesville	Mercy Health System	1,292
Rusk	Ladysmith	Rusk County Memorial Hospital	106
Sauk	Baraboo	St. Clare Hospital and Health Services	307
	Prairie du Sac	Sauk Prairie Memorial Hospital	228
	Reedsburg	Reedsburg Area Medical Center	199
Sawyer	Hayward	Hayward Area Memorial Hospital	157
Shawano	Shawano	Shawano Medical Center	372
Sheboygan	Plymouth	Aurora Medical Center-Valley View	157
	Sheboygan	Sheboygan Memorial Medical Center	880
	Sheboygan	St. Nicholas Hospital	383
St. Croix	Baldwin	Baldwin Area Medical Center	96
	Hudson	Hudson Hospital	197
	New Richmond	Holy Family Hospital	138
	River Falls	River Falls Area Hospital	229
Taylor	Medford	Memorial Health Center, Inc.	171
Trempealeau	Arcadia	Franciscan Skemp Healthcare – Arcadia	58
Vernon	Hillsboro	St. Joseph's Community Health Services, Inc.	6
	Viroqua	Vernon Memorial Hospital	193
Walworth	Elkhorn	Lakeland Medical Center, Inc.	692
Washburn	Shell Lake	Indianhead Medical Center, Inc.	26
	Spooner	Spooner Health System	78
Washington	Hartford	Aurora Medical Center of Washington County	297
	West Bend	St. Joseph's Community Hospital of West Bend, Inc.	728
Waukesha	Brookfield	Elmbrook Memorial Hospital	840
	Menomonee Falls	Community Memorial Hospital	846
	Oconomowoc	Oconomowoc Memorial Hospital	712
	Waukesha	Waukesha Memorial Hospital, Inc.	2,330
Waupaca	Waupaca	Riverside Medical Center	274
Winnebago	Neenah	Theda Clark Regional Medical Center	1,052
	Oshkosh	Mercy Medical Center	1,103
Wood	Marshfield	St. Joseph's Hospital	1,234
	Wisconsin Rapids	Riverview Hospital Association	523

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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

Table 5. Home Births by County of Birth, Wisconsin 2001

County of Birth	Number of Births	County Of Birth	Number of Births
Adams	2	Marathon	36
Ashland	3	Marinette	5
Barron	14	Marquette	15
Bayfield	4	Menominee	-
Brown	13	Milwaukee	49
Buffalo	-	Monroe	57
Burnett	-	Oconto	4
Calumet	5	Oneida	6
Chippewa	9	Outagamie	12
Clark	147	Ozaukee	2
Columbia	20	Pepin	36
Crawford	5	Pierce	-
Dane	32	Polk	6
Dodge	4	Portage	9
Door	5	Price	-
Douglas	2	Racine	6
Dunn	7	Richland	7
Eau Claire	39	Rock	12
Florence	-	Rusk	9
Fond du Lac	6	St. Croix	5
Forest	-	Sauk	13
Grant	21	Sawyer	3
Green	4	Shawano	10
Green Lake	24	Sheboygan	15
Iowa	4	Taylor	24
Iron	1	Trempealeau	4
Jackson	7	Vernon	61
Jefferson	3	Vilas	1
Juneau	1	Walworth	8
Kenosha	12	Washburn	3
Kewaunee	4	Washington	16
La Crosse	1	Waukesha	17
Lafayette	11	Waupaca	15
Langlade	-	Waushara	11
Lincoln	3	Winnebago	3
Manitowoc	2	Wood	5
		Total	**902**

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: This table shows the number of Wisconsin resident births in 2001 that occurred at home by the county in which the birth occurred. (The county in which the home birth occurred is not always the residence of the mother.) In Vernon County, 53 deliveries took place at a clinic; these births are not included in either the hospital or the home birth totals shown. Almost all births (68,050 or 99 percent) occurred in hospitals.
A dash (-) indicates there were no home births in that county.
Included in the totals are 2 home births for which county was not reported.

Table 6a. Number of Births by Age of Mother and County of Residence, Wisconsin 2001

County	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	**69,012**	**80**	**2,167**	**4,602**	**15,951**	**19,176**	**17,745**	**7,737**	**1,480**	**72**
Adams	179	-	8	15	54	45	44	12	1	-
Ashland	190	-	2	17	64	41	40	18	8	-
Barron	472	2	12	41	152	144	88	25	8	-
Bayfield	135	-	5	9	28	40	35	12	3	3
Brown	3,232	2	103	185	677	959	865	385	53	3
Buffalo	143	-	4	8	32	45	28	22	3	1
Burnett	155	-	4	19	58	38	21	15	-	-
Calumet	597	-	10	23	94	189	193	75	12	1
Chippewa	672	-	18	50	197	191	153	47	15	-
Clark	518	-	7	29	131	166	121	55	9	-
Columbia	651	1	10	31	148	195	165	81	19	1
Crawford	199	-	3	19	57	54	43	13	10	-
Dane	5,520	1	119	238	951	1,498	1,760	763	184	6
Dodge	926	1	22	57	237	284	225	84	16	-
Door	262	-	4	17	48	75	72	39	7	-
Douglas	513	-	18	35	145	139	119	49	8	
Dunn	445	1	8	31	119	138	110	30	6	2
Eau Claire	1,146	-	18	73	287	363	278	102	24	1
Florence	40	-	-	1	12	9	10	8	-	-
Fond du Lac	1,091	-	33	69	274	318	274	100	22	1
Forest	100	-	4	13	31	28	16	7	1	-
Grant	547	-	11	26	139	167	129	63	11	1
Green	397	-	10	21	98	109	104	40	15	-
Green Lake	230	-	8	10	63	68	49	29	2	1
Iowa	310	1	-	18	63	102	89	32	5	-
Iron	48	-	-	1	7	17	15	4	3	1
Jackson	205	-	4	17	57	61	37	23	4	2
Jefferson	914	1	21	48	202	289	231	110	10	2
Juneau	252	-	12	22	72	71	46	20	8	1
Kenosha	2,119	2	71	149	481	578	535	251	48	4
Kewaunee	243	-	6	7	56	74	72	24	4	-
La Crosse	1,260	-	35	70	271	368	344	144	27	1
Lafayette	200	-	3	17	47	54	42	32	4	1
Langlade	213	-	9	21	59	68	38	16	2	-
Lincoln	329	-	7	20	105	100	62	28	7	-
Manitowoc	908	-	28	52	218	274	217	109	9	1
Marathon	1,534	1	40	78	363	468	378	166	37	3
Marinette	386	-	15	34	111	117	77	29	2	1
Marquette	162	1	4	26	38	39	36	16	2	-
Menominee	93	1	13	13	36	14	10	5	1	-
Milwaukee	14,727	56	869	1,401	4,008	3,664	3,065	1,377	270	17
Monroe	593	1	14	41	173	173	129	49	11	2

(Continued)

Table 6a. Number of Births by Age of Mother and County of Residence, Wisconsin 2001

County	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Oconto	392	-	12	20	101	127	92	37	3	-
Oneida	278	-	6	22	59	81	68	34	8	-
Outagamie	2,244	-	36	125	424	686	692	246	34	1
Ozaukee	867	-	2	25	100	213	317	177	33	-
Pepin	88	-	3	5	16	34	18	7	5	-
Pierce	383	-	3	16	71	136	109	36	12	-
Polk	508	-	9	37	128	137	134	50	13	-
Portage	743	-	20	48	176	207	186	94	12	-
Price	139	-	1	8	38	49	29	11	3	-
Racine	2,581	1	111	179	656	701	615	268	50	-
Richland	204	-	3	19	54	56	50	19	3	-
Rock	2,028	3	77	193	518	595	439	175	28	-
Rusk	185	-	9	12	55	54	36	15	3	1
St. Croix	912	-	14	32	159	299	260	126	22	-
Sauk	701	-	16	59	155	221	171	67	12	-
Sawyer	182	1	7	24	60	51	21	12	6	-
Shawano	462	-	15	28	126	134	100	50	9	-
Sheboygan	1,339	-	39	99	353	366	318	126	37	1
Taylor	246	-	3	17	66	77	55	21	6	1
Trempealeau	330	-	5	24	85	88	87	34	7	-
Vernon	377	-	9	12	82	106	101	49	16	2
Vilas	194	-	2	18	45	46	53	24	6	-
Walworth	1,136	-	30	84	255	314	301	124	25	3
Washburn	156	-	5	17	43	46	31	10	4	-
Washington	1,484	-	21	55	237	407	480	243	39	2
Waukesha	4,421	1	37	108	512	1,109	1,687	834	129	4
Waupaca	602	-	13	40	182	161	138	57	11	-
Waushara	232	1	8	25	69	52	57	13	7	-
Winnebago	1,851	-	34	107	427	520	535	199	29	-
Wood	891	1	25	72	236	269	200	70	17	-

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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

Table 6b. Percent of Births by Age of Mother and County of Residence, Wisconsin 2001

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	**69,012**	**0.1%**	**3.1%**	**6.7%**	**23.1%**	**27.8%**	**25.7%**	**11.2%**	**2.1%**	**0.1%**
Adams	179	-	4.5	8.4	30.2	25.1	24.6	6.7	0.6	-
Ashland	190	-	1.1	8.9	33.7	21.6	21.1	9.5	4.2	-
Barron	472	0.4	2.5	8.7	32.2	30.5	18.6	5.3	1.7	-
Bayfield	135	-	3.7	6.7	20.7	29.6	25.9	8.9	2.2	2.2
Brown	3,232	0.1	3.2	5.7	20.9	29.7	26.8	11.9	1.6	0.1
Buffalo	143	-	2.8	5.6	22.4	31.5	19.6	15.4	2.1	0.7
Burnett	155	-	2.6	12.3	37.4	24.5	13.5	9.7	-	-
Calumet	597	-	1.7	3.9	15.7	31.7	32.3	12.6	2.0	0.2
Chippewa	672	-	2.7	7.4	29.3	28.4	22.8	7.0	2.2	-
Clark	518	-	1.4	5.6	25.3	32.0	23.4	10.6	1.7	-
Columbia	651	0.2	1.5	4.8	22.7	30.0	25.3	12.4	2.9	0.2
Crawford	199	-	1.5	9.5	28.6	27.1	21.6	6.5	5.0	-
Dane	5,520	0.0	2.2	4.3	17.2	27.1	31.9	13.8	3.3	0.1
Dodge	926	0.1	2.4	6.2	25.6	30.7	24.3	9.1	1.7	-
Door	262	-	1.5	6.5	18.3	28.6	27.5	14.9	2.7	-
Douglas	513	-	3.5	6.8	28.3	27.1	23.2	9.6	1.6	-
Dunn	445	0.2	1.8	7.0	26.7	31.0	24.7	6.7	1.3	0.4
Eau Claire	1,146	-	1.6	6.4	25.0	31.7	24.3	8.9	2.1	0.1
Florence	40	-	-	2.5	30.0	22.5	25.0	20.0	-	-
Fond du Lac	1,091	-	3.0	6.3	25.1	29.1	25.1	9.2	2.0	0.1
Forest	100	-	4.0	13.0	31.0	28.0	16.0	7.0	1.0	-
Grant	547	-	2.0	4.8	25.4	30.5	23.6	11.5	2.0	0.2
Green	397	-	2.5	5.3	24.7	27.5	26.2	10.1	3.8	-
Green Lake	230	-	3.5	4.3	27.4	29.6	21.3	12.6	0.9	0.4
Iowa	310	0.3	-	5.8	20.3	32.9	28.7	10.3	1.6	-
Iron	48	-	-	2.1	14.6	35.4	31.3	8.3	6.3	2.1
Jackson	205	-	2.0	8.3	27.8	29.8	18.0	11.2	2.0	1.0
Jefferson	914	0.1	2.3	5.3	22.1	31.6	25.3	12.0	1.1	0.2
Juneau	252	-	4.8	8.7	28.6	28.2	18.3	7.9	3.2	0.4
Kenosha	2,119	0.1	3.4	7.0	22.7	27.3	25.2	11.8	2.3	0.2
Kewaunee	243	-	2.5	2.9	23.0	30.5	29.6	9.9	1.6	-
La Crosse	1,260	-	2.8	5.6	21.5	29.2	27.3	11.4	2.1	0.1
Lafayette	200	-	1.5	8.5	23.5	27.0	21.0	16.0	2.0	0.5
Langlade	213	-	4.2	9.9	27.7	31.9	17.8	7.5	0.9	-
Lincoln	329	-	2.1	6.1	31.9	30.4	18.8	8.5	2.1	-
Manitowoc	908	-	3.1	5.7	24.0	30.2	23.9	12.0	1.0	0.1
Marathon	1,534	0.1	2.6	5.1	23.7	30.5	24.6	10.8	2.4	0.2
Marinette	386	-	3.9	8.8	28.8	30.3	19.9	7.5	0.5	0.3
Marquette	162	0.6	2.5	16.0	23.5	24.1	22.2	9.9	1.2	-
Menominee	93	1.1	14.0	14.0	38.7	15.1	10.8	5.4	1.1	-
Milwaukee	14,727	0.4	5.9	9.5	27.2	24.9	20.8	9.4	1.8	0.1
Monroe	593	0.2	2.4	6.9	29.2	29.2	21.8	8.3	1.9	0.3

(Continued)

Table 6b. Percent of Births by Age of Mother and County of Residence, Wisconsin 2001

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Oconto	392	-	3.1	5.1	25.8	32.4	23.5	9.4	0.8	-
Oneida	278	-	2.2	7.9	21.2	29.1	24.5	12.2	2.9	-
Outagamie	2,244	0.0	1.6	5.6	18.9	30.6	30.8	11.0	1.5	0.0
Ozaukee	867	-	0.2	2.9	11.5	24.6	36.6	20.4	3.8	-
Pepin	88	-	3.4	5.7	18.2	38.6	20.5	8.0	5.7	-
Pierce	383	-	0.8	4.2	18.5	35.5	28.5	9.4	3.1	-
Polk	508	-	1.8	7.3	25.2	27.0	26.4	9.8	2.6	-
Portage	743	-	2.7	6.5	23.7	27.9	25.0	12.7	1.6	-
Price	139	-	0.7	5.8	27.3	35.3	20.9	7.9	2.2	-
Racine	2,581	0.0	4.3	6.9	25.4	27.2	23.8	10.4	1.9	-
Richland	204	-	1.5	9.3	26.5	27.5	24.5	9.3	1.5	-
Rock	2,028	0.1	3.8	9.5	25.5	29.3	21.6	8.6	1.4	-
Rusk	185	-	4.9	6.5	29.7	29.2	19.5	8.1	1.6	0.5
St. Croix	912	-	1.5	3.5	17.4	32.8	28.5	13.8	2.4	-
Sauk	701	-	2.3	8.4	22.1	31.5	24.4	9.6	1.7	-
Sawyer	182	0.5	3.8	13.2	33.0	28.0	11.5	6.6	3.3	-
Shawano	462	-	3.2	6.1	27.3	29.0	21.6	10.8	1.9	-
Sheboygan	1,339	-	2.9	7.4	26.4	27.3	23.7	9.4	2.8	0.1
Taylor	246	-	1.2	6.9	26.8	31.3	22.4	8.5	2.4	0.4
Trempealeau	330	-	1.5	7.3	25.8	26.7	26.4	10.3	2.1	-
Vernon	377	-	2.4	3.2	21.8	28.1	26.8	13.0	4.2	0.5
Vilas	194	-	1.0	9.3	23.2	23.7	27.3	12.4	3.1	-
Walworth	1,136	-	2.6	7.4	22.4	27.6	26.5	10.9	2.2	0.3
Washburn	156	-	3.2	10.9	27.6	29.5	19.9	6.4	2.6	-
Washington	1,484	-	1.4	3.7	16.0	27.4	32.3	16.4	2.6	0.1
Waukesha	4,421	0.0	0.8	2.4	11.6	25.1	38.2	18.9	2.9	0.1
Waupaca	602	-	2.2	6.6	30.2	26.7	22.9	9.5	1.8	-
Waushara	232	0.4	3.4	10.8	29.7	22.4	24.6	5.6	3.0	-
Winnebago	1,851	-	1.8	5.8	23.1	28.1	28.9	10.8	1.6	-
Wood	891	0.1	2.8	8.1	26.5	30.2	22.4	7.9	1.9	-

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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

Table 7a. Number of Births by Age of Mother and Region, Wisconsin 2001

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	**69,012**	**80**	**2,167**	**4,602**	**15,951**	**19,176**	**17,745**	**7,737**	**1,480**	**72**
DHFS Regions										
Southern	12,114	7	294	735	2,593	3,451	3,307	1,401	316	10
Southeastern	28,249	61	1,162	2,049	6,451	7,275	7,231	3,384	604	32
Northeastern	14,326	5	381	880	3,297	4,173	3,797	1,539	244	10
Western	9,061	4	199	569	2,261	2,726	2,204	888	197	12
Northern	5,262	3	131	369	1,349	1,551	1,206	525	119	8
Perinatal Regions										
South Central	13,965	8	342	848	2,993	4,000	3,796	1,622	341	15
Southeast	27,538	60	1,150	2,016	6,347	7,038	7,017	3,276	606	28
Fox Valley	7,009	2	146	425	1,571	2,033	1,974	735	119	4
Northeast	5,978	3	196	356	1,373	1,774	1,505	678	88	5
Western	7,733	4	159	476	1,886	2,337	1,919	757	183	11
North Central	5,410	2	133	359	1,376	1,622	1,252	549	111	5
Northwest	1,379	1	41	122	405	372	282	120	32	4

Table 7b. Percent of Births by Age of Mother and Region, Wisconsin 2001

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	**69,012**	**0.1%**	**3.1%**	**6.7%**	**23.1%**	**27.8%**	**25.7%**	**11.2%**	**2.1%**	**0.1%**
DHFS Regions										
Southern	12,114	0.1	2.4	6.1	21.4	28.5	27.3	11.6	2.6	0.1
Southeastern	28,249	0.2	4.1	7.3	22.8	25.8	25.6	12.0	2.1	0.1
Northeastern	14,326	0.0	2.7	6.1	23.0	29.1	26.5	10.7	1.7	0.1
Western	9,061	0.0	2.2	6.3	25.0	30.1	24.3	9.8	2.2	0.1
Northern	5,262	0.1	2.5	7.0	25.6	29.5	22.9	10.0	2.3	0.2
Perinatal Regions										
South Central	13,965	0.1	2.4	6.1	21.4	28.6	27.2	11.6	2.4	0.1
Southeast	27,538	0.2	4.2	7.3	23.0	25.6	25.5	11.9	2.2	0.1
Fox Valley	7,009	0.0	2.1	6.1	22.4	29.0	28.2	10.5	1.7	0.1
Northeast	5,978	0.1	3.3	6.0	23.0	29.7	25.2	11.3	1.5	0.1
Western	7,733	0.1	2.1	6.2	24.4	30.2	24.8	9.8	2.4	0.1
North Central	5,410	0.0	2.5	6.6	25.4	30.0	23.1	10.1	2.1	0.1
Northwest	1,379	0.1	3.0	8.8	29.4	27.0	20.4	8.7	2.3	0.3

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 2 births for which age of mother was not reported. A dash (-) indicates that there were no births in that category. Percents may not add to 100 due to rounding. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 98 and 99).

Table 8a. Number of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2001

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	**69,012**	**53,969**	**6,467**	**916**	**5,145**	**1,046**	**1,446**
Adams	179	175	-	1	2	-	1
Ashland	190	150	2	30	4	-	4
Barron	472	453	1	7	8	-	3
Bayfield	135	118	-	11	3	-	2
Brown	3,232	2,599	44	139	302	98	50
Buffalo	143	138	1	-	1	-	3
Burnett	155	145	-	10	-	-	-
Calumet	597	563	2	3	8	14	7
Chippewa	672	650	2	4	3	6	5
Clark	518	497	-	3	15	-	3
Columbia	651	626	-	1	18	-	6
Crawford	199	195	-	1	-	-	3
Dane	5,520	4,325	391	40	414	76	269
Dodge	926	844	-	6	68	-	8
Door	262	247	-	3	9	-	3
Douglas	513	482	4	18	6	1	2
Dunn	445	404	4	1	5	18	13
Eau Claire	1,146	1,047	7	6	18	50	18
Florence	40	40	-	-	-	-	-
Fond du Lac	1,091	978	14	7	57	17	18
Forest	100	79	-	20	-	-	1
Grant	547	538	1	-	1	-	7
Green	397	389	1	-	4	-	3
Green Lake	230	214	-	-	13	2	1
Iowa	310	305	-	1	2	-	2
Iron	48	46	-	2	-	-	-
Jackson	205	173	-	24	7	-	1
Jefferson	914	817	5	2	74	-	16
Juneau	252	237	-	4	5	2	4
Kenosha	2,119	1,627	180	12	259	-	41
Kewaunee	243	236	-	1	3	-	3
La Crosse	1,260	1,121	21	15	15	67	20
Lafayette	200	197	-	-	1	-	2
Langlade	213	203	1	2	7	-	-
Lincoln	329	319	1	4	4	1	-
Manitowoc	908	814	8	4	44	25	13
Marathon	1,534	1,358	10	10	15	111	30
Marinette	386	377	1	-	7	-	1
Marquette	162	157	1	1	3	-	-
Menominee	93	3	-	84	5	-	1
Milwaukee	14,727	6,581	5,141	116	2,205	282	398
Monroe	593	554	2	9	21	-	7

(Continued)

Table 8a. Number of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2001

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Oconto	392	370	1	7	7	-	6
Oneida	278	266	1	1	7	-	3
Outagamie	2,244	1,973	13	37	100	80	40
Ozaukee	867	821	12	1	14	-	18
Pepin	88	87	-	1	-	-	-
Pierce	383	378	-	-	2	1	2
Polk	508	489	-	9	8	-	1
Portage	743	681	6	3	16	20	17
Price	139	135	-	1	3	-	-
Racine	2,581	1,765	376	22	384	1	32
Richland	204	197	-	-	6	-	1
Rock	2,028	1,691	131	6	155	-	44
Rusk	185	174	1	-	5	-	5
St. Croix	912	885	-	5	12	2	7
Sauk	701	654	-	13	28	-	6
Sawyer	182	123	-	55	2	-	2
Shawano	462	384	3	47	14	-	14
Sheboygan	1,339	1,095	9	5	114	94	22
Taylor	246	240	-	-	4	-	2
Trempealeau	330	319	1	-	8	-	2
Vernon	377	364	-	2	7	-	4
Vilas	194	150	1	39	3	-	1
Walworth	1,136	921	9	7	183	1	15
Washburn	156	149	1	2	2	-	2
Washington	1,484	1,404	8	12	36	1	22
Waukesha	4,421	3,970	28	16	238	7	162
Waupaca	602	567	3	3	22	1	6
Waushara	232	198	-	1	31	-	2
Winnebago	1,851	1,670	16	9	76	53	27
Wood	891	828	2	10	22	15	12

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. Included in the totals are 23 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 8b. Percent of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2001

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	**69,012**	**78.2%**	**9.4%**	**1.3%**	**7.5%**	**1.5%**	**2.1%**
Adams	179	97.8	-	0.6	1.1	-	0.6
Ashland	190	78.9	1.1	15.8	2.1	-	2.1
Barron	472	96.0	0.2	1.5	1.7	-	0.6
Bayfield	135	87.4	-	8.1	2.2	-	1.5
Brown	3,232	80.4	1.4	4.3	9.3	3.0	1.5
Buffalo	143	96.5	0.7	-	0.7	-	2.1
Burnett	155	93.5	-	6.5	-	-	-
Calumet	597	94.3	0.3	0.5	1.3	2.3	1.2
Chippewa	672	96.7	0.3	0.6	0.4	0.9	0.7
Clark	518	95.9	-	0.6	2.9	-	0.6
Columbia	651	96.2	-	0.2	2.8	-	0.9
Crawford	199	98.0	-	0.5	-	-	1.5
Dane	5,520	78.4	7.1	0.7	7.5	1.4	4.9
Dodge	926	91.1	-	0.6	7.3	-	0.9
Door	262	94.3	-	1.1	3.4	-	1.1
Douglas	513	94.0	0.8	3.5	1.2	0.2	0.4
Dunn	445	90.8	0.9	0.2	1.1	4.0	2.9
Eau Claire	1,146	91.4	0.6	0.5	1.6	4.4	1.6
Florence	40	100.0	-	-	-	-	-
Fond du Lac	1,091	89.6	1.3	0.6	5.2	1.6	1.6
Forest	100	79.0	-	20.0	-	-	1.0
Grant	547	98.4	0.2	-	0.2	-	1.3
Green	397	98.0	0.3	-	1.0	-	0.8
Green Lake	230	93.0	-	-	5.7	0.9	0.4
Iowa	310	98.4	-	0.3	0.6	-	0.6
Iron	48	95.8	-	4.2	-	-	-
Jackson	205	84.4	-	11.7	3.4	-	0.5
Jefferson	914	89.4	0.5	0.2	8.1	-	1.8
Juneau	252	94.0	-	1.6	2.0	0.8	1.6
Kenosha	2,119	76.8	8.5	0.6	12.2	0.0	1.9
Kewaunee	243	97.1	-	0.4	1.2	-	1.2
La Crosse	1,260	89.0	1.7	1.2	1.2	5.3	1.6
Lafayette	200	98.5	-	-	0.5	-	1.0
Langlade	213	95.3	0.5	0.9	3.3	-	-
Lincoln	329	97.0	0.3	1.2	1.2	0.3	-
Manitowoc	908	89.6	0.9	0.4	4.8	2.8	1.4
Marathon	1,534	88.5	0.7	0.7	1.0	7.2	2.0
Marinette	386	97.7	0.3	-	1.8	-	0.3
Marquette	162	96.9	0.6	0.6	1.9	-	-
Menominee	93	3.2	-	90.3	5.4	-	1.1
Milwaukee	14,727	44.7	34.9	0.8	15.0	1.9	2.7
Monroe	593	93.4	0.3	1.5	3.5	-	1.2

(Continued)

Table 8b. Percent of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2001

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Oconto	392	94.4	0.3	1.8	1.8	-	1.5
Oneida	278	95.7	0.4	0.4	2.5	-	1.1
Outagamie	2,244	87.9	0.6	1.6	4.5	3.6	1.8
Ozaukee	867	94.7	1.4	0.1	1.6	-	2.1
Pepin	88	98.9	-	1.1	-	-	-
Pierce	383	98.7	-	-	0.5	0.3	0.5
Polk	508	96.3	-	1.8	1.6	-	0.2
Portage	743	91.7	0.8	0.4	2.2	2.7	2.3
Price	139	97.1	-	0.7	2.2	-	-
Racine	2,581	68.4	14.6	0.9	14.9	0.0	1.2
Richland	204	96.6	-	-	2.9	-	0.5
Rock	2,028	83.4	6.5	0.3	7.6	-	2.2
Rusk	185	94.1	0.5	-	2.7	-	2.7
St. Croix	912	97.0	-	0.5	1.3	0.2	0.8
Sauk	701	93.3	-	1.9	4.0	-	0.9
Sawyer	182	67.6	-	30.2	1.1	-	1.1
Shawano	462	83.1	0.6	10.2	3.0	-	3.0
Sheboygan	1,339	81.8	0.7	0.4	8.5	7.0	1.6
Taylor	246	97.6	-	-	1.6	-	0.8
Trempealeau	330	96.7	0.3	-	2.4	-	0.6
Vernon	377	96.6	-	0.5	1.9	-	1.1
Vilas	194	77.3	0.5	20.1	1.5	-	0.5
Walworth	1,136	81.1	0.8	0.6	16.1	0.1	1.3
Washburn	156	95.5	0.6	1.3	1.3	-	1.3
Washington	1,484	94.6	0.5	0.8	2.4	0.1	1.5
Waukesha	4,421	89.8	0.6	0.4	5.4	0.2	3.7
Waupaca	602	94.2	0.5	0.5	3.7	0.2	1.0
Waushara	232	85.3	-	0.4	13.4	-	0.9
Winnebago	1,851	90.2	0.9	0.5	4.1	2.9	1.5
Wood	891	92.9	0.2	1.1	2.5	1.7	1.3

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. Included in the totals are 23 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 9a. Number of Births by Race/Ethnicity of Mother and Region, Wisconsin 2001

	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	**69,012**	**53,969**	**6,467**	**916**	**5,145**	**1,046**	**1,446**
DHFS Regions							
Southern	12,114	10,373	524	73	704	78	356
Southeastern	28,249	17,906	5,759	188	3,393	292	704
Northeastern	14,326	12,445	115	351	815	384	214
Western	9,061	8,509	45	116	143	145	98
Northern	5,262	4,736	24	188	90	147	74
Perinatal Regions							
South Central	13,965	11,916	538	81	961	79	384
Southeast	27,538	17,263	5,754	184	3,250	385	695
Fox Valley	7,009	6,320	49	61	310	167	101
Northeast	5,978	5,030	57	285	391	123	91
Western	7,733	7,257	39	84	115	144	89
North Central	5,410	4,970	23	93	101	147	74
Northwest	1,379	1,213	7	128	17	1	12

Table 9b. Percent of Births by Race/Ethnicity of Mother and Region, Wisconsin 2001

	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	**69,012**	**78.2%**	**9.4%**	**1.3%**	**7.5%**	**1.5%**	**2.1%**
DHFS Regions							
Southern	12,114	85.6	4.3	0.6	5.8	0.6	2.9
Southeastern	28,249	63.4	20.4	0.7	12.0	1.0	2.5
Northeastern	14,326	86.9	0.8	2.5	5.7	2.7	1.5
Western	9,061	93.9	0.5	1.3	1.6	1.6	1.1
Northern	5,262	90.0	0.5	3.6	1.7	2.8	1.4
Perinatal Regions							
South Central	13,965	85.3	3.9	0.6	6.9	0.6	2.7
Southeast	27,538	62.7	20.9	0.7	11.8	1.4	2.5
Fox Valley	7,009	90.2	0.7	0.9	4.4	2.4	1.4
Northeast	5,978	84.1	1.0	4.8	6.5	2.1	1.5
Western	7,733	93.8	0.5	1.1	1.5	1.9	1.2
North Central	5,410	91.9	0.4	1.7	1.9	2.7	1.4
Northwest	1,379	88.0	0.5	9.3	1.2	0.1	0.9

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. Included in the totals are 23 births for which race/ethnicity of mother was not reported. Percents may not add to 100 due to rounding. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 98 and 99).

Table 10a. Number of Births by Education of Mother and County of Residence, Wisconsin 2001

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	**69,012**	**2,483**	**8,810**	**21,289**	**16,545**	**11,683**	**8,012**
Adams	179	2	25	70	54	17	11
Ashland	190	1	14	89	49	19	17
Barron	472	40	44	191	123	43	28
Bayfield	135	-	19	37	48	19	10
Brown	3,232	158	392	925	820	576	359
Buffalo	143	4	9	43	66	16	5
Burnett	155	1	21	75	37	10	10
Calumet	597	7	31	179	182	116	82
Chippewa	672	14	75	261	171	90	60
Clark	518	171	27	166	96	38	20
Columbia	651	25	42	213	213	97	61
Crawford	199	3	15	85	52	25	19
Dane	5,520	140	466	1,170	1,215	1,345	1,175
Dodge	926	13	122	352	256	120	61
Door	262	-	17	92	71	43	38
Douglas	513	1	52	161	181	69	46
Dunn	445	10	34	155	125	70	48
Eau Claire	1,146	48	81	344	342	187	143
Florence	40	-	4	17	11	7	1
Fond du Lac	1,091	16	119	391	307	158	99
Forest	100	-	24	47	14	9	6
Grant	547	22	29	176	182	85	52
Green	397	5	42	144	112	51	43
Green Lake	230	32	19	77	51	25	25
Iowa	310	2	18	90	105	59	35
Iron	48	-	1	14	15	9	9
Jackson	205	9	27	90	44	21	14
Jefferson	914	30	79	287	247	176	94
Juneau	252	4	53	99	61	18	16
Kenosha	2,119	64	304	739	455	330	219
Kewaunee	243	4	14	82	91	40	12
La Crosse	1,260	9	111	290	393	253	180
Lafayette	200	12	15	60	62	35	15
Langlade	213	2	30	81	51	27	21
Lincoln	329	2	32	139	86	39	31
Manitowoc	908	17	116	337	249	133	56
Marathon	1,534	63	110	556	411	230	164
Marinette	386	-	48	146	127	37	28
Marquette	162	11	14	80	33	11	13
Menominee	93	1	33	37	20	2	-
Milwaukee	14,727	767	3,381	4,446	2,777	1,973	1,351
Monroe	593	83	73	212	140	61	24

(Continued)

Table 10a. Number of Births by Education of Mother and County of Residence, Wisconsin 2001

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Oconto	392	2	57	148	101	47	37
Oneida	278	1	27	103	78	33	35
Outagamie	2,244	54	164	742	549	471	263
Ozaukee	867	-	26	178	200	292	171
Pepin	88	23	7	16	27	10	5
Pierce	383	-	11	124	116	73	58
Polk	508	2	44	171	164	80	46
Portage	743	6	62	265	173	121	116
Price	139	-	11	58	35	19	16
Racine	2,581	110	466	780	578	402	228
Richland	204	10	22	87	46	23	16
Rock	2,028	67	379	697	450	216	194
Rusk	185	5	32	76	39	16	17
St. Croix	912	1	45	217	250	241	151
Sauk	701	26	77	270	168	101	57
Sawyer	182	1	35	71	45	17	10
Shawano	462	11	61	190	130	42	28
Sheboygan	1,339	36	154	488	326	199	133
Taylor	246	30	18	104	64	18	12
Trempealeau	330	18	30	105	89	51	35
Vernon	377	103	24	82	82	50	32
Vilas	194	1	20	78	47	27	20
Walworth	1,136	60	162	375	252	161	122
Washburn	156	-	22	64	47	11	11
Washington	1,484	9	80	440	422	335	197
Waukesha	4,421	42	177	862	1,029	1,410	894
Waupaca	602	11	79	262	147	51	51
Waushara	232	22	47	78	53	21	11
Winnebago	1,851	32	190	595	459	331	243
Wood	891	7	99	318	234	125	102

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: "Some High School" or "Some College" means the mother completed at least one year of schooling at that level. Included in the totals are 190 births for which education of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 10b. Percent of Births by Education of Mother and County of Residence, Wisconsin 2001

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	**69,012**	**3.6%**	**12.8%**	**30.8%**	**24.0%**	**16.9%**	**11.6%**
Adams	179	1.1	14.0	39.1	30.2	9.5	6.1
Ashland	190	0.5	7.4	46.8	25.8	10.0	8.9
Barron	472	8.5	9.3	40.5	26.1	9.1	5.9
Bayfield	135	-	14.1	27.4	35.6	14.1	7.4
Brown	3,232	4.9	12.1	28.6	25.4	17.8	11.1
Buffalo	143	2.8	6.3	30.1	46.2	11.2	3.5
Burnett	155	0.6	13.5	48.4	23.9	6.5	6.5
Calumet	597	1.2	5.2	30.0	30.5	19.4	13.7
Chippewa	672	2.1	11.2	38.8	25.4	13.4	8.9
Clark	518	33.0	5.2	32.0	18.5	7.3	3.9
Columbia	651	3.8	6.5	32.7	32.7	14.9	9.4
Crawford	199	1.5	7.5	42.7	26.1	12.6	9.5
Dane	5,520	2.5	8.4	21.2	22.0	24.4	21.3
Dodge	926	1.4	13.2	38.0	27.6	13.0	6.6
Door	262	-	6.5	35.1	27.1	16.4	14.5
Douglas	513	0.2	10.1	31.4	35.3	13.5	9.0
Dunn	445	2.2	7.6	34.8	28.1	15.7	10.8
Eau Claire	1,146	4.2	7.1	30.0	29.8	16.3	12.5
Florence	40	-	10.0	42.5	27.5	17.5	2.5
Fond du Lac	1,091	1.5	10.9	35.8	28.1	14.5	9.1
Forest	100	-	24.0	47.0	14.0	9.0	6.0
Grant	547	4.0	5.3	32.2	33.3	15.5	9.5
Green	397	1.3	10.6	36.3	28.2	12.8	10.8
Green Lake	230	13.9	8.3	33.5	22.2	10.9	10.9
Iowa	310	0.6	5.8	29.0	33.9	19.0	11.3
Iron	48	-	2.1	29.2	31.3	18.8	18.8
Jackson	205	4.4	13.2	43.9	21.5	10.2	6.8
Jefferson	914	3.3	8.6	31.4	27.0	19.3	10.3
Juneau	252	1.6	21.0	39.3	24.2	7.1	6.3
Kenosha	2,119	3.0	14.3	34.9	21.5	15.6	10.3
Kewaunee	243	1.6	5.8	33.7	37.4	16.5	4.9
La Crosse	1,260	0.7	8.8	23.0	31.2	20.1	14.3
Lafayette	200	6.0	7.5	30.0	31.0	17.5	7.5
Langlade	213	0.9	14.1	38.0	23.9	12.7	9.9
Lincoln	329	0.6	9.7	42.2	26.1	11.9	9.4
Manitowoc	908	1.9	12.8	37.1	27.4	14.6	6.2
Marathon	1,534	4.1	7.2	36.2	26.8	15.0	10.7
Marinette	386	-	12.4	37.8	32.9	9.6	7.3
Marquette	162	6.8	8.6	49.4	20.4	6.8	8.0
Menominee	93	1.1	35.5	39.8	21.5	2.2	-
Milwaukee	14,727	5.2	23.0	30.2	18.9	13.4	9.2
Monroe	593	14.0	12.3	35.8	23.6	10.3	4.0

(Continued)

Table 10b. Percent of Births by Education of Mother and County of Residence, Wisconsin 2001

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Oconto	392	0.5	14.5	37.8	25.8	12.0	9.4
Oneida	278	0.4	9.7	37.1	28.1	11.9	12.6
Outagamie	2,244	2.4	7.3	33.1	24.5	21.0	11.7
Ozaukee	867	-	3.0	20.5	23.1	33.7	19.7
Pepin	88	26.1	8.0	18.2	30.7	11.4	5.7
Pierce	383	-	2.9	32.4	30.3	19.1	15.1
Polk	508	0.4	8.7	33.7	32.3	15.7	9.1
Portage	743	0.8	8.3	35.7	23.3	16.3	15.6
Price	139	-	7.9	41.7	25.2	13.7	11.5
Racine	2,581	4.3	18.1	30.2	22.4	15.6	8.8
Richland	204	4.9	10.8	42.6	22.5	11.3	7.8
Rock	2,028	3.3	18.7	34.4	22.2	10.7	9.6
Rusk	185	2.7	17.3	41.1	21.1	8.6	9.2
St. Croix	912	0.1	4.9	23.8	27.4	26.4	16.6
Sauk	701	3.7	11.0	38.5	24.0	14.4	8.1
Sawyer	182	0.5	19.2	39.0	24.7	9.3	5.5
Shawano	462	2.4	13.2	41.1	28.1	9.1	6.1
Sheboygan	1,339	2.7	11.5	36.4	24.3	14.9	9.9
Taylor	246	12.2	7.3	42.3	26.0	7.3	4.9
Trempealeau	330	5.5	9.1	31.8	27.0	15.5	10.6
Vernon	377	27.3	6.4	21.8	21.8	13.3	8.5
Vilas	194	0.5	10.3	40.2	24.2	13.9	10.3
Walworth	1,136	5.3	14.3	33.0	22.2	14.2	10.7
Washburn	156	-	14.1	41.0	30.1	7.1	7.1
Washington	1,484	0.6	5.4	29.6	28.4	22.6	13.3
Waukesha	4,421	1.0	4.0	19.5	23.3	31.9	20.2
Waupaca	602	1.8	13.1	43.5	24.4	8.5	8.5
Waushara	232	9.5	20.3	33.6	22.8	9.1	4.7
Winnebago	1,851	1.7	10.3	32.1	24.8	17.9	13.1
Wood	891	0.8	11.1	35.7	26.3	14.0	11.4

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: "Some High School" or "Some College" means the mother completed at least one year of schooling at that level. Included in the totals are 190 births for which education of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 11a. Number of Births by Education of Mother and Region, Wisconsin 2001

	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	**69,012**	**2,483**	**8,810**	**21,289**	**16,545**	**11,683**	**8,012**
DHFS Regions							
Southern	12,114	331	1,305	3,513	2,976	2,192	1,755
Southeastern	28,249	1,082	4,675	8,107	5,960	5,079	3,276
Northeastern	14,326	414	1,555	4,849	3,716	2,303	1,478
Western	9,061	542	769	2,843	2,532	1,390	933
Northern	5,262	114	506	1,977	1,361	719	570
Perinatal Regions							
South Central	13,965	418	1,531	4,090	3,423	2,504	1,952
Southeast	27,538	1,028	4,588	7,933	5,787	4,941	3,193
Fox Valley	7,009	185	663	2,404	1,781	1,184	787
Northeast	5,978	193	738	1,957	1,609	920	558
Western	7,733	367	630	2,386	2,184	1,271	848
North Central	5,410	288	496	2,008	1,339	709	561
Northwest	1,379	4	164	511	422	154	113

Table 11b. Percent of Births by Education of Mother and Region, Wisconsin 2001

	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	**69,012**	**3.6%**	**12.8%**	**30.8%**	**24.0%**	**16.9%**	**11.6%**
DHFS Regions							
Southern	12,114	2.7	10.8	29.0	24.6	18.1	14.5
Southeastern	28,249	3.8	16.5	28.7	21.1	18.0	11.6
Northeastern	14,326	2.9	10.9	33.8	25.9	16.1	10.3
Western	9,061	6.0	8.5	31.4	27.9	15.3	10.3
Northern	5,262	2.2	9.6	37.6	25.9	13.7	10.8
Perinatal Regions							
South Central	13,965	3.0	11.0	29.3	24.5	17.9	14.0
Southeast	27,538	3.7	16.7	28.8	21.0	17.9	11.6
Fox Valley	7,009	2.6	9.5	34.3	25.4	16.9	11.2
Northeast	5,978	3.2	12.3	32.7	26.9	15.4	9.3
Western	7,733	4.7	8.1	30.9	28.2	16.4	11.0
North Central	5,410	5.3	9.2	37.1	24.8	13.1	10.4
Northwest	1,379	0.3	11.9	37.1	30.6	11.2	8.2

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: "Some High School" or "Some College" means the mother completed at least one year of schooling at that level. Included in the totals are 190 births for which education of mother was not reported. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 98 and 99).

Table 12a. Number of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2001

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	**20,879**	**80**	**1,996**	**3,755**	**8,336**	**3,767**	**1,859**	**857**	**228**
Adams	56	-	7	11	22	7	7	2	-
Ashland	58	-	n/s	12	25	11	5	2	1
Barron	147	n/s	12	34	67	22	7	1	2
Bayfield	47	-	5	9	14	11	4	2	2
Brown	921	n/s	97	153	344	183	85	47	10
Buffalo	34	-	n/s	5	17	4	2	2	-
Burnett	72	-	n/s	16	32	13	3	4	-
Calumet	88	-	8	17	38	14	6	3	2
Chippewa	199	-	17	43	85	26	18	6	3
Clark	77	-	7	19	28	12	6	4	1
Columbia	129	n/s	9	23	56	23	8	5	4
Crawford	61	-	n/s	17	22	10	6	2	1
Dane	1,343	n/s	106	189	546	266	130	77	28
Dodge	222	n/s	21	47	89	35	20	7	2
Door	49	-	n/s	10	22	7	5	1	-
Douglas	190	-	18	32	75	36	20	9	-
Dunn	110	n/s	5	24	44	24	12	-	-
Eau Claire	301	-	14	53	133	64	25	8	4
Florence	3	-	-	-	1	1	-	1	-
Fond du Lac	288	-	30	43	133	40	20	18	4
Forest	51	-	n/s	10	21	9	-	6	n/s
Grant	133	-	11	22	54	21	16	8	1
Green	97	-	10	15	41	15	9	5	2
Green Lake	46	-	7	9	17	6	6	1	-
Iowa	69	n/s	-	18	27	15	5	3	-
Iron	9	-	-	n/s	1	6	1	-	-
Jackson	82	-	n/s	15	31	20	6	4	2
Jefferson	205	n/s	19	36	84	34	24	5	2
Juneau	79	-	11	13	29	15	8	3	-
Kenosha	701	n/s	67	120	264	128	77	35	8
Kewaunee	45	-	5	4	19	6	8	2	n/s
La Crosse	324	-	24	51	137	58	31	18	5
Lafayette	49	-	n/s	13	18	-	8	6	n/s
Langlade	66	-	9	18	25	10	1	2	n/s
Lincoln	86	-	3	16	43	14	7	1	2
Manitowoc	244	-	22	41	101	44	24	12	-
Marathon	308	n/s	27	49	148	48	18	11	6
Marinette	109	-	12	25	44	14	11	3	-
Marquette	42	n/s	n/s	20	11	4	-	3	-
Menominee	81	n/s	13	13	33	10	8	2	n/s
Milwaukee	7,386	56	836	1,262	2,830	1,389	671	277	65
Monroe	163	n/s	12	31	72	23	13	7	4

Table 12a. Number of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2001

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Oconto	100	-	10	19	45	15	10	1	-
Oneida	67	-	5	14	26	14	4	4	-
Outagamie	451	-	31	96	182	85	43	11	3
Ozaukee	96	-	n/s	18	46	18	9	3	-
Pepin	14	-	n/s	4	2	3	1	-	1
Pierce	63	-	n/s	13	26	12	6	2	1
Polk	135	-	8	35	52	15	15	3	7
Portage	168	-	17	34	72	23	13	8	n/s
Price	34	-	-	8	18	4	3	1	-
Racine	966	n/s	107	148	407	196	67	35	5
Richland	48	-	n/s	13	18	10	4	-	-
Rock	737	n/s	76	162	285	129	49	26	7
Rusk	51	-	6	8	20	10	2	2	n/s
St. Croix	146	-	14	22	58	26	16	10	-
Sauk	168	-	15	44	53	31	16	8	1
Sawyer	81	n/s	6	19	33	16	3	3	-
Shawano	129	-	15	26	45	26	9	7	1
Sheboygan	325	-	29	74	148	39	21	10	4
Taylor	47	-	n/s	12	20	8	2	1	1
Trempealeau	89	-	4	17	39	12	12	5	-
Vernon	69	-	9	10	23	15	8	3	1
Vilas	63	-	n/s	14	27	5	8	7	-
Walworth	282	-	26	65	104	44	29	11	3
Washburn	42	-	5	7	17	9	3	-	n/s
Washington	251	-	19	49	97	47	21	13	5
Waukesha	565	n/s	36	82	233	109	58	37	9
Waupaca	173	-	12	35	71	29	18	5	3
Waushara	62	n/s	8	18	21	4	8	1	1
Winnebago	446	-	26	78	199	77	44	21	1
Wood	241	n/s	21	52	106	38	16	4	3

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals is 1 birth for which age of mother was not reported.
A dash (-) indicates that there were no births to unmarried women in this age group.
An n/s indicates that births to unmarried women are not shown, and at least one but fewer than five *total* births (to married and unmarried mothers) occurred in the age group (see Table 6a).

Table 12b. Percent of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2001

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	**20,879**	**0.4%**	**9.6%**	**18.0%**	**39.9%**	**18.0%**	**8.9%**	**4.1%**	**1.1%**
Adams	56	-	12.5	19.6	39.3	12.5	12.5	3.6	-
Ashland	58	-	n/s	20.7	43.1	19.0	8.6	3.4	1.7
Barron	147	n/s	8.2	23.1	45.6	15.0	4.8	0.7	1.4
Bayfield	47	-	10.6	19.1	29.8	23.4	8.5	4.3	4.3
Brown	921	n/s	10.5	16.6	37.4	19.9	9.2	5.1	1.1
Buffalo	34	-	n/s	14.7	50.0	11.8	5.9	5.9	-
Burnett	72	-	n/s	22.2	44.4	18.1	4.2	5.6	-
Calumet	88	-	9.1	19.3	43.2	15.9	6.8	3.4	2.3
Chippewa	199	-	8.5	21.6	42.7	13.1	9.0	3.0	1.5
Clark	77	-	9.1	24.7	36.4	15.6	7.8	5.2	1.3
Columbia	129	n/s	7.0	17.8	43.4	17.8	6.2	3.9	3.1
Crawford	61	-	n/s	27.9	36.1	16.4	9.8	3.3	1.6
Dane	1,343	n/s	7.9	14.1	40.7	19.8	9.7	5.7	2.1
Dodge	222	n/s	9.5	21.2	40.1	15.8	9.0	3.2	0.9
Door	49	-	n/s	20.4	44.9	14.3	10.2	2.0	-
Douglas	190	-	9.5	16.8	39.5	18.9	10.5	4.7	-
Dunn	110	n/s	4.5	21.8	40.0	21.8	10.9	-	-
Eau Claire	301	-	4.7	17.6	44.2	21.3	8.3	2.7	1.3
Florence	3	-	-	-	33.3	33.3	-	33.3	-
Fond du Lac	288	-	10.4	14.9	46.2	13.9	6.9	6.3	1.4
Forest	51	-	7.8	19.6	41.2	17.6	-	11.8	2.0
Grant	133	-	8.3	16.5	40.6	15.8	12.0	6.0	0.8
Green	97	-	10.3	15.5	42.3	15.5	9.3	5.2	2.1
Green Lake	46	-	15.2	19.6	37.0	13.0	13.0	2.2	-
Iowa	69	n/s	-	26.1	39.1	21.7	7.2	4.3	-
Iron	9	-	-	n/s	11.1	66.7	11.1	-	-
Jackson	82	-	n/s	18.3	37.8	24.4	7.3	4.9	2.4
Jefferson	205	n/s	9.3	17.6	41.0	16.6	11.7	2.4	1.0
Juneau	79	-	13.9	16.5	36.7	19.0	10.1	3.8	-
Kenosha	701	n/s	9.6	17.1	37.7	18.3	11.0	5.0	1.1
Kewaunee	45	-	11.1	8.9	42.2	13.3	17.8	4.4	n/s
La Crosse	324	-	7.4	15.7	42.3	17.9	9.6	5.6	1.5
Lafayette	49	-	n/s	26.5	36.7	-	16.3	12.2	n/s
Langlade	66	-	13.6	27.3	37.9	15.2	1.5	3.0	n/s
Lincoln	86	-	3.5	18.6	50.0	16.3	8.1	1.2	2.3
Manitowoc	244	-	9.0	16.8	41.4	18.0	9.8	4.9	-
Marathon	308	n/s	8.8	15.9	48.1	15.6	5.8	3.6	1.9
Marinette	109	-	11.0	22.9	40.4	12.8	10.1	2.8	-
Marquette	42	n/s	n/s	47.6	26.2	9.5	-	7.1	-
Menominee	81	n/s	16.0	16.0	40.7	12.3	9.9	2.5	n/s
Milwaukee	7,386	0.8	11.3	17.1	38.3	18.8	9.1	3.8	0.9
Monroe	163	n/s	7.4	19.0	44.2	14.1	8.0	4.3	2.5

(Continued)

Table 12b. Percent of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2001

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Oconto	100	-	10.0	19.0	45.0	15.0	10.0	1.0	-
Oneida	67	-	7.5	20.9	38.8	20.9	6.0	6.0	-
Outagamie	451	-	6.9	21.3	40.4	18.8	9.5	2.4	0.7
Ozaukee	96	-	n/s	18.8	47.9	18.8	9.4	3.1	-
Pepin	14	-	n/s	28.6	14.3	21.4	7.1	-	7.1
Pierce	63	-	n/s	20.6	41.3	19.0	9.5	3.2	1.6
Polk	135	-	5.9	25.9	38.5	11.1	11.1	2.2	5.2
Portage	168	-	10.1	20.2	42.9	13.7	7.7	4.8	0.6
Price	34	-	-	23.5	52.9	11.8	8.8	2.9	-
Racine	966	n/s	11.1	15.3	42.1	20.3	6.9	3.6	0.5
Richland	48	-	n/s	27.1	37.5	20.8	8.3	-	-
Rock	737	n/s	10.3	22.0	38.7	17.5	6.6	3.5	0.9
Rusk	51	-	11.8	15.7	39.2	19.6	3.9	3.9	5.9
St. Croix	146	-	9.6	15.1	39.7	17.8	11.0	6.8	-
Sauk	168	-	8.9	26.2	31.5	18.5	9.5	4.8	0.6
Sawyer	81	n/s	7.4	23.5	40.7	19.8	3.7	3.7	-
Shawano	129	-	11.6	20.2	34.9	20.2	7.0	5.4	0.8
Sheboygan	325	-	8.9	22.8	45.5	12.0	6.5	3.1	1.2
Taylor	47	-	n/s	25.5	42.6	17.0	4.3	2.1	2.1
Trempealeau	89	-	4.5	19.1	43.8	13.5	13.5	5.6	-
Vernon	69	-	13.0	14.5	33.3	21.7	11.6	4.3	1.4
Vilas	63	-	n/s	22.2	42.9	7.9	12.7	11.1	-
Walworth	282	-	9.2	23.0	36.9	15.6	10.3	3.9	1.1
Washburn	42	-	11.9	16.7	40.5	21.4	7.1	-	2.4
Washington	251	-	7.6	19.5	38.6	18.7	8.4	5.2	2.0
Waukesha	565	n/s	6.4	14.5	41.2	19.3	10.3	6.5	1.6
Waupaca	173	-	6.9	20.2	41.0	16.8	10.4	2.9	1.7
Waushara	62	n/s	12.9	29.0	33.9	6.5	12.9	1.6	1.6
Winnebago	446	-	5.8	17.5	44.6	17.3	9.9	4.7	0.2
Wood	241	n/s	8.7	21.6	44.0	15.8	6.6	1.7	1.2

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals is 1 birth for which age of mother was not reported.
A dash (-) indicates that there were no births to unmarried women in this age group.
An n/s indicates that births to unmarried women are not shown, and at least one but fewer than five *total* births (to married and unmarried mothers) occurred in the age group (see Table 6a).

Table 13a. Births to Unmarried Mothers by Age and Region, Wisconsin 2001

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	**20,879**	**80**	**1,996**	**3,755**	**8,336**	**3,767**	**1,859**	**857**	**228**
DHFS Regions									
Southern	3,191	7	275	587	1,260	577	286	152	47
Southeastern	10,452	61	1,112	1,780	4,065	1,965	956	416	97
Northeastern	3,599	5	332	681	1,473	603	326	148	31
Western	2,308	n/s	173	439	958	404	206	88	35
Northern	1,329	n/s	104	268	580	218	85	53	18
Perinatal Regions									
South Central	3,617	8	317	671	1,426	645	333	166	51
Southeast	10,290	60	1,096	1,753	4,025	1,926	924	410	96
Fox Valley	1,596	n/s	125	316	672	259	145	63	14
Northeast	1,678	n/s	178	291	653	305	160	75	13
Western	1,937	n/s	136	374	808	334	178	71	31
North Central	1,262	n/s	104	254	555	196	80	52	19
Northwest	499	n/s	40	96	197	102	39	20	4

Table 13b. Percent of Births to Unmarried Mothers by Age and Region, Wisconsin 2001

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	**20,879**	**0.4%**	**9.6%**	**18.0%**	**39.9%**	**18.0%**	**8.9%**	**4.1%**	**1.1%**
DHFS Regions									
Southern	3,191	0.2	8.6	18.4	39.5	18.1	9.0	4.8	1.5
Southeastern	10,452	0.6	10.6	17.0	38.9	18.8	9.1	4.0	0.9
Northeastern	3,599	0.1	9.2	18.9	40.9	16.8	9.1	4.1	0.9
Western	2,308	n/s	7.5	19.0	41.5	17.5	8.9	3.8	1.5
Northern	1,329	n/s	7.8	20.2	43.6	16.4	6.4	4.0	1.4
Perinatal Regions									
South Central	3,617	0.2	8.8	18.6	39.4	17.8	9.2	4.6	1.4
Southeast	10,290	0.6	10.7	17.0	39.1	18.7	9.0	4.0	0.9
Fox Valley	1,596	n/s	7.8	19.8	42.1	16.2	9.1	3.9	0.9
Northeast	1,678	n/s	10.6	17.3	38.9	18.2	9.5	4.5	0.8
Western	1,937	n/s	7.0	19.3	41.7	17.2	9.2	3.7	1.6
North Central	1,262	n/s	8.2	20.1	44.0	15.5	6.3	4.1	1.5
Northwest	499	n/s	8.0	19.2	39.5	20.4	7.8	4.0	0.8

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals is 1 birth for which age of mother was not reported. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 98 and 99). An n/s indicates that births to unmarried women are not shown, and at least one but fewer than five *total* births (to married and unmarried mothers) occurred in the age group (see Table 6a).

Table 14. Births by Trimester Prenatal Care Began and County of Residence, Wisconsin 2001

County	Total	Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
		First	Second	Third	No Care	2001	2000	1999
Total	**69,012**	**57,747**	**8,830**	**1,715**	**550**	**83.7%**	**83.9%**	**83.9%**
Adams	179	135	27	13	3	75.4	74.7	74.9
Ashland	190	153	31	4	2	80.5	83.5	79.5
Barron	472	384	51	28	6	81.4	84.5	86.4
Bayfield	135	114	17	2	1	84.4	85.1	77.3
Brown	3,232	2,721	429	58	19	84.2	84.9	86.4
Buffalo	143	119	16	8	-	83.2	80.4	83.0
Burnett	155	118	27	4	2	76.1	77.9	84.2
Calumet	597	539	52	4	1	90.3	87.9	89.9
Chippewa	672	557	95	16	3	82.9	85.9	87.1
Clark	518	310	156	41	10	59.8	63.5	64.3
Columbia	651	557	80	10	1	85.6	85.7	87.0
Crawford	199	147	42	6	4	73.9	74.3	70.3
Dane	5,520	4,879	543	74	19	88.4	88.4	88.0
Dodge	926	815	94	15	1	88.0	86.8	85.8
Door	262	232	25	3	1	88.5	85.8	88.7
Douglas	513	443	56	12	1	86.4	87.1	85.9
Dunn	445	354	69	15	4	79.6	81.6	80.3
Eau Claire	1,146	951	152	30	12	83.0	83.4	84.4
Florence	40	36	4	-	-	90.0	88.9	85.7
Fond du Lac	1,091	893	148	50	-	81.9	85.3	87.8
Forest	100	82	16	-	2	82.0	86.8	80.7
Grant	547	428	95	16	3	78.2	79.4	80.9
Green	397	353	35	5	2	88.9	88.8	88.0
Green Lake	230	167	47	13	1	72.6	69.9	78.0
Iowa	310	276	26	5	2	89.0	85.9	87.9
Iron	48	46	2	-	-	95.8	85.0	90.0
Jackson	205	150	39	7	3	73.2	78.1	73.2
Jefferson	914	806	88	18	2	88.2	86.7	82.6
Juneau	252	197	50	1	3	78.2	74.5	70.2
Kenosha	2,119	1,753	280	53	26	82.7	82.5	81.8
Kewaunee	243	228	13	2	-	93.8	86.6	91.7
La Crosse	1,260	1,076	151	27	5	85.4	83.5	85.1
Lafayette	200	164	30	4	1	82.0	87.4	83.4
Langlade	213	181	29	3	-	85.0	84.7	77.5
Lincoln	329	286	33	8	-	86.9	84.0	86.0
Manitowoc	908	778	107	17	6	85.7	85.6	89.4
Marathon	1,534	1,185	303	40	6	77.2	78.8	78.4
Marinette	386	320	51	9	5	82.9	78.6	83.7
Marquette	162	125	29	6	2	77.2	74.7	81.3
Menominee	93	64	19	9	1	68.8	64.5	72.2
Milwaukee	14,727	11,674	2,306	491	231	79.3	79.5	79.7
Monroe	593	447	81	42	22	75.4	75.7	73.5

(Continued)

Table 14. Births by Trimester Prenatal Care Began and County of Residence, Wisconsin 2001

County	Total	Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
		First	Second	Third	No Care	2001	2000	1999
Oconto	392	343	44	4	1	87.5	90.6	85.2
Oneida	278	250	22	4	1	89.9	89.9	87.9
Outagamie	2,244	1,888	309	38	8	84.1	85.9	84.4
Ozaukee	867	832	27	4	3	96.0	94.1	93.0
Pepin	88	62	9	16	-	70.5	79.7	66.3
Pierce	383	322	50	4	2	84.1	82.0	80.5
Polk	508	424	57	16	7	83.5	84.8	80.9
Portage	743	621	108	10	3	83.6	84.7	81.5
Price	139	123	11	4	-	88.5	89.6	83.0
Racine	2,581	2,071	352	106	34	80.2	80.8	82.9
Richland	204	164	31	7	2	80.4	75.6	76.2
Rock	2,028	1,745	234	33	7	86.0	87.7	84.5
Rusk	185	144	37	3	-	77.8	80.4	75.0
St. Croix	912	802	83	7	4	87.9	84.9	87.4
Sauk	701	585	87	24	4	83.5	81.1	83.8
Sawyer	182	142	32	5	-	78.0	78.0	80.7
Shawano	462	393	57	7	5	85.1	82.3	81.5
Sheboygan	1,339	1,129	185	20	5	84.3	86.8	86.1
Taylor	246	186	52	6	1	75.6	80.6	79.5
Trempealeau	330	274	38	13	1	83.0	86.0	79.4
Vernon	377	235	69	64	7	62.3	65.9	67.4
Vilas	194	169	15	6	2	87.1	83.9	85.3
Walworth	1,136	934	173	26	3	82.2	81.2	80.2
Washburn	156	121	25	6	2	77.6	80.4	79.4
Washington	1,484	1,381	86	14	2	93.1	91.1	91.3
Waukesha	4,421	4,183	193	27	14	94.6	95.1	95.5
Waupaca	602	492	88	18	3	81.7	83.1	83.0
Waushara	232	174	45	9	2	75.0	72.4	77.4
Winnebago	1,851	1,587	233	26	5	85.7	85.8	87.1
Wood	891	728	134	19	9	81.7	80.8	79.0

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 170 births for which prenatal care initiation was not reported. A dash (-) indicates that there were no births in that category.

Table 15. Births by Trimester Prenatal Care Began and Region, Wisconsin 2001

		Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
	Total	First	Second	Third	No Care	2001	2000	1999
Total	**69,012**	**57,747**	**8,830**	**1,715**	**550**	**83.7%**	**83.9%**	**83.9%**
DHFS Regions								
Southern	12,114	10,445	1,374	213	52	86.2	86.2	85.4
Southeastern	28,249	23,634	3,505	739	315	83.7	83.6	83.7
Northeastern	14,326	12,073	1,881	293	65	84.3	84.7	85.9
Western	9,061	7,293	1,261	359	91	80.5	81.3	81.2
Northern	5,262	4,302	809	111	27	81.8	82.3	80.6
Perinatal Regions								
South Central	13,965	12,038	1,593	251	53	86.2	86.0	85.0
Southeast	27,538	23,023	3,429	715	315	83.6	83.8	84.0
Fox Valley	7,009	5,865	951	164	22	83.7	84.6	85.5
Northeast	5,978	5,079	745	109	38	85.0	84.4	86.3
Western	7,733	6,304	1,002	299	80	81.5	81.9	81.9
North Central	5,410	4,301	920	144	34	79.5	80.5	79.0
Northwest	1,379	1,137	190	33	8	82.5	83.4	82.4

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 170 births for which prenatal care initiation was not reported. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 98 and 99).

Table 16. Births by Number of Prenatal Care Visits and County of Residence, Wisconsin 2001

County	Total	Number of Prenatal Care Visits					Percent of Births
		No Visits	1-4	5-9	10-12	13+	With <10 Visits
Total	**69,012**	**549**	**1,994**	**12,624**	**30,219**	**23,383**	**22.0%**
Adams	179	3	7	43	80	45	29.6
Ashland	190	2	8	45	69	66	28.9
Barron	472	6	11	87	204	162	22.0
Bayfield	135	1	2	22	62	47	18.5
Brown	3,232	19	65	471	1,271	1,402	17.2
Buffalo	143	-	7	22	67	47	20.3
Burnett	155	2	4	58	64	25	41.3
Calumet	597	1	5	118	296	177	20.8
Chippewa	672	3	37	283	212	135	48.1
Clark	518	10	68	182	160	96	50.2
Columbia	651	1	12	121	289	225	20.6
Crawford	199	4	6	69	95	25	39.7
Dane	5,520	19	82	949	2,791	1,673	19.0
Dodge	926	1	16	133	449	326	16.2
Door	262	1	4	37	128	90	16.0
Douglas	513	1	18	117	257	119	26.5
Dunn	445	4	17	106	181	134	28.5
Eau Claire	1,146	12	43	204	441	445	22.6
Florence	40	-	1	8	14	17	22.5
Fond du Lac	1,091	-	59	402	426	203	42.3
Forest	100	2	-	21	47	30	23.0
Grant	547	3	25	139	251	127	30.5
Green	397	2	5	46	166	178	13.4
Green Lake	230	1	8	55	77	89	27.8
Iowa	310	2	6	75	143	83	26.8
Iron	48	-	-	5	17	26	10.4
Jackson	205	3	6	51	65	75	29.3
Jefferson	914	2	18	141	481	271	17.6
Juneau	252	3	7	59	121	61	27.4
Kenosha	2,119	25	37	300	865	879	17.1
Kewaunee	243	-	2	31	102	108	13.6
La Crosse	1,260	5	22	339	472	419	29.0
Lafayette	200	1	12	40	69	77	26.5
Langlade	213	-	7	33	118	55	18.8
Lincoln	329	-	8	54	150	117	18.8
Manitowoc	908	6	12	134	469	286	16.7
Marathon	1,534	6	62	523	654	289	38.5
Marinette	386	5	7	42	145	186	14.0
Marquette	162	2	5	31	67	57	23.5
Menominee	93	1	11	39	26	14	54.8
Milwaukee	14,727	231	657	2,822	6,151	4,814	25.2
Monroe	593	22	63	112	195	198	33.2

(Continued)

Table 16. Births by Number of Prenatal Care Visits and County of Residence, Wisconsin 2001

		Number of Prenatal Care Visits					Percent of Births
County	Total	No Visits	1-4	5-9	10-12	13+	With <10 Visits
Oconto	392	1	2	57	154	177	15.3
Oneida	278	1	5	37	116	119	15.5
Outagamie	2,244	8	38	454	1,162	581	22.3
Ozaukee	867	3	5	65	449	344	8.4
Pepin	88	-	18	13	23	33	35.2
Pierce	383	2	5	103	187	81	28.7
Polk	508	7	17	99	217	163	24.2
Portage	743	3	11	150	349	228	22.1
Price	139	-	2	35	63	39	26.6
Racine	2,581	34	53	413	1,102	947	19.4
Richland	204	2	7	59	71	65	33.3
Rock	2,028	7	33	236	1,139	604	13.6
Rusk	185	-	11	70	80	23	43.8
St. Croix	912	4	13	210	384	283	24.9
Sauk	701	4	21	138	307	231	23.3
Sawyer	182	-	10	71	69	32	44.5
Shawano	462	5	18	82	207	149	22.7
Sheboygan	1,339	5	21	223	648	440	18.6
Taylor	246	1	12	66	84	81	32.1
Trempealeau	330	1	13	67	132	113	24.5
Vernon	377	7	85	86	90	108	47.2
Vilas	194	2	10	34	79	69	23.7
Walworth	1,136	3	22	209	594	307	20.6
Washburn	156	2	8	48	63	34	37.2
Washington	1,484	2	9	85	538	845	6.5
Waukesha	4,421	14	27	241	1,859	2,250	6.4
Waupaca	602	3	17	134	307	141	25.6
Waushara	232	2	7	70	80	72	34.1
Winnebago	1,851	5	27	305	814	700	18.2
Wood	891	9	15	195	445	226	24.6

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 243 births for which number of prenatal care visits was not reported.
A dash (-) indicates that there were no births in that category.

Table 17. Births by Number of Prenatal Care Visits and Region, Wisconsin 2001

		Number of Prenatal Care Visits					Percent of Births
	Total	No Visits	1-4	5-9	10-12	13+	With <10 Visits
Total	**69,012**	**549**	**1,994**	**12,624**	**30,219**	**23,383**	**22.0%**
DHFS Regions							
Southern	12,114	52	239	2,107	5,971	3,720	19.8
Southeastern	28,249	314	828	4,276	12,039	10,657	19.2
Northeastern	14,326	65	308	2,685	6,379	4,872	21.3
Western	9,061	91	466	2,257	3,494	2,693	31.1
Northern	5,262	27	153	1,299	2,336	1,441	28.1
Perinatal Regions							
South Central	13,965	53	273	2,388	6,951	4,273	19.4
Southeast	27,538	314	809	4,149	11,612	10,519	19.1
Fox Valley	7,009	22	166	1,569	3,229	2,020	25.1
Northeast	5,978	38	121	893	2,502	2,412	17.6
Western	7,733	80	363	1,851	2,965	2,421	29.7
North Central	5,410	34	212	1,408	2,359	1,389	30.6
Northwest	1,379	8	50	366	601	349	30.7

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 243 births for which number of prenatal care visits was not reported. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 98 and 99).

Table 18. Births by Birthweight and County of Residence, Wisconsin 2001

County	Total Births	<1,500 Grams	1,500-2,499 Grams	2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight 2001	2000
Total	**69,012**	**885**	**3,672**	**64,436**	**4,557**	**6.6%**	**6.5%**
Adams	179	1	10	168	11	6.1	8.2
Ashland	190	5	9	176	14	7.4	6.3
Barron	472	-	24	446	24	5.1	7.5
Bayfield	135	-	3	131	3	2.2	4.3
Brown	3,232	35	133	3,062	168	5.2	5.9
Buffalo	143	1	8	134	9	6.3	3.1
Burnett	155	4	9	142	13	8.4	9.6
Calumet	597	4	27	566	31	5.2	6.6
Chippewa	672	6	30	634	36	5.4	5.2
Clark	518	7	18	493	25	4.8	4.8
Columbia	651	7	28	616	35	5.4	6.8
Crawford	199	6	12	181	18	9.0	8.7
Dane	5,520	71	280	5,169	351	6.4	6.0
Dodge	926	14	41	871	55	5.9	4.0
Door	262	4	17	241	21	8.0	4.3
Douglas	513	7	23	483	30	5.8	6.4
Dunn	445	1	28	416	29	6.5	5.4
Eau Claire	1,146	4	59	1,082	63	5.5	5.8
Florence	40	-	2	38	2	5.0	11.1
Fond du Lac	1,091	6	49	1,036	55	5.0	6.4
Forest	100	2	8	90	10	10.0	7.9
Grant	547	3	19	525	22	4.0	5.2
Green	397	6	19	372	25	6.3	6.0
Green Lake	230	2	5	223	7	3.0	6.8
Iowa	310	6	15	289	21	6.8	5.3
Iron	48	1	2	45	3	6.3	-
Jackson	205	5	8	192	13	6.3	6.0
Jefferson	914	7	42	865	49	5.4	4.8
Juneau	252	3	9	240	12	4.8	6.2
Kenosha	2,119	31	129	1,959	160	7.6	6.5
Kewaunee	243	-	11	232	11	4.5	6.3
La Crosse	1,260	9	69	1,181	78	6.2	4.6
Lafayette	200	1	8	191	9	4.5	5.7
Langlade	213	4	13	196	17	8.0	5.3
Lincoln	329	-	16	313	16	4.9	7.1
Manitowoc	908	13	41	853	54	5.9	5.5
Marathon	1,534	23	77	1,434	100	6.5	6.8
Marinette	386	2	15	369	17	4.4	4.6
Marquette	162	2	9	151	11	6.8	4.1
Menominee	93	2	2	89	4	4.3	2.2
Milwaukee	14,727	291	1,022	13,409	1,313	8.9	9.1
Monroe	593	12	29	552	41	6.9	6.6

(Continued)

Table 18. Births by Birthweight and County of Residence, Wisconsin 2001

County	Total Births	<1,500 Grams	1,500-2,499 Grams	2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight 2001	Percent Low Birthweight 2000
Oconto	392	4	19	368	23	5.9	5.0
Oneida	278	-	16	262	16	5.8	6.0
Outagamie	2,244	27	124	2,092	151	6.7	5.5
Ozaukee	867	4	35	828	39	4.5	5.2
Pepin	88	-	1	87	1	1.1	5.1
Pierce	383	1	18	364	19	5.0	5.6
Polk	508	9	21	478	30	5.9	5.3
Portage	743	7	32	704	39	5.2	4.7
Price	139	-	4	135	4	2.9	8.0
Racine	2,581	43	152	2,386	195	7.6	7.2
Richland	204	3	11	190	14	6.9	3.0
Rock	2,028	31	122	1,875	153	7.5	7.3
Rusk	185	1	7	177	8	4.3	3.4
St. Croix	912	10	44	858	54	5.9	5.5
Sauk	701	7	35	659	42	6.0	5.4
Sawyer	182	4	7	171	11	6.0	7.7
Shawano	462	3	16	443	19	4.1	3.8
Sheboygan	1,339	13	51	1,275	64	4.8	4.7
Taylor	246	1	14	230	15	6.1	5.7
Trempealeau	330	5	13	312	18	5.5	7.1
Vernon	377	3	15	359	18	4.8	4.1
Vilas	194	3	12	179	15	7.7	2.6
Walworth	1,136	7	40	1,089	47	4.1	5.3
Washburn	156	2	7	147	9	5.8	7.4
Washington	1,484	12	74	1,398	86	5.8	4.7
Waukesha	4,421	39	219	4,162	258	5.8	5.8
Waupaca	602	5	33	564	38	6.3	4.8
Waushara	232	1	7	224	8	3.4	7.1
Winnebago	1,851	24	102	1,725	126	6.8	7.0
Wood	891	8	43	840	51	5.7	5.0

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family 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 that there were no births in that category.

Table 19. Births by Birthweight and Region, Wisconsin 2001

	Total Births	<1,500 Grams	1,500-2,499 Grams	2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight 2001	Percent Low Birthweight 2000
Total	**69,012**	**885**	**3,672**	**64,436**	**4,557**	**6.6%**	**6.5%**
DHFS Regions							
Southern	12,114	159	609	11,346	768	6.3	6.0
Southeastern	28,249	434	1,713	26,096	2,147	7.6	7.6
Northeastern	14,326	147	661	13,513	808	5.6	5.7
Western	9,061	87	431	8,537	518	5.7	5.6
Northern	5,262	58	258	4,944	316	6.0	5.9
Perinatal Regions							
South Central	13,965	167	679	13,119	846	6.1	5.9
Southeast	27,538	433	1,682	25,417	2,115	7.7	7.6
Fox Valley	7,009	71	356	6,581	427	6.1	6.2
Northeast	5,978	63	254	5,657	317	5.3	5.3
Western	7,733	72	379	7,276	451	5.8	5.6
North Central	5,410	56	262	5,091	318	5.9	5.7
Northwest	1,379	23	60	1,295	83	6.0	6.6

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family 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 and Family Services (DHFS) and Perinatal Regions, see Technical Notes, pages 98 and 99.

Table 20. Fetal, Neonatal, Postneonatal and Infant Deaths by County of Residence, Wisconsin 2001

County	Fetal Deaths (Gestation >20 weeks)	Neonatal Deaths (Age <28 days)	+	Postneonatal Deaths (Age 28 days to 1 year)	=	Infant Deaths (Age < 1 year)
Total	**375**	**323**		**168**		**491**
Adams	1	-		-		-
Ashland	1	-		-		-
Barron	2	-		-		-
Bayfield	-	-		-		-
Brown	17	14		6		20
Buffalo	1	-		1		1
Burnett	2	2		1		3
Calumet	1	1		-		1
Chippewa	3	4		-		4
Clark	3	3		1		4
Columbia	5	5		4		9
Crawford	4	2		-		2
Dane	30	25		4		29
Dodge	7	1		4		5
Door	2	2		1		3
Douglas	-	2		-		2
Dunn	3	2		-		2
Eau Claire	8	3		2		5
Florence	-	-		-		-
Fond du Lac	5	5		1		6
Forest	-	-		-		-
Grant	4	2		-		2
Green	-	4		2		6
Green Lake	2	-		2		2
Iowa	3	1		1		2
Iron	-	1		-		1
Jackson	2	2		1		3
Jefferson	4	1		1		2
Juneau	1	1		2		3
Kenosha	12	8		3		11
Kewaunee	4	1		-		1
La Crosse	4	5		3		8
Lafayette	1	-		-		-
Langlade	1	-		2		2
Lincoln	4	2		1		3
Manitowoc	5	9		3		12

(Continued)

Table 20. Fetal, Neonatal, Postneonatal and Infant Deaths by County of Residence, Wisconsin 2001

County	Fetal Deaths (Gestation >20 weeks)	Neonatal Deaths (Age <28 days)	+	Postneonatal Deaths (Age 28 days to 1 year)	=	Infant Deaths (Age < 1 year)
Marathon	7	8		2		10
Marinette	2	1		3		4
Marquette	1	-		1		1
Menominee	2	2		-		2
Milwaukee	103	90		58		148
Monroe	6	5		3		8
Oconto	-	-		-		-
Oneida	-	-		-		-
Outagamie	10	10		3		13
Ozaukee	1	3		-		3
Pepin	-	-		-		-
Pierce	1	-		-		-
Polk	1	6		1		7
Portage	8	2		3		5
Price	1	1		1		2
Racine	9	19		11		30
Richland	2	3		2		5
Rock	7	10		3		13
Rusk	2	2		-		2
St. Croix	1	3		2		5
Sauk	7	2		3		5
Sawyer	2	-		1		1
Shawano	5	2		3		5
Sheboygan	12	7		2		9
Taylor	1	-		-		-
Trempealeau	2	-		-		-
Vernon	-	-		2		2
Vilas	1	2		-		2
Walworth	4	8		2		10
Washburn	-	-		2		2
Washington	4	6		1		7
Waukesha	17	9		5		14
Waupaca	3	4		1		5
Waushara	1	-		1		1
Winnebago	5	7		6		13
Wood	5	3		-		3
Unknown	-	-		-		-

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

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

Table 21a. Fetal, Neonatal, Postneonatal and Infant Deaths by Region, Wisconsin 2001

	Fetal Deaths (Gestation >20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Total	**375**	**323**	**168**	**491**
DHFS Region				
Southern	72	56	25	81
Southeastern	154	144	81	225
Northeastern	77	65	33	98
Western	41	39	19	58
Northern	31	19	10	29
Perinatal Regions				
South Central	76	63	28	91
Southeast	158	142	80	222
Fox Valley	28	27	15	42
Northeast	37	31	16	47
Western	38	32	15	47
North Central	33	23	10	33
Northwest	5	5	4	9

Table 21b. Rates of Fetal, Neonatal, Postneonatal and Infant Deaths by Region, Wisconsin 2001

	Fetal Deaths (Gestation >20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Total	**5.4**	**4.7**	**2.4**	**7.1**
DHFS Region				
Southern	5.9	4.6	2.1	6.7
Southeastern	5.4	5.1	2.9	8.0
Northeastern	5.3	4.5	2.3	6.8
Western	4.5	4.3	-	6.4
Northern	5.9	-	-	5.5
Perinatal Regions				
South Central	5.4	4.5	2.0	6.5
Southeast	5.7	5.2	2.9	8.1
Fox Valley	4.0	3.9	-	6.0
Northeast	6.2	5.2	-	7.9
Western	4.9	4.1	-	6.1
North Central	6.1	4.3	-	6.1
Northwest	-	-	-	-

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

Note: The fetal death rate is based on the number of fetal deaths per 1,000 live births and reported fetal deaths.
The neonatal death rate is based on the number of neonatal deaths per 1,000 live births.
The infant death rate is based on the number of infant deaths per 1,000 live births.
Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.

Table 22. Fetal, Neonatal, Postneonatal and Infant Deaths by Selected Places, Wisconsin 2001

City of Residence	Fetal Deaths (Gestation >20 weeks)	Neonatal Deaths (Age <28 days)	+	Postneonatal Deaths (Age 28 days to 1 year)	=	Infant Deaths (Age < 1 year)
Appleton	5	8		-		8
Beloit	4	5		-		5
Brookfield	-	1		1		2
Caledonia (T)	1	1		1		2
De Pere	1	2		1		3
Eau Claire	5	3		1		4
Fitchburg	1	-		-		-
Fond du Lac	3	4		1		5
Franklin	3	1		-		1
Green Bay	13	10		4		14
Greenfield	1	1		2		3
Janesville	3	5		1		6
Kenosha	8	5		3		8
La Crosse	-	2		3		5
Madison	22	21		3		24
Manitowoc	3	3		1		4
Menomonee Falls (V)	2	1		1		2
Mequon/Thiensville	-	1		-		1
Milwaukee	89	75		54		129
Mount Pleasant (T)	-	-		-		-
Muskego	1	-		-		-
Neenah/Menasha	2	4		2		6
New Berlin	4	-		1		1
Oak Creek	2	-		1		1
Oshkosh	2	3		3		6
Racine	6	17		9		26
Sheboygan	5	5		2		7
South Milwaukee	2	-		-		-
Stevens Point	5	1		2		3
Sun Prairie	1	-		-		-
Superior	-	2		-		2
Watertown	2	2		-		2
Waukesha	2	5		2		7
Wausau	3	2		1		3
Wauwatosa	1	-		1		1
West Allis	3	6		-		6
West Bend	2	3		-		3

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

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

Table 23. Number of Births by County of Residence, Wisconsin 1980-2001

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

(Continued)

Table 23. Number of Births by County of Residence, Wisconsin 1980-2001

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

(Continued)

Table 23. Number of Births by County of Residence, Wisconsin 1980-2001

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

(Continued)

Table 23. Number of Births by County of Residence, Wisconsin 1980-2001

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
Pepin	90	100	83	80	76	83	75	87	81	98
Pierce	477	423	398	405	435	403	373	344	434	379
Polk	529	461	453	469	463	470	409	415	425	471
Portage	913	804	851	815	814	788	796	759	741	789
Price	185	206	178	181	157	184	154	150	157	141
Racine	2,697	2,771	2,617	2,690	2,561	2,512	2,592	2,564	2,633	2,534
Richland	219	213	201	200	208	196	187	192	199	193
Rock	2,166	2,155	2,121	2,149	2,021	1,963	1,969	1,990	2,040	2,013
Rusk	213	195	192	222	195	192	161	162	158	176
St. Croix	840	797	819	713	754	725	767	758	777	886
Sauk	670	648	620	678	662	670	676	697	711	671
Sawyer	176	178	200	176	199	196	188	175	154	161
Shawano	525	497	463	449	454	456	458	438	467	480
Sheboygan	1,401	1,369	1,343	1,351	1,389	1,336	1,333	1,348	1,323	1,380
Taylor	289	258	248	247	232	221	225	198	225	229
Trempealeau	369	356	367	333	348	315	326	328	337	296
Vernon	332	352	318	319	334	351	338	347	344	374
Vilas	201	208	205	201	152	205	167	171	175	170
Walworth	996	999	935	911	978	952	1,019	1,019	1,067	1,107
Washburn	159	141	167	162	155	168	148	144	148	155
Washington	1,349	1,421	1,396	1,405	1,393	1,440	1,456	1,415	1,469	1,566
Waukesha	4,046	4,058	4,026	3,963	4,122	4,120	4,138	4,156	4,124	4,284
Waupaca	667	640	661	630	599	619	617	573	596	599
Waushara	245	240	237	225	231	240	219	236	240	217
Winnebago	1,936	1,983	1,883	1,901	1,864	1,838	1,756	1,826	1,725	1,798
Wood	1,039	1,045	1,046	1,065	921	923	957	922	902	903
Unknown	-	-	-	-	1	-	-	-	-	-

(Continued)

Table 23. Number of Births by County of Residence, Wisconsin 1980-2001

County	2000	2001
Total	**69,289**	**69,012**
Adams	158	179
Ashland	224	190
Barron	466	472
Bayfield	141	135
Brown	3,212	3,232
Buffalo	163	143
Burnett	136	155
Calumet	513	597
Chippewa	673	672
Clark	496	518
Columbia	616	651
Crawford	183	199
Dane	5,555	5,520
Dodge	994	926
Door	232	262
Douglas	513	513
Dunn	483	445
Eau Claire	1,116	1,146
Florence	36	40
Fond du Lac	1,151	1,091
Forest	114	100
Grant	540	547
Green	402	397
Green Lake	219	230
Iowa	263	310
Iron	40	48
Jackson	233	205
Jefferson	931	914
Juneau	275	252
Kenosha	2,151	2,119
Kewaunee	224	243
La Crosse	1,234	1,260
Lafayette	174	200
Langlade	209	213
Lincoln	281	329
Manitowoc	894	908

(Continued)

Table 23. Number of Births by County of Residence, Wisconsin 1980-2001

County	2000	2001
Marathon	1,520	1,534
Marinette	457	386
Marquette	146	162
Menominee	93	93
Milwaukee	14,846	14,727
Monroe	602	593
Oconto	383	392
Oneida	316	278
Outagamie	2,289	2,244
Ozaukee	869	867
Pepin	79	88
Pierce	412	383
Polk	454	508
Portage	805	743
Price	125	139
Racine	2,650	2,581
Richland	201	204
Rock	2,075	2,028
Rusk	148	185
St. Croix	908	912
Sauk	755	701
Sawyer	182	182
Shawano	470	462
Sheboygan	1,437	1,339
Taylor	247	246
Trempealeau	322	330
Vernon	390	377
Vilas	155	194
Walworth	1,102	1,136
Washburn	163	156
Washington	1,490	1,484
Waukesha	4,357	4,421
Waupaca	567	602
Waushara	225	232
Winnebago	1,926	1,851
Wood	878	891
Unknown	-	-

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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

Table 24. Number and Rate of Births by Age of Mother, Wisconsin 1980-2001

Year		Crude Rate	Age of Mother Total	<15	15-17	18-19	<20	20-24
1980	Number		74,763	93	2,741	6,379	9,213	25,321
	Rate	15.9	69.1		20.5	65.8	39.9	112.2
1981	Number		74,309	94	2,655	6,029	8,778	24,777
	Rate	15.7	68.1		21.0	64.6	39.9	108.2
1982	Number		74,327	91	2,452	5,659	8,202	24,477
	Rate	15.6	67.4		20.8	64.1	39.8	107.4
1983	Number		72,499	98	2,397	5,258	7,753	23,213
	Rate	15.3	65.3		21.0	60.4	38.6	103.2
1984	Number		73,050	98	2,305	4,973	7,376	22,544
	Rate	15.3	65.0		20.8	59.9	38.0	102.5
1985	Number		73,647	123	2,389	4,976	7,488	22,021
	Rate	15.4	64.2		21.7	62.4	39.4	101.9
1986	Number		72,229	121	2,340	4,679	7,140	20,342
	Rate	15.1	63.9		20.9	60.6	37.8	103.3
1987	Number		70,907	114	2,369	4,425	6,908	19,015
	Rate	14.7	63.7		21.6	58.0	37.1	103.9
1988	Number		70,711	133	2,322	4,486	6,941	18,018
	Rate	14.6	62.6		22.8	59.5	39.2	94.2
1989	Number		71,890	141	2,416	4,707	7,264	17,800
	Rate	14.8	63.8		25.4	62.5	42.6	96.8
1990	Number		72,636	148	2,337	4,925	7,410	17,477
	Rate	14.8	64.5		24.3	65.7	43.3	96.2
1991	Number		72,039	147	2,440	4,828	7,415	17,407
	Rate	14.6	63.4		24.9	71.1	44.7	94.9
1992	Number		70,662	159	2,427	4,622	7,208	16,597
	Rate	14.2	62.2		23.9	70.1	43.0	91.7
1993	Number		69,760	175	2,481	4,576	7,232	16,056
	Rate	13.8	61.4		23.8	67.7	42.0	90.9
1994	Number		68,267	161	2,497	4,379	7,037	15,331
	Rate	13.4	59.9		23.0	63.8	39.7	89.5
1995	Number		67,493	182	2,549	4,379	7,110	14,874
	Rate	13.2	58.9		22.5	62.7	38.8	88.7
1996	Number		67,076	143	2,507	4,453	7,103	14,331
	Rate	13.0	58.2		21.4	61.9	37.5	87.4
1997	Number		66,490	163	2,541	4,384	7,088	13,972
	Rate	12.7	57.6		21.1	58.5	36.3	84.8
1998	Number		67,379	111	2,366	4,570	7,047	14,632
	Rate	12.8	58.1		19.4	57.7	35.1	86.8
1999	Number		68,181	116	2,432	4,760	7,308	14,986
	Rate	12.9	58.8		20.2	57.4	36.0	86.9
2000	Number		69,289	99	2,225	4,753	7,077	15,606
	Rate	12.9	59.9		19.6	59.4	35.7	89.2
2001	Number		69,012	80	2,167	4,602	6,849	15,951
	Rate	12.7	59.0		18.8	56.9	34.2	90.2

(Continued)

Table 24. Number and Rate of Births by Age of Mother, Wisconsin 1980-2001

		Age of Mother						
Year		**25-29**	**30-34**	**35-39**	**40+**	**40-44**	**45+**	**Unknown**
1980	Number	25,461	11,682	2,604	481	459	22	1
	Rate	127.5	67.3	19.0	4.1	4.0		
1981	Number	25,471	12,104	2,699	480	442	38	
	Rate	125.5	66.1	19.4	4.1	3.8		
1982	Number	25,357	12,760	3,065	465	440	25	1
	Rate	124.9	66.1	20.4	3.8	3.6		
1983	Number	24,787	12,974	3,285	485	462	23	2
	Rate	119.7	66.5	22.5	3.6	3.4		
1984	Number	25,446	13,715	3,462	504	471	33	3
	Rate	120.6	67.2	20.6	4.0	3.7		
1985	Number	25,693	14,170	3,769	505	473	32	1
	Rate	117.3	67.2	22.3	3.6	3.3		
1986	Number	25,718	14,374	4,121	534	499	35	
	Rate	120.2	70.5	23.0	3.6	3.4		
1987	Number	25,393	14,709	4,353	528	498	30	1
	Rate	119.8	72.8	24.1	3.5	3.3		
1988	Number	25,267	15,338	4,474	669	630	39	4
	Rate	116.6	73.9	24.1	4.4	4.2		
1989	Number	25,265	15,922	4,909	721	683	38	9
	Rate	118.8	75.2	25.8	4.5	4.3		
1990	Number	24,956	16,626	5,393	768	730	38	6
	Rate	123.7	78.7	27.8	4.6	4.4		
1991	Number	23,958	16,960	5,481	817	773	44	1
	Rate	123.1	79.5	27.5	4.5	4.3		
1992	Number	22,918	17,269	5,756	905	859	46	9
	Rate	121.5	81.1	28.3	5.0	4.7		
1993	Number	22,154	17,347	6,024	942	898	44	5
	Rate	121.0	82.4	29.1	5.1	4.8		
1994	Number	20,961	17,642	6,292	997	955	42	7
	Rate	117.9	84.6	29.6	5.2	4.9		
1995	Number	20,374	17,442	6,612	1,074	1,026	48	7
	Rate	115.4	85.4	30.7	5.4	5.2		
1996	Number	20,279	17,254	6,931	1,175	1,132	43	3
	Rate	115.0	86.6	31.6	5.7	5.5		
1997	Number	19,994	17,198	7,008	1,228	1,172	56	2
	Rate	115.5	89.0	32.0	5.9	5.9		
1998	Number	19,932	17,126	7,385	1,252	1,191	61	5
	Rate	117.7	90.5	33.8	5.9	5.6		
1999	Number	19,716	17,407	7,427	1,328	1,257	71	9
	Rate	119.8	93.8	34.3	6.1	5.8		
2000	Number	19,594	17,692	7,776	1,539	1,463	76	5
	Rate	119.5	96.2	35.7	7.0	6.7		
2001	Number	19,176	17,745	7,737	1,552	1,480	72	2
	Rate	115.8	95.5	35.2	7.0	6.7		

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.
Notes: Rates shown for ages <20 include births to mothers less than 15 years old, with population ages 15-19.
Rates shown for ages 40+ include births to mothers ages 45 or older, with population ages 40-44.

Table 25. Total Births and Births to Teenagers and Unmarried Mothers, Wisconsin 1980-2001

	Total Births		Ages Under 18		Ages 18-19		Mother Unmarried	
Year	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

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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

Table 26. Births by Selected Birth Indicators, Wisconsin 1980-2001

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

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

* Percentages are based on total live births.
** Rates are per 1,000 live births.

Notes: "Premature" means less than 37 weeks of gestation. Since 1980, gestational age has been calculated as the difference between the date of last normal menses and the date of delivery. Since 1993, clinical estimate of gestation has been substituted when date of last normal menses is unknown. Data for 1989-1992 shown on this page were recalculated to make them comparable with data for subsequent years, and differ from previously published data. (See Figure 17, page 28.) Caution is advised in making comparisons between data for 1989-2001 and data for the years before 1989.

See Technical Notes (page 105) regarding comparability of data on congenital anomalies since 1989.

Table 27. Infant, Neonatal, Fetal and Perinatal Deaths and Mortality Rates, Wisconsin 1980-2001

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

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

* Rates are per 1,000 live births.
** Rates are per 1,000 live births and fetal deaths.
n/a not available.

Notes: U.S. rates of perinatal death for the years 1992-1997 are from the National Center for Health Statistics (unpublished data). See Technical Notes (page 105) for definition of perinatal deaths.
The 2000 U.S. infant mortality rate is preliminary.

Table A1. Number of Births by Age of Mother and Selected Characteristics, Wisconsin 2001

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	**69,012**	**80**	**2,167**	**4,602**	**15,951**	**19,176**	**17,745**	**7,737**	**1,480**	**72**
Education										
Elem. or Less	2,483	64	208	168	635	632	445	255	65	11
Some H.S.	8,810	14	1,807	1,840	3,013	1,267	537	276	52	4
H.S. Grad	21,289	-	141	2,303	7,607	5,447	3,707	1,708	361	15
Some College	16,545	-	-	282	3,744	5,648	4,544	1,954	356	17
College Grad	11,683	-	-	-	685	3,915	4,738	1,991	344	10
Post-Grad	8,012	-	-	-	216	2,230	3,731	1,528	295	12
Unknown	190	2	11	9	51	37	43	25	7	3
Marital Status										
Married	48,132	-	171	847	7,615	15,409	15,886	6,880	1,264	60
Unmarried	20,879	80	1,996	3,755	8,336	3,767	1,859	857	216	12
Unknown	1	-	-	-	-	-	-	-	-	-
Trimester Prenatal Care Began										
First	57,747	35	1,310	3,219	12,379	16,705	15,998	6,808	1,241	52
Second	8,830	27	656	1,080	2,806	1,974	1,398	700	175	14
Third	1,715	18	152	212	552	346	234	155	42	4
None	550	-	45	78	167	107	79	55	17	2
Unknown	170	-	4	13	47	44	36	19	5	-
Number of Prenatal Care Visits										
No Visits	549	-	45	77	167	107	79	55	17	2
1-4	1,994	10	148	237	633	419	307	183	54	3
5-9	12,624	35	669	1,177	3,510	3,129	2,585	1,252	250	17
10-12	30,219	25	860	1,886	6,821	8,564	7,998	3,398	635	32
13+	23,383	10	437	1,211	4,753	6,898	6,717	2,825	515	17
Unknown	243	-	8	14	67	59	59	24	9	1
Smoked During Pregnancy										
No	58,026	70	1,746	3,261	11,929	16,658	16,104	6,884	1,311	62
Yes	10,907	10	418	1,338	4,010	2,493	1,623	838	167	10
Unknown	79	-	3	3	12	25	18	15	2	-
Live Birth Order										
1	27,047	79	1,968	3,514	7,553	7,419	4,791	1,457	252	13
2	22,732	1	187	889	5,362	6,702	6,751	2,452	377	10
3	11,330	-	11	174	2,138	3,101	3,671	1,898	324	13
4	4,377	-	1	24	635	1,173	1,396	944	193	11
5+	3,520	-	-	1	261	781	1,134	985	333	25
Unknown	6	-	-	-	2	-	2	1	1	-
Plurality										
Single Birth	66,944	80	2,142	4,536	15,535	18,639	17,065	7,455	1,428	62
Multiple Birth	2,068	-	25	66	416	537	680	282	52	10
Prematurity										
Full-Term (37+ Weeks)	61,566	67	1,828	4,048	14,223	17,299	15,879	6,897	1,270	55
Premature (<37 Weeks)	7,433	13	339	554	1,726	1,874	1,863	838	209	17
Unknown	13	-	-	-	2	3	3	2	1	-
Attendant at Birth										
Physician, M.D.	61,571	68	1,846	4,012	13,892	17,177	16,183	7,014	1,322	56
Physician, D.O.	2,484	-	70	142	609	707	628	293	33	2
Cert. Nurse Midwife	3,898	12	239	422	1,210	989	685	272	63	6
Other Midwife	568	-	1	6	112	164	149	89	43	4
Other	490	-	11	20	128	139	99	69	19	4
Unknown	1	-	-	-	-	-	1	-	-	-

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.
Notes: Included in the totals are 2 births for which age of mother was not reported. A dash (-) indicates that there were no births in that category.

Table A2. Percent of Births by Age of Mother and Selected Characteristics, Wisconsin 2001

	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	3.6	80.0	9.6	3.7	4.0	3.3	2.5	3.3	4.4	15.3
Some H.S.	12.8	17.5	83.4	40.0	18.9	6.6	3.0	3.6	3.5	5.6
H.S. Grad	30.8	-	6.5	50.0	47.7	28.4	20.9	22.1	24.4	20.8
Some College	24.0	-	-	6.1	23.5	29.5	25.6	25.3	24.1	23.6
College Grad	16.9	-	-	-	4.3	20.4	26.7	25.7	23.2	13.9
Post-Grad	11.6	-	-	-	1.4	11.6	21.0	19.7	19.9	16.7
Unknown	0.3	2.5	0.5	0.2	0.3	0.2	0.2	0.3	0.5	4.2
Marital Status										
Married	69.7	-	7.9	18.4	47.7	80.4	89.5	88.9	85.4	83.3
Unmarried	30.3	100.0	92.1	81.6	52.3	19.6	10.5	11.1	14.6	16.7
Unknown	0.0	-	-	-	0.0	-	-	-	-	-
Trimester Prenatal Care Began										
First	83.7	43.8	60.5	69.9	77.6	87.1	90.2	88.0	83.9	72.2
Second	12.8	33.8	30.3	23.5	17.6	10.3	7.9	9.0	11.8	19.4
Third	2.5	22.5	7.0	4.6	3.5	1.8	1.3	2.0	2.8	5.6
None	0.8	-	2.1	1.7	1.0	0.6	0.4	0.7	1.1	2.8
Unknown	0.2	-	0.2	0.3	0.3	0.2	0.2	0.2	0.3	-
Number of Prenatal Care Visits										
No Visits	0.8	-	2.1	1.7	1.0	0.6	0.4	0.7	1.1	2.8
1-4	2.9	12.5	6.8	5.1	4.0	2.2	1.7	2.4	3.6	4.2
5-9	18.3	43.8	30.9	25.6	22.0	16.3	14.6	16.2	16.9	23.6
10-12	43.8	31.3	39.7	41.0	42.8	44.7	45.1	43.9	42.9	44.4
13+	33.9	12.5	20.2	26.3	29.8	36.0	37.9	36.5	34.8	23.6
Unknown	0.4	-	0.4	0.3	0.4	0.3	0.3	0.3	0.6	1.4
Smoked During Pregnancy										
No	84.1	87.5	80.6	70.9	74.8	86.9	90.8	89.0	88.6	86.1
Yes	15.8	12.5	19.3	29.1	25.1	13.0	9.1	10.8	11.3	13.9
Unknown	0.1	-	0.1	0.1	0.1	0.1	0.1	0.2	0.1	-
Live Birth Order										
1	39.2	98.8	90.8	76.4	47.4	38.7	27.0	18.8	17.0	18.1
2	32.9	1.3	8.6	19.3	33.6	34.9	38.0	31.7	25.5	13.9
3	16.4	-	0.5	3.8	13.4	16.2	20.7	24.5	21.9	18.1
4	6.3	-	0.0	0.5	4.0	6.1	7.9	12.2	13.0	15.3
5+	5.1	-	-	0.0	1.6	4.1	6.4	12.7	22.5	34.7
Unknown	0.0	-	-	-	0.0	-	0.0	0.0	0.1	-
Plurality										
Single Birth	97.0	100.0	98.8	98.6	97.4	97.2	96.2	96.4	96.5	86.1
Multiple Birth	3.0	-	1.2	1.4	2.6	2.8	3.8	3.6	3.5	13.9
Prematurity										
Full Term (37+ Weeks)	89.2	83.8	84.4	88.0	89.2	90.2	89.5	89.1	85.8	76.4
Premature (<37 Weeks)	10.8	16.3	15.6	12.0	10.8	9.8	10.5	10.8	14.1	23.6
Unknown	0.0	-	-	-	0.0	0.0	0.0	0.0	0.1	-
Attendant at Birth										
Physician, M.D.	89.2	85.0	85.2	87.2	87.1	89.6	91.2	90.7	89.3	77.8
Physician, D.O.	3.6	-	3.2	3.1	3.8	3.7	3.5	3.8	2.2	2.8
Cert. Nurse Midwife	5.6	15.0	11.0	9.2	7.6	5.2	3.9	3.5	4.3	8.3
Other Midwife	0.8	-	0.1	0.1	0.7	0.9	0.8	1.2	2.9	5.6
Other	0.7	-	0.5	0.4	0.8	0.7	0.6	0.9	1.3	5.6

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.
Notes: Included in the totals are 2 births for which age of mother was not reported. A dash (-) indicates that there were no births in that category.

Table B1. Number of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2001

	Total	White	Black/Afr. American	American Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	**69,012**	**53,969**	**6,467**	**916**	**5,145**	**1,046**	**1,446**
Age of Mother							
<15	80	21	43	3	10	2	1
15-17	2,167	977	674	66	323	102	25
18-19	4,602	2,751	948	120	567	136	77
20-24	15,951	10,998	2,329	321	1,741	314	241
25-29	19,176	15,629	1,321	210	1,341	232	440
30-34	17,745	15,553	726	115	765	146	434
35-39	7,737	6,715	344	62	332	87	194
40-44	1,480	1,268	78	19	64	20	31
45+	72	56	4	-	2	7	3
Unknown	2	1	-	-	-	-	-
Education of Mother							
Elem. or Less	2,483	898	170	13	1,168	209	25
Some H.S.	8,810	4,329	2,405	269	1,466	218	118
H.S. Grad	21,289	16,374	2,324	361	1,545	378	306
Some College	16,545	14,197	1,150	191	576	148	281
College Grad	11,683	10,764	255	46	211	45	358
Post-Grad	8,012	7,318	143	33	140	20	350
Unknown	190	89	20	3	39	28	8
Marital Status							
Married	48,132	41,787	1,117	300	2,831	875	1,205
Unmarried	20,879	12,182	5,350	616	2,314	171	241
Unknown	1	-	-	-	-	-	-
Trimester Prenatal Care Began							
First	57,747	47,256	4,485	661	3,583	511	1,234
Second	8,830	5,320	1,441	195	1,229	469	171
Third	1,715	965	356	47	259	60	28
None	550	298	167	9	63	4	9
Unknown	170	130	18	4	11	2	4
Number of Prenatal Care Visits							
No Visits	549	297	167	9	63	4	9
1-4	1,994	1,082	488	55	259	71	39
5-9	12,624	8,560	1,694	274	1,346	460	285
10-12	30,219	24,020	2,608	333	2,223	382	641
13+	23,383	19,820	1,486	242	1,237	126	467
Unknown	243	190	24	3	17	3	5
Smoked During Pregnancy							
No	58,026	44,989	5,230	570	4,852	1,020	1,347
Yes	10,907	8,905	1,237	345	293	26	98
Unknown	79	75	-	1	-	-	1
Live Birth Order							
1	27,047	21,525	2,219	340	1,991	268	692
2	22,732	18,592	1,664	277	1,534	185	472
3	11,330	8,732	1,200	165	915	149	168
4	4,377	3,061	664	76	398	110	67
5+	3,520	2,054	720	58	307	333	47
Unknown	6	5	-	-	-	1	-

(Continued)

Table B1. Number of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2001

	Total	White	Black/Afr. American	American Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	**69,012**	**53,969**	**6,467**	**916**	**5,145**	**1,046**	**1,446**
Prematurity							
Full Term (37+ Weeks)	61,566	48,558	5,362	816	4,579	928	1,302
Premature (<37 Weeks)	7,433	5,400	1,105	100	566	118	143
Unknown	13	11	-	-	-	-	1
Computed Estimate of Gestational Age (Weeks)							
<37	7,055	5,151	1,020	88	548	114	133
37-39	30,701	24,466	2,614	358	2,154	395	704
40	14,051	11,355	1,086	161	990	182	271
41	7,695	6,051	642	103	646	114	136
42+	6,835	4,976	751	147	635	179	146
Unknown	2,675	1,970	354	59	172	62	56

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 23 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category.
"Premature" means less than 37 weeks of gestation. Gestational age is calculated as the difference between the date of last normal menses and the date of delivery. Where date of last normal menses is unknown, clinical estimate of gestation is substituted.
The "computed estimate of gestational age" is calculated as the difference between the date of last normal menses and date of delivery.

Table B2. Percent of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2001

	Total	White	Black/Afr. American	American Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**
Age of Mother							
<15	0.1	0.0	0.7	0.3	0.2	0.2	0.1
15-17	3.1	1.8	10.4	7.2	6.3	9.8	1.7
18-19	6.7	5.1	14.7	13.1	11.0	13.0	5.3
20-24	23.1	20.4	36.0	35.0	33.8	30.0	16.7
25-29	27.8	29.0	20.4	22.9	26.1	22.2	30.4
30-34	25.7	28.8	11.2	12.6	14.9	14.0	30.0
35-39	11.2	12.4	5.3	6.8	6.5	8.3	13.4
40-44	2.1	2.3	1.2	2.1	1.2	1.9	2.1
45+	0.1	0.1	0.1	-	0.0	0.7	0.2
Unknown	0.0	0.0	-	-	-	-	-
Education of Mother							
Elem. or Less	3.6	1.7	2.6	1.4	22.7	20.0	1.7
Some H.S.	12.8	8.0	37.2	29.4	28.5	20.8	8.2
H.S. Grad	30.8	30.3	35.9	39.4	30.0	36.1	21.2
Some College	24.0	26.3	17.8	20.9	11.2	14.1	19.4
College Grad	16.9	19.9	3.9	5.0	4.1	4.3	24.8
Post-Grad	11.6	13.6	2.2	3.6	2.7	1.9	24.2
Unknown	0.3	0.2	0.3	0.3	0.8	2.7	0.6
Marital Status							
Married	69.7	77.4	17.3	32.8	55.0	83.7	83.3
Unmarried	30.3	22.6	82.7	67.2	45.0	16.3	16.7
Unknown	0.0	-	-	-	-	-	-
Trimester Prenatal Care Began							
First	83.7	87.6	69.4	72.2	69.6	48.9	85.3
Second	12.8	9.9	22.3	21.3	23.9	44.8	11.8
Third	2.5	1.8	5.5	5.1	5.0	5.7	1.9
None	0.8	0.6	2.6	1.0	1.2	0.4	0.6
Unknown	0.2	0.2	0.3	0.4	0.2	0.2	0.3
Number of Prenatal Care Visits							
No Visits	0.8	0.6	2.6	1.0	1.2	0.4	0.6
1-4	2.9	2.0	7.5	6.0	5.0	6.8	2.7
5-9	18.3	15.9	26.2	29.9	26.2	44.0	19.7
10-12	43.8	44.5	40.3	36.4	43.2	36.5	44.3
13+	33.9	36.7	23.0	26.4	24.0	12.0	32.3
Unknown	0.4	0.4	0.4	0.3	0.3	0.3	0.3
Smoked During Pregnancy							
No	84.1	83.4	80.9	62.2	94.3	97.5	93.2
Yes	15.8	16.5	19.1	37.7	5.7	2.5	6.8
Unknown	0.1	0.1	-	0.1	-	-	0.1
Live Birth Order							
1	39.2	39.9	34.3	37.1	38.7	25.6	47.9
2	32.9	34.4	25.7	30.2	29.8	17.7	32.6
3	16.4	16.2	18.6	18.0	17.8	14.2	11.6
4	6.3	5.7	10.3	8.3	7.7	10.5	4.6
5+	5.1	3.8	11.1	6.3	6.0	31.8	3.3
Unknown	0.0	0.0	-	-	-	0.1	-

(Continued)

Table B2. Percent of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2001

	Total	White	Black/Afr. American	American Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**
Prematurity							
Full Term (37+ Weeks)	89.2	90.0	82.9	89.1	89.0	88.7	90.0
Premature (<37 Weeks)	10.8	10.0	17.1	10.9	11.0	11.3	9.9
Unknown	0.0	0.0	-	-	-	-	0.1
Computed Estimate of Gestational Age (Weeks)							
<37	10.2	9.5	15.8	9.6	10.7	10.9	9.2
37-39	44.5	45.3	40.4	39.1	41.9	37.8	48.7
40	20.4	21.0	16.8	17.6	19.2	17.4	18.7
41	11.2	11.2	9.9	11.2	12.6	10.9	9.4
42+	9.9	9.2	11.6	16.0	12.3	17.1	10.1
Unknown	3.9	3.7	5.5	6.4	3.3	5.9	3.9

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 23 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category.
"Premature" means less than 37 weeks of gestation. Gestational age is calculated as the difference between the date of last normal menses and the date of delivery. Where date of last normal menses is unknown, clinical estimate of gestation is substituted. Caution is advised in making comparisons between years.
The "computed estimate of gestational age" is calculated as the difference between the date of last normal menses and date of delivery.

Table C1. Number and Percent of Births by Birthweight and Selected Characteristics, Wisconsin 2001

	Total	<1,500 Grams		1,500-2,499 Grams		2,500+ Grams		Total <2,500 Grams	
	Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	**69,012**	**885**	**1.3**	**3,672**	**5.3**	**64,436**	**93.4**	**4,557**	**6.6**
Plurality									
Single Birth	66,944	660	1.0	2,784	4.2	63,483	94.8	3,444	5.1
Multiple Birth	2,068	225	10.9	888	42.9	953	46.1	1,113	53.8
Prematurity									
Full Term (37+ Weeks)	61,566	30	0.0	1,452	2.4	60,079	97.6	1,482	2.4
Premature (<37 Weeks)	7,433	854	11.5	2,219	29.9	4,350	58.5	3,073	41.3
Unknown	13	1	7.7	1	7.7	7	53.8	2	15.4
Age of Mother									
<15	80	-	-	8	10.0	72	90.0	8	10.0
15-17	2,167	58	2.7	150	6.9	1,957	90.3	208	9.6
18-19	4,602	95	2.1	276	6.0	4,231	91.9	371	8.1
20-24	15,951	205	1.3	957	6.0	14,788	92.7	1,162	7.3
25-29	19,176	232	1.2	894	4.7	18,046	94.1	1,126	5.9
30-34	17,745	171	1.0	847	4.8	16,719	94.2	1,018	5.7
35-39	7,737	104	1.3	414	5.4	7,217	93.3	518	6.7
40-44	1,480	16	1.1	114	7.7	1,349	91.1	130	8.8
45+	72	3	4.2	12	16.7	57	79.2	15	20.8
Unknown	2	1	50.0	-	-	-	-	1	50.0
Race/Ethnicity of Mother									
White	53,969	545	1.0	2,614	4.8	50,791	94.1	3,159	5.9
Black/Afr. American	6,467	239	3.7	619	9.6	5,609	86.7	858	13.3
American Indian	916	14	1.5	46	5.0	856	93.4	60	6.6
Hispanic/Latino	5,145	64	1.2	254	4.9	4,827	93.8	318	6.2
Laotian/Hmong	1,046	7	0.7	53	5.1	986	94.3	60	5.7
Other	1,446	15	1.0	86	5.9	1,345	93.0	101	7.0
Unknown	23	1	4.3	-	-	22	95.7	1	4.3
Education of Mother									
Elem. or Less	2,483	25	1.0	105	4.2	2,352	94.7	130	5.2
Some H.S.	8,810	201	2.3	687	7.8	7,919	89.9	888	10.1
H.S. Grad	21,289	293	1.4	1,272	6.0	19,721	92.6	1,565	7.4
Some College	16,545	188	1.1	782	4.7	15,573	94.1	970	5.9
College Grad	11,683	90	0.8	503	4.3	11,088	94.9	593	5.1
Post-Grad	8,012	82	1.0	304	3.8	7,623	95.1	386	4.8
Unknown	190	6	3.2	19	10.0	160	84.2	25	13.2
Marital Status									
Married	48,132	456	0.9	2,159	4.5	45,506	94.5	2,615	5.4
Unmarried	20,879	428	2.0	1,513	7.2	18,930	90.7	1,941	9.3
Unknown	1	1	100.0	-	-	-	-	-	-

(Continued)

Table C1. Number and Percent of Births by Birthweight and Selected Characteristics, Wisconsin 2001

	Total	<1,500 Grams		1,500-2,499 Grams		2,500+ Grams		Total <2,500 Grams	
	Births	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Trimester Prenatal Care Began									
First	57,747	705	1.2	2,963	5.1	54,072	93.6	3,668	6.4
Second	8,830	104	1.2	503	5.7	8,221	93.1	607	6.9
Third	1,715	10	0.6	109	6.4	1,596	93.1	119	6.9
None	550	52	9.5	79	14.4	415	75.5	131	23.8
Unknown	170	14	8.2	18	10.6	132	77.6	32	18.8
Number of Prenatal Care Visits									
No Visits	549	52	9.5	79	14.4	414	75.4	131	23.9
1-4	1,994	168	8.4	183	9.2	1,642	82.3	351	17.6
5-9	12,624	346	2.7	1,073	8.5	11,198	88.7	1,419	11.2
10-12	30,219	142	0.5	1,252	4.1	28,825	95.4	1,394	4.6
13+	23,383	161	0.7	1,061	4.5	22,160	94.8	1,222	5.2
Unknown	243	16	6.6	24	9.9	197	81.1	40	16.5
Smoked During Pregnancy									
No	58,026	685	1.2	2,683	4.6	54,645	94.2	3,368	5.8
Yes	10,907	194	1.8	978	9.0	9,733	89.2	1,172	10.7
Unknown	79	6	7.6	11	13.9	58	73.4	17	21.5
Type of Delivery									
Vaginal After Previous C-Section	1,463	8	0.5	85	5.8	1,370	93.6	93	6.4
Forceps	1,180	2	0.2	55	4.7	1,121	95.0	57	4.8
Other Vaginal	53,197	431	0.8	2,386	4.5	50,369	94.7	2,817	5.3
Primary C-Section	8,277	378	4.6	873	10.5	7,020	84.8	1,251	15.1
Repeat C-Section	4,893	66	1.3	273	5.6	4,554	93.1	339	6.9
Other	2	-	-	-	-	2	100.0	-	-
Live Birth Order									
1	27,047	409	1.5	1,556	5.8	25,072	92.7	1,965	7.3
2	22,732	224	1.0	1,023	4.5	21,483	94.5	1,247	5.5
3	11,330	116	1.0	572	5.0	10,640	93.9	688	6.1
4	4,377	70	1.6	277	6.3	4,028	92.0	347	7.9
5+	3,520	66	1.9	244	6.9	3,210	91.2	310	8.8
Unknown	6	-	-	-	-	3	50.0	-	-
Congenital Anomalies									
No	68,136	862	1.3	3,565	5.2	63,692	93.5	4,427	6.5
Yes	876	23	2.6	107	12.2	744	84.9	130	14.8

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family 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 that there were no births in that category.

Table C2. Number and Percent of Births by Estimated Gestational Age and Birthweight, Wisconsin 2001

		Estimated Gestational Age (in Weeks)									
Birthweight	**Total**	**17-19**	**20-27**	**28-31**	**32-35**	**36**	**37-39**	**40**	**41**	**42+**	**Unk.**
					Number						
Total	**69,012**	**24**	**444**	**740**	**3,260**	**2,587**	**30,701**	**14,051**	**7,695**	**6,835**	**2,675**
<500 Grams	117	20	80	2	-	-	-	-	1	-	14
500-999 Grams	335	1	211	70	12	2	3	1	2	-	33
1,000-1,499 Gms	433	1	48	213	101	10	14	2	2	5	37
1,500-1,999 Gms	910	-	12	183	428	79	111	12	8	14	63
2,000-2,499 Gms	2,762	-	12	44	915	405	933	130	63	117	143
2,500-2,999 Gms	10,327	1	21	66	890	937	5,348	1,215	625	763	461
3,000-3,499 Gms	24,736	1	34	88	572	776	12,431	4,982	2,428	2,472	952
3,500-3,999 Gms	21,191	-	14	57	264	298	8,990	5,454	3,048	2,380	686
4,000-4,499 Gms	6,850	-	8	13	70	67	2,471	1,876	1,239	877	229
4,500+ Grams	1,332	-	1	2	7	13	399	378	279	206	47
Unknown	19	-	3	2	1	-	1	1	-	1	10
					Percent						
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
<500 Grams	0.2	83.3	18.0	0.3	-	-	-	-	0.0	-	0.5
500-999 Grams	0.5	4.2	47.5	9.5	0.4	0.1	0.0	0.0	0.0	-	1.2
1,000-1,499 Gms	0.6	4.2	10.8	28.8	3.1	0.4	0.0	0.0	0.0	0.1	1.4
1,500-1,999 Gms	1.3	-	2.7	24.7	13.1	3.1	0.4	0.1	0.1	0.2	2.4
2,000-2,499 Gms	4.0	-	2.7	5.9	28.1	15.7	3.0	0.9	0.8	1.7	5.3
2,500-2,999 Gms	15.0	4.2	4.7	8.9	27.3	36.2	17.4	8.6	8.1	11.2	17.2
3,000-3,499 Gms	35.8	4.2	7.7	11.9	17.5	30.0	40.5	35.5	31.6	36.2	35.6
3,500-3,999 Gms	30.7	-	3.2	7.7	8.1	11.5	29.3	38.8	39.6	34.8	25.6
4,000-4,499 Gms	9.9	-	1.8	1.8	2.1	2.6	8.0	13.4	16.1	12.8	8.6
4,500+ Grams	1.9	-	0.2	0.3	0.2	0.5	1.3	2.7	3.6	3.0	1.8
Unknown	0.0	-	0.7	0.3	0.0	-	0.0	0.0	-	0.0	0.4

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table C3. Number and Percent of Births by Race/Ethnicity of Mother and Birthweight, Wisconsin 2001

Birthweight	Total	White	Black/Afr. American	American Indian	Hispanic/ Latino	Laotian/ Hmong	Other
				Number			
Total	**69,012**	**53,969**	**6,467**	**916**	**5,145**	**1,046**	**1,446**
<500 Grams	117	52	48	1	13	-	3
500-999 Grams	335	205	88	5	27	4	5
1,000-1,499 Gms	433	288	103	8	24	3	7
1,500-1,999 Gms	910	649	165	15	57	5	19
2,000-2,499 Gms	2,762	1,965	454	31	197	48	67
2,500-2,999 Gms	10,327	7,302	1,548	108	799	262	303
3,000-3,499 Gms	24,736	18,953	2,454	286	2,002	448	586
3,500-3,999 Gms	21,191	17,468	1,305	301	1,522	226	362
4,000-4,499 Gms	6,850	5,910	259	133	421	43	82
4,500+ Grams	1,332	1,158	43	28	83	7	12
Unknown	19	-	-	-	-	-	-
				Percent			
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
<500 Grams	0.2	0.1	0.7	0.1	0.3	-	0.2
500-999 Grams	0.5	0.4	1.4	0.5	0.5	0.4	0.3
1,000-1,499 Gms	0.6	0.5	1.6	0.9	0.5	0.3	0.5
1,500-1,999 Gms	1.3	1.2	2.6	1.6	1.1	0.5	1.3
2,000-2,499 Gms	4.0	3.6	7.0	3.4	3.8	4.6	4.6
2,500-2,999 Gms	15.0	13.5	23.9	11.8	15.5	25.0	21.0
3,000-3,499 Gms	35.8	35.1	37.9	31.2	38.9	42.8	40.5
3,500-3,999 Gms	30.7	32.4	20.2	32.9	29.6	21.6	25.0
4,000-4,499 Gms	9.9	11.0	4.0	14.5	8.2	4.1	5.7
4,500+ Grams	1.9	2.1	0.7	3.1	1.6	0.7	0.8
Unknown	0.0	0.0	-	-	-	-	-

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 23 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category.

Table D. Fetal, Neonatal, and Infant Deaths by Selected Characteristics, Wisconsin 2001

	Fetal Deaths (Gestation >20 weeks)		Neonatal Deaths (Age <28 days)		Infant Deaths (Age <1 year)	
	Number	Rate	Number	Rate	Number	Rate
Total	**375**	**5.4**	**323**	**4.7**	**491**	**7.1**
Sex of Infant						
Male	182	5.2	163	4.7	253	7.2
Female	184	5.4	159	4.7	237	7.0
Unknown	9	-	1	-	1	-
Birthweight						
1,499 Grams or Less	207	189.6	206	232.8	219	247.5
1,500-2,499 Grams	74	19.8	38	10.3	64	17.4
2,500+ Grams	86	1.3	67	1.0	196	3.0
Unknown	8	-	12	-	12	-
White Non-Hispanic	265	4.9	209	3.9	305	5.7
1,499 Grams or Less	142	206.7	116	212.8	124	227.5
1,500-2,499 Grams	53	19.9	30	11.5	44	16.8
2,500+ Grams	65	1.3	51	1.0	125	2.5
Unknown	5	-	12	-	12	-
Black Non-Hispanic	61	9.3	73	11.3	121	18.7
1,499 Grams or Less	37	134.1	64	267.8	69	288.7
1,500-2,499 Grams	11	-	3	-	10	-
2,500+ Grams	11	-	6	-	42	7.5
Unknown	2	-	-	-	-	-
Computed Estimate of Gestational Age (Weeks)						
Less than 37	286	39.0	99	14.0	130	18.4
37-39	65	2.1	21	0.7	58	1.9
40-41	19	-	14	-	34	1.6
42+	1	-	5	-	15	-
Unknown	4	-	184	68.8	254	95.0
Marital Status						
Married	218	4.5	177	3.7	246	5.1
Unmarried	156	7.4	146	7.0	245	11.7
Unknown	1	-	-	-	-	-
Education of Mother						
Elementary or Less	16	-	9	-	18	-
Some High School	56	6.3	66	7.5	123	14.0
High School Graduate	121	5.7	115	5.4	171	8.0
Some College	81	4.9	74	4.5	101	6.1
College Graduate	51	4.3	29	2.5	39	3.3
Post Graduate	22	2.7	24	3.0	31	3.9
Unknown	28	128.4	6	-	8	-

(Continued)

Table D. Fetal, Neonatal, and Infant Deaths by Selected Characteristics, Wisconsin 2001

	Fetal Deaths (Gestation >20 weeks)		Neonatal Deaths (Age <28 days)		Infant Deaths (Age <1 year)	
	Number	Rate	Number	Rate	Number	Rate
Age of Mother						
<15	1	-	1	-	2	-
15-17	19	-	18	-	30	13.8
18-19	27	5.8	28	6.1	50	10.9
20-24	78	4.9	76	4.8	141	8.8
25-29	94	4.9	96	5.0	123	6.4
30-34	97	5.4	66	3.7	88	5.0
35-39	48	6.2	30	3.9	45	5.8
40+	9	-	8	-	12	-
Unknown	2	-	-	-	-	-
Race of Mother						
White	265	4.9	209	3.9	305	5.7
Black/African American	61	9.3	73	11.3	121	18.7
American Indian	9	-	7	-	16	-
Hispanic/Latino	28	5.4	25	4.9	36	7.0
Laotian/Hmong	3	-	4	-	7	-
Other	6	-	5	-	6	-
Unknown	3	-	-	-	-	-
Trimester Prenatal Care						
First	289	5.0	242	4.2	370	6.4
Second	43	4.8	37	4.2	69	7.8
Third	11	-	9	-	14	-
None	22	38.5	25	45.5	28	50.9
Unknown	10	-	10	-	10	-
Number of Prenatal Care						
No Visits	25	43.6	25	45.5	28	51.0
1-4 Visits	90	43.2	74	37.1	84	42.1
5-9 Visits	130	10.2	107	8.5	154	12.2
10-12 Visits	70	2.3	56	1.9	122	4.8
13+ Visits	48	2.0	50	2.1	91	3.9
Unknown	12	-	11	-	12	-
Plurality						
Single Birth	349	5.2	260	3.9	420	6.3
Multiple Birth	25	11.9	63	30.5	71	34.3
Unknown	1	-	-	-	-	-
Smoked During Pregnancy						
No	296	5.1	261	4.5	370	6.4
Yes	77	7.0	59	5.4	118	10.8
Unknown	2	-	3	-	3	-

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

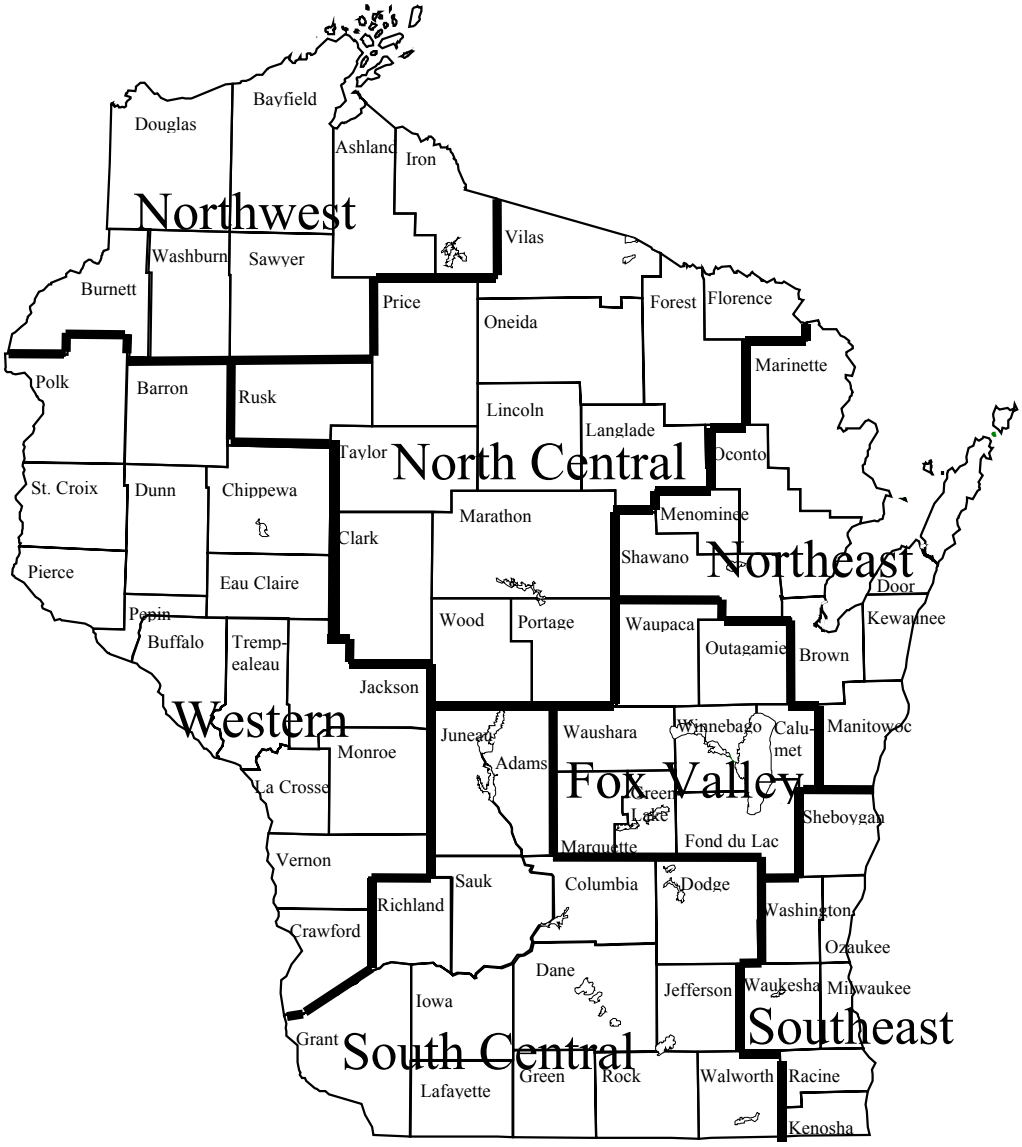
Notes: The fetal death rate is based on the number of fetal deaths per 1,000 live births and reported fetal deaths.
The neonatal death rate is based on the number of neonatal deaths per 1,000 live births.
The infant death rate is based on the number of infant deaths per 1,000 live births.
Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.

Map 1. Wisconsin Department of Health and Family Services Regions, 2001

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: As of July 1, 1996, new Department of Health and Family Services regions were established. Comparisons with regional data in previous publications may therefore be affected.

Map 2. Wisconsin Perinatal Regions, 2001



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

DEPARTMENT OF HEALTH & FAMILY SERVICES
Division of Health Care Financing
HCF 5103B (Rev. 05/00)

STATE OF WISCONSIN
Chapter 69, Wisconsin Statutes

BIRTH CERTIFICATE WORKSHEET

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

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

PART I INFORMANT LEGAL INFORMATION

Mother

16. Mother's Current Name — First | Middle | Last

17. Mother's Birth Name (Maiden Name) — First | Middle | Last

18. Mother's Date of Birth (Mo./Day/Yr.) (spell out month)

19. Mother's State of Birth (if not in the U.S.A., name the country)

For items 20-23, enter the mother's legal residence (the physical location where the mother lives). Name the city, village or township (Minor Civil Division) where the home is located. This is not always the same as the mailing address.* ***Do not name an unincorporated place.*

20. Residence State (If not in the U.S.A., name the country)

21. Residence County

22. Residence Inside City, Village, Township of:

23. Check One: ☐ City ☐ Village ☐ Township

Husband

Husband Information: Read the information on the page to the left labeled "E. Husband/Father Information on the Birth Certificate" before entering any of the items pertaining to the husband on the worksheet and before completing item 35, "Is Mother Married?".

24. Husband's Name — First | Middle | Last

25. Husband's Date of Birth (Mo./Day/Yr.) (spell out month)

26. Husband's State of Birth (if not in U.S.A., name the country)

32. Informant Name

33. Relation to Child (do not enter "father" if informant is not listed as husband in item 24)

CHILD'S NAME (Read the information to the left labeled "D. Naming Your Child" before completing this section.) Print the name as you want it to appear on the legal birth record.

First | Middle | Last | Title (e.g. Jr., II, III, etc.)

PART II INFORMANT CONFIDENTIAL LEGAL INFORMATION
(This Information Does Not Appear on Certified Copies of The Birth Certificate)

34a. Mother's Mailing Address (Street or RFD, City / Village / Post Office, State, ZIP). The Birth Notification form will be sent to this address. If the infant is being placed for adoption or this possibility is under consideration, check the box and do not provide an address.

☐ Child may/will be placed for adoption

34b. Social Security Number Requested by Parents? Read the information on the page to the left labeled, "G. Social Security Number Requested" before answering this question. The infant must be named and the mother's mailing address must be complete if the box is checked "Yes".

☐ YES ☐ NO

34c. Mother's Social Security Number

34d. Husband's Social Security Number

35. Is Mother Married (at any time between conception and birth)? Read the information labeled "E. Husband/Father Information" on the page to the left before answering this question.

☐ YES ☐ NO

*Parent/Informant Signature and Date. I certify that the information I have provided in the shaded areas of both sides of this form is correct to the best of my knowledge and belief.

Signature ☛ **Date Signed**

**Only the mother and/or the husband named in item 24 may name the child and/or authorize a request for a social security number for the child. If the informant is someone other than the mother or husband, the mother or husband must co-sign this document.*

PART I RECORD FILER LEGAL INFORMATION
(RECORD FILER: TYPE OR PRINT CHILD'S NAME AND RE-VERIFY WITH NAME GIVEN ABOVE BY INFORMANT)

1. Child's Name: First | Middle | Last | Title (e.g. Jr., II, III, etc.)

2. Sex ☐ Male ☐ Female

3. Date of Birth (Month/Day/Year) (spell out month)

4. Hour (specify hour and minute and check appropriate box) ☐ AM ☐ PM ☐ Noon ☐ Midnight

5a. Birth Facility ☐ Clinic/Dr. Office ☐ Residence ☐ Hospital ☐ Birth Center ☐ Other

5b. If at or en route to a hospital, give name

5c. If not at or en route to a hospital, give street address where birth occurred (where placenta was delivered)

6. County of Birth:

7. Birth Occurred Inside City, Village, Township of:

8. Check One: ☐ City ☐ Village ☐ Township

9a. Attendant Name

9b. Wis. License #

10. Title 1. ☐ M.D. 2. ☐ D.O. 3. ☐ C.N.M. 4. ☐ Other MDWF 5. ☐ Other

11. Name of Filing Party [s. 69.14(1)(c)] and **Title**

12. Date Completed (Month/Day/Year) (spell out month)

13. Mailing Address of Filing Party ☐ Same as Hospital. If not at a hospital, give complete mailing address

27. Birthweight (original unconverted) grams OR lbs. oz.

28. Crown-Heel Length (original unconverted) centimeters OR in.

29. If infant Died (Mo./Day/Yr.) (spell out month) ☐ Died

30. Plurality (single, twin, triplet, etc.)

31. If Not Single Birth: (born first, second, third, etc.)

Sample

Part III - CONFIDENTIAL MEDICAL / STATISTICAL INFORMATION (HCF-5103B, Page 2)

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

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

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

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

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

Examples:

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

	36. RACE (White, Black Amer. Ind., etc.)	37. HISPANIC ORIGIN (Specify Mexican, Puerto Rican, Cuban, etc.)	38. EDUCATION (Highest Grade Completed Elem./Second (0-12) College (1-4 or 5+))	39. EMPLOYMENT ONE YEAR AGO: Occupation	Type of Firm or Agency
Mother	a	a No	a	a	b
Husband	b	b No	b	c	d

40. PREGNANCY HISTORY (Obtain from informant if necessary)

LIVE BIRTHS (exclude this child): Now Living a. ___ Number (None ☐); Now Dead b. ___ Number (None ☐); DATE OF LAST LIVE BIRTH Month/Year c.

OTHER TERMINATIONS (Spontaneous or induced): Less than 20 wks. d. ___ Number (None ☐); 20 wks. or more e. ___ Number (None ☐); DATE OF LAST OTHER TERMINATION Month/Year f.

41. CLINICAL ESTIMATE OF GESTATION (Weeks)

42. DATE LAST NORMAL MENSES BEGAN (Month Day Year)

43. MONTH OF PREGNANCY PRENATAL CARE BEGAN (Month 1-9 / Not Trimester)

44. TOTAL NUMBER OF PRENATAL VISITS: Number ___ (NONE ☐)

45. APGAR SCORE: 1 minute a. ___ 5 minute b. ___

46. MOTHER TRANSFERRED PRIOR TO DELIVERY? YES ☐ NO ☐

47. INFANT TRANSFERRED TO INTENSIVE CARE OR ANOTHER HOSPITAL? YES ☐ NO ☐

If yes, Name facility and city:

Date of Transfer (Month Day Year)

CIGARETTE USE AND ALCOHOL USE. If the mother smoked cigarettes or consumed alcohol at any time during the pregnancy, check the "Yes" box for the appropriate item. Enter the average number of cigarettes smoked per day and/or the average number of alcoholic drinks consumed per week. If the average is less than "1", enter "0" (zero).

If the mother did not smoke cigarettes or drink alcohol at any time during the pregnancy, check "NO" for the appropriate item.

48a. Cigarette use during pregnancy?	48b. Alcohol Use During Pregnancy?	48c. Weight Gain/Loss During Pregnancy.
Yes ☐ No ☐ If yes, avg. number cigarettes per day _____	Yes ☐ No ☐ If yes, avg. number drinks per week _____	Net pounds gained _____ OR Net pounds lost _____

CHECK ALL THAT APPLY

49. MEDICAL HISTORY FOR THIS PREGNANCY

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

50. OBSTETRIC PROCEDURES

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

51. EVENTS OF LABOR AND/OR DELIVERY

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

52. METHOD OF DELIVERY

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

53. ABNORMAL CONDITIONS OF THE NEWBORN

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

54. CONGENITAL ANOMALIES OF CHILD

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

Sample

DOH 5040 (Rev 9/96)
Chap. 69, Wis. Stats.

STATE OF WISCONSIN
DEPARTMENT OF HEALTH AND FAMILY SERVICES
ORIGINAL CERTIFICATE OF DEATH

STATE FILING DATE
STATE DEATH NO.

Type or Print Use Permanent Black Ink No Whiteout or Erasures

Reserved for Corrections & Amendments

LOCAL FILE NUMBER

1. DECEDENT'S NAME First Full Middle Last
2. SEX M F
3. SOC. SEC. NUMBER OF DECEDENT
4a. PRONOUNCED DEAD DATE Mo Day Yr
4b. HOUR Hour
5. BODY FOUND 24+ hours after death M Y N

6a. AGE (Years) (Last Birthday)
b. Under 1 yr Mos Days
c. Under 1 day Hours Min
7. DATE OF BIRTH Mo. Day Yr.
8a. COUNTY OF DEATH
8b. DEATH OCCURRED INSIDE CITY, VILL, TOWNSHIP
8c. (CHECK ONE) City Vill Township

9. DEATH AT HOSPITAL
1. Inpat. 3. DOA-From Nur. Hm. 5. DOA-From Other
2. Outpat. 4. ER-From Nur. Hm. 6. ER-From Other
10. OTHER PLACE N.H. Other Res. of deceased
11a. HOSPITAL (AND CAMPUS) OR NURSING HOME (If not in Hospital or Nursing Home give street address.)
11b. NURSING HOME LICENSE NO.
12. MARITAL STATUS Married Never Married Divorced Widowed

13a. RESIDENCE - STATE
13b. RESIDENCE - COUNTY
13c. RESIDENCE - INSIDE CITY, VILLAGE, TOWNSHIP
13d. (CHECK ONE) City Vill Township
14a. NUMBER AND STREET
14b. ZIP CODE

15. STATE OF BIRTH (Country if not in U.S.)
16. FATHER'S NAME: First Middle Last
17. MOTHER'S NAME: First Middle Birth Surname

18. RACE (e.g. White, Black, Am. Indian, etc.)
19. HISPANIC ORIGIN? Specify Cuban, Mexican, etc. No
20. USUAL OCCUPATION (Do not enter "Retired")
21. KIND OF BUSINESS / INDUSTRY

21. EDUCATION Highest grade completed Elementary (0-12) College (1-5+)
22. DECEDENT EVER IN U.S. ARMED FORCES? YES NO
23. SURVIVING SPOUSE (If wife, give birth surname, or married surname) (First, Middle, Last)

24a. INFORMANT'S NAME
24b. MAILING ADDRESS Street City/Village State ZIP

25. METHOD OF DISPOSITION Burial Cremation Donation
26. PLACE OF DISPOSITION (Name of cemetery, crematory, or other place)
27. LOCATION City/Village/Township State
28. DATE SIGNED BY FUNERAL SERVICE LICENSEE (Mo., Day, Yr.)
29. DATE RECEIVED FROM MED. CERT. (Mo., Day, Yr.)

30a. FUNERAL SERVICE LICENSEE (or person acting as such)
Signature
30b. WI. LICENSE NO.
31. NAME AND MAILING ADDRESS OF FACILITY (Street and number, City, State, Zip)

32 MEDICAL CERTIFIER (Check One)
CERTIFYING PHYSICIAN - To the best of my knowledge death was pronounced and occurred at the time(s) and due to the causes stated.
CORONER/M.E. - On the basis of examination and/or investigation, in my opinion, death was pronounced and occurred at the time(s) and due to the causes and manner stated.

33. DATE OF DEATH (Mo., Day, Yr.)
34. AUTOPSY PERFORMED? YES NO
35a. MEDICAL CERTIFIER SIGNATURE & TITLE (Black Ink)
35b. DATE SIGNED (Mo., Day, Yr.)
36a. MEDICAL CERTIFIER'S NAME
36b. WI. PHYSICIAN LICENSE NO. C/ME Code
37. CERTIFIER'S MAILING ADDRESS (Street, & Number, City, State, ZIP)

38. MANNER OF DEATH
1. Natural 4. Homicide
2. Accident 5. Undet.
3. Suicide 6. Pending
39. DATE OF INJURY (Mo., Day, Yr.)
40. HOUR OF INJURY M
41. PLACE OF INJURY (Home, Street, Farm, etc.) Specify
42. INJURY AT WORK? YES NO
43a. LOCATION Street or RFD, City or Vill., and State in which injury occurred
43b. COUNTY
44. REGISTRAR SIGNATURE
45. DATE RECEIVED BY REGISTRAR (Mo., Day, Yr.)

46. PART I. Enter the diseases, injuries or complications that caused the death. Do not enter the mode of dying such as cardiac or respiratory arrest, shock or heart failure. List only one cause of death on each line. Do not list old age or senility as sole cause.

IMMEDIATE CAUSE (Final disease or condition resulting in death.)
(a) (DUE TO OR AS A CONSEQUENCE OF):
(b) (DUE TO OR AS A CONSEQUENCE OF):
(c) (DUE TO OR AS A CONSEQUENCE OF):
(d)

Sequentially list conditions if any, leading to immediate cause. ENTER UNDERLYING CAUSE LAST. (Disease or injury that initiated events resulting in death)

Interval between onset and death

PART II Other significant conditions contributing to death but not resulting in underlying cause given in Part I.

47. IF INJURY, DESCRIBE HOW INJURY OCCURRED

SAMPLE

Type or Print In Permanent Black Ink

DOH 5042 Rev. 9-96
Chapter 69, Wis. State

STATE OF WISCONSIN
DEPARTMENT OF HEALTH AND FAMILY SERVICES

STATE FILING NO.

REPORT OF FETAL DEATH

FOR STATISTICAL PURPOSES ONLY

NAME (First, Middle, Last) (Optional - May be left blank) | 1. DATE OF DELIVERY (Month, Day, Year) | 2. HOUR M | 3. SEX Male Female

4a. Plurality Single, Twin, Triplet, etc. (Specify) | 4b. IF NOT SINGLE Specify: First, Second, etc. | 5. HOSPITAL - NAME and CAMPUS (If not in hospital, give street and number or location)

6. COUNTY OF DELIVERY | 7. DELIVERY OCCURRED INSIDE CITY, VILLAGE, TOWNSHIP | 8. (CHECK ONE) City Vill. Townsho

9. ATTENDANT NAME | 10. WISCONSIN LICENSE NUMBER | 11. TITLE 1 M.D. 2 D.O. 3 CNM 4 Oth. MDWF. 5 Other

12a. FILING PARTY [s. 69.18(1)(e)] NAME AND TITLE | 12b. DATE REPORT COMPLETED (Month, Day, Year)

13. MAILING ADDRESS OF FILING PARTY (Street & Number - City, State, ZIP)

14. NAME AND COMPLETE ADDRESS OF FACILITY DISPOSING OF REMAINS

15. MOTHER'S CURRENT NAME (First, Middle, Last) | 16. MOTHER'S BIRTH SURNAME

17. RESIDENCE - STATE | 18. RESIDENCE - COUNTY | 19. RESIDENCE INSIDE CITY, VILLAGE, TOWNSHIP | 20. (CHECK ONE) City Vill. Townsho

CONFIDENTIAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY

21. IS MOTHER MARRIED? (at any time between conception and delivery) YES NO | 22a. MOTHER'S DATE OF BIRTH (Month, Day, Year) | 22b. HUSBAND'S DATE OF BIRTH (Month, Day, Year)

	23. RACE White, Black, Amer. Ind., etc.	24. HISPANIC ORIGIN Specify Cuban, Mexican, Puerto Rican, etc.	25. EDUCATION Highest Grade Completed Elem./Second (0 - 12) College (1 - 4 or 5+)	26. EMPLOYMENT ONE YEAR AGO Occupation	Kind of Business or Industry
Husband	a.	a. No	a.		b.
Mother	b.	b. No	b.		d.

27. PREVIOUS DELIVERIES (Exclude this Delivery.)

LIVE BIRTHS	OTHER TERMINATIONS (Spontaneous or induced) (Less than 20 wks)
Now Living a.____ Number NONE	d.____ Number NONE
Now Dead b.____ Number NONE	(20 wks. or more) e.____ Number NONE

28. MONTH OF PREGNANCY PRENATAL CARE BEGAN (Month 1-9: Not pregnant) | 29. TOTAL NUMBER OF PRENATAL VISITS ____ Number NONE | 30. DATE LAST NORMAL MENSES BEGAN Month Day Year | 31. CLINICAL ESTIMATE OF GESTATION (Weeks) | DATE OF LAST LIVE BIRTH c. Month Year | DATE OF LAST OTHER TERMINATION f. Month Year

MEDICAL CODE

32. CIGARETTE USE DURING PREGNANCY? YES NO If yes, avg. number cigarettes per day. | 33. ALCOHOL USE DURING PREGNANCY? YES NO If yes, avg. number drinks per week. | 34. WEIGHT GAIN/LOSS DURING PREGNANCY. Net pounds gained. OR Net pounds lost.

35. PART I FETAL DEATH WAS CAUSED BY: ☐ Pending. Complete when assessment results are known | Fetal or Maternal Cause (State Which)

Fetal or maternal condition directly causing fetal death — A. Immediate Cause

Fetal and/or maternal conditions, if any, giving rise to the immediate cause (A) stating the underlying cause last — B. Due to, or as a Consequence of: — C. Due to, or as a Consequence of:

PART II OTHER SIGNIFICANT CONDITIONS of fetus or mother: conditions contributing to fetal death but not related to cause given in PART I (A) | 36. FETUS DIED 1. Before Labor 2. During Labor 3. During Deliv. 4. Unknown

37. BIRTHWEIGHT OF FETUS (Original unconverted lbs. or grams) ____ Grams OR ____ lbs. ____ oz. | 38. CROWN - HEEL LENGTH (Orignal unconverted inches or centimeters) ____ centimeters OR ____ in.

CHECK ALL THAT APPLY

39. MEDICAL HISTORY FOR THIS PREGNANCY

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

40. OBSTETRIC PROCEDURES

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

41. EVENTS OF LABOR AND/OR DELIVERY

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

42. METHOD OF DELIVERY

- 01A ☐ Vaginal
- 02B ☐ Vaginal after previous C-section
- 03C ☐ Primary C-section
- 04D ☐ Repeat C-section
- 05E ☐ Forceps
- 06F ☐ Hysterotomy/Hysterectomy
- 07G ☐ Vacuum

43. ASSESSMENT (Check Each Done)

- 01A ☐ External Clinical Eval.
- 02B ☐ Autopsy
- 03C ☐ Photographs
- 04D ☐ X-Rays
- 05E ☐ Chromosomal Studies
- 06F ☐ Placental Exam
- 07G ☐ Cultures (Infectious)

44. CONGENITAL ANOMALIES OF FETUS

- 01A ☐ Anencephalus
- 02B ☐ Spina bifida/Meningocele
- 03C ☐ Hydrocephalus
- 04D ☐ Microcephalus
- 05E ☐ Other Cent. Nerv. Sys. anomalies Specify:
- 06F ☐ Heart malformations
- 07G ☐ Other Circ./respir. anomalies Specify:
- 08H ☐ Rectal atresia/stenosis
- 09I ☐ Tracheo-esophageal fistula/Esophageal atresia
- 10J ☐ Omphalocele/Gastroschisis
- 11K ☐ Other gastrointestinal anomalies Specify:
- 12L ☐ Malformed genitalia
- 13M ☐ Renal agenesis
- 14N ☐ Other urogenital anomalies Specify:
- 15O ☐ Cleft lip/palate
- 16P ☐ Polydactyly/Syndactyly/Adactyly
- 17Q ☐ Club foot
- 18R ☐ Diaphragmatic hernia
- 19S ☐ Other musculoskeletal/integumental anomalies Specify:
- 20T ☐ Down syndrome
- 21U ☐ Other chromosomal anomalies Specify:
- 22V ☐ None
- 23W ☐ Pending Assess.
- 24X ☐ Other Specify:

NOTE: THIS FORM IS REQUIRED FOR ANY DELIVERY OF 20 WEEKS OR MORE GESTATION OR IF FETUS WEIGHS 350 GRAMS OR MORE WHEN DEATH IS INDICATED BY THE FACT THAT THE FETUS SHOWS NO EVIDENCE OF LIFE. THIS FORM IS **NOT** TO BE USED FOR INDUCED ABORTIONS.

SAMPLE

Sources, Definitions and Explanations of Terms

National Data. Unless otherwise noted, national data used in this report were cited from Martin JA, Park MM, Sutton PD. Births: Preliminary data for 2001. *National Vital Statistics Reports*, Vol. 50, No. 10, National Center for Health Statistics, 2002. National infant mortality data are drawn from Mathews TJ, Menacker F, MacDorman MF. Infant mortality statistics from the 2000 period linked birth/infant death data set. *National Vital Statistics Reports,* Vol. 50, No. 12. National Center for Health Statistics, 2002.

Race/Ethnicity Classifications. All live births, fetal deaths and infant deaths were classified by race or Hispanic origin of mother into one of six categories : non-Hispanic white, non-Hispanic black/African American, non-Hispanic American Indian, Hispanic/Latino, non-Hispanic Laotian/Hmong, and non-Hispanic other (which are almost entirely Asian). The Laotian/Hmong category consists of mothers whose race was indicated as "Laotian" or "Hmong" and mothers born in Laos. Hispanics/Latinos may be of any race.

Prior to 1994, Wisconsin birth reports included a race/ethnicity category labeled "Indochinese." Beginning in 1994, this category was redefined as "Laotian/Hmong" (constituting approximately 95 percent of the Indochinese category). The remaining 5 percent of births in the Indochinese category were reallocated to the "Other" grouping; this includes Vietnamese, Cambodian, Thai, Chinese, Japanese, and East Indian.

Birth Certificate Checklists. Beginning in 1989, data on maternal health, pregnancy, delivery, and some dimensions of birth outcomes were collected in the following birth certificate checklists: "Medical history for this pregnancy," "Obstetric procedures," "Events of labor and/or delivery," "Method of delivery," "Abnormal conditions of the newborn," and "Congenital anomalies of child" (see sample birth certificate, pages 100 and 101). 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.

Definitions of "Medical Risk Factors for this Pregnancy," "Obstetric Procedures," "Complications of Labor and/or Delivery," "Abnormal Conditions of the Newborn" and "Congenital Anomalies of Child" were adapted from:

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

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

Mortality.

Infant Death. The birth-death cohort is not completed until one full year after the end of the birth cohort calendar year. This publication reports mortality data on infants who died during 2001, rather than the mortality experience of the 2001 birth cohort, to allow more timely reporting on infant mortality.

Causes of Death. Causes of death in this report have been coded according to the International Classification of Diseases (ICD), Tenth Edition. Before the 1999 data year, causes of death were coded according to the ICD, Ninth Edition. This change does not affect comparability between years for four of the five leading causes of infant death shown in this report (Conditions Originating in the Perinatal Period; Congenital Malformations, Deformations and Chromosomal Anomalies; Sudden Infant Death Syndrome or SIDS; and Accidents – see Page 31). The fifth leading cause of infant death in 2001 (Diseases of the Circulatory System) was affected by coding changes so is not readily comparable with data for the years before 1999.

Fetal Death. 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 Death. 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 four deaths in 2001 for which a maternal cause of death was reported on the death certificate. Before 1989, and beginning again in 1994, the Center for Health Statistics (now the Bureau of Health Information) followed up deaths of women of childbearing age with inquiries about pregnancy-related causes of death. Maternal deaths from 1989-1993 may be underreported because this special study was not conducted.

Perinatal Regions. These tables present birth information for each of the seven Perinatal Regions in Wisconsin (see Map 2, page 99). These regions were informally designated in the early 1970s by the Wisconsin Association for Perinatal Care, in cooperation with organizations representing public and private providers of perinatal services. Perinatal regions represent geographical boundaries within which arrangements exist among providers of perinatal services to facilitate optimal treatment for pregnant women and newborns. Within each region, selected hospitals with the capability to provide neonatal and maternal intensive care have been self-designated as perinatal centers. High-risk pregnancies and deliveries are often referred to or transported to these perinatal centers, as are high-risk babies born outside perinatal centers. Health care providers within the regions also collaborate in other ways to address perinatal health care issues as they arise.

Limitations of the Data. Vital records information has some limitations related to completeness, accuracy, and timeliness of registration, quality control procedures and classification problems. The reporting of live births and infant deaths is considered to be essentially complete for births occurring in Wisconsin. A cooperative exchange program between all states has been in operation for several decades to allocate birth and death certificates to the state of residence. Although this exchange program is not totally complete, the incompleteness is not of sufficient magnitude to seriously affect natality and infant mortality results.

Edit checks are incorporated in the software used for electronic transmission of birth certificate data, and the Vital Records Registration and Statistics Unit in the Bureau of Health Information reviews birth certificates and death certificates for logical inconsistencies. Some errors remain after this review, but they are thought to have little, if any, effect on statistical results.

There may be some underreporting of medical risk factors and types of obstetrical procedures performed. There may also be underreporting of congenital anomalies which are identifiable at birth; in addition, some congenital anomalies cannot be detected at the time the birth certificate is filed.

Medical Risk Factors for This Pregnancy: Definitions

Anemia	Maternal hemoglobin level of less than 10.0 g/dL during pregnancy, or a hematocrit of less than 30 percent during pregnancy.
Cardiac Disease	Disease of the heart.
Acute or Chronic Lung Disease	Disease of the lungs during pregnancy.
Diabetes	Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset, and gestational diabetes during pregnancy.
Genital Herpes	Infection of the skin of the genital area by herpes simplex virus.
Hydramnios/ Oligohydramnios	Any noticeable excess (hydramnios) or lack (oligohydramnios) of amniotic fluid.
Hypertension, Chronic	Blood pressure persistently greater than 140/90, diagnosed prior to onset of pregnancy or before the 20th week of gestation.

Hypertension, Pregnancy-Associated	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.
Eclampsia	The occurrence of convulsions and/or coma unrelated to other cerebral conditions in women with signs and symptoms of preeclampsia.
Incompetent Cervix	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.
Previous Infant 4,000+ Grams	Previous birth of a live-born child with a birthweight of over 4,000 grams (8 lbs., 14 oz.).
Previous Preterm or SGA Infant	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").
Renal Disease	Kidney disease.
Rh Sensitization	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.
Uterine Bleeding	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

Amniocentesis	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.
Electronic Fetal Monitoring	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.
Stimulation of Labor	Augmentation of previously established labor by use of oxytocin.
Tocolysis	Use of medications to inhibit preterm uterine contractions to extend the length of pregnancy and, therefore, avoid a preterm birth.
Ultrasound	Visualization of the fetus and the placenta by means of sound waves.

Congenital Anomalies: Definitions

Anencephalus	Absence of the cerebral hemispheres.
Spina Bifida/ Meningocele	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.
Hydrocephalus	Excessive accumulation of cerebrospinal fluid within the ventricles of the brain with consequent enlargement of the cranium.
Microcephalus	A significantly small head.
Other Central Nervous System	Other specified anomalies of the brain, spinal cord, and nervous system.
Heart Malformations	Congenital anomalies of the heart.
Other Circulatory/ Respiratory	Other specified anomalies of the circulatory and respiratory systems.
Rectal Atresia/ Stenosis	Congenital absence, closure, or narrowing of the rectum.
Tracheo-Esophageal Fistula/Esophageal Atresia	An abnormal passage between the trachea and the esophagus; esophageal atresia is the congenital absence or closure of the esophagus.
Omphalocele/ Gastroschisis	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.
Other Gastro-Intestinal	Other specified congenital anomalies of the gastrointestinal system.
Malformed Genitalia	Congenital anomalies of the reproductive organs.
Renal Agenesis	One or both kidneys are completely absent.
Other Urogenital	Other specified congenital anomalies of the organs concerned in the production and excretion of urine, together with organs of reproduction.
Cleft Lip/Palate	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.
Polydactyly/Syndactyly, Adactyly	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.

Clubfoot	Deformity of the foot, which is twisted out of shape or position.
Diaphragmatic Hernia	Herniation of the abdominal contents through the diaphragm into the thoracic cavity, usually resulting in respiratory distress.
Other Musculo-Skeletal/ Integumental	Other specified congenital anomalies of the muscles, skeleton, or skin.
Down Syndrome	The most common chromosomal defect, with most cases resulting from an extra chromosome (trisomy 21).
Other Chromosomal	All other chromosomal aberrations.

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