2002

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 2002 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 2002 (and comparative information for 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. Wisconsin Interactive Statistics on Health (WISH) is a data query system that allows users to obtain birth and other data tailored to their specifications, at http://www.dhfs.state.wi.us/wish. 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 Murray Katcher, M.D., Bureau of Family and Community Health, Division of Public Health; and by Michael Soref in the Bureau of Health Information, Research and Methods Section. The report was prepared under the supervision of

John Kiesow, State Registrar, Vital Records Section, and Jane Kraus, Supervisor, Registration and Statistics Unit, and the overall direction of John Chapin, 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.

Comments, suggestions and requests for further information may be addressed to:

Bureau of Health Information
Division of Health Care Financing
P. O. Box 309, Room 172
Madison WI 53701-0309
Telephone: (608) 267-7814,
E-mail: krausjl@dhfs.state.wi.us

Key Findings

- In 2002, there were 68,510 live births to Wisconsin residents, 502 fewer than in 2001.

- The 2002 crude birth rate in Wisconsin was 12.6 births per 1,000 total population, slightly lower than the 2001 rate (12.7). In comparison, the preliminary United States crude birth rate for 2002 was 13.9 per 1,000 population. (The crude birth rate is the number of live births per 1,000 total population.)

- The 2002 general fertility rate of 58.7 births per 1,000 Wisconsin females aged 15-44 was lower than the 2002 preliminary United States general fertility rate of 64.8 births per 1.000 (see Technical Notes, page 104, for source of U.S. data).

- In 2002, the fertility rate for Wisconsin teens aged 15-19 was 32.7 births per 1,000 females in this age group. This was lower than the rate in 2001 (34.2). In 2002, the U.S. preliminary teen fertility rate was 42.9**.**

- Wisconsin age-specific fertility rates are lower than the corresponding national rates for women aged 20-24 and women aged 35 and older. Age-specific fertility rates for women aged 25-29 and 30-34 are higher than corresponding national rates (see page 8 of this report).

- From 1992 to 2002, the percent of births to women in their late twenties decreased, while the percent of births to women in their thirties increased. The proportion of births to teens and women in their early twenties remained about the same.

- From 1992 to 2002, the proportion of Wisconsin births that were to non-Hispanic white women decreased from 83 percent to 79 percent, while the proportion of births to Hispanics increased from 3 percent to 8 percent. The proportion of births to women in other race/ethnicity groups remained roughly stable, with black women accounting for 10 percent in 1992 and 9 percent in 2002, American Indian women 1 percent in each year, and women in other groups 3 percent in each year.

- In 2002, 16 percent of Wisconsin women who gave birth had not finished high school (compared to 17 percent in 1992). Fifty-four percent of women who gave birth in 2002 had attended college for one year or more, compared to 44 percent in 1992.

- The overall proportion of women who received first-trimester prenatal care was 84 percent in 2002, compared with 82 percent in 1992. 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 15 percent in 2002.

- In 2002, 4,549 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 (same percent as in 2001). In comparison, 7.8 percent of all infants born in the United States in 2002 weighed less than 2,500 grams.

- Among low birthweight infants, 863 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,

3.3 percent of births to blacks, 0.8 percent of births to American Indians, 1.2 percent of births to Hispanics and 1.2 percent of births to Laotian/Hmong.

- In 2002, 7,297 Wisconsin infants were born prematurely (with a gestation of less than 37 weeks). This total represented 10.7 percent of all births (compared to 10.8 percent in 2001). (See Technical Notes, page 105, for full definition of prematurity.)

- In Wisconsin, 471 infants under the age of one year died in 2002. The 2002 infant mortality rate was 6.9 infant deaths per 1,000 live births, compared to 7.1 in 2001 and 7.3 in 1992. The 2001 U.S. infant mortality rate (the latest available) was 6.8 infant deaths per 1,000 live births.

- The black infant mortality rate for 2002 was 18.3 deaths per 1,000 births to black mothers, compared to 18.7 in 2001 and 14.0 in 1992. The 2002 white infant mortality rate was 5.5 deaths per 1,000 births to white women, similar to the 2001 rate (5.7) and lower than the 1992 rate (6.3). The Hispanic infant mortality rate for 2002 was 6.6 deaths per 1,000 births to Hispanic women, similar to the rate for 2001 (7.0). (There were too few Hispanic infant deaths in 1992 to present a rate.)

Ten Most Popular First Names for Newborns, Wisconsin, 2002

Females	Males
1. Emily	1. Jacob
2. Emma	2. Ethan
3. Hannah	3. Tyler
4. Olivia	4. Nicholas
5. Abigail	5. Joshua
6. Grace	6. Joseph
7. Elizabeth	7. Michael
8. Alexis	8. Alexander
9. Lauren	9. Samuel
10. Megan	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 could change the placements.

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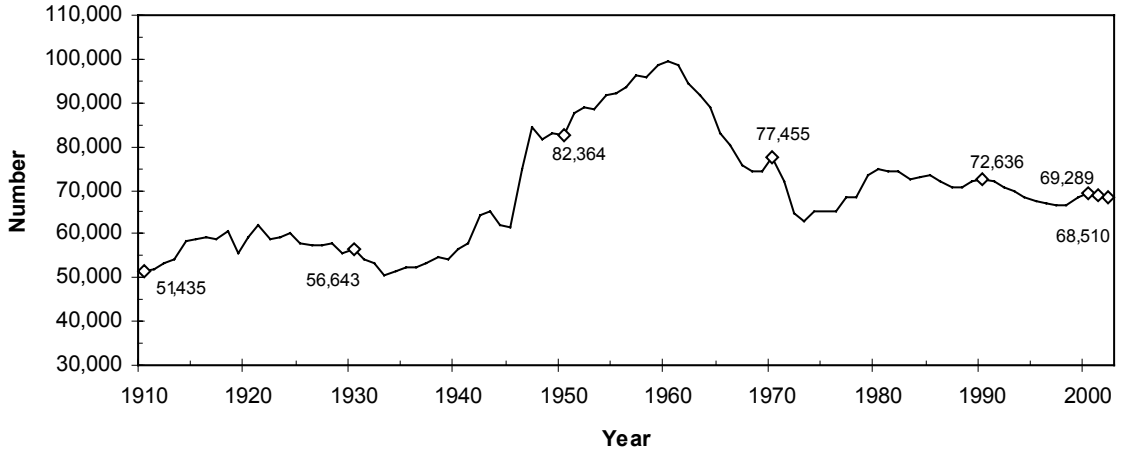
Birth and Fertility Rates

- In 2002 there were 68,510 births to Wisconsin residents, 502 fewer than in 2001.
- This marks the second decline in the annual number of births after three years of consecutive increases.
- The 2002 crude birth rate was 12.6 births per 1,000 population, slightly lower than the 2001 rate (12.7). In comparison, the preliminary United States crude birth rate for 2002 was 13.9 births per 1,000 population. (The crude birth rate is the number of live births per 1,000 total population.)
- The 2002 general fertility rate of 58.7 births per 1,000 Wisconsin females ages 15-44 was lower than the 2002 preliminary United States general fertility rate of 64.8 births per 1,000.

Figure 1. Number of Births to Wisconsin Residents, 1910-2002



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 20-24 and women aged 35 and older. Age-specific fertility rates are the number of births to a specific age group per 1,000 females in that age group.

- Fertility rates among Wisconsin women aged 25-29 and 30-34 are slightly higher than the corresponding national rates, based on United States 2002 preliminary statistics. (See Technical Notes, page 104, for source of U.S. data.)

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

Age	Wisconsin Rate		U.S. Rate
15-19	32.7	(32.2)*	42.9
15-17	17.0	(16.0)*	23.2
18-19	55.5		72.7
20-24	80.7		103.5
25-29	121.8		113.6
30-34	97.3		91.6
35-39	37.6		41.4
40-44	6.8	(6.5)*	8.3

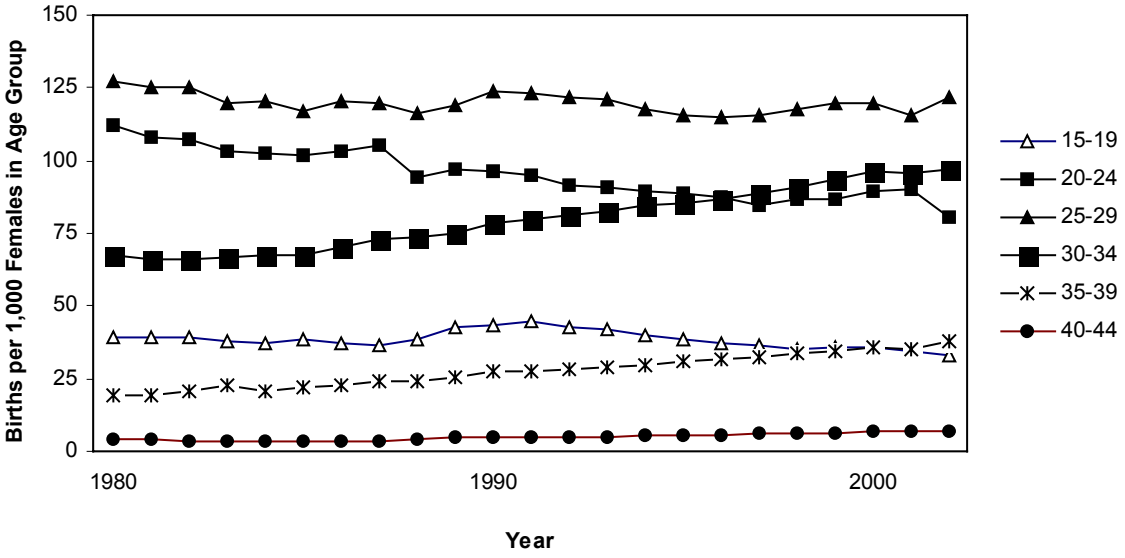
Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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 108 births to mothers less than 15 years old; the rate for mothers aged 40-44 includes 66 births to mothers aged 45 or older. U.S. rates for ages 15-19 and 15-17 do not include births to mothers less than 15 years old; the U.S. rate for ages 40-44 does not include births to mothers aged 45 or older.

*Wisconsin rates in parentheses are calculated to be comparable to U.S. rates, which exclude mothers younger than 15 and mothers older than 44 from the calculations.

- Compared with 1980, age-specific fertility rates in 2002 were:
    - Lower for teens and for women aged 20-24.
    - Higher for women aged 25-29, 30-34 and 35 plus.

Figure 2. Age-Specific Fertility Rates, Wisconsin, 1980-2002



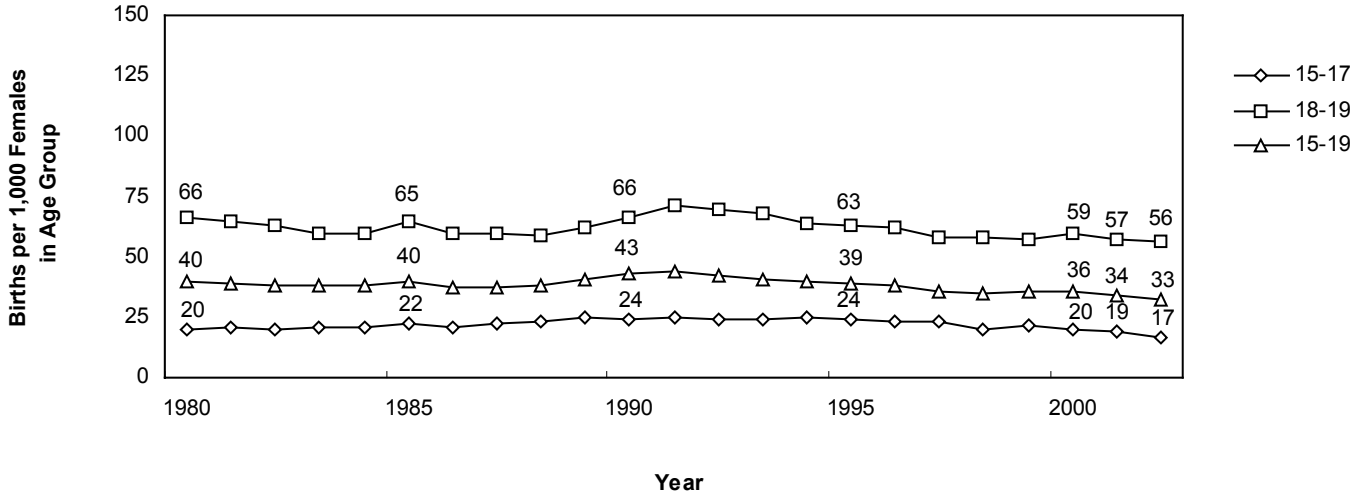
Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

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 2002, the fertility rate for Wisconsin teens aged 15-19 was 32.7 births per 1,000 females in this age group. This was lower than the rate in 2001 (34.2).

- For many years the Wisconsin teen fertility rate has been lower than the comparable national rate. In 2002, the U.S. teen fertility rate was 42.9.

Figure 3. Teen Birth Rates, Wisconsin, 1980-2002



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

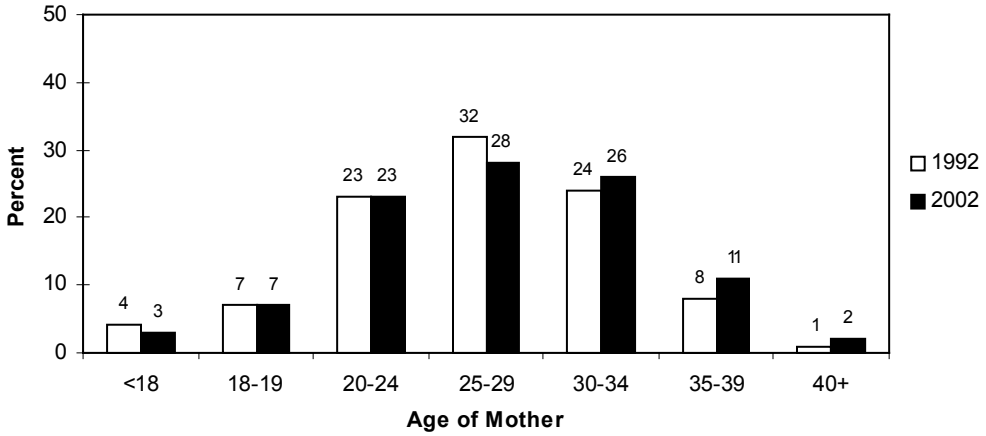
Age of Mother

Births in 2002 included:

108	births to teens less than 15 years old
1,898	births to teens 15-17 years old
4,528	births to teens 18-19 years old
15,688	births to women aged 20-24
19,462	births to women aged 25-29
17,527	births to women aged 30-34
7,746	births to women aged 35-39
1,478	births to women aged 40-44
66	births to women aged 45 or older
9	births with unreported maternal age.

- From 1992 to 2002, the percent of births to women in their late twenties decreased, while the percent of births to women in their thirties increased (see Figure 4). The proportion of births to teens and women in their early twenties remained about the same.

Figure 4. Percent of Births by Age of Mother, Wisconsin, 1992 and 2002



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

Note: For detailed information on 2002 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 1992.

Teen Births by Age, Wisconsin, 1992 and 2002

Maternal Age (Teens)	1992 Number	1992 Percent	2002 Number	2002 Percent
<15	159	2%	108	2%
15-17	2,427	34	1,898	29
18-19	4,622	64	4,528	69
Total <20	7,208	100%	6,534	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 (3,509 in 2002).
- Teen births represented 9.5 percent of all births, and a higher proportion of births to blacks, American Indians, Hispanics, and Laotian/Hmong.

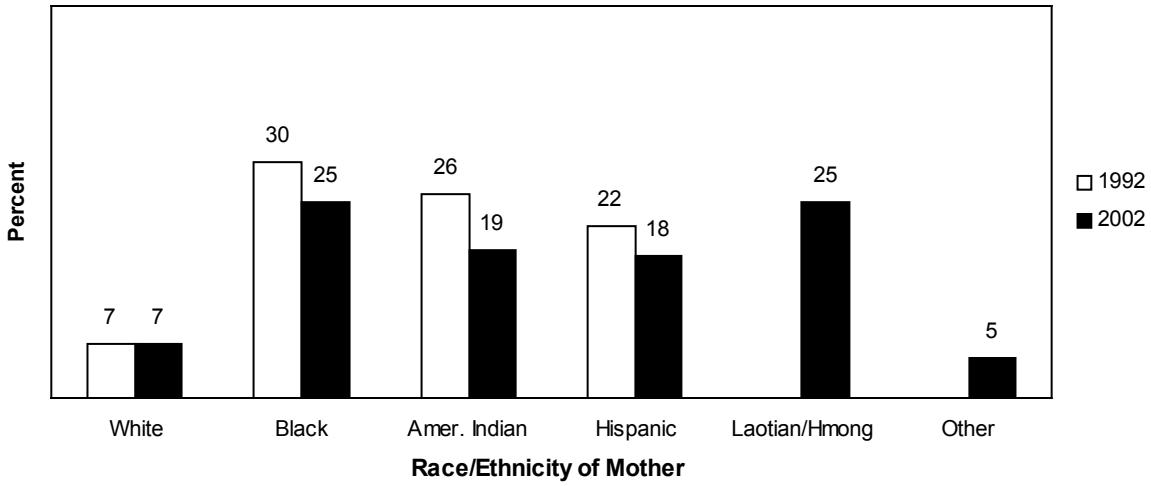
Teen Births by Race/Ethnicity, Wisconsin, 2002

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	**68,510**	**6,534**	**9.5%**	**90.4%**	**100.0%**
White	53,798	3,509	6.5	93.5	100.0
Black/African American	6,338	1,600	25.2	74.7	100.0
American Indian	974	189	19.4	80.6	100.0
Hispanic/Latino	5,274	932	17.7	82.3	100.0
Laotian/Hmong	977	244	25.0	75.0	100.0
Other	1,125	60	5.3	94.7	100.0

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.
Note: Included in the total are 24 births for which race/ethnicity of mother was not reported; none of these were to mothers under 20 years of age.

- In 2002 compared to 1992, teen births represented a smaller proportion of births to blacks (25 percent vs. 30 percent), American Indians (19 percent vs. 26 percent), and Hispanics (18 percent vs. 22 percent).

Figure 5. Births to Teens as a Percent of Total Births, by Race/Ethnicity, Wisconsin, 1992 and 2002



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.

- In 2002, 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 80 percent were first births.

Teen Births by Interval in Months Since Last Live Birth, Wisconsin, 2002

Birth Interval	All Ages	All Teens (<20)	<18	18-19	All Ages	All Teens (<20)	<18	18-19
Total	**68,510**	**6,534**	**2,006**	**4,528**	**100.0%**	**100.0%**	**100.0%**	**100.0%**
First Birth	27,005	5,255	1,830	3,425	39.4	80.4	91.2	75.6
1-11 Months	516	61	13	48	0.8	0.9	0.6	1.1
12-17 Months	3,583	289	46	243	5.2	4.4	2.3	5.4
18-23 Months	5,954	294	44	250	8.7	4.5	2.2	5.5
24 Plus Months	29,012	546	47	499	42.3	8.4	2.3	11.0
Unknown	1,382	39	7	32	2.0	0.6	0.3	0.7
Plural Delivery	1,058	50	19	31	1.5	0.8	0.9	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 9 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 2002, 53,798 births (78.5%) were to non-Hispanic white women. This percentage was about the same in 2001 (78.2%), after a 30-year decline.
- 6,338 births (9.3%) were to non-Hispanic black women. The percent of births to black women has been fairly stable since 1991.
- 974 births (1.4%) were to American Indian women. This proportion has been stable for the past decade.
- 5,274 births (7.7%) were to Hispanic women. Since 1991, this group has represented an increasing proportion of births.
- 977 births (1.4%) were to Laotian/Hmong women.
- An additional 1,125 births (1.6%) were to women in other racial/ethnic groups (mostly Asian).

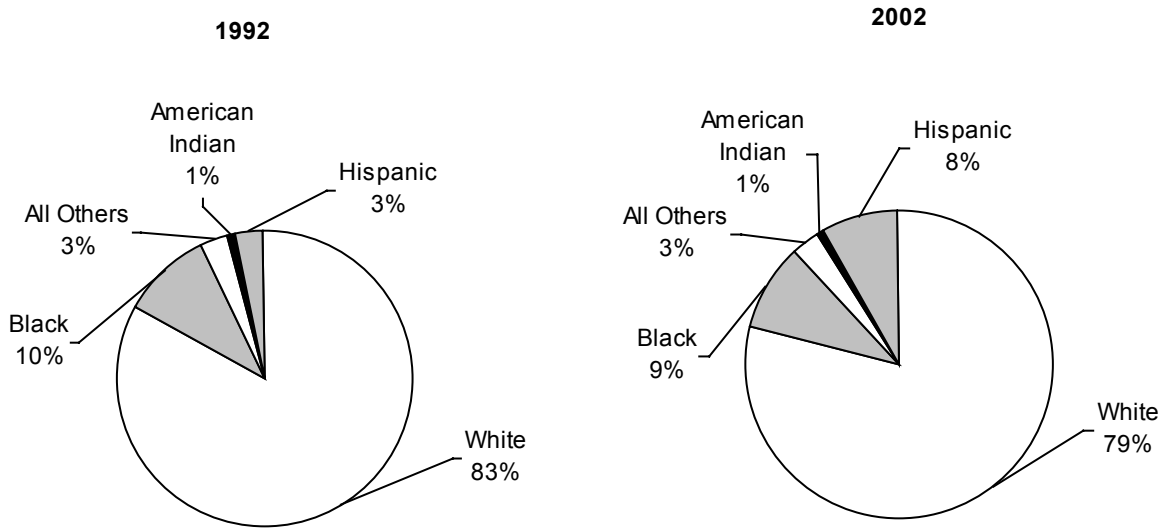
Number and Percent of Births by Race/Ethnicity, Wisconsin, 1992 and 2002

	1992		2002	
	Number	Percent	Number	Percent
Total	**70,662**	**100.0%**	**68,510**	**100.0%**
White	58,618	83.0	53,798	78.5
Black/African American	7,263	10.3	6,338	9.3
American Indian	854	1.2	974	1.4
Hispanic/Latino	2,129	3.0	5,274	7.7
Laotian/Hmong			977	1.4
Other			1,125	1.6
Unknown	8		24	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 1992 for the Laotian/Hmong and "other" groups.

Figure 6. Percent of Births by Race/Ethnicity of Mother, Wisconsin, 1992 and 2002



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 2002 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.

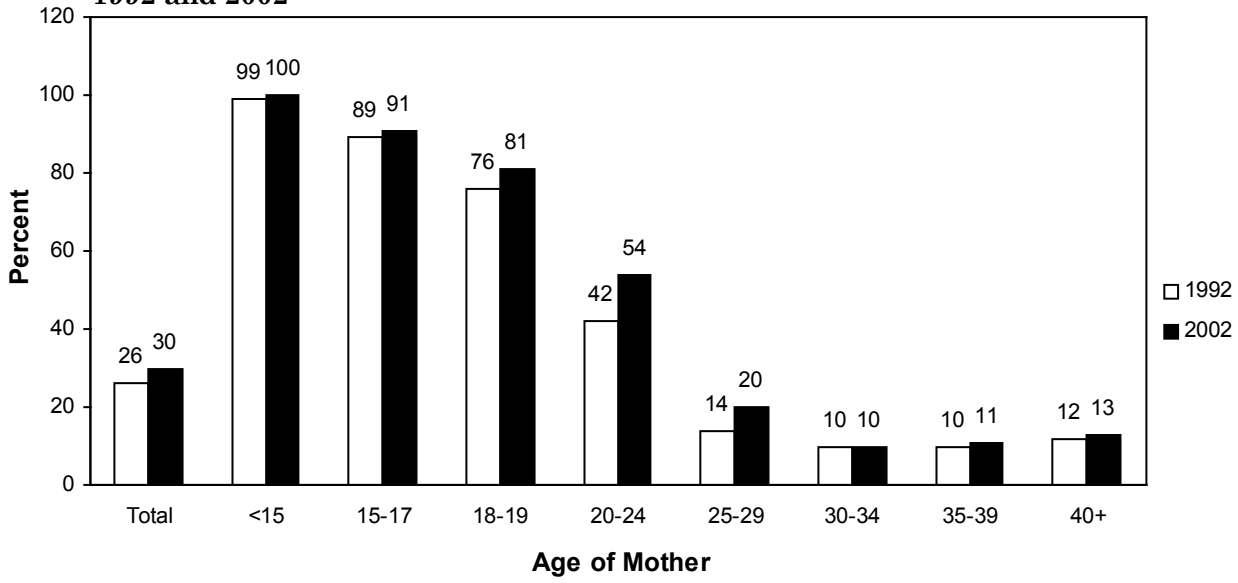
Marital Status of Mother

- In 2002, 30 percent of births were to unmarried women, compared with 26 percent in 1992.

- In general, the percent of births to mothers who are unmarried decreases with age. Eighty-one percent of those 18 to 19 years old giving birth in 2002 were unmarried, compared with only 10 percent of those aged 30-34.

- Between 1992 and 2002, the unmarried percentage increased in almost every maternal age group. The largest increase occurred among mothers aged 20-24 (from 42 to 54 percent—12 percentage points).

Figure 7. Percent of Births to Unmarried Mothers, by Age, Wisconsin, 1992 and 2002

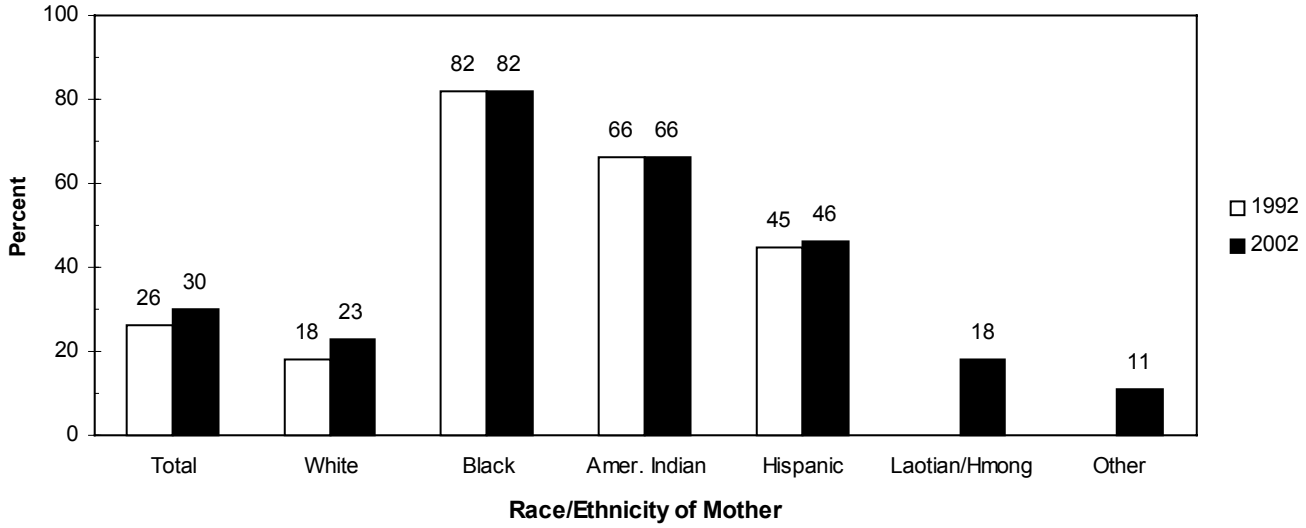


Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

- From 1992 to 2002, the percent of nonmarital births increased among whites and Hispanics, and remained stable among blacks and American Indians.

- The Wisconsin percentage of births to unmarried mothers in 2002 (30%) was lower than the national percent (34%). However, the percentage of births to unmarried mothers was higher in Wisconsin than nationally among blacks (82% vs. 68%) and Hispanics (46% vs. 43%).

Figure 8. Percent of Births to Unmarried Mothers, by Race/Ethnicity, Wisconsin, 1992 and 2002



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 for the Laotian/Hmong or Other groups.

Education of Mother

- In 2002, 16 percent of women who gave birth had not finished high school (compared with 17 percent in 1992). This proportion varied by age so that the percentages with less than a high school education in 2002 were:

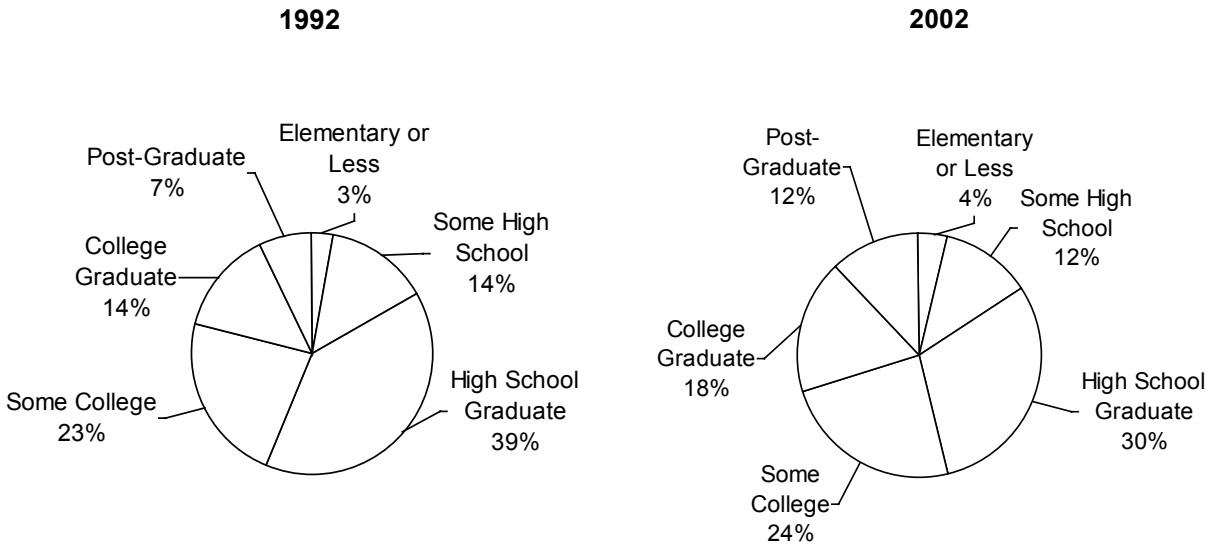
92%	Among mothers less than 18
43%	among mothers 18-19
23%	among mothers 20-24
10%	among mothers 25-29
6%	among mothers 30-34
6%	among mothers 35-39
10%	among mothers 40 or older

- On average, mothers in minority race/ethnicity groups were less likely to have completed high school. In 2002, the proportions of births to women with less than a high school education were:

9%	among whites
39%	among blacks
31%	among American Indians
53%	among Hispanics
37%	among Laotian/Hmong
9%	among other race/ethnicity groups

- Fifty-four percent of women who gave birth in 2002 had attended college for one year or more. The comparable percentage in 1992 was 44 percent.

Figure 9. Percent of Births by Education of Mother, Wisconsin, 1992 and 2002



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

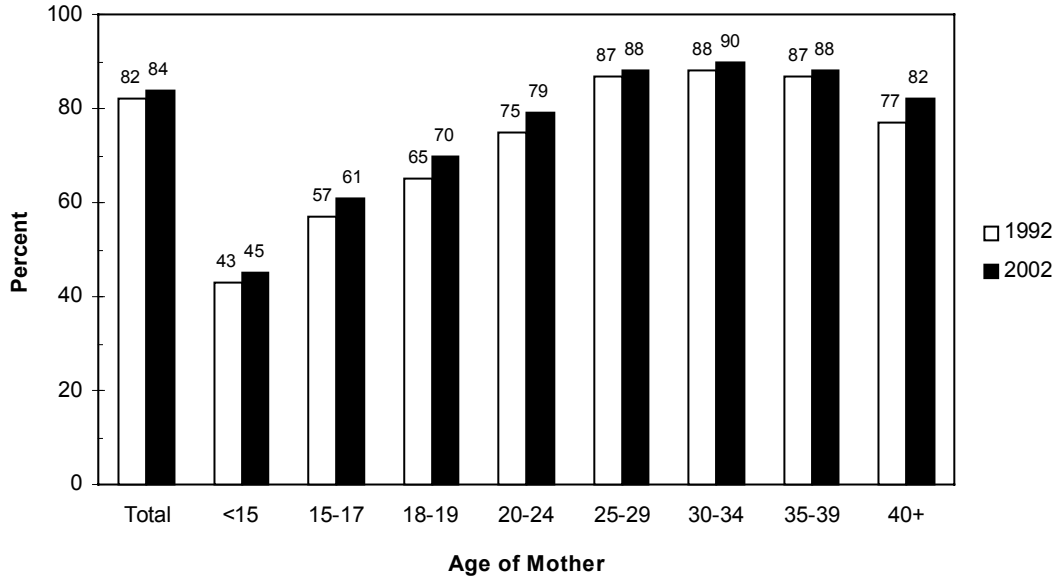
Notes: "Some High School" or "Some College" means the mother completed at least one year of schooling at that level. For detailed information on 2002 births by education of mother, see Supplementary Tables A-C, pages 86 to 92. Percents may not add to 100 due to rounding.

Characteristics of the Pregnancy and Delivery

Prenatal Care

- The overall proportion of women who received first-trimester prenatal care was 84 percent in 2002, compared with 82 percent in 1992.
- In 2,156 births in 2002, the mother either did not begin prenatal care until the third trimester of pregnancy (1,677 births) or received no care at all (479 births). These births with "late or no prenatal care" constituted 3.1 percent of all births (down from 3.6 percent in 1992).
- Teenage mothers and mothers age 40 and older were more likely to receive first-trimester care in 2002 than in 1992.
- The percent of Wisconsin women who received first-trimester prenatal care in 2002 (84%) was the same as the 2002 preliminary national figure (84%).

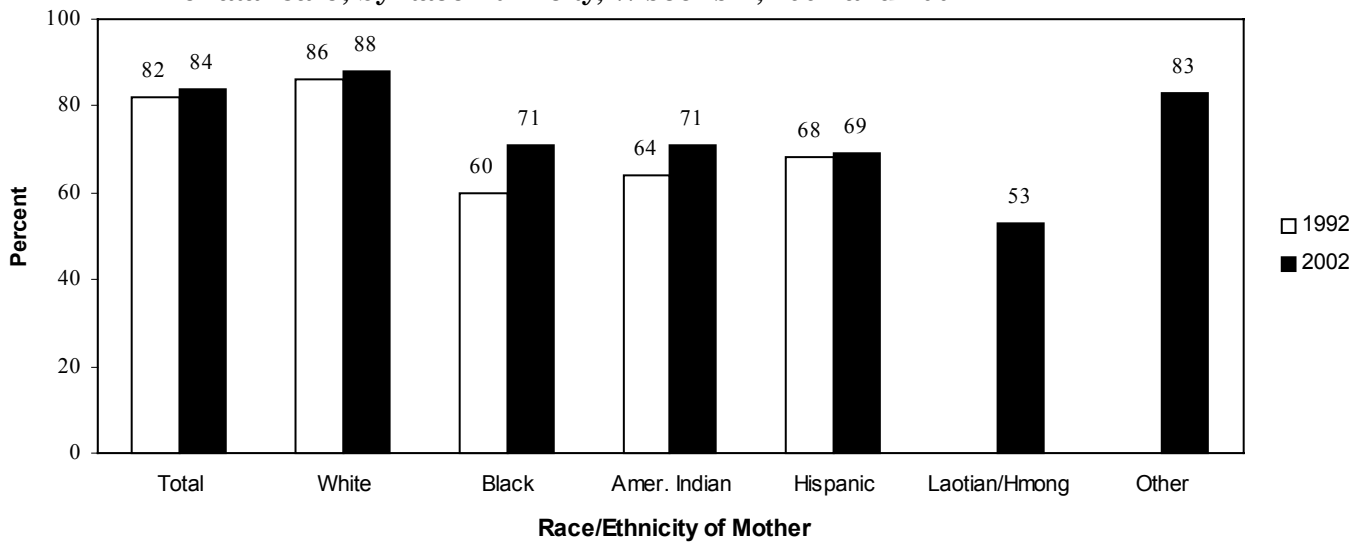
Figure 10. Percent of Births to Mothers Who Received First-Trimester Prenatal Care, by Age, Wisconsin, 1992 and 2002



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

- From 1992 to 2002, 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, 1992 and 2002



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.

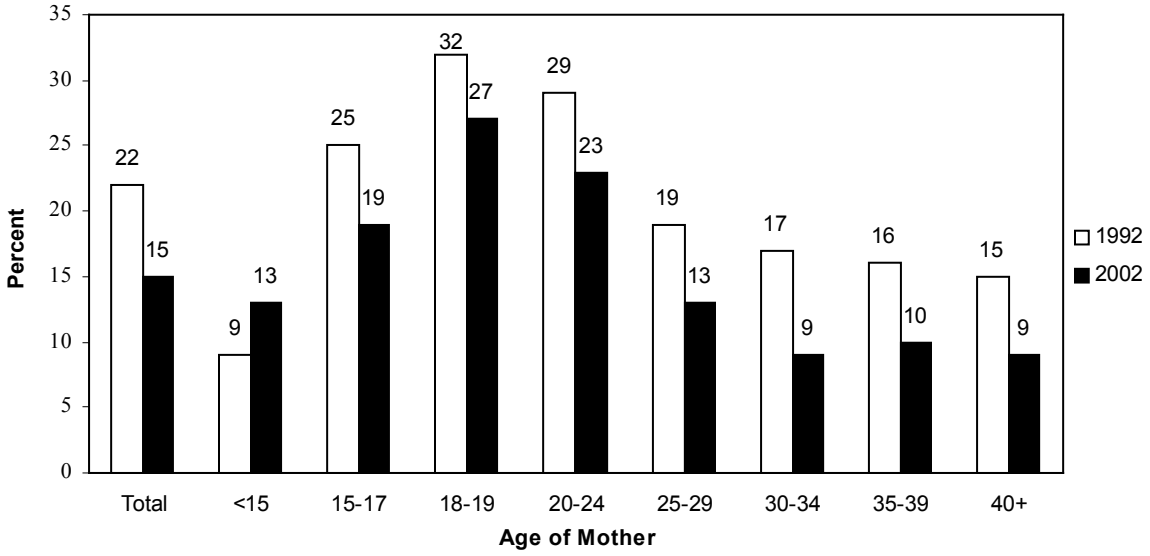
Cigarette Smoking

- 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 15 percent in 2002 (16 percent in 2001).

- From 1992 to 2002, 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 2002



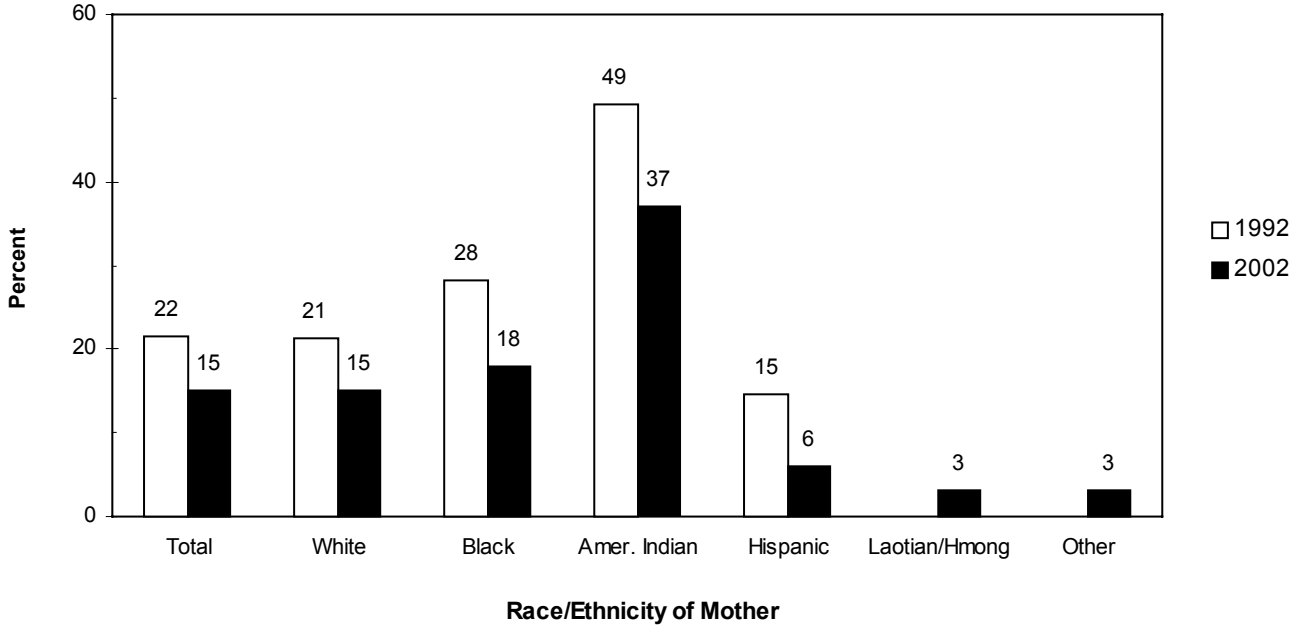
Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: For detailed information on 2002 births by smoking behavior during pregnancy, see Supplementary Tables A, B and C, pages 86 to 93.

- From 1992 to 2002, 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 (1.1% of mothers reported drinking during pregnancy in 2002) 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 2002



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 2002 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 2002 births were sexually transmitted diseases (reported in 5.5 percent of births), hypertension (6.0 percent), diabetes (4.3 percent), anemia (4.0 percent), and lung disease (3.5 percent).

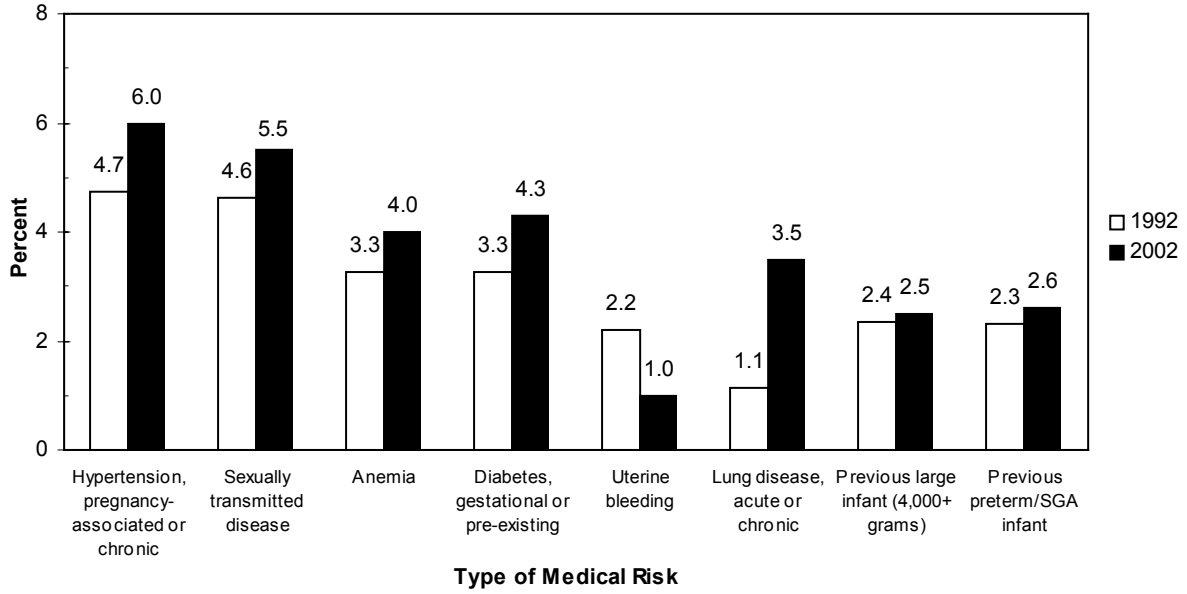
Births with Reported Medical Risk Factors, Wisconsin, 2002

	Number	Percent
Sexually Transmitted Diseases	3,800	5.5%
Hypertension	4,143	6.0
Pregnancy-Associated	3,466	5.1
Chronic	677	1.0
Diabetes	2,966	4.3
Gestational	2,590	3.8
Pre-Existing	376	0.5
Anemia	2,737	4.0
Lung Disease, Acute or Chronic	2,394	3.5
Previous Preterm/Small for Gestational Age Infant	1,783	2.6
Previous Large Infant (4,000+ grams)	1,694	2.5
Uterine Bleeding	677	1.0
Cardiac Disease	702	1.0
Hydramnios/Oligohydramnios	741	1.1
Renal Disease	387	0.6
Rh Sensitization	420	0.6
Eclampsia	260	0.4
Incompetent Cervix	231	0.3
Any Reported	30,983	45.2

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.

Figure 14. Percent of Births with Selected Maternal Medical Risk Factors, Wisconsin, 1992 and 2002



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

Methods of Delivery

In 2002, the following methods of delivery were reported:

Vaginal (no previous C-section)	52,114	76.1%
Primary C-Section	8,756	12.8
Repeat C-Section	5,356	7.8
Vaginal After Previous C-Section (VBAC)	1,198	1.7
Forceps	1,086	1.6
Other	-	-
Total	68,510	100.0%

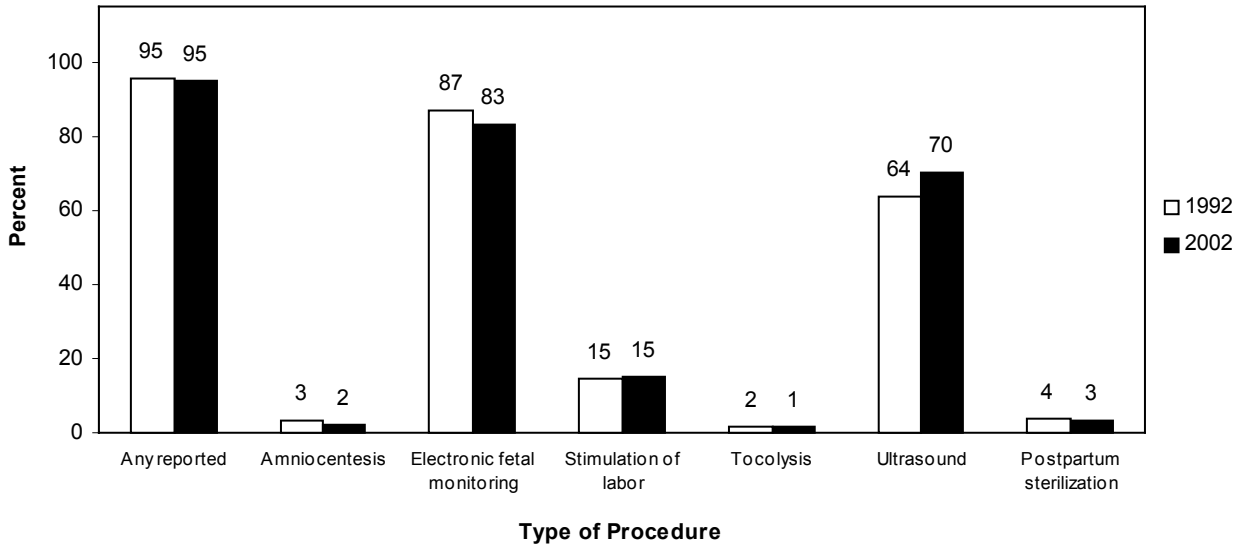
Obstetric Procedures

In 2002, births with reported obstetric procedures included:

Electronic fetal monitoring	56,989	83.2%
Ultrasound	47,892	69.9
Stimulation of labor	10,451	15.3
Amniocentesis	1,096	1.6
Postpartum sterilization	1,989	2.9
Tocolysis	980	1.4
Other Procedures	25	0.0
Births With Reported Procedure(s)	65,124	95.1

Notes: See Technical Notes for definitions of obstetric procedures. Each birth could have more than one type of procedure reported.
Data on induction of labor are not presented 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 2002



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

Characteristics of the Newborn

Low Birthweight

- In 2002, 4,549 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 (same percent as in 2001). In comparison, 7.8 percent of all infants born in the United States in 2002 weighed less than 2,500 grams.

- Among these low birthweight infants, 863 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, 3.3 percent of births to blacks, 0.8 percent of births to American Indians, and 1.2 percent of births to Laotian/Hmong.

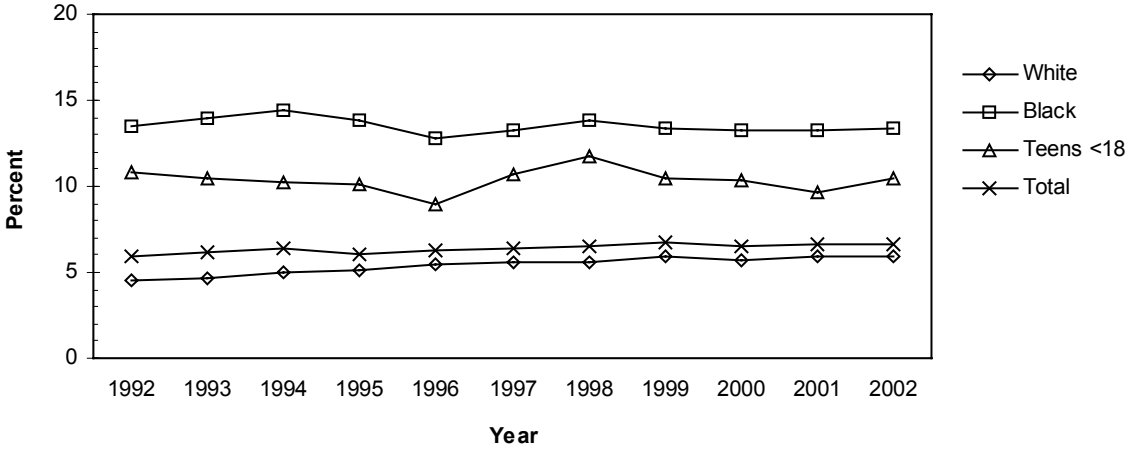
- Compared with the overall incidence of low birthweight in 2002 (6.6 percent), higher percentages of low-birthweight infants were born to:
  Mothers who received no prenatal care (24.8 percent),
  Non-Hispanic black women (13.4 percent),
  Women who smoked during pregnancy (10.8 percent),
  Mothers less than 15 years old (7.4 percent),
  Women who were unmarried (9.3 percent).
  Women with less than a high school education (9.1 percent),

- From 1992 to 2002, the low-birthweight percentage among infants born to mothers less than 18 years of age fluctuated from a low of 9.0 percent in 1996 to a high of 11.7 percent in 1998. In 2002, this percentage was 10.5 (compared with 6.5 among mothers age 18 and older).

- Forty-two 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 2002.

Figure 16. Percent of Births at Low Birthweight (< 2,500 grams), Wisconsin, 1992-2002



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

Prematurity

- In 2002, 7,297 Wisconsin infants were born prematurely (with a gestation of less than 37 weeks). This total represented 10.7 percent of all births (compared to 10.8 percent in 2001). (See Technical Notes, page 105, for full definition of prematurity.)

- Compared with the overall proportion of premature infants in 2002 (10.7 percent), higher percentages of premature infants were born to:
  Non-Hispanic black women (16.9 percent),
  Teenagers less than 18 years old (16.4 percent),
  Laotian/Hmong women (14.1 percent),
  Women who were unmarried (13.3 percent),
  Women with less than a high school education (12.8 percent),
  Women who smoked during pregnancy (12.5 percent).

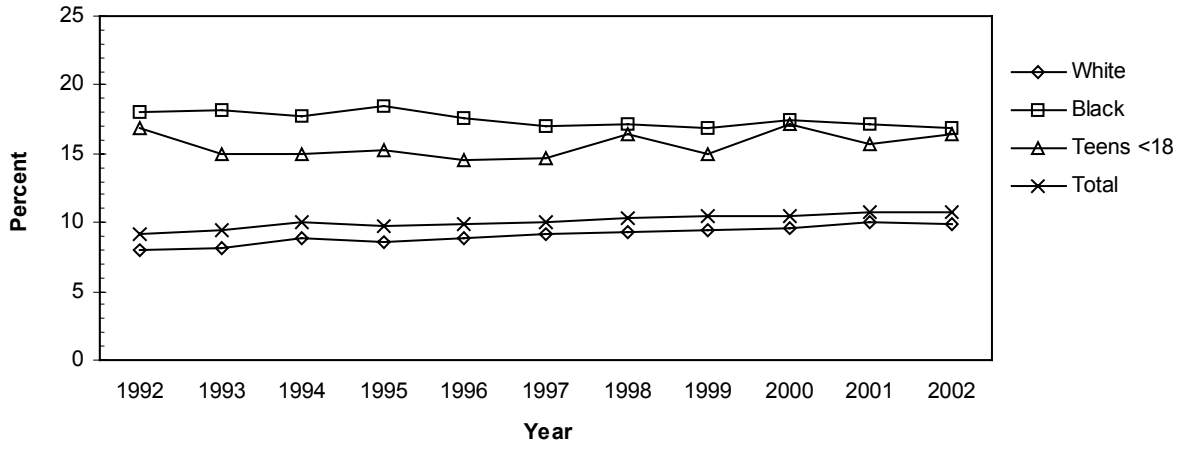
- Sixty-seven percent of low birthweight infants (birthweight under 2,500 grams) were premature.

- Twins or other multiple births made up 16.5 percent of all premature births in 2002. From 1992 to 2002, multiple births increased from 2.7 percent to 3.0 percent of all births.

- Prematurity increased from 9.2 percent of all births in 1992 to 10.7 percent of all births in 2002.

- Prematurity among infants born to mothers less than 18 years of age was 16.4 percent in 2002, very similar to the 1992 percent (16.9). (The prematurity rate among infants born to mothers 18 and older was 10.5 percent in 2002.)

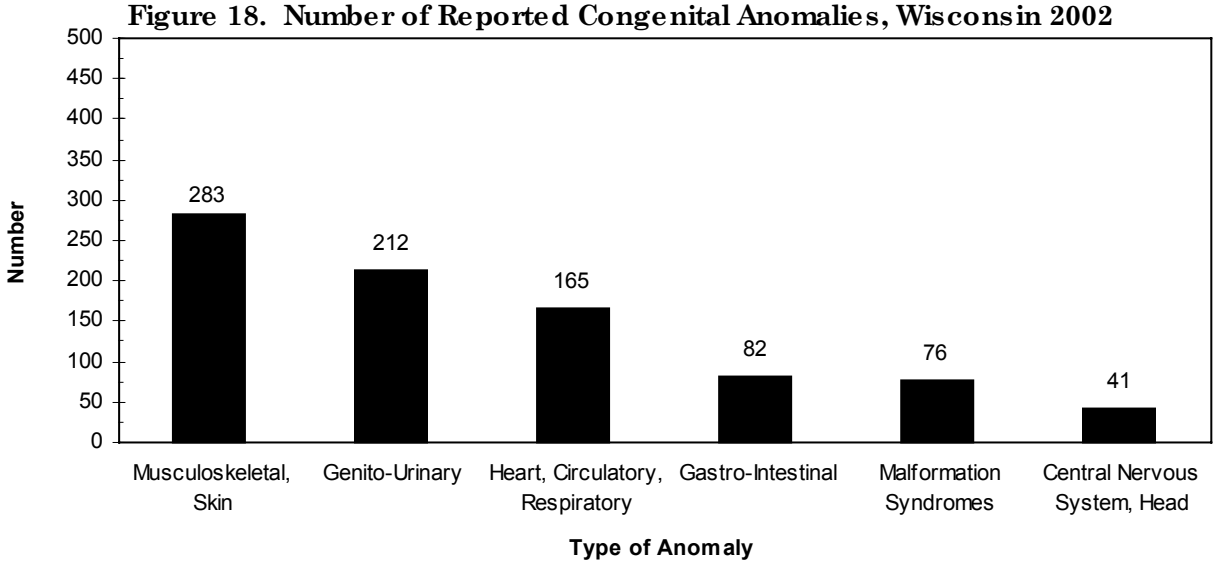
Figure 17. Percent of Premature Births, Wisconsin, 1992-2002



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 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 2002



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

Reported Congenital Anomalies, Wisconsin 2002

Total Births With Reported Anomalies	**879**
Central Nervous System, Head	**41**
Anencephalus	3
Spina Bifida/Meningocele	20
Hydrocephalus	4
Microcephalus	4
Other Central Nervous System	15
Heart, Circulatory, Respiratory	**165**
Heart Malformations	122
Other Circulatory/Respiratory	52
Gastro-Intestinal	**82**
Rectal Atresia, Stenosis	9
Tracheo-Esophageal Fistula	10
Omphalocele, Gastroschisis	31
Other Gastrointestinal	34
Genito-Urinary	**212**
Malformed Genitalia	104
Renal Agenesis	21
Other Urogenital	95
Musculoskeletal/Skin	**283**
Cleft Lip, Palate	68
Polydactyly, Syndactyly, Adactyly	81
Club Foot	52
Diaphragmatic Hernia	7
Other Musculoskeletal/ Integumental	91
Malformation Syndromes	**76**
Down Syndrome	51
Other Chromosomal	25
All Other	**113**

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

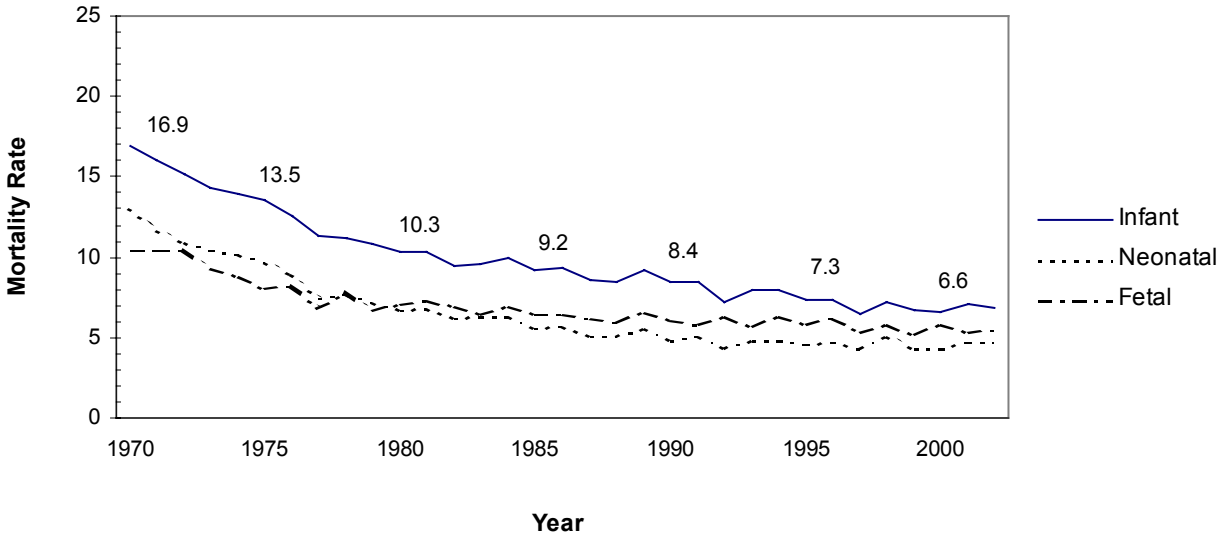
- In Wisconsin, 471 infants under the age of one year died in 2002. The 2002 infant mortality rate was 6.9 infant deaths per 1,000 live births, compared to 7.1 in 2001 and 7.3 in 1992. The 2001 U.S. infant mortality rate (the latest available data) was 6.8 infant deaths per 1,000 live births.

- There were 324 neonatal deaths (deaths of infants less than 28 days of age) in 2002, accounting for 69 percent of total infant deaths that year. The neonatal mortality rate in 2002 was 4.7 neonatal deaths per 1,000 live births, compared with 4.7 in 2001 and 4.4 in 1992. In the U.S. in 2001 (the latest available data), the neonatal mortality rate was 4.5 per 1,000 live births.

- The fetal death rate (fetal deaths per 1,000 live births and fetal deaths) was 5.5 in 2002. In comparison, the fetal death rate for 1992 was 6.4 per 1,000. (For the definition of "fetal death," see Technical Notes, page 105.)

- The black infant mortality rate for 2002 was 18.3 deaths per 1,000 births to black mothers, compared to 18.7 in 2001 and 14.0 in 1992. The 2002 white infant mortality rate was 5.5 deaths per 1,000 births to white women, similar to the 2001 rate (5.7) and lower than the 1992 rate (6.3). The Hispanic infant mortality rate for 2002 was 6.6 deaths per 1,000 births to Hispanic women, similar to the rate for 2001 (7.0). (There were too few Hispanic infant deaths in 1992 to present a rate.)

Figure 19. Infant, Neonatal, and Fetal Mortality Rates, 1970-2002



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 2002 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 2002, the infant mortality rate was 12.2 per 1,000 births among infants born to mothers aged less than 20, compared with 6.3 per 1,000 among infants born to women aged 20 and older.

- There were 5 maternal deaths in 2002; these are deaths attributed to pregnancy-related health conditions or events of delivery.

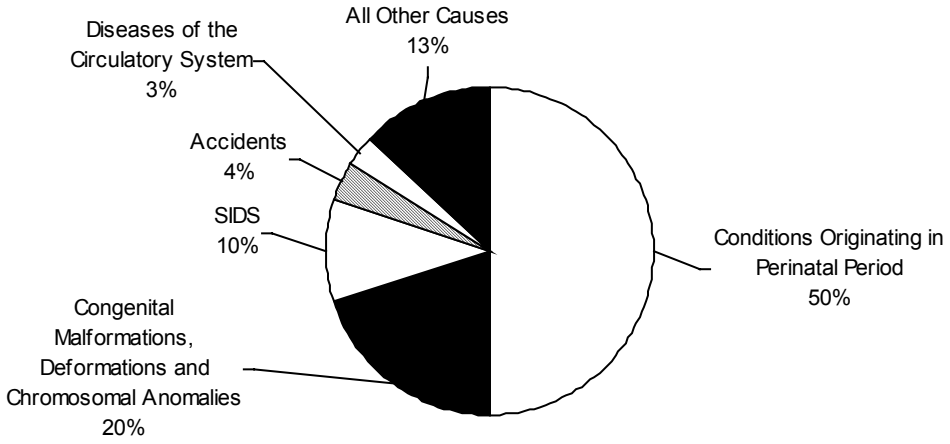
Causes of Infant Death

- "Conditions originating in the perinatal period" accounted for 50 percent of infant deaths in 2002. 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 20 percent of infant deaths in 2002.

- Ten percent of infant deaths in 2002 were attributed to Sudden Infant Death Syndrome (SIDS).

Figure 20. Leading Causes of Infant Death, 2002



Source: Matched birth-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 2002

County	Population Estimates	Total Births	Male	Female	Crude Birth Rate	General Fertility Rate
Total	**5,453,896**	**68,510**	**33,520**	**34,989**	**12.6**	**58.7**
Adams	20,327	160	81	79	7.9	52.0
Ashland	16,979	211	101	110	12.4	59.3
Barron	45,633	514	254	260	11.3	57.9
Bayfield	15,263	151	73	78	9.9	57.4
Brown	231,858	3,282	1,583	1,699	14.2	62.6
Buffalo	13,955	160	84	76	11.5	60.8
Burnett	16,051	172	79	93	10.7	65.9
Calumet	42,497	566	272	294	13.3	61.3
Chippewa	56,588	695	368	327	12.3	62.1
Clark	33,860	526	274	252	15.5	81.3
Columbia	53,472	622	302	320	11.6	59.0
Crawford	17,406	185	92	93	10.6	59.4
Dane	438,881	5,561	2,723	2,838	12.7	51.1
Dodge	87,083	950	450	500	10.9	56.3
Door	28,641	226	107	119	7.9	47.0
Douglas	43,677	474	225	249	10.9	51.5
Dunn	40,828	464	226	238	11.4	47.6
Eau Claire	95,132	1,098	553	545	11.5	47.5
Florence	5,187	36	19	17	6.9	40.4
Fond du Lac	98,589	1,132	571	561	11.5	54.1
Forest	10,113	100	50	50	9.9	56.6
Grant	50,165	548	255	293	10.9	54.8
Green	34,351	377	182	195	11.0	55.4
Green Lake	19,282	222	104	118	11.5	64.5
Iowa	23,153	301	159	142	13.0	62.8
Iron	6,932	42	22	20	6.1	35.7
Jackson	19,381	226	117	109	11.7	64.9
Jefferson	77,306	960	463	497	12.4	56.8
Juneau	25,052	298	134	164	11.9	64.4
Kenosha	153,009	2,091	1,061	1,030	13.7	61.1
Kewaunee	20,487	235	116	119	11.5	57.4
La Crosse	108,433	1,253	603	650	11.6	48.4
Lafayette	16,263	194	88	106	11.9	60.5
Langlade	21,017	238	119	119	11.3	62.2
Lincoln	29,944	334	166	168	11.2	58.1
Manitowoc	83,925	846	421	425	10.1	51.9
Marathon	127,968	1,503	764	739	11.7	56.9

(Continued)

Table 1. Population, Births by Sex, Crude and General Fertility Rates by County of Residence, Wisconsin 2002

County	Population Estimates	Total Births	Male	Female	Crude Birth Rate	General Fertility Rate
Marinette	43,804	395	211	184	9.0	47.6
Marquette	14,771	150	68	82	10.2	58.3
Menominee	4,595	85	44	41	18.5	90.1
Milwaukee	941,091	14,332	7,038	7,294	15.2	67.2
Monroe	41,865	559	271	288	13.4	67.8
Oconto	36,811	383	192	191	10.4	53.0
Oneida	37,418	327	171	156	8.7	49.8
Outagamie	165,570	2,337	1,158	1,179	14.1	63.3
Ozaukee	83,964	925	449	476	11.0	56.2
Pepin	7,483	84	40	44	11.2	60.4
Pierce	37,757	411	215	196	10.9	43.5
Polk	42,621	435	196	239	10.2	53.1
Portage	68,227	706	337	369	10.3	43.9
Price	15,891	137	56	81	8.6	50.4
Racine	190,446	2,540	1,305	1,235	13.3	63.6
Richland	18,056	207	82	125	11.5	60.5
Rock	154,001	1,966	967	999	12.8	60.3
Rusk	15,458	160	74	86	10.4	57.8
St. Croix	67,767	998	477	521	14.7	65.9
Sauk	56,663	722	357	365	12.7	63.2
Sawyer	16,584	171	76	95	10.3	60.6
Shawano	41,273	464	216	248	11.2	58.8
Sheboygan	114,139	1,380	645	735	12.1	60.4
Taylor	19,718	230	102	128	11.7	58.8
Trempealeau	27,393	284	135	149	10.4	53.9
Vernon	28,584	381	143	238	13.3	73.1
Vilas	21,457	189	90	99	8.8	55.4
Walworth	94,532	1,161	562	599	12.3	56.6
Washburn	16,438	159	90	69	9.7	56.7
Washington	120,429	1,517	723	793	12.6	59.5
Waukesha	368,077	4,268	2,066	2,202	11.6	57.1
Waupaca	52,622	598	276	322	11.4	58.9
Waushara	24,560	239	116	123	9.7	58.7
Winnebago	159,161	1,845	908	937	11.6	52.0
Wood	75,982	812	403	409	10.7	53.3

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 2002

City	Population Estimate	Births	Crude Birth Rate
Appleton	71,348	1,240	17.4
Beloit	35,918	585	16.3
Brookfield	39,173	251	6.4
Caledonia (T)	24,163	160	6.6
De Pere	21,332	302	14.2
Eau Claire	63,214	795	12.6
Fitchburg	21,257	163	7.7
Fond du Lac	42,619	627	14.7
Franklin	30,749	326	10.6
Green Bay	103,018	1,913	18.6
Greenfield	35,776	301	8.4
Janesville	60,775	867	14.3
Kenosha	91,853	1,703	18.5
La Crosse	51,781	598	11.5
Madison	213,679	3,015	14.1
Manitowoc	34,561	429	12.4
Menomonee Falls (V)	33,233	365	11.0
Mequon/Thiensville	26,368	247	9.4
Milwaukee	595,958	10,823	18.2
Mount Pleasant (T)	23,629	78	3.3
Muskego	21,699	266	12.3
Neenah/Menasha	40,317	590	14.6
New Berlin	38,920	398	10.2
Oak Creek	29,826	392	13.1
Oshkosh	64,132	829	12.9
Racine	81,440	1,723	21.2
Sheboygan	50,689	741	14.6
South Milwaukee	21,424	227	10.6
Stevens Point	24,857	290	11.7
Sun Prairie	21,739	401	18.4
Superior	27,404	333	12.2
Watertown	22,327	306	13.7
Waukesha	66,237	1,153	17.4
Wausau	38,859	475	12.2
Wauwatosa	46,930	550	11.7
West Allis	61,114	598	9.8
West Bend	28,630	456	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 2002

STATE TOTAL	**68,510**
Urban*	54,353
Balance of State	14,157
ADAMS	160
Rome (T)	18
Balance of County	142
ASHLAND	211
Ashland (C)	98
Balance of County	113
BARRON	514
Barron (C)	50
Rice Lake (C)	116
Rice Lake (T)	39
Balance of County	309
BAYFIELD	151
BROWN	3,282
Allouez (V)	104
Ashwaubenon (V)	126
Bellevue (T)	128
De Pere (C)	302
Green Bay (C)	1,913
Hobart (T)	48
Howard (V)	175
Ledgeview (T)	20
Pulaski (V) (Pt.)	67
Scott (T)	40
Suamico (T)	104
Balance of County	255
BUFFALO	160
Mondovi (C)	29
Balance of County	131
BURNETT	172
CALUMET	566
Appleton (C) (Pt.)	168
Brillion (C)	37
Chilton (C)	52
Harrison (T)	101
Kiel (C) (Pt.)	5
Menasha (C) (Pt.)	23
New Holstein (C)	31
Balance of County	149
CHIPPEWA	695
Bloomer (C)	49
Chippewa Falls (C)	186
Eagle Point (T)	28
Eau Claire (C) (Pt.)	32
Hallie (T)	54
Lafayette (T)	57
Balance of County	289
CLARK	526
Neillsville (C)	35
Balance of County	491
COLUMBIA	622
Columbus (C)	59
Lodi (C)	48
Lodi (T)	32
Pacific (T)	12
Portage (C)	128
Balance of County	343
CRAWFORD	185
Prairie du Chien (C)	79
Balance of County	106
DANE	5,561
Bristol (T)	16
Burke (T)	20
Cottage Grove (V)	86
Cottage Grove (T)	20
Cross Plains (V)	35
De Forest (V)	143
Dunn (T)	37
Edgerton (C)	7
Fitchburg (C)	163
Madison (C)	3,015
Madison (T)	18
Marshall (V)	64
McFarland (V)	86
Middleton (C)	178
Middleton (T)	36
Monona (C)	59
Mount Horeb (V)	92
Oregon (T)	31
Oregon (V)	121
Pleasant Springs (T)	13
Springfield (T)	9
Stoughton (C)	191
Sun Prairie (C)	401
Verona (C)	136
Waunakee (V)	123
Westport (T)	19
Windsor (T)	55
Balance of County	387
DODGE	950
Beaver Dam (C)	225
Beaver Dam (T)	20
Columbus (C) (Pt.)	2
Fox Lake (T)	9
Hartford (C) (Pt.)	1
Horicon (C)	51
Mayville (C)	53
Watertown (C) (Pt.)	109
Waupun (C) (Pt.)	78
Balance of County	402
DOOR	226
Sevastopol (T)	5
Sturgeon Bay (C)	111
Balance of County	110
DOUGLAS	474
Superior (C)	333
Balance of County	141
DUNN	464
Menomonie (C)	145
Menomonie (T)	35
Balance of County	284
EAU CLAIRE	1,098
Altoona (C)	78
Eau Claire (C) (Pt.)	763
Pleasant Valley (T)	25
Seymour (T)	24
Washington (T)	53
Balance of County	155
FLORENCE	36
FOND DU LAC	1,132
Empire (T)	17
Fond du Lac (C)	627
North Fond du Lac (V)	41
Ripon (C)	75
Taycheedah (T)	24
Waupun (C) (Pt.)	43
Balance of County	305

* 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 2002

FOREST	100
GRANT	548
Boscobel (C)	42
Lancaster (C)	57
Platteville (C)	96
Balance of County	353
GREEN	377
Brodhead (C)	48
Monroe (C)	129
Balance of County	200
GREEN LAKE	222
Berlin (C) (Pt.)	76
Balance of County	146
IOWA	301
Dodgeville (C)	65
Mineral Point (C)	36
Balance of County	200
IRON	42
JACKSON	226
Black River Falls (C)	63
Brockway (T)	11
Balance of County	152
JEFFERSON	960
Ft. Atkinson (C)	174
Ixonia (T)	30
Jefferson (C)	117
Koshkonong (T)	26
Lake Mills (C)	82
Oakland (T)	25
Waterloo (C)	39
Watertown (C) (Pt.)	197
Whitewater (C) (Pt.)	23
Balance of County	247
JUNEAU	298
Mauston (C)	80
Balance of County	218
KENOSHA	2,091
Bristol (T)	26
Kenosha (C)	1,703
Paddock Lake (V)	17
Pleasant Prairie (V)	104
Randall (T)	12
Salem (T)	66
Somers (T)	23
Twin Lakes (V)	70
Wheatland (T)	24
Balance of County	46
KEWAUNEE	235
Algoma (C)	35
Kewaunee (C)	37
Balance of County	163
LA CROSSE	1,253
Campbell (T)	18
Holland (T)	24
Holmen (V)	132
La Crosse (C)	598
Onalaska (C)	227
Onalaska (T)	58
Shelby (T)	29
West Salem (V)	74
Balance of County	93
LAFAYETTE	194
LANGLADE	238
Antigo (C)	142
Balance of County	96
LINCOLN	334
Bradley (T)	14
Merrill (C)	149
Merrill (T)	23
Tomahawk (C)	54
Balance of County	94
MANITOWOC	846
Kiel (C) (Pt.)	43
Manitowoc (C)	429
Manitowoc Rapids (T)	11
Two Rivers (C)	124
Balance of County	239
MARATHON	1,503
Kronenwetter (T)	53
Marshfield (C) (Pt.)	6
Mosinee (C)	88
Rib Mountain (T)	45
Rothschild (V)	44
Wausau (C)	475
Weston (V)	119
Balance of County	673
MARINETTE	395
Marinette (C)	169
Peshtigo (C)	36
Peshtigo (T)	28
Stephenson (T)	19
Balance of County	143
MARQUETTE	150
Packwaukee (T)	5
Balance of County	145
MENOMINEE	85
Menominee (T)	81
Balance of County	4
MILWAUKEE	14,332
Bayside (V)(Pt.)	22
Brown Deer (V)	114
Cudahy (C)	210
Fox Point (V)	49
Franklin (C)	326
Glendale (C)	121
Greendale (V)	106
Greenfield (C)	301
Hales Corners (V)	66
Milwaukee (C) (Pt.)	10,821
Oak Creek (C)	392
Shorewood (V)	120
South Milwaukee (C)	227
St. Francis (C)	79
Wauwatosa (C)	550
West Allis (C)	598
West Milwaukee (V)	19
Whitefish Bay (V)	203
Balance of County	8
MONROE	559
Sparta (C)	159
Sparta (T)	18
Tomah (C)	126
Balance of County	256
OCONTO	383
Little Suamico (T)	63
Oconto (C)	59
Oconto Falls (C)	27

(Continued)

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2002

Pulaski (V) (Pt.)	2
Balance of County	232
ONEIDA	327
Minocqua (T)	45
Newbold (T)	22
Pelican (T)	22
Pine Lake (T)	23
Rhinelander (C)	100
Balance of County	115
OUTAGAMIE	2,337
Appleton (C) (Pt.)	1,043
Buchanan (T)	75
Center (T)	30
Combined Locks (V)	30
Ellington (T)	21
Freedom (T)	70
Grand Chute (T)	119
Greenville (T)	110
Kaukauna (C)	224
Kimberly (V)	85
Little Chute (V)	134
New London (C) (Pt.)	30
Oneida (T)	54
Seymour (C)	58
Balance of County	254
OZAUKEE	925
Cedarburg (C)	128
Cedarburg (T)	41
Grafton (T)	40
Grafton (V)	130
Mequon (C)	208
Port Washington (C)	118
Saukville (V)	64
Thiensville (V)	39
Balance of County	157
PEPIN	84
PIERCE	411
Ellsworth (V)	26
Prescott (C)	56
River Falls (C) (Pt.)	74
Balance of County	255
POLK	435
Alden (T)	13
Amery (C)	42
Osceola (V)	41
Balance of County	339
PORTAGE	706
Hull (T)	38
Plover (V)	149
Stevens Point (C)	290
Stockton (T)	23
Balance of County	206
PRICE	137
Park Falls (C)	31
Balance of County	106
RACINE	2,540
Burlington (C) (Pt.)	140
Burlington (T)	55
Caledonia (T)	160
Dover (T)	24
Mt. Pleasant (T)	78
Norway (T)	52
Racine (C)	1,723
Raymond (T)	13
Sturtevant (V)	58
Union Grove (V)	55
Waterford (T)	64
Waterford (V)	83
Yorkville (T)	7
Balance of County	28
RICHLAND	207
Richland Center (C)	75
Balance of County	132
ROCK	1,966
Beloit (C)	585
Beloit (T)	54
Brodhead (C) (Pt.)	1
Edgerton (C)	86
Evansville (C)	93
Fulton (T)	24
Janesville (C)	867
Janesville (T)	12
Milton (C)	65
Milton (T)	19
Rock (T)	12
Turtle (T)	9
Balance of County	139
RUSK	160
Ladysmith (C)	57
Balance of County	103
ST.CROIX	998
Baldwin (V)	44
Hudson (C)	249
Hudson (T)	82
New Richmond (C)	135
North Hudson (V)	16
River Falls (C) (Pt.)	42
Somerset (T)	68
St. Joseph (T)	26
Star Prairie (T)	34
Troy (T)	21
Balance of County	281
SAUK	722
Baraboo (C)	164
Prairie du Sac (V)	54
Reedsburg (C)	135
Sauk City (V)	36
Balance of County	333
SAWYER	171
Hayward (T)	46
Balance of County	125
SHAWANO	464
Pulaski (V) (Pt.)	6
Shawano (C)	130
Wescott (T)	26
Balance of County	302
SHEBOYGAN	1,380
Greenbush (T)	9
Holland (T)	18
Howards Grove (V)	34
Lima (T)	26
Oostburg (V)	46
Plymouth (C)	116
Plymouth (T)	24
Sheboygan (C)	741
Sheboygan (T)	63
Sheboygan Falls (C)	70
Wilson (T)	18
Balance of County	215

(Continued)

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 2002

TAYLOR	230
Medford (C)	49
Balance of County	181
TREMPEALEAU	284
VERNON	381
Viroqua (C)	44
Balance of County	337
VILAS	189
Arbor Vitae (T)	29
Lac du Flambeau (T)	56
Lincoln (T)	13
Balance of County	91
WALWORTH	1,161
Bloomfield (T)	38
Burlington (C) (Pt.)	8
Delavan (C)	181
Delavan (T)	46
East Troy (T)	51
East Troy (V)	67
Elkhorn (C)	147
Geneva (T)	40
Lake Geneva (C)	125
Lyons (T)	24
Sugar Creek (T)	26
Whitewater (C) (Pt.)	85
Balance of County	323
WASHBURN	159
Spooner (C)	35
Balance of County	124
WASHINGTON	1,517
Addison (T)	34
Barton (T)	11
Erin (T)	28
Farmington (T)	36
Germantown (V)	202
Hartford (C) (Pt.)	155
Hartford (T)	44
Jackson (T)	38
Jackson (V)	94
Kewaskum (V)	53
Milwaukee (C) (Pt.)	2
Polk (T)	25
Richfield (T)	97
Slinger (V)	52
Trenton (T)	19
West Bend (C)	456
West Bend (T)	66
Balance of County	105
WAUKESHA	4,268
Brookfield (C)	251
Brookfield (T)	97
Delafield (C)	42
Delafield (T)	58
Eagle (T)	38
Elm Grove (V)	51
Genesee (T)	38
Hartland (V)	154
Lisbon (T)	59
Menomonee Falls (V)	365
Merton (T)	50
Mukwonago (T)	79
Mukwonago (V)	96
Muskego (C)	266
New Berlin (C)	398
Oconomowoc (C)	215
Oconomowoc (T)	72
Ottawa (T)	25
Pewaukee (C)	138
Pewaukee (V)	126
Summit (T)	32
Sussex (V)	148
Vernon (T)	34
Wales (V)	34
Waukesha (C)	1,153
Waukesha (T)	59
Balance of County	190
WAUPACA	598
Clintonville (C)	82
Dayton (T)	23
Farmington (T)	24
Mukwa (T)	17
New London (C) (Pt.)	87
Waupaca (C)	94
Balance of County	271
WAUSHARA	239
Berlin (C) (Pt.)	8
Balance of County	231
WINNEBAGO	1,845
Algoma (T)	37
Appleton (C) (Pt.)	29
Clayton (T)	22
Menasha (C) (Pt.)	203
Menasha (T)	128
Neenah (C)	364
Neenah (T)	26
Omro (C)	34
Oshkosh (C)	829
Oshkosh (T)	15
Balance of County	158
WOOD	812
Grand Rapids (T)	42
Marshfield (C) (Pt.)	225
Nekoosa (C)	47
Saratoga (T)	23
Wisconsin Rapids (C)	281
Balance of County	194

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 2002

County	City	Hospital	Births
Ashland	Ashland	Memorial Medical Center	314
Barron	Cumberland	Cumberland Memorial Hospital	82
	Rice Lake	Lakeview Medical Center	418
	Barron	Barron Memorial Medical Center	75
Brown	Green Bay	Aurora BayCare Medical Center	815
	Green Bay	Bellin Health System	1,490
	Green Bay	St. Mary's Hospital Medical Center	513
	Green Bay	St. Vincent Hospital	1,523
Burnett	Grantsburg	Burnett Medical Center, Inc.	45
Chippewa	Chippewa Falls	St. Joseph's Hospital	454
Clark	Neillsville	Memorial Hospital, Inc./Memorial Medical Center	32
Columbia	Columbus	Columbus Community Hospital, Inc.	126
	Portage	Divine Savior Healthcare	218
Crawford	Prairie du Chien	Prairie du Chien Memorial Hospital	170
Dane	Madison	Meriter Hospital, Inc.	3,466
	Madison	St. Mary's Hospital Medical Center	3,201
Dodge	Beaver Dam	Beaver Dam Community Hospitals-Hillside	381
	Watertown	Watertown Memorial Hospital	294
	Waupun	Waupun Memorial Hospital	97
Door	Sturgeon Bay	Door County Memorial Hospital	138
Dunn	Menomonie	Myrtle Werth Hospital	248
Eau Claire	Eau Claire	Luther Hospital	681
	Eau Claire	Sacred Heart Hospital	1,072
Fond du Lac	Fond du Lac	St. Agnes Hospital	1,012
	Ripon	Ripon Medical Center	31
Grant	Boscobel	Boscobel Area Health Care	60
	Lancaster	Grant Regional Health Center, Inc.	99
	Platteville	Southwest Health Center, Inc.	144
Green	Monroe	St. Clare Hospital/The Monroe Clinic	370
Green Lake	Berlin	Berlin Memorial Hospital	215
Iowa	Dodgeville	Upland Hills Health, Inc.	258
Jackson	Black River Falls	Black River Memorial Hospital	137
Jefferson	Ft. Atkinson	Ft Atkinson Memorial Health Services	453
Juneau	Mauston	Hess Memorial Hospital	213
Kenosha	Kenosha	Aurora Medical Center	926
	Kenosha	United Hospital Systems–Kenosha Med. Center Campus	821
La Crosse	La Crosse	Gundersen Lutheran Medical Center	1,505
	La Crosse	Franciscan Skemp Healthcare	669
Lafayette	Darlington	Memorial Hospital of Lafayette County	56
Langlade	Antigo	Langlade Memorial Hospital	231
Lincoln	Merrill	Good Samaritan Health Center	149
	Tomahawk	Sacred Heart Hospital	1
Manitowoc	Manitowoc	Holy Family Memorial Medical Center	443
	Two Rivers	Aurora Medical Center	256
Marathon	Wausau	Community Health Care-Wausau Hospital	1,422
Marinette	Marinette	Bay Area Medical Center	389
Milwaukee	Milwaukee	The Columbia Center	729
	Milwaukee	Aurora Sinai Medical Center, Inc.	2,662
	Milwaukee	St. Francis Hospital	1,441
	Milwaukee	St. Joseph's Regional Medical Center	3,825
	Milwaukee	St. Luke's Medical Center	320
	Milwaukee	St. Mary's Hospital – Milwaukee	2,938
	Milwaukee	St. Michael Hospital	721
	Wauwatosa	Froedtert Memorial Lutheran Hospital	1,318
	West Allis	West Allis Memorial Hospital	1,765

(Continued)

Table 4. Births by County, City and Hospital of Occurrence, Wisconsin 2002

County	City	Hospital	Births
Monroe	Sparta	Franciscan Skemp Healthcare – Sparta	85
	Tomah	Tomah Memorial Hospital, Inc.	236
Oconto	Oconto Falls	Community Memorial Hospital	44
Oneida	Rhinelander	Sacred Heart-St. Mary's Hospital, Inc.	391
	Woodruff	Howard Young Medical Center, Inc.	346
Outagamie	Appleton	Appleton Medical Center	1,206
	Appleton	St. Elizabeth Hospital	1,385
	New London	New London Family Medical Center	136
Ozaukee	Ozaukee	St. Mary's Hospital – Ozaukee	883
Pepin	Durand	Chippewa Valley Hospital	12
Polk	Amery	Amery Regional Medical Center	120
	Osceola	Osceola Medical Center	86
	St. Croix	St. Croix Regional Medical Center	312
Portage	Stevens Point	St. Michael's Hospital	676
Price	Park Falls	Flambeau Hospital, Inc.	81
Racine	Burlington	Memorial Hospital of Burlington	387
	Racine	St. Luke's Memorial Hospital	1,857
Richland	Richland Center	The Richland Hospital, Inc.	198
Rock	Beloit	Beloit Memorial Hospital, Inc.	703
	Janesville	Mercy Health System	1,224
Rusk	Ladysmith	Rusk County Memorial Hospital	108
Sauk	Baraboo	St. Clare Hospital and Health Services	313
	Prairie du Sac	Sauk Prairie Memorial Hospital	209
	Reedsburg	Reedsburg Area Medical Center	249
Sawyer	Hayward	Hayward Area Memorial Hospital	154
Shawano	Shawano	Shawano Medical Center	336
Sheboygan	Plymouth	Aurora Valley View Medical Center	158
	Sheboygan	Aurora Sheboygan Memorial Medical Center	964
	Sheboygan	St. Nicholas Hospital	315
St. Croix	Baldwin	Baldwin Area Medical Center	121
	Hudson	Hudson Hospital	196
	New Richmond	Holy Family Hospital	155
	River Falls	River Falls Area Hospital	245
Taylor	Medford	Memorial Health Center, Inc.	162
Trempealeau	Arcadia	Franciscan Skemp Healthcare – Arcadia	42
Vernon	Hillsboro	St. Joseph's Community Health Services, Inc.	19
	Viroqua	Vernon Memorial Hospital	155
Walworth	Elkhorn	Aurora Lakeland Medical Center, Inc.	639
Washburn	Shell Lake	Indianhead Medical Center, Inc.	18
	Spooner	Spooner Health System	90
Washington	Hartford	Aurora Medical Center of Washington County	327
	West Bend	St. Joseph's Community Hospital of West Bend, Inc.	674
Waukesha	Brookfield	Elmbrook Memorial Hospital	755
	Menomonee Falls	Community Memorial Hospital	866
	Oconomowoc	Oconomowoc Memorial Hospital	707
	Waukesha	Waukesha Memorial Hospital, Inc.	2,358
Waupaca	Waupaca	Riverside Medical Center	242
Winnebago	Neenah	Theda Clark Regional Medical Center	1,108
	Oshkosh	Mercy Medical Center	1,245
Wood	Marshfield	St. Joseph's Hospital	1,199
	Wisconsin Rapids	Riverview Hospital Association	487

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 2002

County of Birth	Number of Births	County Of Birth	Number of Births
Adams	-	Marathon	35
Ashland	-	Marinette	3
Barron	9	Marquette	10
Bayfield	5	Menominee	-
Brown	22	Milwaukee	39
Buffalo	-	Monroe	57
Burnett	-	Oconto	2
Calumet	4	Oneida	5
Chippewa	13	Outagamie	9
Clark	152	Ozaukee	4
Columbia	15	Pepin	45
Crawford	3	Pierce	2
Dane	36	Polk	2
Dodge	4	Portage	8
Door	3	Price	1
Douglas	6	Racine	10
Dunn	5	Richland	6
Eau Claire	32	Rock	18
Florence	-	Rusk	7
Fond du Lac	10	St. Croix	-
Forest	-	Sauk	18
Grant	23	Sawyer	2
Green	7	Shawano	6
Green Lake	25	Sheboygan	12
Iowa	3	Taylor	8
Iron	-	Trempealeau	1
Jackson	7	Vernon	79
Jefferson	7	Vilas	3
Juneau	5	Walworth	11
Kenosha	11	Washburn	6
Kewaunee	1	Washington	13
La Crosse	2	Waukesha	18
Lafayette	9	Waupaca	18
Langlade	1	Waushara	10
Lincoln	1	Winnebago	12
Manitowoc	6	Wood	5
		Total	**915**

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 2002 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, 67 deliveries took place at a clinic; these births are not included in either the hospital or the home birth totals shown. Almost all births (67,519 or 99 percent) occurred in hospitals.
A dash (-) indicates there were no home births in that county.
Included in the total are 3 home births for which county was not reported.

Table 6a. Number of Births by Age of Mother and County of Residence, Wisconsin 2002

County	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	**68,510**	**108**	**1,898**	**4,528**	**15,688**	**19,462**	**17,527**	**7,746**	**1,478**	**66**
Adams	160	-	8	18	45	41	31	15	2	-
Ashland	211	-	6	16	85	51	33	16	4	-
Barron	514	-	13	50	117	162	118	41	13	-
Bayfield	151	-	2	10	34	42	35	18	10	-
Brown	3,282	8	74	222	710	989	879	347	48	5
Buffalo	160	-	2	9	34	46	49	16	4	-
Burnett	172	-	6	16	55	46	35	13	1	-
Calumet	566	-	7	12	88	201	170	79	8	1
Chippewa	695	-	10	52	190	203	160	67	13	-
Clark	526	-	6	36	132	175	106	47	23	1
Columbia	622	-	6	33	128	214	174	59	7	1
Crawford	185	-	5	20	50	43	44	21	2	-
Dane	5,561	7	109	219	919	1,490	1,822	820	170	5
Dodge	950	-	18	62	244	293	234	75	24	-
Door	226	-	1	17	52	54	51	42	9	-
Douglas	474	1	11	34	137	144	92	37	16	1
Dunn	464	-	14	19	108	154	123	40	6	-
Eau Claire	1,098	-	22	61	269	334	292	104	16	-
Florence	36	-	-	4	7	7	11	7	-	-
Fond du Lac	1,132	-	19	72	273	370	264	112	22	-
Forest	100	-	8	10	29	29	18	4	2	-
Grant	548	1	8	36	140	178	131	48	6	-
Green	377	-	11	19	90	112	80	56	9	-
Green Lake	222	-	8	11	57	75	40	26	5	-
Iowa	301	-	6	15	57	97	90	31	5	-
Iron	42	-	-	-	13	10	12	4	2	1
Jackson	226	-	7	15	72	75	35	17	4	1
Jefferson	960	2	26	55	246	289	235	87	20	-
Juneau	298	-	5	32	89	88	56	21	7	-
Kenosha	2,091	-	59	173	526	563	507	215	45	3
Kewaunee	235	-	5	12	41	83	66	25	3	-
La Crosse	1,253	1	21	73	261	411	323	138	24	1
Lafayette	194	-	5	8	52	54	45	28	2	-
Langlade	238	1	11	22	59	64	57	21	3	-
Lincoln	334	-	7	26	100	100	76	22	2	-
Manitowoc	846	2	29	57	189	247	214	93	14	-
Marathon	1,503	1	39	97	325	460	408	152	19	2
Marinette	395	-	7	32	107	125	87	29	7	1
Marquette	150	-	4	15	47	42	32	10	-	-
Menominee	85	-	8	8	33	20	14	2	-	-
Milwaukee	14,332	65	759	1,360	3,880	3,618	2,982	1,380	271	15
Monroe	559	-	8	44	168	157	107	63	9	3

(Continued)

Table 6a. Number of Births by Age of Mother and County of Residence, Wisconsin 2002

County	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Oconto	383	-	10	23	90	114	100	38	8	-
Oneida	327	-	3	18	88	93	72	41	10	2
Outagamie	2,337	1	43	128	456	761	642	259	47	-
Ozaukee	925	-	9	19	108	224	308	211	43	3
Pepin	84	-	1	5	31	25	16	5	1	-
Pierce	411	-	4	23	88	131	110	47	7	1
Polk	435	-	9	26	99	129	113	50	9	-
Portage	706	1	23	47	162	214	175	72	12	-
Price	137	-	4	6	32	38	43	12	2	-
Racine	2,540	9	93	226	655	637	572	294	54	-
Richland	207	-	2	10	66	67	41	17	3	1
Rock	1,966	3	70	171	511	570	437	176	27	1
Rusk	160	-	3	14	45	47	36	13	2	-
St. Croix	998	-	5	26	185	342	296	117	27	-
Sauk	722	-	23	56	187	227	160	56	12	1
Sawyer	171	-	5	17	57	46	27	12	7	-
Shawano	464	-	10	32	120	150	95	46	10	1
Sheboygan	1,380	2	27	78	329	416	335	169	23	1
Taylor	230	-	4	13	60	73	52	25	3	-
Trempealeau	284	-	6	10	79	84	78	23	4	-
Vernon	381	-	6	23	91	113	73	47	27	1
Vilas	189	-	5	13	35	70	45	18	3	-
Walworth	1,161	-	20	73	248	359	292	139	30	-
Washburn	159	-	4	14	52	33	42	11	3	-
Washington	1,517	1	11	51	221	429	528	226	48	2
Waukesha	4,268	1	42	110	496	1,102	1,599	786	124	8
Waupaca	598	-	13	33	156	189	118	72	17	-
Waushara	239	-	9	25	55	79	38	26	6	1
Winnebago	1,845	1	39	89	414	521	543	202	33	2
Wood	812	-	15	47	214	223	203	88	19	-

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

Notes: Included in the totals are 9 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 2002

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	**68,510**	**0.2%**	**2.8%**	**6.6%**	**22.9%**	**28.4%**	**25.6%**	**11.3%**	**2.2%**	**0.1%**
Adams	160	-	5.0	11.3	28.1	25.6	19.4	9.4	1.3	-
Ashland	211	-	2.8	7.6	40.3	24.2	15.6	7.6	1.9	-
Barron	514	-	2.5	9.7	22.8	31.5	23.0	8.0	2.5	-
Bayfield	151	-	1.3	6.6	22.5	27.8	23.2	11.9	6.6	-
Brown	3,282	0.2	2.3	6.8	21.6	30.1	26.8	10.6	1.5	0.2
Buffalo	160	-	1.3	5.6	21.3	28.8	30.6	10.0	2.5	-
Burnett	172	-	3.5	9.3	32.0	26.7	20.3	7.6	0.6	-
Calumet	566	-	1.2	2.1	15.5	35.5	30.0	14.0	1.4	0.2
Chippewa	695	-	1.4	7.5	27.3	29.2	23.0	9.6	1.9	-
Clark	526	-	1.1	6.8	25.1	33.3	20.2	8.9	4.4	0.2
Columbia	622	-	1.0	5.3	20.6	34.4	28.0	9.5	1.1	0.2
Crawford	185	-	2.7	10.8	27.0	23.2	23.8	11.4	1.1	-
Dane	5,561	0.1	2.0	3.9	16.5	26.8	32.8	14.7	3.1	0.1
Dodge	950	-	1.9	6.5	25.7	30.8	24.6	7.9	2.5	-
Door	226	-	0.4	7.5	23.0	23.9	22.6	18.6	4.0	-
Douglas	474	0.2	2.3	7.2	28.9	30.4	19.4	7.8	3.4	0.2
Dunn	464	-	3.0	4.1	23.3	33.2	26.5	8.6	1.3	-
Eau Claire	1,098	-	2.0	5.6	24.5	30.4	26.6	9.5	1.5	-
Florence	36	-	-	11.1	19.4	19.4	30.6	19.4	-	-
Fond du Lac	1,132	-	1.7	6.4	24.1	32.7	23.3	9.9	1.9	-
Forest	100	-	8.0	10.0	29.0	29.0	18.0	4.0	2.0	-
Grant	548	0.2	1.5	6.6	25.5	32.5	23.9	8.8	1.1	-
Green	377	-	2.9	5.0	23.9	29.7	21.2	14.9	2.4	-
Green Lake	222	-	3.6	5.0	25.7	33.8	18.0	11.7	2.3	-
Iowa	301	-	2.0	5.0	18.9	32.2	29.9	10.3	1.7	-
Iron	42	-	-	-	31.0	23.8	28.6	9.5	4.8	2.4
Jackson	226	-	3.1	6.6	31.9	33.2	15.5	7.5	1.8	0.4
Jefferson	960	0.2	2.7	5.7	25.6	30.1	24.5	9.1	2.1	-
Juneau	298	-	1.7	10.7	29.9	29.5	18.8	7.0	2.3	-
Kenosha	2,091	-	2.8	8.3	25.2	26.9	24.2	10.3	2.2	0.1
Kewaunee	235	-	2.1	5.1	17.4	35.3	28.1	10.6	1.3	-
La Crosse	1,253	0.1	1.7	5.8	20.8	32.8	25.8	11.0	1.9	0.1
Lafayette	194	-	2.6	4.1	26.8	27.8	23.2	14.4	1.0	-
Langlade	238	0.4	4.6	9.2	24.8	26.9	23.9	8.8	1.3	-
Lincoln	334	-	2.1	7.8	29.9	29.9	22.8	6.6	0.6	-
Manitowoc	846	0.2	3.4	6.7	22.3	29.2	25.3	11.0	1.7	-
Marathon	1,503	0.1	2.6	6.5	21.6	30.6	27.1	10.1	1.3	0.1
Marinette	395	-	1.8	8.1	27.1	31.6	22.0	7.3	1.8	0.3
Marquette	150	-	2.7	10.0	31.3	28.0	21.3	6.7	-	-
Menominee	85	-	9.4	9.4	38.8	23.5	16.5	2.4	-	-
Milwaukee	14,332	0.5	5.3	9.5	27.1	25.2	20.8	9.6	1.9	0.1
Monroe	559	-	1.4	7.9	30.1	28.1	19.1	11.3	1.6	0.5

(Continued)

Table 6b. Percent of Births by Age of Mother and County of Residence, Wisconsin 2002

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Oconto	383	-	2.6	6.0	23.5	29.8	26.1	9.9	2.1	-
Oneida	327	-	0.9	5.5	26.9	28.4	22.0	12.5	3.1	0.6
Outagamie	2,337	0.0	1.8	5.5	19.5	32.6	27.5	11.1	2.0	-
Ozaukee	925	-	1.0	2.1	11.7	24.2	33.3	22.8	4.6	0.3
Pepin	84	-	1.2	6.0	36.9	29.8	19.0	6.0	1.2	-
Pierce	411	-	1.0	5.6	21.4	31.9	26.8	11.4	1.7	0.2
Polk	435	-	2.1	6.0	22.8	29.7	26.0	11.5	2.1	-
Portage	706	0.1	3.3	6.7	22.9	30.3	24.8	10.2	1.7	-
Price	137	-	2.9	4.4	23.4	27.7	31.4	8.8	1.5	-
Racine	2,540	0.4	3.7	8.9	25.8	25.1	22.5	11.6	2.1	-
Richland	207	-	1.0	4.8	31.9	32.4	19.8	8.2	1.4	0.5
Rock	1,966	0.2	3.6	8.7	26.0	29.0	22.2	9.0	1.4	0.1
Rusk	160	-	1.9	8.8	28.1	29.4	22.5	8.1	1.3	-
St. Croix	998	-	0.5	2.6	18.5	34.3	29.7	11.7	2.7	-
Sauk	722	-	3.2	7.8	25.9	31.4	22.2	7.8	1.7	0.1
Sawyer	171	-	2.9	9.9	33.3	26.9	15.8	7.0	4.1	-
Shawano	464	-	2.2	6.9	25.9	32.3	20.5	9.9	2.2	0.2
Sheboygan	1,380	0.1	2.0	5.7	23.8	30.1	24.3	12.2	1.7	0.1
Taylor	230	-	1.7	5.7	26.1	31.7	22.6	10.9	1.3	-
Trempealeau	284	-	2.1	3.5	27.8	29.6	27.5	8.1	1.4	-
Vernon	381	-	1.6	6.0	23.9	29.7	19.2	12.3	7.1	0.3
Vilas	189	-	2.6	6.9	18.5	37.0	23.8	9.5	1.6	-
Walworth	1,161	-	1.7	6.3	21.4	30.9	25.2	12.0	2.6	-
Washburn	159	-	2.5	8.8	32.7	20.8	26.4	6.9	1.9	-
Washington	1,517	0.1	0.7	3.4	14.6	28.3	34.8	14.9	3.2	0.1
Waukesha	4,268	0.0	1.0	2.6	11.6	25.8	37.5	18.4	2.9	0.2
Waupaca	598	-	2.2	5.5	26.1	31.6	19.7	12.0	2.8	-
Waushara	239	-	3.8	10.5	23.0	33.1	15.9	10.9	2.5	0.4
Winnebago	1,845	0.1	2.1	4.8	22.4	28.2	29.4	10.9	1.8	0.1
Wood	812	-	1.8	5.8	26.4	27.5	25.0	10.8	2.3	-

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

Notes: Included in the totals are 9 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 2002

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	**68,510**	**108**	**1,898**	**4,528**	**15,688**	**19,462**	**17,527**	**7,746**	**1,478**	**66**
DHFS Regions										
Southern	12,091	11	276	699	2,578	3,474	3,345	1,423	276	9
Southeastern	27,794	78	1,019	2,067	6,380	7,221	7,023	3,338	635	31
Northeastern	14,385	14	313	866	3,217	4,436	3,688	1,577	260	12
Western	9,053	2	158	550	2,213	2,811	2,204	896	209	9
Northern	5,187	3	132	346	1,300	1,520	1,267	512	98	5
Perinatal Regions										
South Central	14,027	13	317	807	3,022	4,079	3,828	1,628	324	9
Southeast	27,053	78	1,000	2,017	6,215	6,989	6,831	3,281	608	32
Fox Valley	7,089	2	142	385	1,546	2,238	1,847	786	138	4
Northeast	5,916	10	144	403	1,342	1,782	1,506	622	99	7
Western	7,747	1	133	456	1,842	2,409	1,937	796	166	7
North Central	5,298	3	128	353	1,288	1,593	1,302	522	100	5
Northwest	1,380	1	34	107	433	372	276	111	43	2

Table 7b. Percent of Births by Age of Mother and Region, Wisconsin 2002

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	**68,510**	**0.2%**	**2.8%**	**6.6%**	**22.9%**	**28.4%**	**25.6%**	**11.3%**	**2.2%**	**0.1%**
DHFS Regions										
Southern	12,091	0.1	2.3	5.8	21.3	28.7	27.7	11.8	2.3	0.1
Southeastern	27,794	0.3	3.7	7.4	23.0	26.0	25.3	12.0	2.3	0.1
Northeastern	14,385	0.1	2.2	6.0	22.4	30.8	25.6	11.0	1.8	0.1
Western	9,053	0.0	1.7	6.1	24.4	31.1	24.3	9.9	2.3	0.1
Northern	5,187	0.1	2.5	6.7	25.1	29.3	24.4	9.9	1.9	0.1
Perinatal Regions										
South Central	14,027	0.1	2.3	5.8	21.5	29.1	27.3	11.6	2.3	0.1
Southeast	27,053	0.3	3.7	7.5	23.0	25.8	25.3	12.1	2.2	0.1
Fox Valley	7,089	0.0	2.0	5.4	21.8	31.6	26.1	11.1	1.9	0.1
Northeast	5,916	0.2	2.4	6.8	22.7	30.1	25.5	10.5	1.7	0.1
Western	7,747	0.0	1.7	5.9	23.8	31.1	25.0	10.3	2.1	0.1
North Central	5,298	0.1	2.4	6.7	24.3	30.1	24.6	9.9	1.9	0.1
Northwest	1,380	0.1	2.5	7.8	31.4	27.0	20.0	8.0	3.1	0.1

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

Notes: Included in the totals are 9 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 2002

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	**68,510**	**53,798**	**6,338**	**974**	**5,274**	**977**	**1,125**
Adams	160	154	1	3	2	-	-
Ashland	211	158	1	44	5	-	3
Barron	514	496	4	4	8	-	2
Bayfield	151	126	-	21	2	-	2
Brown	3,282	2,592	66	148	355	82	38
Buffalo	160	157	-	-	2	-	1
Burnett	172	150	-	19	-	-	3
Calumet	566	532	4	3	11	13	3
Chippewa	695	670	3	3	6	7	6
Clark	526	509	1	2	13	-	1
Columbia	622	599	-	4	15	1	3
Crawford	185	180	1	3	1	-	-
Dane	5,561	4,333	406	46	447	86	242
Dodge	950	879	4	4	58	1	4
Door	226	216	-	-	8	-	2
Douglas	474	452	3	15	2	1	-
Dunn	464	442	3	2	3	8	6
Eau Claire	1,098	1,011	5	7	14	49	12
Florence	36	36	-	-	-	-	-
Fond du Lac	1,132	1,035	11	7	59	13	6
Forest	100	82	-	16	2	-	-
Grant	548	536	1	4	3	1	3
Green	377	370	-	-	5	-	2
Green Lake	222	207	1	1	9	3	1
Iowa	301	298	-	-	3	-	-
Iron	42	39	-	1	1	-	1
Jackson	226	200	-	21	4	-	1
Jefferson	960	839	2	6	106	-	7
Juneau	298	277	4	5	9	2	1
Kenosha	2,091	1,633	195	6	230	1	25
Kewaunee	235	230	-	-	3	-	2
La Crosse	1,253	1,148	15	4	11	53	20
Lafayette	194	187	-	2	4	-	1
Langlade	238	228	-	5	4	-	1
Lincoln	334	325	2	2	3	-	1
Manitowoc	846	772	4	6	35	22	6
Marathon	1,503	1,333	4	6	30	112	18
Marinette	395	384	-	3	5	1	2
Marquette	150	142	-	4	3	-	1
Menominee	85	4	-	78	3	-	-
Milwaukee	14,332	6,383	4,962	119	2,276	249	339
Monroe	559	532	1	7	13	-	6

(Continued)

Table 8a. Number of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2002

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Oconto	383	374	1	6	2	-	-
Oneida	327	314	1	5	5	-	2
Outagamie	2,337	2,065	5	53	108	75	31
Ozaukee	925	878	8	2	21	1	15
Pepin	84	84	-	-	-	-	-
Pierce	411	398	3	2	7	-	1
Polk	435	418	-	9	6	-	1
Portage	706	639	5	4	25	26	7
Price	137	133	-	-	1	-	3
Racine	2,540	1,737	394	11	360	3	34
Richland	207	201	1	-	3	-	2
Rock	1,966	1,643	124	7	166	2	22
Rusk	160	153	2	3	2	-	-
St. Croix	998	966	2	9	11	1	9
Sauk	722	661	1	21	35	-	4
Sawyer	171	107	-	61	2	-	1
Shawano	464	401	1	54	7	1	-
Sheboygan	1,380	1,147	6	8	115	90	14
Taylor	230	227	1	-	2	-	-
Trempealeau	284	278	1	-	4	-	1
Vernon	381	374	-	-	3	-	2
Vilas	189	139	-	46	3	-	1
Walworth	1,161	953	10	2	188	1	7
Washburn	159	154	-	2	1	-	2
Washington	1,517	1,471	4	3	27	2	10
Waukesha	4,268	3,822	36	9	245	7	147
Waupaca	598	562	2	5	25	-	4
Waushara	239	197	1	3	36	-	2
Winnebago	1,845	1,671	22	11	72	49	19
Wood	812	755	3	7	19	14	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 24 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 2002

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	**68,510**	**78.5%**	**9.3%**	**1.4%**	**7.7%**	**1.4%**	**1.6%**
Adams	160	96.3	0.6	1.9	1.3	-	-
Ashland	211	74.9	0.5	20.9	2.4	-	1.4
Barron	514	96.5	0.8	0.8	1.6	-	0.4
Bayfield	151	83.4	-	13.9	1.3	-	1.3
Brown	3,282	79.0	2.0	4.5	10.8	2.5	1.2
Buffalo	160	98.1	-	-	1.3	-	0.6
Burnett	172	87.2	-	11.0	-	-	1.7
Calumet	566	94.0	0.7	0.5	1.9	2.3	0.5
Chippewa	695	96.4	0.4	0.4	0.9	1.0	0.9
Clark	526	96.8	0.2	0.4	2.5	-	0.2
Columbia	622	96.3	-	0.6	2.4	0.2	0.5
Crawford	185	97.3	0.5	1.6	0.5	-	-
Dane	5,561	77.9	7.3	0.8	8.0	1.5	4.4
Dodge	950	92.5	0.4	0.4	6.1	0.1	0.4
Door	226	95.6	-	-	3.5	-	0.9
Douglas	474	95.4	0.6	3.2	0.4	0.2	-
Dunn	464	95.3	0.6	0.4	0.6	1.7	1.3
Eau Claire	1,098	92.1	0.5	0.6	1.3	4.5	1.1
Florence	36	100.0	-	-	-	-	-
Fond du Lac	1,132	91.4	1.0	0.6	5.2	1.1	0.5
Forest	100	82.0	-	16.0	2.0	-	-
Grant	548	97.8	0.2	0.7	0.5	0.2	0.5
Green	377	98.1	-	-	1.3	-	0.5
Green Lake	222	93.2	0.5	0.5	4.1	1.4	0.5
Iowa	301	99.0	-	-	1.0	-	-
Iron	42	92.9	-	2.4	2.4	-	2.4
Jackson	226	88.5	-	9.3	1.8	-	0.4
Jefferson	960	87.4	0.2	0.6	11.0	-	0.7
Juneau	298	93.0	1.3	1.7	3.0	0.7	0.3
Kenosha	2,091	78.1	9.3	0.3	11.0	0.0	1.2
Kewaunee	235	97.9	-	-	1.3	-	0.9
La Crosse	1,253	91.6	1.2	0.3	0.9	4.2	1.6
Lafayette	194	96.4	-	1.0	2.1	-	0.5
Langlade	238	95.8	-	2.1	1.7	-	0.4
Lincoln	334	97.3	0.6	0.6	0.9	-	0.3
Manitowoc	846	91.3	0.5	0.7	4.1	2.6	0.7
Marathon	1,503	88.7	0.3	0.4	2.0	7.5	1.2
Marinette	395	97.2	-	0.8	1.3	0.3	0.5
Marquette	150	94.7	-	2.7	2.0	-	0.7
Menominee	85	4.7	-	91.8	3.5	-	-
Milwaukee	14,332	44.5	34.6	0.8	15.9	1.7	2.4
Monroe	559	95.2	0.2	1.3	2.3	-	1.1

(Continued)

Table 8b. Percent of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 2002

County	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Oconto	383	97.7	0.3	1.6	0.5	-	-
Oneida	327	96.0	0.3	1.5	1.5	-	0.6
Outagamie	2,337	88.4	0.2	2.3	4.6	3.2	1.3
Ozaukee	925	94.9	0.9	0.2	2.3	0.1	1.6
Pepin	84	100.0	-	-	-	-	-
Pierce	411	96.8	0.7	0.5	1.7	-	0.2
Polk	435	96.1	-	2.1	1.4	-	0.2
Portage	706	90.5	0.7	0.6	3.5	3.7	1.0
Price	137	97.1	-	-	0.7	-	2.2
Racine	2,540	68.4	15.5	0.4	14.2	0.1	1.3
Richland	207	97.1	0.5	-	1.4	-	1.0
Rock	1,966	83.6	6.3	0.4	8.4	0.1	1.1
Rusk	160	95.6	1.3	1.9	1.3	-	-
St. Croix	998	96.8	0.2	0.9	1.1	0.1	0.9
Sauk	722	91.6	0.1	2.9	4.8	-	0.6
Sawyer	171	62.6	-	35.7	1.2	-	0.6
Shawano	464	86.4	0.2	11.6	1.5	0.2	-
Sheboygan	1,380	83.1	0.4	0.6	8.3	6.5	1.0
Taylor	230	98.7	0.4	-	0.9	-	-
Trempealeau	284	97.9	0.4	-	1.4	-	0.4
Vernon	381	98.2	-	0.8	-	0.5	0.5
Vilas	189	73.5	-	24.3	1.6	-	0.5
Walworth	1,161	82.1	0.9	0.2	16.2	0.1	0.6
Washburn	159	96.9	-	1.3	0.6	-	1.3
Washington	1,517	97.0	0.3	0.2	1.8	0.1	0.7
Waukesha	4,268	89.6	0.8	0.2	5.7	0.2	3.4
Waupaca	598	94.0	0.3	0.8	4.2	-	0.7
Waushara	239	82.4	0.4	1.3	15.1	-	0.8
Winnebago	1,845	90.6	1.2	0.6	3.9	2.7	1.0
Wood	812	93.0	0.4	0.9	2.3	1.7	1.5

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 24 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 2002

	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	**68,510**	**53,798**	**6,338**	**974**	**5,274**	**977**	**1,125**
DHFS Regions							
Southern	12,091	10,318	543	99	751	93	284
Southeastern	27,794	17,716	5,611	158	3,453	264	584
Northeastern	14,385	12,531	124	390	856	349	131
Western	9,053	8,592	43	109	110	119	74
Northern	5,187	4,641	17	218	104	152	52
Perinatal Regions							
South Central	14,027	11,930	554	104	1,044	94	298
Southeast	27,053	17,071	5,605	158	3,274	353	584
Fox Valley	7,089	6,411	46	87	323	153	67
Northeast	5,916	4,973	72	295	418	106	50
Western	7,747	7,354	38	71	93	118	68
North Central	5,298	4,873	19	96	109	152	46
Northwest	1,380	1,186	4	163	13	1	12

Table 9b. Percent of Births by Race/Ethnicity of Mother and Region, Wisconsin 2002

	Total	White	Black/Afr. American	Amer. Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	**68,510**	**78.5%**	**9.3%**	**1.4%**	**7.7%**	**1.4%**	**1.6%**
DHFS Regions							
Southern	12,091	85.3	4.5	0.8	6.2	0.8	2.3
Southeastern	27,794	63.7	20.2	0.6	12.4	0.9	2.1
Northeastern	14,385	87.1	0.9	2.7	6.0	2.4	0.9
Western	9,053	94.9	0.5	1.2	1.2	1.3	0.8
Northern	5,187	89.5	0.3	4.2	2.0	2.9	1.0
Perinatal Regions							
South Central	14,027	85.1	3.9	0.7	7.4	0.7	2.1
Southeast	27,053	63.1	20.7	0.6	12.1	1.3	2.2
Fox Valley	7,089	90.4	0.6	1.2	4.6	2.2	0.9
Northeast	5,916	84.1	1.2	5.0	7.1	1.8	0.8
Western	7,747	94.9	0.5	0.9	1.2	1.5	0.9
North Central	5,298	92.0	0.4	1.8	2.1	2.9	0.9
Northwest	1,380	85.9	0.3	11.8	0.9	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 24 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 2002

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	**68,510**	**2,514**	**8,448**	**20,234**	**16,454**	**12,059**	**8,561**
Adams	160	1	27	75	32	17	8
Ashland	211	1	28	98	56	15	13
Barron	514	26	46	188	138	62	54
Bayfield	151	-	9	46	48	30	18
Brown	3,282	159	416	930	794	630	349
Buffalo	160	7	5	53	56	22	17
Burnett	172	1	24	72	42	19	13
Calumet	566	7	30	156	159	132	82
Chippewa	695	21	60	262	178	102	72
Clark	526	173	46	153	110	26	17
Columbia	622	16	34	192	199	114	66
Crawford	185	3	14	85	47	21	15
Dane	5,561	145	460	1,074	1,179	1,432	1,258
Dodge	950	13	108	337	260	131	98
Door	226	1	22	79	56	44	24
Douglas	474	-	40	158	145	76	53
Dunn	464	11	38	138	134	82	60
Eau Claire	1,098	39	74	291	322	191	181
Florence	36	-	3	15	9	3	6
Fond du Lac	1,132	22	130	408	292	167	111
Forest	100	1	19	30	31	8	11
Grant	548	28	34	140	209	82	53
Green	377	3	33	136	114	52	39
Green Lake	222	36	16	77	49	25	19
Iowa	301	1	22	100	86	61	31
Iron	42	-	-	15	16	6	5
Jackson	226	11	37	94	54	15	14
Jefferson	960	33	114	316	229	157	110
Juneau	298	2	48	139	68	20	21
Kenosha	2,091	61	292	737	469	339	187
Kewaunee	235	-	17	90	71	41	16
La Crosse	1,253	6	77	314	381	221	234
Lafayette	194	12	12	64	61	32	13
Langlade	238	5	30	100	58	22	23
Lincoln	334	2	39	128	90	36	37
Manitowoc	846	18	117	295	217	126	70
Marathon	1,503	77	123	516	411	221	154
Marinette	395	3	44	140	122	49	37
Marquette	150	11	21	66	33	10	9
Menominee	85	2	26	36	20	1	-
Milwaukee	14,332	758	3,328	4,035	2,735	1,998	1,415
Monroe	559	85	55	187	134	57	39

(Continued)

Table 10a. Number of Births by Education of Mother and County of Residence, Wisconsin 2002

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Oconto	383	3	36	149	99	62	32
Oneida	327	-	28	113	98	53	35
Outagamie	2,337	54	175	749	611	444	301
Ozaukee	925	1	24	179	200	323	198
Pepin	84	18	3	26	18	13	6
Pierce	411	-	17	136	118	78	61
Polk	435	5	36	137	139	68	47
Portage	706	10	63	236	190	101	104
Price	137	-	11	47	40	23	15
Racine	2,540	86	426	764	626	375	242
Richland	207	16	17	80	59	19	12
Rock	1,966	75	318	650	462	219	218
Rusk	160	5	11	69	45	23	7
St. Croix	998	1	33	217	312	252	167
Sauk	722	38	83	254	170	96	79
Sawyer	171	2	31	60	50	14	14
Shawano	464	16	48	192	125	47	36
Sheboygan	1,380	37	145	493	341	213	149
Taylor	230	13	18	85	70	25	18
Trempealeau	284	10	25	89	89	36	35
Vernon	381	112	16	100	85	27	40
Vilas	189	-	25	67	48	31	18
Walworth	1,161	65	149	349	246	203	143
Washburn	159	1	17	57	47	20	17
Washington	1,517	6	68	399	410	406	226
Waukesha	4,268	48	171	802	1,000	1,385	857
Waupaca	598	10	56	274	125	74	59
Waushara	239	32	30	91	41	30	15
Winnebago	1,845	41	179	532	446	382	256
Wood	812	8	71	273	230	122	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 240 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 2002

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	**68,510**	**3.7%**	**12.3%**	**29.5%**	**24.0%**	**17.6%**	**12.5%**
Adams	160	0.6	16.9	46.9	20.0	10.6	5.0
Ashland	211	0.5	13.3	46.4	26.5	7.1	6.2
Barron	514	5.1	8.9	36.6	26.8	12.1	10.5
Bayfield	151	-	6.0	30.5	31.8	19.9	11.9
Brown	3,282	4.8	12.7	28.3	24.2	19.2	10.6
Buffalo	160	4.4	3.1	33.1	35.0	13.8	10.6
Burnett	172	0.6	14.0	41.9	24.4	11.0	7.6
Calumet	566	1.2	5.3	27.6	28.1	23.3	14.5
Chippewa	695	3.0	8.6	37.7	25.6	14.7	10.4
Clark	526	32.9	8.7	29.1	20.9	4.9	3.2
Columbia	622	2.6	5.5	30.9	32.0	18.3	10.6
Crawford	185	1.6	7.6	45.9	25.4	11.4	8.1
Dane	5,561	2.6	8.3	19.3	21.2	25.8	22.6
Dodge	950	1.4	11.4	35.5	27.4	13.8	10.3
Door	226	0.4	9.7	35.0	24.8	19.5	10.6
Douglas	474	-	8.4	33.3	30.6	16.0	11.2
Dunn	464	2.4	8.2	29.7	28.9	17.7	12.9
Eau Claire	1,098	3.6	6.7	26.5	29.3	17.4	16.5
Florence	36	-	8.3	41.7	25.0	8.3	16.7
Fond du Lac	1,132	1.9	11.5	36.0	25.8	14.8	9.8
Forest	100	1.0	19.0	30.0	31.0	8.0	11.0
Grant	548	5.1	6.2	25.5	38.1	15.0	9.7
Green	377	0.8	8.8	36.1	30.2	13.8	10.3
Green Lake	222	16.2	7.2	34.7	22.1	11.3	8.6
Iowa	301	0.3	7.3	33.2	28.6	20.3	10.3
Iron	42	-	-	35.7	38.1	14.3	11.9
Jackson	226	4.9	16.4	41.6	23.9	6.6	6.2
Jefferson	960	3.4	11.9	32.9	23.9	16.4	11.5
Juneau	298	0.7	16.1	46.6	22.8	6.7	7.0
Kenosha	2,091	2.9	14.0	35.2	22.4	16.2	8.9
Kewaunee	235	-	7.2	38.3	30.2	17.4	6.8
La Crosse	1,253	0.5	6.1	25.1	30.4	17.6	18.7
Lafayette	194	6.2	6.2	33.0	31.4	16.5	6.7
Langlade	238	2.1	12.6	42.0	24.4	9.2	9.7
Lincoln	334	0.6	11.7	38.3	26.9	10.8	11.1
Manitowoc	846	2.1	13.8	34.9	25.7	14.9	8.3
Marathon	1,503	5.1	8.2	34.3	27.3	14.7	10.2
Marinette	395	0.8	11.1	35.4	30.9	12.4	9.4
Marquette	150	7.3	14.0	44.0	22.0	6.7	6.0
Menominee	85	2.4	30.6	42.4	23.5	1.2	-
Milwaukee	14,332	5.3	23.2	28.2	19.1	13.9	9.9
Monroe	559	15.2	9.8	33.5	24.0	10.2	7.0

(Continued)

Table 10b. Percent of Births by Education of Mother and County of Residence, Wisconsin 2002

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Oconto	383	0.8	9.4	38.9	25.8	16.2	8.4
Oneida	327	-	8.6	34.6	30.0	16.2	10.7
Outagamie	2,337	2.3	7.5	32.0	26.1	19.0	12.9
Ozaukee	925	0.1	2.6	19.4	21.6	34.9	21.4
Pepin	84	21.4	3.6	31.0	21.4	15.5	7.1
Pierce	411	-	4.1	33.1	28.7	19.0	14.8
Polk	435	1.1	8.3	31.5	32.0	15.6	10.8
Portage	706	1.4	8.9	33.4	26.9	14.3	14.7
Price	137	-	8.0	34.3	29.2	16.8	10.9
Racine	2,540	3.4	16.8	30.1	24.6	14.8	9.5
Richland	207	7.7	8.2	38.6	28.5	9.2	5.8
Rock	1,966	3.8	16.2	33.1	23.5	11.1	11.1
Rusk	160	3.1	6.9	43.1	28.1	14.4	4.4
St. Croix	998	0.1	3.3	21.7	31.3	25.3	16.7
Sauk	722	5.3	11.5	35.2	23.5	13.3	10.9
Sawyer	171	1.2	18.1	35.1	29.2	8.2	8.2
Shawano	464	3.4	10.3	41.4	26.9	10.1	7.8
Sheboygan	1,380	2.7	10.5	35.7	24.7	15.4	10.8
Taylor	230	5.7	7.8	37.0	30.4	10.9	7.8
Trempealeau	284	3.5	8.8	31.3	31.3	12.7	12.3
Vernon	381	29.4	4.2	26.2	22.3	7.1	10.5
Vilas	189	-	13.2	35.4	25.4	16.4	9.5
Walworth	1,161	5.6	12.8	30.1	21.2	17.5	12.3
Washburn	159	0.6	10.7	35.8	29.6	12.6	10.7
Washington	1,517	0.4	4.5	26.3	27.0	26.8	14.9
Waukesha	4,268	1.1	4.0	18.8	23.4	32.5	20.1
Waupaca	598	1.7	9.4	45.8	20.9	12.4	9.9
Waushara	239	13.4	12.6	38.1	17.2	12.6	6.3
Winnebago	1,845	2.2	9.7	28.8	24.2	20.7	13.9
Wood	812	1.0	8.7	33.6	28.3	15.0	12.6

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 240 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 2002

	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	**68,510**	**2,514**	**8,448**	**20,234**	**16,454**	**12,059**	**8,561**
DHFS Regions							
Southern	12,091	353	1,210	3,326	2,946	2,296	1,911
Southeastern	27,794	1,058	4,572	7,581	5,915	5,186	3,378
Northeastern	14,385	452	1,508	4,757	3,601	2,477	1,565
Western	9,053	532	660	2,741	2,547	1,390	1,134
Northern	5,187	119	498	1,829	1,445	710	573
Perinatal Regions							
South Central	14,027	448	1,459	3,906	3,374	2,635	2,149
Southeast	27,053	997	4,454	7,409	5,781	5,039	3,274
Fox Valley	7,089	213	637	2,353	1,756	1,264	852
Northeast	5,916	202	726	1,911	1,504	1,000	564
Western	7,747	355	536	2,317	2,205	1,247	1,042
North Central	5,298	294	487	1,832	1,430	694	547
Northwest	1,380	5	149	506	404	180	133

Table 11b. Percent of Births by Education of Mother and Region, Wisconsin 2002

	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	**68,510**	**3.7%**	**12.3%**	**29.5%**	**24.0%**	**17.6%**	**12.5%**
DHFS Regions							
Southern	12,091	2.9	10.0	27.5	24.4	19.0	15.8
Southeastern	27,794	3.8	16.4	27.3	21.3	18.7	12.2
Northeastern	14,385	3.1	10.5	33.1	25.0	17.2	10.9
Western	9,053	5.9	7.3	30.3	28.1	15.4	12.5
Northern	5,187	2.3	9.6	35.3	27.9	13.7	11.0
Perinatal Regions							
South Central	14,027	3.2	10.4	27.8	24.1	18.8	15.3
Southeast	27,053	3.7	16.5	27.4	21.4	18.6	12.1
Fox Valley	7,089	3.0	9.0	33.2	24.8	17.8	12.0
Northeast	5,916	3.4	12.3	32.3	25.4	16.9	9.5
Western	7,747	4.6	6.9	29.9	28.5	16.1	13.5
North Central	5,298	5.5	9.2	34.6	27.0	13.1	10.3
Northwest	1,380	0.4	10.8	36.7	29.3	13.0	9.6

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 240 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 2002

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	**20,707**	**108**	**1,720**	**3,658**	**8,474**	**3,873**	**1,815**	**859**	**194**
Adams	67	-	8	15	24	13	3	4	-
Ashland	82	-	6	11	42	14	6	3	-
Barron	157	-	12	41	54	31	10	8	1
Bayfield	38	-	n/s	7	16	8	1	4	-
Brown	945	8	64	171	380	180	87	45	10
Buffalo	32	-	n/s	9	15	5	1	1	-
Burnett	69	-	6	12	34	10	6	1	-
Calumet	80	-	6	4	35	21	7	6	1
Chippewa	158	-	9	39	60	26	14	6	4
Clark	92	-	6	26	33	19	5	2	1
Columbia	132	-	6	21	53	25	20	6	1
Crawford	56	-	5	18	21	5	5	1	n/s
Dane	1,313	7	98	170	507	276	165	69	21
Dodge	282	-	16	57	125	39	32	10	3
Door	55	-	n/s	11	26	7	5	4	1
Douglas	173	n/s	10	28	71	37	15	5	6
Dunn	102	-	12	14	50	14	10	2	-
Eau Claire	284	-	20	49	131	48	27	8	1
Florence	3	-	-	n/s	1	-	1	-	-
Fond du Lac	313	-	16	56	143	66	15	16	1
Forest	38	-	7	9	15	4	3	-	-
Grant	125	n/s	8	26	55	19	12	4	-
Green	105	-	9	15	44	18	11	7	1
Green Lake	54	-	6	10	27	9	2	-	-
Iowa	57	-	5	8	28	9	4	3	-
Iron	10	-	-	-	5	2	1	-	n/s
Jackson	78	-	7	14	30	15	10	2	-
Jefferson	239	n/s	22	45	110	36	15	8	1
Juneau	116	-	5	26	44	23	10	6	2
Kenosha	678	-	51	137	291	116	60	21	2
Kewaunee	48	-	5	11	18	6	6	-	n/s
La Crosse	300	n/s	17	58	143	46	27	7	1
Lafayette	44	-	5	7	21	5	4	2	-
Langlade	79	n/s	10	18	26	16	6	1	n/s
Lincoln	100	-	6	22	45	18	4	4	n/s
Manitowoc	252	n/s	22	44	100	48	25	8	3
Marathon	343	n/s	24	70	157	56	21	14	-
Marinette	98	-	6	20	41	22	4	2	3
Marquette	46	-	n/s	8	26	3	3	2	-
Menominee	65	-	8	7	27	14	7	n/s	-
Milwaukee	7,249	65	724	1,215	2,811	1,424	638	292	80
Monroe	140	-	7	33	61	20	11	8	-

(Continued)

Table 12a. Number of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2002

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Oconto	104	-	10	21	43	16	9	3	2
Oneida	75	-	n/s	14	39	10	4	3	2
Outagamie	457	n/s	34	87	198	80	37	19	1
Ozaukee	110	-	8	17	45	24	7	8	1
Pepin	16	-	n/s	4	7	4	-	-	-
Pierce	94	-	n/s	20	45	15	5	5	-
Polk	108	-	9	24	37	15	13	9	1
Portage	180	n/s	16	35	80	27	8	10	3
Price	29	-	n/s	3	9	8	5	1	-
Racine	988	9	90	190	400	178	72	40	9
Richland	50	-	n/s	10	22	10	4	2	-
Rock	726	n/s	67	139	272	144	69	29	3
Rusk	39	-	n/s	8	14	7	6	1	-
St. Croix	145	-	3	19	69	31	11	9	3
Sauk	211	-	22	41	88	35	17	8	-
Sawyer	73	-	4	15	30	12	8	4	-
Shawano	141	-	10	28	64	24	9	3	3
Sheboygan	310	n/s	22	46	146	59	20	14	1
Taylor	58	-	n/s	11	17	14	7	5	-
Trempealeau	70	-	6	9	34	14	6	1	-
Vernon	64	-	5	16	23	15	2	2	1
Vilas	60	-	4	9	20	15	5	6	n/s
Walworth	271	-	18	49	108	57	19	18	2
Washburn	46	-	n/s	12	21	3	4	2	-
Washington	223	n/s	11	47	94	36	23	8	3
Waukesha	532	n/s	36	82	221	96	59	32	5
Waupaca	152	-	11	22	65	29	15	9	1
Waushara	63	-	7	16	26	9	-	2	3
Winnebago	412	n/s	27	69	193	74	35	10	3
Wood	203	-	14	32	98	39	17	2	1

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

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

Table 12b. Percent of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2002

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	**20,879**	**0.5%**	**8.3%**	**17.7%**	**40.9%**	**18.7%**	**8.8%**	**4.1%**	**0.9%**
Adams	67	-	11.9	22.4	35.8	19.4	4.5	6.0	-
Ashland	82	-	7.3	13.4	51.2	17.1	7.3	3.7	-
Barron	157	-	7.6	26.1	34.4	19.7	6.4	5.1	0.6
Bayfield	38	-	n/s	18.4	42.1	21.1	2.6	10.5	-
Brown	945	0.8	6.8	18.1	40.2	19.0	9.2	4.8	1.1
Buffalo	32	-	n/s	28.1	46.9	15.6	3.1	3.1	-
Burnett	69	-	8.7	17.4	49.3	14.5	8.7	1.4	-
Calumet	80	-	7.5	5.0	43.8	26.3	8.8	7.5	1.3
Chippewa	158	-	5.7	24.7	38.0	16.5	8.9	3.8	2.5
Clark	92	-	6.5	28.3	35.9	20.7	5.4	2.2	1.1
Columbia	132	-	4.5	15.9	40.2	18.9	15.2	4.5	0.8
Crawford	56	-	8.9	32.1	37.5	8.9	8.9	1.8	1.8
Dane	1,313	0.5	7.5	12.9	38.6	21.0	12.6	5.3	1.6
Dodge	282	-	5.7	20.2	44.3	13.8	11.3	3.6	1.1
Door	55	-	n/s	20.0	47.3	12.7	9.1	7.3	1.8
Douglas	173	n/s	5.8	16.2	41.0	21.4	8.7	2.9	3.5
Dunn	102	-	11.8	13.7	49.0	13.7	9.8	2.0	-
Eau Claire	284	-	7.0	17.3	46.1	16.9	9.5	2.8	0.4
Florence	3	-	-	n/s	33.3	33.3	-	33.3	-
Fond du Lac	313	-	5.1	17.9	45.7	21.1	4.8	5.1	0.3
Forest	38	-	18.4	23.7	39.5	10.5	7.9	-	-
Grant	125	n/s	6.4	20.8	44.0	15.2	9.6	3.2	-
Green	105	-	8.6	14.3	41.9	17.1	10.5	6.7	1.0
Green Lake	54	-	11.1	18.5	50.0	16.7	3.7	-	-
Iowa	57	-	8.8	14.0	49.1	15.8	7.0	5.3	-
Iron	10	-	-	-	50.0	20.0	10.0	-	n/s
Jackson	78	-	9.0	17.9	38.5	19.2	12.8	2.6	-
Jefferson	239	n/s	9.2	18.8	46.0	15.1	6.3	3.3	0.4
Juneau	116	-	4.3	22.4	37.9	19.8	8.6	5.2	1.7
Kenosha	678	-	7.5	20.2	42.9	17.1	8.9	3.1	0.3
Kewaunee	48	-	10.4	22.9	37.5	12.5	12.5	-	n/s
La Crosse	300	n/s	5.7	19.3	47.7	15.3	9.0	2.3	0.3
Lafayette	44	-	11.4	15.9	47.7	11.4	9.1	4.5	-
Langlade	79	n/s	12.7	22.8	32.9	20.3	7.6	1.3	n/s
Lincoln	100	-	6.0	22.0	45.0	18.0	4.0	4.0	n/s
Manitowoc	252	n/s	8.7	17.5	39.7	19.0	9.9	3.2	1.2
Marathon	343	n/s	7.0	20.4	45.8	16.3	6.1	4.1	-
Marinette	98	-	6.1	20.4	41.8	22.4	4.1	2.0	3.1
Marquette	46	-	n/s	17.4	56.5	6.5	6.5	4.3	-
Menominee	65	-	12.3	10.8	41.5	21.5	10.8	n/s	-
Milwaukee	7,249	0.9	10.0	16.8	38.8	19.6	8.8	4.0	1.1
Monroe	140	-	5.0	23.6	43.6	14.3	7.9	5.7	-

(Continued)

Table 12b. Percent of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 2002

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Oconto	104	-	9.6	20.2	41.3	15.4	8.7	2.9	1.9
Oneida	75	-	n/s	18.7	52.0	13.3	5.3	4.0	2.7
Outagamie	457	n/s	7.4	19.0	43.3	17.5	8.1	4.2	0.2
Ozaukee	110	-	7.3	15.5	40.9	21.8	6.4	7.3	0.9
Pepin	16	-	n/s	25.0	43.8	25.0	-	-	-
Pierce	94	-	n/s	21.3	47.9	16.0	5.3	5.3	-
Polk	108	-	8.3	22.2	34.3	13.9	12.0	8.3	0.9
Portage	180	n/s	8.9	19.4	44.4	15.0	4.4	5.6	1.7
Price	29	-	n/s	10.3	31.0	27.6	17.2	3.4	-
Racine	988	0.9	9.1	19.2	40.5	18.0	7.3	4.0	0.9
Richland	50	-	n/s	20.0	44.0	20.0	8.0	4.0	-
Rock	726	n/s	9.2	19.1	37.5	19.8	9.5	4.0	0.4
Rusk	39	-	n/s	20.5	35.9	17.9	15.4	2.6	-
St. Croix	145	-	2.1	13.1	47.6	21.4	7.6	6.2	2.1
Sauk	211	-	10.4	19.4	41.7	16.6	8.1	3.8	-
Sawyer	73	-	5.5	20.5	41.1	16.4	11.0	5.5	-
Shawano	141	-	7.1	19.9	45.4	17.0	6.4	2.1	2.1
Sheboygan	310	n/s	7.1	14.8	47.1	19.0	6.5	4.5	0.3
Taylor	58	-	n/s	19.0	29.3	24.1	12.1	8.6	-
Trempealeau	70	-	8.6	12.9	48.6	20.0	8.6	1.4	-
Vernon	64	-	7.8	25.0	35.9	23.4	3.1	3.1	1.6
Vilas	60	-	6.7	15.0	33.3	25.0	8.3	10.0	n/s
Walworth	271	-	6.6	18.1	39.9	21.0	7.0	6.6	0.7
Washburn	46	-	n/s	26.1	45.7	6.5	8.7	4.3	-
Washington	223	n/s	4.9	21.1	42.2	16.1	10.3	3.6	1.3
Waukesha	532	n/s	6.8	15.4	41.5	18.1	11.1	6.0	0.9
Waupaca	152	-	7.2	14.5	42.8	19.1	9.9	5.9	0.7
Waushara	63	-	11.1	25.4	41.3	14.3	-	3.2	4.8
Winnebago	412	n/s	6.6	16.7	46.8	18.0	8.5	2.4	0.7
Wood	203	-	6.9	15.8	48.3	19.2	8.4	1.0	0.5

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

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

Table 13a. Births to Unmarried Mothers by Age and Region, Wisconsin 2002

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	**20,707**	**108**	**1,720**	**3,658**	**8,474**	**3,873**	**1,815**	**859**	**194**
DHFS Regions									
Southern	3,284	11	256	553	1,304	621	356	151	32
Southeastern	10,290	78	960	1,782	4,080	1,967	893	427	99
Northeastern	3,595	14	259	631	1,558	667	286	145	33
Western	2,167	n/s	142	435	932	375	183	79	19
Northern	1,371	n/s	103	257	600	243	97	57	11
Perinatal Regions									
South Central	3,738	13	291	629	1,501	709	385	176	34
Southeast	10,090	78	942	1,734	4,008	1,933	879	415	97
Fox Valley	1,577	n/s	111	272	713	291	114	64	10
Northeast	1,708	10	126	313	699	317	152	67	22
Western	1,804	n/s	118	367	780	304	152	69	13
North Central	1,299	n/s	100	258	554	233	92	49	10
Northwest	491	n/s	32	85	219	86	41	19	8

Table 13b. Percent of Births to Unmarried Mothers by Age and Region, Wisconsin 2002

	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	3,284	0.3	7.8	16.8	39.7	18.9	10.8	4.6	1.0
Southeastern	10,290	0.8	9.3	17.3	39.7	19.1	8.7	4.1	1.0
Northeastern	3,595	0.4	7.2	17.6	43.3	18.6	8.0	4.0	1.0
Western	2,167	n/s	6.6	20.1	43.0	17.3	8.4	3.6	0.9
Northern	1,371	n/s	7.5	18.7	43.8	17.7	7.1	4.2	0.8
Perinatal Regions									
South Central	3,738	0.3	7.8	16.8	40.2	19.0	10.3	4.7	0.9
Southeast	10,090	0.8	9.3	17.2	39.7	19.2	8.7	4.1	1.0
Fox Valley	1,577	n/s	7.0	17.2	45.2	18.5	7.2	4.1	0.6
Northeast	1,708	0.6	7.4	18.3	40.9	18.6	8.9	3.9	1.4
Western	1,804	n/s	6.5	20.3	43.2	16.9	8.4	3.8	0.7
North Central	1,299	n/s	7.7	19.9	42.6	17.9	7.1	3.8	0.8
Northwest	491	n/s	6.5	17.3	44.6	17.5	8.4	3.9	1.6

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

Notes: Included in the totals are 6 births for which age of mother was not reported. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 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 2002

County	Total	Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
		First	Second	Third	No Care	2002	2001	2000
Total	**68,510**	**57,686**	**8,544**	**1,677**	**479**	**84.2%**	**83.7%**	**83.9%**
Adams	160	120	35	5	-	75.0	75.4	74.7
Ashland	211	180	30	1	-	85.3	80.5	83.5
Barron	514	443	45	19	2	86.2	81.4	84.5
Bayfield	151	129	21	1	-	85.4	84.4	85.1
Brown	3,282	2,731	441	93	15	83.2	84.2	84.9
Buffalo	160	144	13	2	1	90.0	83.2	80.4
Burnett	172	141	23	5	1	82.0	76.1	77.9
Calumet	566	506	53	6	1	89.4	90.3	87.9
Chippewa	695	597	83	11	3	85.9	82.9	85.9
Clark	526	314	159	38	13	59.7	59.8	63.5
Columbia	622	521	82	18	1	83.8	85.6	85.7
Crawford	185	152	27	6	-	82.2	73.9	74.3
Dane	5,561	4,887	578	74	22	87.9	88.4	88.4
Dodge	950	818	102	23	6	86.1	88.0	86.8
Door	226	190	33	2	1	84.1	88.5	85.8
Douglas	474	416	47	8	3	87.8	86.4	87.1
Dunn	464	395	59	9	1	85.1	79.6	81.6
Eau Claire	1,098	892	164	28	10	81.2	83.0	83.4
Florence	36	34	2	-	-	94.4	90.0	88.9
Fond du Lac	1,132	968	122	35	6	85.5	81.9	85.3
Forest	100	83	12	3	2	83.0	82.0	86.8
Grant	548	434	94	17	2	79.2	78.2	79.4
Green	377	332	38	7	-	88.1	88.9	88.8
Green Lake	222	167	31	21	2	75.2	72.6	69.9
Iowa	301	272	23	2	1	90.4	89.0	85.9
Iron	42	37	4	-	-	88.1	95.8	85.0
Jackson	226	172	41	9	2	76.1	73.2	78.1
Jefferson	960	803	136	19	2	83.6	88.2	86.7
Juneau	298	222	69	7	-	74.5	78.2	74.5
Kenosha	2,091	1,771	260	41	18	84.7	82.7	82.5
Kewaunee	235	212	14	6	2	90.2	93.8	86.6
La Crosse	1,253	1,076	156	16	4	85.9	85.4	83.5
Lafayette	194	161	24	8	1	83.0	82.0	87.4
Langlade	238	199	35	4	-	83.6	85.0	84.7
Lincoln	334	298	31	3	-	89.2	86.9	84.0
Manitowoc	846	732	93	18	2	86.5	85.7	85.6
Marathon	1,503	1,175	286	36	6	78.2	77.2	78.8
Marinette	395	327	56	8	3	82.8	82.9	78.6
Marquette	150	116	26	6	2	77.3	77.2	74.7
Menominee	85	59	19	7	-	69.4	68.8	64.5
Milwaukee	14,332	11,365	2,298	466	189	79.3	79.3	79.5
Monroe	559	406	79	48	17	72.6	75.4	75.7

(Continued)

Table 14. Births by Trimester Prenatal Care Began and County of Residence, Wisconsin 2002

County	Total	Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
		First	Second	Third	No Care	2002	2001	2000
Oconto	383	328	41	9	5	85.6	87.5	90.6
Oneida	327	292	22	8	4	89.3	89.9	89.9
Outagamie	2,337	2,028	256	45	7	86.8	84.1	85.9
Ozaukee	925	853	54	15	2	92.2	96.0	94.1
Pepin	84	69	9	5	-	82.1	70.5	79.7
Pierce	411	360	40	4	3	87.6	84.1	82.0
Polk	435	363	54	11	1	83.4	83.5	84.8
Portage	706	590	102	14	-	83.6	83.6	84.7
Price	137	119	13	4	-	86.9	88.5	89.6
Racine	2,540	2,080	341	94	11	81.9	80.2	80.8
Richland	207	158	31	10	3	76.3	80.4	75.6
Rock	1,966	1,745	175	38	6	88.8	86.0	87.7
Rusk	160	142	15	2	1	88.8	77.8	80.4
St. Croix	998	888	80	12	1	89.0	87.9	84.9
Sauk	722	599	94	20	9	83.0	83.5	81.1
Sawyer	171	124	39	7	1	72.5	78.0	78.0
Shawano	464	378	72	12	2	81.5	85.1	82.3
Sheboygan	1,380	1,211	146	19	4	87.8	84.3	86.8
Taylor	230	185	35	5	3	80.4	75.6	80.6
Trempealeau	284	237	37	7	1	83.5	83.0	86.0
Vernon	381	232	76	64	8	60.9	62.3	65.9
Vilas	189	160	24	2	1	84.7	87.1	83.9
Walworth	1,161	980	143	27	10	84.4	82.2	81.2
Washburn	159	129	26	3	-	81.1	77.6	80.4
Washington	1,517	1,407	97	7	5	92.7	93.1	91.1
Waukesha	4,268	4,082	155	25	5	95.6	94.6	95.1
Waupaca	598	511	65	17	1	85.5	81.7	83.1
Waushara	239	186	37	15	1	77.8	75.0	72.4
Winnebago	1,845	1,587	197	32	29	86.0	85.7	85.8
Wood	812	666	124	8	14	82.0	81.7	80.8

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

Notes: Included in the totals are 124 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 2002

		Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
	Total	First	Second	Third	No Care	2002	2001	2000
Total	**68,510**	**57,686**	**8,544**	**1,677**	**479**	**84.2%**	**83.7%**	**83.9%**
DHFS Regions								
Southern	12,091	10,421	1,372	235	51	86.2	86.2	86.2
Southeastern	27,794	23,341	3,484	694	242	84.0	83.7	83.6
Northeastern	14,385	12,237	1,702	351	83	85.1	84.3	84.7
Western	9,053	7,416	1,206	301	72	81.9	80.5	81.3
Northern	5,187	4,271	780	96	31	82.3	81.8	82.3
Perinatal Regions								
South Central	14,027	12,052	1,624	275	63	85.9	86.2	86.0
Southeast	27,053	22,769	3,351	667	234	84.2	83.6	83.8
Fox Valley	7,089	6,069	787	177	49	85.6	83.7	84.6
Northeast	5,916	4,957	769	155	30	83.8	85.0	84.4
Western	7,747	6,426	963	251	54	82.9	81.5	81.9
North Central	5,298	4,257	860	127	44	80.4	79.5	80.5
Northwest	1,380	1,156	190	25	5	83.8	82.5	83.4

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

Notes: Included in the totals are 124 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 2002

County	Total	Number of Prenatal Care Visits					Percent of Births
		No Visits	1-4	5-9	10-12	13+	With <10 Visits
Total	**68,510**	**479**	**1,729**	**12,760**	**30,610**	**22,717**	**22.0%**
Adams	160	-	7	41	75	37	30.0
Ashland	211	-	2	38	92	79	19.0
Barron	514	2	15	75	239	179	17.9
Bayfield	151	-	2	27	60	62	19.2
Brown	3,282	15	75	574	1,476	1,140	20.2
Buffalo	160	1	5	29	63	61	21.9
Burnett	172	1	5	63	65	36	40.1
Calumet	566	1	9	119	289	147	22.8
Chippewa	695	3	30	317	223	122	50.4
Clark	526	13	59	182	169	103	48.3
Columbia	622	1	10	129	283	199	22.5
Crawford	185	-	4	41	94	46	24.3
Dane	5,561	22	75	1,057	2,574	1,829	20.8
Dodge	950	6	20	166	429	328	20.2
Door	226	1	3	41	96	85	19.9
Douglas	474	3	12	127	256	76	30.0
Dunn	464	1	13	82	218	149	20.7
Eau Claire	1,098	10	48	206	406	424	24.0
Florence	36	-	-	7	10	19	19.4
Fond du Lac	1,132	6	41	474	432	178	46.0
Forest	100	2	2	15	46	35	19.0
Grant	548	2	26	142	257	119	31.0
Green	377	-	5	40	166	166	11.9
Green Lake	222	2	14	48	84	74	28.8
Iowa	301	1	2	48	171	76	16.9
Iron	42	-	-	6	21	14	14.3
Jackson	226	2	13	56	86	67	31.4
Jefferson	960	2	14	142	511	291	16.5
Juneau	298	-	6	69	137	86	25.2
Kenosha	2,091	18	39	333	885	808	18.7
Kewaunee	235	2	2	33	101	96	15.7
La Crosse	1,253	4	15	324	476	432	27.4
Lafayette	194	1	9	35	87	62	23.2
Langlade	238	-	5	37	135	61	17.6
Lincoln	334	-	4	70	165	93	22.2
Manitowoc	846	2	13	118	406	304	15.7
Marathon	1,503	6	54	504	670	269	37.5
Marinette	395	3	8	50	154	179	15.4
Marquette	150	2	5	24	77	41	20.7
Menominee	85	-	7	33	28	16	47.1
Milwaukee	14,332	189	480	2,907	6,132	4,581	25.0
Monroe	559	17	60	104	182	183	32.4

(Continued)

Table 16. Births by Number of Prenatal Care Visits and County of Residence, Wisconsin 2002

County	Total	Number of Prenatal Care Visits					Percent of Births
		No Visits	1-4	5-9	10-12	13+	With <10 Visits
Oconto	383	5	6	68	177	125	20.6
Oneida	327	4	2	31	146	143	11.3
Outagamie	2,337	7	40	460	1,206	624	21.7
Ozaukee	925	2	8	95	429	390	11.4
Pepin	84	-	10	19	26	28	34.5
Pierce	411	3	3	88	188	117	22.9
Polk	435	1	10	100	184	133	25.5
Portage	706	-	13	136	327	230	21.1
Price	137	-	3	30	69	34	24.1
Racine	2,540	11	58	403	1,195	843	18.6
Richland	207	3	14	47	88	50	30.9
Rock	1,966	6	34	200	1,088	637	12.2
Rusk	160	1	7	67	69	16	46.9
St. Croix	998	1	11	187	452	322	19.9
Sauk	722	9	19	123	336	235	20.9
Sawyer	171	1	7	74	51	38	48.0
Shawano	464	2	14	106	199	143	26.3
Sheboygan	1,380	4	14	179	609	573	14.3
Taylor	230	3	9	47	77	94	25.7
Trempealeau	284	1	15	57	111	100	25.7
Vernon	381	8	84	88	96	105	47.2
Vilas	189	1	4	38	75	71	22.8
Walworth	1,161	10	28	219	578	323	22.1
Washburn	159	-	3	42	74	39	28.3
Washington	1,517	5	6	84	612	807	6.3
Waukesha	4,268	5	28	241	1,981	1,999	6.4
Waupaca	598	1	14	114	279	188	21.6
Waushara	239	1	8	46	105	79	23.0
Winnebago	1,845	29	29	279	862	646	18.3
Wood	812	14	10	159	395	233	22.5

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

Notes: Included in the totals are 215 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 2002

		Number of Prenatal Care Visits					Percent of Births
	Total	No Visits	1-4	5-9	10-12	13+	With <10 Visits
Total	**68,510**	**479**	**1,729**	**12,760**	**30,610**	**22,717**	**21.8%**
DHFS Regions							
Southern	12,091	51	231	2,138	5,785	3,870	20.0
Southeastern	27,794	242	661	4,424	12,323	10,042	19.2
Northeastern	14,385	83	302	2,766	6,580	4,638	21.9
Western	9,053	72	418	2,213	3,583	2,692	29.9
Northern	5,187	31	117	1,219	2,339	1,475	26.4
Perinatal Regions							
South Central	14,027	63	269	2,458	6,780	4,438	19.9
Southeast	27,053	234	633	4,242	11,843	10,001	18.9
Fox Valley	7,089	49	160	1,564	3,334	1,977	25.0
Northeast	5,916	30	128	1,023	2,637	2,088	20.0
Western	7,747	54	336	1,773	3,044	2,468	27.9
North Central	5,298	44	172	1,323	2,353	1,401	29.0
Northwest	1,380	5	31	377	619	344	29.9

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

Notes: Included in the totals are 215 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 2002

County	Total Births	<1,500 Grams	1,500-2,499 Grams	2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight 2002	2001
Total	**68,510**	**863**	**3,686**	**63,949**	**4,549**	**6.6%**	**6.6%**
Adams	160	1	14	145	15	9.4	6.1
Ashland	211	1	10	199	11	5.5	7.4
Barron	514	7	31	476	38	7.4	5.1
Bayfield	151	3	7	141	10	6.6	2.2
Brown	3,282	34	156	3,091	190	5.8	5.2
Buffalo	160	1	8	151	9	5.6	6.3
Burnett	172	1	11	160	12	7.0	8.4
Calumet	566	2	25	539	27	4.8	5.2
Chippewa	695	12	34	649	46	6.6	5.4
Clark	526	5	24	497	29	5.5	4.8
Columbia	622	4	30	588	34	5.6	5.4
Crawford	185	1	9	175	10	5.4	9.0
Dane	5,561	48	313	5,200	361	6.5	6.4
Dodge	950	14	51	885	65	6.8	5.9
Door	226	3	16	207	19	8.4	8.0
Douglas	474	5	28	441	33	7.0	5.8
Dunn	464	4	25	435	29	6.3	6.5
Eau Claire	1,098	12	55	1,031	67	6.1	5.5
Florence	36	-	2	34	2	5.6	5.0
Fond du Lac	1,132	12	63	1,057	75	6.6	5.0
Forest	100	2	6	92	8	8.0	10.0
Grant	548	4	19	525	23	4.2	4.0
Green	377	2	17	358	19	5.0	6.3
Green Lake	222	3	6	213	9	4.1	3.0
Iowa	301	3	13	285	16	5.3	6.8
Iron	42	-	1	41	1	2.4	6.3
Jackson	226	7	14	205	21	9.3	6.3
Jefferson	960	12	42	906	54	5.6	5.4
Juneau	298	3	14	281	17	5.7	4.8
Kenosha	2,091	26	102	1,962	128	6.1	7.6
Kewaunee	235	3	11	221	14	6.0	4.5
La Crosse	1,253	10	68	1,174	78	6.2	6.2
Lafayette	194	2	6	186	8	4.1	4.5
Langlade	238	-	25	213	17	10.5	8.0
Lincoln	334	6	11	316	17	5.1	4.9
Manitowoc	846	8	34	804	42	5.0	5.9
Marathon	1,503	15	78	1,410	93	6.2	6.5
Marinette	395	3	21	371	24	6.1	4.4
Marquette	150	-	10	140	10	6.7	6.8
Menominee	85	1	4	80	5	5.9	4.3
Milwaukee	14,332	282	932	13,114	1,214	8.5	8.9
Monroe	559	6	27	526	33	5.9	6.9

Table 18. Births by Birthweight and County of Residence, Wisconsin 2002

County	Total Births	<1,500 Grams	1,500-2,499 Grams	2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight 2002	2001
Oconto	383	2	9	372	11	2.9	5.9
Oneida	327	7	19	301	26	8.0	5.8
Outagamie	2,337	35	131	2,171	166	7.1	6.7
Ozaukee	925	7	51	867	58	6.3	4.5
Pepin	84	1	5	78	6	7.1	1.1
Pierce	411	2	29	380	31	7.5	5.0
Polk	435	2	25	408	27	6.2	5.9
Portage	706	6	28	672	34	4.8	5.2
Price	137	3	6	128	9	6.6	2.9
Racine	2,540	39	153	2,347	192	7.6	7.6
Richland	207	3	5	199	8	3.9	6.9
Rock	1,966	31	110	1,825	141	7.2	7.5
Rusk	160	-	10	150	10	6.3	4.3
St. Croix	998	10	42	946	52	5.2	5.9
Sauk	722	9	48	665	57	7.9	6.0
Sawyer	171	1	8	162	9	5.3	6.0
Shawano	464	4	19	440	23	5.0	4.1
Sheboygan	1,380	8	58	1,313	66	4.8	4.8
Taylor	230	3	9	218	12	5.2	6.1
Trempealeau	284	3	5	276	8	2.8	5.5
Vernon	381	1	15	365	16	4.2	4.8
Vilas	189	1	11	177	12	6.3	7.7
Walworth	1,161	23	51	1,087	74	6.4	4.1
Washburn	159	-	5	154	5	3.1	5.8
Washington	1,517	12	80	1,425	92	6.1	5.8
Waukesha	4,268	43	201	4,024	244	5.7	5.8
Waupaca	598	7	26	565	33	5.5	6.3
Waushara	239	1	13	225	14	5.9	3.4
Winnebago	1,845	18	100	1,727	118	6.4	6.8
Wood	812	13	41	758	54	6.7	5.7

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

Notes: Included in the totals are 12 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 2002

	Total Births	<1,500 Grams	1,500-2,499 Grams	2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight 2002	Percent Low Birthweight 2001
Total	**68,510**	**863**	**3,686**	**63,949**	**4,549**	**6.6%**	**6.6%**
DHFS Regions							
Southern	12,091	125	649	11,317	774	6.4	6.3
Southeastern	27,794	444	1,612	25,732	2,056	7.4	7.6
Northeastern	14,385	144	702	13,536	846	5.9	5.6
Western	9,053	89	461	8,502	550	6.1	5.7
Northern	5,187	61	262	4,862	323	6.2	6.0
Perinatal Regions							
South Central	14,027	159	733	13,135	892	6.4	6.1
Southeast	27,053	417	1,577	25,052	1,994	7.4	7.7
Fox Valley	7,089	78	374	6,637	452	6.4	6.1
Northeast	5,916	58	270	5,586	328	5.5	5.3
Western	7,747	79	392	7,275	471	6.1	5.8
North Central	5,298	61	270	4,966	331	6.2	5.9
Northwest	1,380	11	70	1,298	81	5.9	6.0

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

Notes: Included in the totals are 12 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 2002

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	**379**	**324**		**147**		**471**
Adams	2	-		1		1
Ashland	2	-		1		1
Barron	3	1		1		2
Bayfield	-	-		2		2
Brown	16	12		5		17
Buffalo	-	-		-		-
Burnett	-	-		1		1
Calumet	2	2		1		3
Chippewa	1	5		1		6
Clark	3	2		4		6
Columbia	7	2		1		3
Crawford	1	-		-		-
Dane	38	24		11		35
Dodge	1	2		1		3
Door	1	2		1		3
Douglas	-	2		3		5
Dunn	1	1		1		2
Eau Claire	4	4		2		6
Florence	-	-		-		-
Fond du Lac	5	5		1		6
Forest	1	1		-		1
Grant	3	2		-		2
Green	-	-		1		1
Green Lake	1	1		1		2
Iowa	1	-		1		1
Iron	-	-		1		1
Jackson	2	1		1		2
Jefferson	6	4		1		5
Juneau	2	-		-		-
Kenosha	14	8		4		12
Kewaunee	1	1		-		1
La Crosse	9	4		1		5
Lafayette	-	3		-		3
Langlade	2	1		-		1
Lincoln	-	1		1		2
Manitowoc	5	2		1		3

(Continued)

Table 20. Fetal, Neonatal, Postneonatal and Infant Deaths by County of Residence, Wisconsin 2002

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	6	4		5		9
Marinette	4	2		-		2
Marquette	1	2		2		4
Menominee	2	2		1		3
Milwaukee	90	112		43		155
Monroe	6	2		3		5
Oconto	-	-		-		-
Oneida	2	3		-		3
Outagamie	21	13		2		15
Ozaukee	6	4		-		4
Pepin	-	-		-		-
Pierce	1	-		1		1
Polk	2	2		2		4
Portage	2	3		-		3
Price	1	1		-		1
Racine	11	21		7		28
Richland	2	2		-		2
Rock	12	9		4		13
Rusk	-	-		-		-
St. Croix	4	2		2		4
Sauk	6	3		1		4
Sawyer	2	-		1		1
Shawano	3	2		2		4
Sheboygan	9	8		1		9
Taylor	1	-		-		-
Trempealeau	-	1		-		1
Vernon	3	-		1		1
Vilas	-	1		3		4
Walworth	11	6		1		7
Washburn	-	1		1		2
Washington	7	5		-		5
Waukesha	12	9		5		14
Waupaca	5	3		1		4
Waushara	1	1		-		1
Winnebago	7	6		6		12
Wood	5	1		1		2
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 2002

	Fetal Deaths (Gestation ≥20 weeks)	Neonatal Deaths (Age <28 days)	+	Postneonatal Deaths (Age 28 days to 1 year)	=	Infant Deaths (Age < 1 year)
Total	**379**	**324**		**147**		**471**
DHFS Region						
Southern	75	47		21		68
Southeastern	157	169		61		230
Northeastern	84	64		25		89
Western	39	28		25		53
Northern	24	16		15		31
Perinatal Regions						
South Central	91	57		23		80
Southeast	149	167		60		227
Fox Valley	43	33		14		47
Northeast	32	23		10		33
Western	37	23		16		39
North Central	23	18		14		32
Northwest	4	3		10		13

Table 21b. Rates of Fetal, Neonatal, Postneonatal and Infant Deaths by Region, Wisconsin 2002

	Fetal Deaths (Gestation ≥20 weeks)	Neonatal Deaths (Age <28 days)	+	Postneonatal Deaths (Age 28 days to 1 year)	=	Infant Deaths (Age < 1 year)
Total	**5.5**	**4.7**		**2.1**		**6.9**
DHFS Region						
Southern	6.2	3.9		1.7		5.6
Southeastern	5.6	6.1		2.2		8.3
Northeastern	5.8	4.4		1.7		6.2
Western	4.3	3.1		2.8		5.9
Northern	4.6	-		-		6.0
Perinatal Regions						
South Central	6.4	4.1		1.6		5.7
Southeast	5.5	6.2		2.2		8.4
Fox Valley	6.0	4.7		-		6.6
Northeast	5.4	3.9		-		5.6
Western	4.8	3.0		-		5.0
North Central	4.3	-		-		6.0
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 2002

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	11	8		2		10
Beloit	7	7		-		7
Brookfield	1	-		-		-
Caledonia (T)	-	4		-		4
De Pere	1	1		-		1
Eau Claire	3	3		1		4
Fitchburg	-	1		1		2
Fond du Lac	2	4		1		5
Franklin	1	2		-		2
Green Bay	12	9		4		13
Greenfield	-	2		1		3
Janesville	5	1		2		3
Kenosha	12	4		2		6
La Crosse	6	2		-		2
Madison	15	13		5		18
Manitowoc	1	1		1		2
Menomonee Falls (V)	2	-		-		-
Mequon/Thiensville	-	2		-		2
Milwaukee	85	91		40		131
Mount Pleasant (T)	-	1		-		1
Muskego	-	-		1		1
Neenah/Menasha	3	2		1		3
New Berlin	1	1		-		1
Oak Creek	1	1		-		1
Oshkosh	3	3		3		6
Racine	10	11		6		17
Sheboygan	5	3		1		4
South Milwaukee	-	3		1		4
Stevens Point	1	1		-		1
Sun Prairie	5	-		4		4
Superior	-	2		3		5
Watertown	1	2		-		2
Waukesha	5	2		1		3
Wausau	3	-		3		3
Wauwatosa	-	4		-		4
West Allis	2	3		-		3
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 1980-2002

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 1980-2002

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 1980-2002

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 1980-2002

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 1980-2002

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

(Continued)

Table 23. Number of Births by County of Residence, Wisconsin 1980-2002

County	2000	2001	2002
Marathon	1,520	1,534	1,503
Marinette	457	386	395
Marquette	146	162	150
Menominee	93	93	85
Milwaukee	14,846	14,727	14,332
Monroe	602	593	559
Oconto	383	392	383
Oneida	316	278	327
Outagamie	2,289	2,244	2,337
Ozaukee	869	867	925
Pepin	79	88	84
Pierce	412	383	411
Polk	454	508	435
Portage	805	743	706
Price	125	139	137
Racine	2,650	2,581	2,540
Richland	201	204	207
Rock	2,075	2,028	1,966
Rusk	148	185	160
St. Croix	908	912	998
Sauk	755	701	722
Sawyer	182	182	171
Shawano	470	462	464
Sheboygan	1,437	1,339	1,380
Taylor	247	246	230
Trempealeau	322	330	284
Vernon	390	377	381
Vilas	155	194	189
Walworth	1,102	1,136	1,161
Washburn	163	156	159
Washington	1,490	1,484	1,517
Waukesha	4,357	4,421	4,268
Waupaca	567	602	598
Waushara	225	232	239
Winnebago	1,926	1,851	1,845
Wood	878	891	812
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 1980-2002

Year		Crude Rate	Age of Mother Total	<15	15-17	18-19	<20	20-24
1980	Number		74,763	93	2,741	6,379	9,213	25,321
	Rate	15.9	69.1		20.5	65.8	39.9	112.2
1981	Number		74,309	94	2,655	6,029	8,778	24,777
	Rate	15.7	68.1		21.0	64.6	39.9	108.2
1982	Number		74,327	91	2,452	5,659	8,202	24,477
	Rate	15.6	67.4		20.8	64.1	39.8	107.4
1983	Number		72,499	98	2,397	5,258	7,753	23,213
	Rate	15.3	65.3		21.0	60.4	38.6	103.2
1984	Number		73,050	98	2,305	4,973	7,376	22,544
	Rate	15.3	65.0		20.8	59.9	38.0	102.5
1985	Number		73,647	123	2,389	4,976	7,488	22,021
	Rate	15.4	64.2		21.7	62.4	39.4	101.9
1986	Number		72,229	121	2,340	4,679	7,140	20,342
	Rate	15.1	63.9		20.9	60.6	37.8	103.3
1987	Number		70,907	114	2,369	4,425	6,908	19,015
	Rate	14.7	63.7		21.6	58.0	37.1	103.9
1988	Number		70,711	133	2,322	4,486	6,941	18,018
	Rate	14.6	62.6		22.8	59.5	39.2	94.2
1989	Number		71,890	141	2,416	4,707	7,264	17,800
	Rate	14.8	63.8		25.4	62.5	42.6	96.8
1990	Number		72,636	148	2,337	4,925	7,410	17,477
	Rate	14.8	64.5		24.3	65.7	43.3	96.2
1991	Number		72,039	147	2,440	4,828	7,415	17,407
	Rate	14.6	63.4		24.9	71.1	44.7	94.9
1992	Number		70,662	159	2,427	4,622	7,208	16,597
	Rate	14.2	62.2		23.9	70.1	43.0	91.7
1993	Number		69,760	175	2,481	4,576	7,232	16,056
	Rate	13.8	61.4		23.8	67.7	42.0	90.9
1994	Number		68,267	161	2,497	4,379	7,037	15,331
	Rate	13.4	59.9		23.0	63.8	39.7	89.5
1995	Number		67,493	182	2,549	4,379	7,110	14,874
	Rate	13.2	58.9		22.5	62.7	38.8	88.7
1996	Number		67,076	143	2,507	4,453	7,103	14,331
	Rate	13.0	58.2		21.4	61.9	37.5	87.4
1997	Number		66,490	163	2,541	4,384	7,088	13,972
	Rate	12.7	57.6		21.1	58.5	36.3	84.8
1998	Number		67,379	111	2,366	4,570	7,047	14,632
	Rate	12.8	58.1		19.4	57.7	35.1	86.8
1999	Number		68,181	116	2,432	4,760	7,308	14,986
	Rate	12.9	58.8		20.2	57.4	36.0	86.9
2000	Number		69,289	99	2,225	4,753	7,077	15,606
	Rate	12.9	59.9		19.6	59.4	35.7	89.2
2001	Number		69,012	80	2,167	4,602	6,849	15,951
	Rate	12.7	59.0		18.8	56.9	34.2	90.2
2002	Number		68,510	108	1,898	4,528	6,534	15,688
	Rate	12.6	58.7		17.0	55.5	32.7	80.7

(Continued)

Table 24. Number and Rate of Births by Age of Mother, Wisconsin 1980-2002

Year		Age of Mother						
		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		
2002	Number	19,462	17,527	7,746	1,544	1,478	66	9
	Rate	121.8	97.3	37.6	6.8	6.5		

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.
Notes: Rates shown for ages 15-17 include births to mothers less than 15 years old, with population ages 15-17.
Rates shown for ages <20 include births to mothers less than 15 years old, with population ages 15-19.
Rates shown for ages 40+ include births to mothers ages 45 or older, with population ages 40-44.

Table 25. Total Births and Births to Teenagers and Unmarried Mothers, Wisconsin 1980-2002

	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
2002	68,510	12.6	2,006	2.9	4,528	6.6	20,707	30.2

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 1980-2002

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

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 1980-2002

	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	6.8	323	4.7	4.5	375	5.4	n/a	698	10.1	n/a
2002	471	6.9	n/a	324	4.7	n/a	379	5.5	n/a	703	10.2	n/a

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.

Table A1. Number of Births by Age of Mother and Selected Characteristics, Wisconsin 2002

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	**68,510**	**108**	**1,898**	**4,528**	**15,688**	**19,462**	**17,527**	**7,746**	**1,478**	**66**
Education										
Elem. or Less	2,514	90	201	155	663	608	421	277	92	7
Some H.S.	8,448	16	1,547	1,772	2,932	1,362	551	217	49	2
H.S. Grad	20,234	-	129	2,292	7,225	5,246	3,392	1,620	317	13
Some College	16,454	-	-	282	3,804	5,685	4,452	1,901	321	9
College Grad	12,059	-	-	1	771	4,075	4,804	2,019	370	18
Post-Grad	8,561	1	7	-	235	2,442	3,855	1,687	318	16
Unknown	240	1	14	26	58	44	52	25	11	1
Marital Status										
Married	47,794	-	178	870	7,214	15,589	15,712	6,887	1,284	60
Unmarried	20,707	108	1,720	3,658	8,474	3,873	1,815	859	194	6
Unknown	9	-	-	-	-	-	-	-	-	-
Trimester Prenatal Care Began										
First	57,686	49	1,157	3,187	12,319	17,042	15,837	6,824	1,221	50
Second	8,544	41	576	1,081	2,647	1,954	1,352	706	174	11
Third	1,677	13	138	192	556	343	231	142	56	5
None	479	5	22	59	134	92	87	55	21	-
Unknown	124	-	5	9	32	31	20	19	6	-
Number of Prenatal Care Visits										
No Visits	479	5	22	59	134	92	87	55	21	-
1-4	1,729	12	120	197	574	350	269	147	55	4
5-9	12,760	38	586	1,215	3,484	3,253	2,610	1,276	280	16
10-12	30,610	38	782	1,935	6,839	8,855	8,130	3,435	577	19
13+	22,717	15	382	1,105	4,611	6,846	6,392	2,807	533	26
Unknown	215	-	6	17	46	66	39	26	12	1
Smoked During Pregnancy										
No	58,317	94	1,536	3,303	12,003	16,983	16,018	6,981	1,342	56
Yes	10,139	14	361	1,222	3,676	2,468	1,494	758	133	10
Unknown	54	-	1	3	9	11	15	7	3	-
Live Birth Order										
1	26,980	108	1,723	3,425	7,550	7,562	4,820	1,509	267	10
2	22,869	-	167	936	5,294	6,900	6,716	2,484	357	15
3	11,075	-	7	150	2,008	3,105	3,643	1,865	285	11
4	4,322	-	1	14	618	1,174	1,349	940	215	9
5+	3,256	-	-	3	216	720	994	948	354	21
Unknown	8	-	-	-	2	1	5	-	-	-
Plurality										
Single Birth	66,427	108	1,861	4,466	15,350	18,868	16,896	7,387	1,424	60
Multiple Birth	2,083	-	37	62	338	594	631	359	54	6
Prematurity										
Full-Term (37+ Weeks)	61,205	89	1,589	3,958	13,999	17,573	15,781	6,878	1,278	53
Premature (<37 Weeks)	7,297	19	309	570	1,689	1,886	1,743	866	200	13
Unknown	8	-	-	-	-	3	3	2	-	-
Attendant at Birth										
Physician, M.D.	60,910	89	1,608	3,890	13,588	17,391	15,940	7,038	1,305	58
Physician, D.O.	2,654	4	73	194	652	781	644	255	49	2
Cert. Nurse Midwife	3,867	15	212	414	1,218	992	697	271	45	2
Other Midwife	628	-	-	10	128	177	144	113	54	2
Other	449	-	5	20	102	121	101	68	25	2
Unknown	2	-	-	-	-	-	1	1	-	-

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.
Notes: Included in the totals are 9 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 2002

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**
Education										
Elem. or Less	3.7	83.3	10.6	3.4	4.2	3.1	2.4	3.6	6.2	10.6
Some H.S.	12.3	14.8	81.5	39.1	18.7	7.0	3.1	2.8	3.3	3.0
H.S. Grad	29.5	-	6.8	50.6	46.1	27.0	19.4	20.9	21.4	19.7
Some College	24.0	-	-	6.2	24.2	29.2	25.4	24.5	21.7	13.6
College Grad	17.6	-	-	0.0	4.9	20.9	27.4	26.1	25.0	27.3
Post-Grad	12.5	0.9	0.4	-	1.5	12.5	22.0	21.8	21.5	24.2
Unknown	0.4	0.9	0.7	0.6	0.4	0.2	0.3	0.3	0.7	1.5
Marital Status										
Married	69.8	-	9.4	19.2	46.0	80.1	89.6	88.9	86.9	90.9
Unmarried	30.2	100.0	90.6	80.8	54.0	19.9	10.4	11.1	13.1	9.1
Unknown	0.0	-	-	-	0.0	-	-	-	-	-
Trimester Prenatal Care Began										
First	84.2	45.4	61.0	70.4	78.5	87.6	90.4	88.1	82.6	75.8
Second	12.5	38.0	30.3	23.9	16.9	10.0	7.7	9.1	11.8	16.7
Third	2.4	12.0	7.3	4.2	3.5	1.8	1.3	1.8	3.8	7.6
None	0.7	4.6	1.2	1.3	0.9	0.5	0.5	0.7	1.4	-
Unknown	0.2	-	0.3	0.2	0.2	0.2	0.1	0.2	0.4	-
Number of Prenatal Care Visits										
No Visits	0.7	4.6	1.2	1.3	0.9	0.5	0.5	0.7	1.4	-
1-4	2.5	11.1	6.3	4.4	3.7	1.8	1.5	1.9	3.7	6.1
5-9	18.6	35.2	30.9	26.8	22.2	16.7	14.9	16.5	18.9	24.2
10-12	44.7	35.2	41.2	42.7	43.6	45.5	46.4	44.3	39.0	28.8
13+	33.2	13.9	20.1	24.4	29.4	35.2	36.5	36.2	36.1	39.4
Unknown	0.3	-	0.3	0.4	0.3	0.3	0.2	0.3	0.8	1.5
Smoked During Pregnancy										
No	85.1	87.0	80.9	72.9	76.5	87.3	91.4	90.1	90.8	84.8
Yes	14.8	13.0	19.0	27.0	23.4	12.7	8.5	9.8	9.0	15.2
Unknown	0.1	-	0.1	0.1	0.1	0.1	0.1	0.1	0.2	-
Live Birth Order										
1	39.4	100.0	90.8	75.6	48.1	38.9	27.5	19.5	18.1	15.2
2	33.4	-	8.8	20.7	33.7	35.5	38.3	32.1	24.2	22.7
3	16.2	-	0.4	3.3	12.8	16.0	20.8	24.1	19.3	16.7
4	6.3	-	0.1	0.3	3.9	6.0	7.7	12.1	14.5	13.6
5+	4.8	-	-	0.1	1.4	3.7	5.7	12.2	24.0	31.8
Unknown	0.0	-	-	-	0.0	0.0	0.0	-	-	-
Plurality										
Single Birth	97.0	100.0	98.1	98.6	97.8	96.9	96.4	95.4	96.3	90.9
Multiple Birth	3.0	-	1.9	1.4	2.2	3.1	3.6	4.6	3.7	9.1
Prematurity										
Full Term (37+ Weeks)	89.3	82.4	83.7	87.4	89.2	90.3	90.0	88.8	86.5	80.3
Premature (<37 Weeks)	10.7	17.6	16.3	12.6	10.8	9.7	9.9	11.2	13.5	19.7
Unknown	0.0	-	-	-	-	0.0	0.0	0.0	0.0	-
Attendant at Birth										
Physician, M.D.	88.9	82.4	84.7	85.9	86.6	89.4	91.0	90.9	88.3	87.9
Physician, D.O.	3.9	3.7	3.8	4.3	4.2	4.0	3.7	3.3	3.3	3.0
Cert. Nurse Midwife	5.6	13.9	11.2	9.1	7.8	5.1	4.0	3.5	3.0	3.0
Other Midwife	0.9	-	-	0.2	0.8	0.9	0.8	1.5	3.7	3.0
Other	0.7	-	0.3	0.4	0.7	0.6	0.6	0.9	1.7	3.0

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.
Notes: Included in the totals are 9 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 2002

	Total	White	Black/Afr. American	American Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	**68,510**	**53,798**	**6,338**	**974**	**5,274**	**977**	**1,125**
Age of Mother							
<15	108	26	54	3	20	5	-
15-17	1,898	827	588	74	302	91	16
18-19	4,528	2,656	958	112	610	148	44
20-24	15,688	10,856	2,240	353	1,760	310	164
25-29	19,462	15,977	1,342	228	1,389	182	338
30-34	17,527	15,354	748	126	782	134	379
35-39	7,746	6,780	339	64	331	76	154
40-44	1,478	1,264	65	14	79	27	29
45+	66	57	3	-	1	4	1
Unknown	9	1	1	-	-	-	-
Education of Mother							
Elem. or Less	2,514	925	175	23	1,213	160	18
Some H.S.	8,448	3,977	2,303	275	1,603	206	84
H.S. Grad	20,234	15,603	2,172	383	1,506	369	196
Some College	16,454	14,166	1,212	197	544	142	191
College Grad	12,059	11,189	262	48	197	47	314
Post-Grad	8,561	7,833	172	46	178	18	312
Unknown	240	105	42	2	33	35	10
Marital Status							
Married	47,794	41,692	1,122	336	2,832	804	997
Unmarried	20,707	12,105	5,215	638	2,442	173	128
Unknown	9	1	1	-	-	-	-
Trimester Prenatal Care Began							
First	57,686	47,377	4,516	689	3,650	513	932
Second	8,544	5,127	1,348	223	1,280	405	156
Third	1,677	933	329	50	285	49	29
None	479	265	132	10	50	10	6
Unknown	124	96	13	2	9	-	2
Number of Prenatal Care Visits							
No Visits	479	265	132	10	50	10	6
1-4	1,729	996	365	51	219	69	28
5-9	12,760	8,663	1,682	283	1,471	419	234
10-12	30,610	24,404	2,581	396	2,313	371	542
13+	22,717	19,304	1,552	233	1,206	106	312
Unknown	215	166	26	1	15	2	3
Smoked During Pregnancy							
No	58,317	45,484	5,195	610	4,979	944	1,091
Yes	10,139	8,269	1,143	364	293	33	34
Unknown	54	45	-	-	2	-	-
Live Birth Order							
1	26,980	21,615	2,142	344	2,040	277	550
2	22,869	18,591	1,769	302	1,612	210	381
3	11,075	8,562	1,129	170	950	127	133
4	4,322	3,079	604	98	409	97	34
5+	3,256	1,948	693	60	262	266	26
Unknown	8	3	1	-	1	-	1

(Continued)

Table B1. Number of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2002

	Total	White	Black/Afr. American	American Indian	Hispanic/ Latino	Laotian/ Hmong	Other
Total	**68,510**	**53,798**	**6,338**	**974**	**5,274**	**977**	**1,125**
Prematurity							
Full Term (37+ Weeks)	61,205	48,446	5,269	870	4,751	839	1,013
Premature (<37 Weeks)	7,297	5,346	1,069	104	523	138	112
Unknown	8	6	-	-	-	-	-
Computed Estimate of Gestational Age (Weeks)							
<37	6,928	5,092	997	98	495	133	109
37-39	31,049	24,919	2,578	390	2,253	347	557
40	13,672	11,029	1,055	183	1,014	171	218
41	7,558	5,957	620	138	607	115	118
42+	6,550	4,805	720	115	673	146	89
Unknown	2,753	1,996	368	50	232	65	34

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

Notes: Included in the totals are 24 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 2002

	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	0.2	0.0	0.9	0.3	0.4	0.5	-
15-17	2.8	1.5	9.3	7.6	5.7	9.3	1.4
18-19	6.6	4.9	15.1	11.5	11.6	15.1	3.9
20-24	22.9	20.2	35.3	36.2	33.4	31.7	14.6
25-29	28.4	29.7	21.2	23.4	26.3	18.6	30.0
30-34	25.6	28.5	11.8	12.9	14.8	13.7	33.7
35-39	11.3	12.6	5.3	6.6	6.3	7.8	13.7
40-44	2.2	2.3	1.0	1.4	1.5	2.8	2.6
45+	0.1	0.1	0.0	-	0.0	0.4	0.1
Unknown	0.0	0.0	0.0	-	-	-	-
Education of Mother							
Elem. or Less	3.7	1.7	2.8	2.4	23.0	16.4	1.6
Some H.S.	12.3	7.4	36.3	28.2	30.4	21.1	7.5
H.S. Grad	29.5	29.0	34.3	39.3	28.6	37.8	17.4
Some College	24.0	26.3	19.1	20.2	10.3	14.5	17.0
College Grad	17.6	20.8	4.1	4.9	3.7	4.8	27.9
Post-Grad	12.5	14.6	2.7	4.7	3.4	1.8	27.7
Unknown	0.4	0.2	0.7	0.2	0.6	3.6	0.9
Marital Status							
Married	69.8	77.5	17.7	34.5	53.7	82.3	88.6
Unmarried	30.2	22.5	82.3	65.5	46.3	17.7	11.4
Unknown	0.0	0.0	0.0	-	-	-	-
Trimester Prenatal Care Began							
First	84.2	88.1	71.3	70.7	69.2	52.5	82.8
Second	12.5	9.5	21.3	22.9	24.3	41.5	13.9
Third	2.4	1.7	5.2	5.1	5.4	5.0	2.6
None	0.7	0.5	2.1	1.0	0.9	1.0	0.5
Unknown	0.2	0.2	0.2	0.2	0.2	-	0.2
Number of Prenatal Care Visits							
No Visits	0.7	0.5	2.1	1.0	0.9	1.0	0.5
1-4	2.5	1.9	5.8	5.2	4.2	7.1	2.5
5-9	18.6	16.1	26.5	29.1	27.9	42.9	20.8
10-12	44.7	45.4	40.7	40.7	43.9	38.0	48.2
13+	33.2	35.9	24.5	23.9	22.9	10.8	27.7
Unknown	0.3	0.3	0.4	0.1	0.3	0.2	0.3
Smoked During Pregnancy							
No	85.1	84.5	82.0	63.0	94.0	96.6	97.0
Yes	14.8	15.4	18.0	37.4	5.6	3.4	3.0
Unknown	0.1	0.1	-	-	0.0	-	-
Live Birth Order							
1	39.4	40.2	33.8	35.3	38.7	28.4	48.9
2	33.4	34.6	27.9	31.0	30.6	21.5	33.9
3	16.2	15.9	17.8	17.5	18.0	13.0	11.8
4	6.3	5.7	9.5	10.1	7.8	9.9	3.0
5+	4.8	3.6	10.9	6.2	5.0	27.2	2.3
Unknown	0.0	0.0	0.0	-	0.0	-	0.1

(Continued)

Table B2. Percent of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 2002

	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)	89.3	90.1	83.1	89.3	90.1	85.9	90.0
Premature (<37 Weeks)	10.7	9.9	16.9	10.7	9.9	14.1	10.0
Unknown	0.0	0.0	-	-	-	-	-
Computed Estimate of Gestational Age (Weeks)							
<37	10.1	9.5	15.7	10.1	9.4	13.6	9.7
37-39	45.3	46.3	40.7	40.0	42.7	35.5	49.5
40	20.0	20.5	16.6	18.8	19.2	17.5	19.4
41	11.0	11.1	9.8	14.2	11.5	11.8	10.5
42+	9.6	8.9	11.4	11.8	12.8	14.9	7.9
Unknown	4.0	3.7	5.8	5.1	4.4	6.7	3.0

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

Notes: Included in the totals are 24 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 2002

	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	**68,510**	**863**	**1.3**	**3,686**	**5.4**	**63,949**	**93.3**	**4,549**	**6.6**
Plurality									
Single Birth	66,427	636	1.0	2,808	4.2	62,971	94.8	3,444	5.2
Multiple Birth	2,083	227	10.9	878	42.2	978	47.0	1,105	53.0
Prematurity									
Full Term (37+ Weeks)	61,205	21	0.0	1,487	2.4	59,689	97.5	1,508	2.5
Premature (<37 Weeks)	7,297	841	11.5	2,198	30.1	4,256	58.3	3,039	41.6
Unknown	8	1	12.5	1	12.5	4	50.0	2	25.0
Age of Mother									
<15	108	3	2.8	5	4.6	100	92.6	8	7.4
15-17	1,898	44	2.3	158	8.3	1,696	89.4	202	10.6
18-19	4,528	66	1.5	332	7.3	4,130	91.2	398	8.8
20-24	15,688	195	1.2	926	5.9	14,563	92.8	1,121	7.1
25-29	19,462	237	1.2	920	4.7	18,302	94.0	1,157	5.9
30-34	17,527	189	1.1	830	4.7	16,505	94.2	1,019	5.8
35-39	7,746	103	1.3	420	5.4	7,222	93.2	523	6.8
40-44	1,478	23	1.6	86	5.8	1,369	92.6	109	7.4
45+	66	1	1.5	9	13.6	56	84.8	10	15.2
Unknown	9	2	22.2	-	-	6	-	2	22.2
Race/Ethnicity of Mother									
White	53,798	557	1.0	2,617	4.9	50,617	94.1	3,174	5.9
Black/Afr. American	6,338	207	3.3	643	10.1	5,487	86.6	850	13.4
American Indian	974	8	0.8	50	5.1	916	94.0	58	6.0
Hispanic/Latino	5,274	63	1.2	242	4.6	4,968	94.2	305	5.8
Laotian/Hmong	977	12	1.2	66	6.8	899	92.0	78	8.0
Other	1,125	13	1.2	68	6.0	1,044	92.8	81	7.2
Unknown	24	3	12.5	-	-	18	75.0	3	12.5
Education of Mother									
Elem. or Less	2,514	27	1.1	118	4.7	2,369	94.2	145	5.8
Some H.S.	8,448	165	2.0	686	8.1	7,596	89.9	851	10.1
H.S. Grad	20,234	257	1.3	1,172	5.8	18,801	92.9	1,429	7.1
Some College	16,454	203	1.2	805	4.9	15,443	93.9	1,008	6.1
College Grad	12,059	109	0.9	528	4.4	11,421	94.7	637	5.3
Post-Grad	8,561	85	1.0	358	4.2	8,118	94.8	443	5.2
Unknown	240	17	7.1	19	7.9	201	83.8	36	15.0
Marital Status									
Married	47,794	462	1.0	2,151	4.5	45,177	94.5	2,613	5.5
Unmarried	20,707	399	1.9	1,535	7.4	18,766	90.6	1,934	9.3
Unknown	9	2	22.2	-	-	6	66.7	-	-

(Continued)

Table C1. Number and Percent of Births by Birthweight and Selected Characteristics, Wisconsin 2002

	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	57,686	711	1.2	2,963	5.1	54,004	93.6	3,674	6.4
Second	8,544	89	1.0	533	6.2	7,922	92.7	622	7.3
Third	1,677	8	0.5	104	6.2	1,564	93.3	112	6.7
None	479	49	10.2	70	14.6	358	74.7	119	24.8
Unknown	124	6	4.8	16	12.9	101	81.5	22	17.7
Number of Prenatal Care Visits									
No Visits	479	49	10.2	70	14.6	358	74.7	119	24.8
1-4	1,729	133	7.7	177	10.2	1,418	82.0	310	17.9
5-9	12,760	346	2.7	1,107	8.7	11,305	88.6	1,453	11.4
10-12	30,610	169	0.6	1,267	4.1	29,169	95.3	1,436	4.7
13+	22,717	157	0.7	1,036	4.6	21,523	94.7	1,193	5.3
Unknown	215	9	4.2	29	13.5	176	81.9	38	17.7
Smoked During Pregnancy									
No	58,317	684	1.2	2,760	4.7	54,868	94.1	3,444	5.9
Yes	10,139	177	1.7	916	9.0	9,042	89.2	1,093	10.8
Unknown	54	2	3.7	10	18.5	39	72.2	12	22.2
Type of Delivery									
Vaginal After Previous C-Section	1,198	20	1.7	50	4.2	1,128	94.2	70	5.8
Forceps	1,086	6	0.6	46	4.2	1,034	95.2	52	4.8
Other Vaginal	52,114	404	0.8	2,312	4.4	49,388	94.8	2,716	5.2
Primary C-Section	8,756	368	4.2	993	11.3	7,393	84.4	1,361	15.5
Repeat C-Section	5,356	65	1.2	285	5.3	5,006	93.5	350	6.5
Live Birth Order									
1	26,980	409	1.5	1,604	5.9	24,963	92.5	2,013	7.5
2	22,869	233	1.0	1,026	4.5	21,606	94.5	1,259	5.5
3	11,075	102	0.9	559	5.0	10,413	94.0	661	6.0
4	4,322	61	1.4	244	5.6	4,017	92.9	305	7.1
5+	3,256	57	1.8	251	7.7	2,947	90.5	308	9.5
Unknown	8	1	12.5	2	25.0	3	37.5	3	37.5
Congenital Anomalies									
No	67,631	824	1.2	3,579	5.3	63,218	93.5	4,403	6.5
Yes	879	39	4.4	107	12.2	731	83.2	146	16.6

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

Notes: Included in the totals are 12 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 2002

		Estimated Gestational Age (in Weeks)									
Birthweight	**Total**	**17-19**	**20-27**	**28-31**	**32-35**	**36**	**37-39**	**40**	**41**	**42+**	**Unk.**
					Number						
Total	**68,510**	**21**	**459**	**730**	**3,147**	**2,571**	**31,049**	**13,672**	**7,558**	**6,550**	**2,753**
<500 Grams	116	15	71	7	-	-	-	-	-	-	23
500-999 Grams	340	4	217	72	13	2	1	1	-	1	29
1,000-1,499 Gms	407	1	61	190	93	14	12	1	1	2	32
1,500-1,999 Gms	894	-	17	172	431	75	109	13	9	14	54
2,000-2,499 Gms	2,792	-	17	68	900	389	960	133	69	111	145
2,500-2,999 Gms	10,030	1	24	67	819	915	5,199	1,138	610	767	490
3,000-3,499 Gms	24,885	-	28	85	571	787	12,641	4,892	2,517	2,412	952
3,500-3,999 Gms	21,224	-	18	54	245	295	9,299	5,313	2,968	2,302	730
4,000-4,499 Gms	6,599	-	6	11	65	80	2,440	1,857	1,130	767	243
4,500+ Grams	1,211	-	-	4	10	13	384	324	253	174	49
Unknown	12	-	-	-	-	1	4	-	1	-	6
					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	71.4	15.5	1.0	-	-	-	-	-	-	0.8
500-999 Grams	0.5	19.0	47.3	9.9	0.4	0.1	0.0	0.0	-	0.0	1.1
1,000-1,499 Gms	0.6	4.8	13.3	26.0	3.0	0.5	0.0	0.0	0.0	0.0	1.2
1,500-1,999 Gms	1.3	-	3.7	23.6	13.7	2.9	0.4	0.1	0.1	0.2	2.0
2,000-2,499 Gms	4.1	-	3.7	9.3	28.6	15.1	3.1	1.0	0.9	1.7	5.3
2,500-2,999 Gms	14.6	4.8	5.2	9.2	26.0	35.6	16.7	8.3	8.1	11.7	17.8
3,000-3,499 Gms	36.3	-	6.1	11.6	18.1	30.6	40.7	35.8	33.3	36.8	34.6
3,500-3,999 Gms	31.0	-	3.9	7.4	7.8	11.5	29.9	38.9	39.3	35.1	26.5
4,000-4,499 Gms	9.6	-	1.3	1.5	2.1	3.1	7.9	13.6	15.0	11.7	8.8
4,500+ Grams	1.8	-	-	0.5	0.3	0.5	1.2	2.4	3.3	2.7	1.8
Unknown	0.0	-	-	-	-	0.0	0.0	-	0.0	-	0.2

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 2002

Birthweight	Total	White	Black/Afr. American	American Indian	Hispanic/ Latino	Laotian/ Hmong	Other
				Number			
Total	**68,510**	**53,798**	**6,338**	**974**	**5,274**	**977**	**1,125**
<500 Grams	116	56	43	2	13	-	2
500-999 Grams	340	215	87	2	26	4	4
1,000-1,499 Gms	407	286	77	4	24	8	7
1,500-1,999 Gms	894	643	159	10	58	9	15
2,000-2,499 Gms	2,792	1,974	484	40	184	57	53
2,500-2,999 Gms	10,030	7,098	1,512	135	813	240	227
3,000-3,499 Gms	24,885	19,194	2,431	298	2,044	405	509
3,500-3,999 Gms	21,224	17,529	1,250	343	1,628	213	254
4,000-4,499 Gms	6,599	5,753	252	115	396	35	46
4,500+ Grams	1,211	1,043	42	25	87	6	8
Unknown	12	7	1	-	1	-	-
				Percent			
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
<500 Grams	0.2	0.1	0.7	0.2	0.2	-	0.2
500-999 Grams	0.5	0.4	1.4	0.2	0.5	0.4	0.4
1,000-1,499 Gms	0.6	0.5	1.2	0.4	0.5	0.8	0.6
1,500-1,999 Gms	1.3	1.2	2.5	1.0	1.1	0.9	1.3
2,000-2,499 Gms	4.1	3.7	7.6	4.1	3.5	5.8	4.7
2,500-2,999 Gms	14.6	13.2	23.9	13.9	15.4	24.6	20.2
3,000-3,499 Gms	36.3	35.7	38.4	30.6	38.8	41.5	45.2
3,500-3,999 Gms	31.0	32.6	19.7	35.2	30.9	21.8	22.6
4,000-4,499 Gms	9.6	10.7	4.0	11.8	7.5	3.6	4.1
4,500+ Grams	1.8	1.9	0.7	2.6	1.6	0.6	0.7
Unknown	0.0	0.0	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 24 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 2002

	Fetal Deaths (Gestation ≥20 weeks)		Neonatal Deaths (Age <28 days)		Infant Deaths (Age <1 year)	
	Number	Rate	Number	Rate	Number	Rate
Total	**379**	**5.5**	**324**	**4.7**	**471**	**6.9**
Sex of Infant						
Male	194	5.8	174	5.2	249	7.4
Female	182	5.2	149	4.3	221	6.3
Unknown	3	-	1	-	1	-
Birthweight						
1,499 Grams or Less	200	188.1	217	251.4	241	279.3
1,500-2,499 Grams	75	19.9	50	13.6	71	19.3
2,500+ Grams	95	1.5	55	0.9	156	2.4
Unknown	9	-	2	-	3	-
White Non-Hispanic	267	4.9	200	3.7	297	4.5
1,499 Grams or Less	139	199.7	122	219.0	137	246.0
1,500-2,499 Grams	51	19.1	32	12.2	48	18.3
2,500+ Grams	71	1.4	44	0.9	109	2.2
Unknown	6	-	2	-	3	-
Black Non-Hispanic	58	9.1	82	12.9	116	18.3
1,499 Grams or Less	37	151.6	67	323.7	74	357.5
1,500-2,499 Grams	10	-	8	-	12	-
2,500+ Grams	9	-	7	-	30	5.5
Unknown	2	-	-	-	-	-
Computed Estimate of Gestational Age (Weeks)						
Less than 37	276	38.3	114	16.5	136	19.6
37-39	71	2.3	27	0.9	65	2.1
40-41	31	1.5	6	-	26	1.2
42+	1	-	5	-	11	-
Unknown	-	-	172	62.5	233	35.6
Marital Status						
Married	220	4.6	182	3.8	241	5.0
Unmarried	159	7.6	142	6.9	230	11.1
Unknown	-	-	-	-	-	-
Education of Mother						
Elementary or Less	17	-	14	-	23	9.1
Some High School	68	8.0	52	6.2	86	10.2
High School Graduate	118	5.8	101	5.0	162	8.0
Some College	76	4.6	65	4.0	92	5.6
College Graduate	44	3.6	39	3.2	46	3.8
Post Graduate	24	2.8	32	3.7	39	4.6
Unknown	32	117.6	21	87.5	23	95.8

(Continued)

Table D. Fetal, Neonatal, and Infant Deaths by Selected Characteristics, Wisconsin 2002

	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	4	-	1	-	1	-
15-17	19	-	22	11.6	30	15.8
18-19	25	5.5	35	7.7	49	10.8
20-24	96	6.1	74	4.7	124	7.9
25-29	99	5.1	78	4.0	118	6.1
30-34	81	4.6	66	3.8	89	5.1
35-39	38	4.9	40	5.2	48	6.2
40+	16	-	8	-	11	-
Unknown	1	-	-	-	1	-
Race of Mother						
White	267	4.9	200	3.7	297	5.5
Black/African American	58	9.1	82	12.9	116	18.3
American Indian	8	-	7	-	12	-
Hispanic/Latino	33	6.2	27	5.1	35	6.6
Laotian/Hmong	3	-	3	-	5	-
Other	4	-	4	-	5	-
Unknown	6	-	1	-	1	-
Trimester Prenatal Care Began						
First	273	4.7	263	4.6	372	6.4
Second	58	6.7	29	3.4	53	6.2
Third	9	-	2	-	11	-
None	22	43.9	25	52.2	29	60.5
Unknown	17	-	5	40.3	6	-
Number of Prenatal Care Visits						
No Visits	23	45.8	25	52.2	29	60.5
1-4 Visits	79	43.7	64	37.0	82	47.4
5-9 Visits	139	10.8	113	8.9	159	12.5
10-12 Visits	72	2.3	59	1.9	110	3.6
13+ Visits	49	2.2	57	2.5	83	3.7
Unknown	17	-	6	-	8	-
Plurality						
Single Birth	355	5.3	270	4.1	412	6.2
Multiple Birth	23	10.9	54	25.9	59	28.3
Unknown	1	-	-	-	-	-
Smoked During Pregnancy						
No	287	4.9	265	4.5	364	6.2
Yes	85	8.3	59	5.8	107	10.6
Unknown	7	-	-	-	-	-

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, 2002

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, 2002

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

Note: See Technical Notes (page 106) for explanation of Perinatal Regions.

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 K.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)
30b. WI. LICENSE NO.
31. NAME AND MAILING ADDRESS OF FACILITY (Street and number, City, State, Zip)

Signature

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	27. PREVIOUS DELIVERIES (Exclude this Delivery.) LIVE BIRTHS Now Living	Now Dead	OTHER TERMINATIONS (Spontaneous or induced) (Less than 20 wks)	(20 wks. or more)
Husband	a.	a. No	a.		b.	a. ___ Number NONE	b. ___ Number NONE	d. ___ Number NONE	e. ___ Number NONE
Mother	b.	b.	b.		d.				

28. MONTH OF PREGNANCY PRENATAL CARE BEGAN (Month 1-9: Not applicable) | 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 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:

Fetal or Maternal Cause (State Which)

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 Hamilton BE, Martin JA, Sutton PD. Births: Preliminary data for 2002. *National Vital Statistics Reports*, Vol. 51, No. 11, Hyattsville, Maryland: National Center for Health Statistics, 2003. National infant mortality data are drawn from Arias E, Smith BL. Deaths: Preliminary Data for 2001, *National Vital Statistics Reports;* Vol. 51, No. 5. Hyattsville, Maryland: National Center for Health Statistics, 2003.

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

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

Birth Certificate Checklists. Beginning in 1989, data on maternal health, pregnancy, delivery, and some dimensions of birth outcomes were collected in the following birth certificate checklists: "Medical history for this pregnancy," "Obstetric procedures," "Events of labor and/or delivery," "Method of delivery," "Abnormal conditions of the newborn," and "Congenital anomalies of child" (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 2002, rather than the mortality experience of the 2002 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 2002 (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 five deaths in 2002 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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