

Addendum to the 2009 User Guide for the Natality Public Use File

Introduction

This document serves as an addendum to the User Guide to the 2009 Natality Public Use File and presents general background information, data quality issues, and documentation tables for new data items exclusive to the 2003 U.S. Standard Certificate of Live Birth that have not been previously released. These items are: educational attainment of father, birth interval, receipt of WIC, time of birth, source of payment, mother's body mass index (BMI), mother's height, mother's pre-pregnancy weight, mother's weight at delivery, cigarette smoking before and during pregnancy, infertility treatment, maternal infections, maternal morbidity, 10-minute Apgar score, and infant breastfed. For more detailed information on definitions, instructions for calculation, editing and computation for these new data items, please see the User Guide to the 2011 Natality Public Use File available at: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/DVS/natality/UserGuide2011.pdf.

Demographic characteristics

Educational attainment

Father--Information on educational attainment of the father is available for the revised reporting area, representing 66.0 percent of all U.S. births in 2009. See the 2011 User Guide for a detailed definition of Father's education and instructions for data collection, editing and computation. Information on education of father is often missing on birth certificates of children born to unmarried mothers, greatly inflating the number in the "Not stated" category. While the overall percentage of "not stated" records was 15.6 percent for the reporting area (**Table I**), one state, South Carolina, had more than 30 percent of records with missing data for this item.

Birth interval

Information on birth interval is available for the revised reporting area, representing 66.0 percent of all U.S. births in 2009. See the 2011 User Guide for a detailed definition of birth interval and instructions for data collection, editing and computation. The percent of records for which birth interval is not stated is shown in **Table I**. See **Documentation Table 9** for 2009 data.

Medical and Public Services Utilization

Did mother get WIC food for herself during this pregnancy?

Information on receipt of WIC food for the mother during this pregnancy is available for the revised reporting area, representing 66.0 percent of all U.S. births in 2009. See the 2011 User Guide for a detailed definition of the WIC program and instructions for data collection, editing and computation. See **Documentation Table 10** for 2009 data. The percent of records for which WIC receipt is not stated is shown in **Table I**.

Time of birth

Information on time of birth is available for the revised reporting area, representing 66.0 percent of all U.S. births in 2009. See the 2011 User Guide for a detailed definition of time of birth and instructions for data collection, editing and computation. A recode of these data grouped into 6-hour time intervals is shown in **Documentation Table 11**. The percent of records for which time of birth is not stated is shown in **Table I**.

Source of payment for the delivery

Information on the principal source of payment for the delivery is available for the revised reporting area, representing 66.0 percent of all U.S. births in 2009. Data for the following categories are available for all revised reporting areas (see **Figure 1** of the 2011 User Guide):

- Private insurance
- Medicaid
- Self-pay
- Other (Specify)

In addition, more detailed information for the “other” category is available for 21 states, representing 43.9 percent of all U.S. births in 2009. For these states, the “other” category is further delineated into the following groups:

- Indian Health Service
- CHAMPUS/TRICARE

- Other government
- Other

See the 2011 User Guide for a detailed definition of source of payment and instructions for data collection, editing and computation. The percent of records for which source of payment for the delivery were not stated is shown in **Table I**. See **Documentation Table 12** for 2009 data. A report on 2010 data on source of payment is forthcoming.

Maternal Lifestyle and Health Characteristics

Mother's body mass index (BMI)

BMI provides an indication of the mother's body fat based on her height and pre-pregnancy weight (see below), and is available for the revised reporting area, representing 66.0 percent of all U.S. births in 2009. See the 2011 User Guide for a detailed definition of BMI and instructions for calculation, editing and computation. See **Documentation Table 13** for 2009 data. The percent of records for which BMI is not stated is shown in **Table I**.

Mother's height

Information on the mother's height (in feet/inches) is available for the revised reporting area, representing 66.0 percent of all U.S. births in 2009. See the 2011 User Guide for instructions for data collection, editing and computation. Mother's height is one of the measurements used to compute mother's BMI (see above). The percent of not stated records for mother's height is shown in **Table I**.

Mother's pre-pregnancy weight

Information on the mother's pre-pregnancy weight (in pounds) is available for the revised reporting area, representing 66.0 percent of all U.S. births in 2009. See the 2011 User Guide for instructions for data collection, editing and computation. Mother's pre-pregnancy weight is one of the measurements used to compute mother's pre-pregnancy BMI (see above). Mother's pre-pregnancy weight, along with mother's weight at delivery (see below), is used to compute the mother's weight gain during delivery (see 2011 User Guide). The percent of not stated records for mother's pre-pregnancy weight is shown in **Table I**.

Mother's weight at delivery

Information on the mother's weight at delivery (in pounds) is available for the revised reporting area, representing 66.0 percent of all U.S. births in 2009. See the 2011 User Guide for instructions for data collection, editing and computation. The percent of not stated records for mother's weight at delivery is shown in **Table I**.

Cigarette smoking before and during pregnancy

Information on smoking before and during pregnancy is available for the revised reporting area except for Florida, Georgia, and Michigan, representing 54.4 percent of all U.S. births in 2009. Information on cigarette smoking before and during pregnancy is reported on the revised 2003 certificate (see **Figure 1** of the 2011 User Guide) for:

- Three months before pregnancy
- First three months of pregnancy
- Second three months of pregnancy
- Third trimester of pregnancy

See the 2011 User Guide for detailed definitions and instructions for data collection, editing and computation.

See **Documentation Table 14** for 2009 data on cigarette smoking before and during pregnancy. This table also contains information on quitting smoking before and during pregnancy. The percent of records for which cigarette smoking before and during pregnancy were not stated is shown in **Table I**.

Risk factors in this pregnancy

Information on each pregnancy risk factor, except Eclampsia, is available for the total revised reporting area, representing 66.0 percent of all U.S. births in 2009. Nine risk factors are separately identified on the revised 2003 certificate in a checkbox format (see **Figure 1** of the 2011 User Guide).

Pregnancy resulted from infertility treatment –Data for this risk factor have not previously been published. There is a general checkbox question about whether the pregnancy

resulted from infertility treatment. If the answer is “yes” (box checked) then the infertility treatments are grouped into two separate categories:

- Fertility enhancing drugs, artificial insemination, or intrauterine insemination
- Assisted reproductive technology (e.g. in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT))

A subset of the revised state reporting area – 18 states, representing 45.7 percent of 2009 births – reported information on the type of infertility treatment used. See the 2011 User Guide for detailed definitions and instructions for calculation, editing and computation. See **Documentation Table 15** for 2009 data. The percent of records for which the general checkbox question about whether the pregnancy resulted from infertility treatment is not stated is shown in **Table I**.

Infections present and/or treated during this pregnancy

Five infections are separately identified on the revised 2003 certificate in a checkbox format (see **Figure 1** of the 2011 User Guide):

- Gonorrhea
- Syphilis
- Chlamydia
- Hepatitis B
- Hepatitis C

Information on infections present and/or treated during this pregnancy is available for the full revised reporting area, representing 66.0 percent of all U.S. births in 2009, for all items but Syphilis, which is not reported by Colorado. See the 2011 User Guide for detailed definitions and instructions for data collection, editing and computation. See **Documentation Table 16** for 2009 data. The percent of records for which infections present and/or treated during this pregnancy is not stated is shown in **Table I**.

Maternal morbidity

The following six morbidities are separately identified on the revised certificate in a checkbox format (see **Figure 1** of the 2011 User Guide):

- Maternal transfusion
- Third or fourth degree perineal laceration
- Ruptured uterus
- Unplanned hysterectomy
- Admission to intensive care unit
- Unplanned operating room procedure

Information on maternal morbidities is available for the full revised reporting area, representing 66.0 percent of all U.S. births in 2009, for all items. See the 2011 User Guide for detailed definitions and instructions for calculation, editing and computation. See **Documentation Table 17** for 2009 data. The percent of records for which maternal morbidity items were not stated is shown in **Table I**.

Infant Health Characteristics

Apgar score

10-minute score--The 10-minute score is available for the revised reporting area, representing 66.0 percent of U.S. births in 2009. Control totals are as follows: 10-minute Apgar score was collected for 1.1 percent (30,401) of births in the reporting area in 2009; an additional 1.4 percent (36,851) of births in the reporting area had “not stated” 10-minute Apgar score for infants whose 5-minute score was less than 6. See the 2011 User Guide for a detailed definition of 10-minute Apgar score and instructions for calculation, editing and computation.

Infant breastfed

Information on whether the infant was being breastfed during the period from birth to discharge from the hospital is available for the revised reporting area except California, representing 53.3 percent of all U.S. births in 2009. See the 2011 User Guide for a detailed definition of infant breastfed and instructions for calculation, editing and computation. See **Documentation Table 10** for 2009 data. The percent of records for which infant breastfed at discharge are not stated is shown in **Table I**.

Quality of Data

State-specific data quality issues of particular concern for 2009—For the data items below, they should either be used with caution or their reporting flags are set to “not reporting” for certain states in the public use file:

Delaware:

- Infant breastfed— The level of infant breastfed may be underreported due to inaccurate reporting. Data for this item for this state should be used with caution.

Georgia:

- All tobacco use items – Reliable data on tobacco use were not available for Georgia for 2009. Data for these items for this state should be used with caution and have been excluded from **Documentation Table 14**.
- Several data items (mother’s height, mother’s pre-pregnancy weight, mother’s weight at delivery, and infant breastfed) have high not stated values and should be used with caution. See **Table I**.

Ohio:

- Unplanned operation - The level of unplanned operation may be inflated due to inaccurate reporting. Data for this item for this state should be used with caution.

Table I. Birth records for which data were not stated and resident births occurring in unrevised states: Total of 28 reporting states and New York City, 2009

[By place of residence]

Area	Births occurring in unrevised states 1	Time of birth	Education of father	Mother's height	Mother's pre-pregnancy weight	Mother's weight at delivery	Did mother get WIC food for herself during this pregnancy?	Tobacco use prior to pregnancy 2	Tobacco use during pregnancy 2	Source of payment 5	Date of last live birth
Total of reporting areas 3	0.6	0.6	15.6	3.6	4.8	4.9	3.2	1.4	1.5	2.3	4.9
California	0.1	0.1	11.7	3.9	6.5	4.4	1.5	1.8	1.8	0.2	0.9
Colorado 4	0.1	0.1	10.6	1.8	2.1	1.7	8.7	0.2	0.2	0.4	4.4
Delaware	1.9	1.9	26.6	2.1	2.8	2.8	3.0	2.1	2.1	2.0	6.3
Florida	0.2	0.2	18.3	1.8	5.8	4.7	1.3	---	---	0.5	1.9
Georgia	0.2	0.2	25.4	25.2	22.1	23.3	14.6	---	---	14.6	10.9
Idaho	0.0	0.0	12.3	0.4	0.3	0.5	1.1	0.1	0.1	0.3	1.8
Indiana	0.6	0.7	15.3	0.9	1.4	1.2	1.0	0.8	0.8	1.0	2.6
Iowa	1.6	1.6	16.8	1.8	1.8	2.0	2.2	1.7	1.7	1.7	2.0
Kansas	2.6	2.6	14.5	2.9	3.9	3.4	4.6	3.0	2.9	3.4	3.7
Kentucky	0.6	0.6	21.3	1.6	1.4	2.6	1.1	0.8	0.8	0.8	2.2
Michigan	0.2	0.2	17.3	2.0	3.7	3.1	5.2	---	---	0.5	2.6
Montana	0.1	0.1	11.0	17.3	11.0	11.3	8.2	1.1	1.0	7.5	3.4
Nebraska	0.0	0.0	14.2	0.3	1.0	1.4	0.3	0.2	0.2	1.2	3.8
New Hampshire	8.1	8.1	17.0	11.1	13.7	15.0	12.3	10.0	10.0	8.7	10.0
New Mexico	0.4	0.4	21.3	3.7	8.2	5.9	17.4	1.2	1.2	22.2	8.3
New York (excluding NYC)	1.7	1.7	14.7	3.1	4.5	4.1	4.4	1.7	1.7	2.0	14.2
New York City	0.4	0.4	15.5	1.2	1.9	6.6	1.4	0.4	0.4	1.0	11.4
North Dakota	1.9	1.9	12.3	2.1	3.0	2.6	5.7	2.0	2.0	4.2	5.0
Ohio	1.1	1.1	20.0	2.3	4.6	6.6	2.2	1.7	1.8	4.4	7.2
Oregon	0.0	0.0	11.2	0.7	1.2	2.0	2.8	0.8	0.8	0.5	2.7
Pennsylvania	1.5	1.5	9.9	2.7	5.6	8.4	3.1	3.5	3.8	4.2	12.3
South Carolina	3.1	3.1	31.0	4.6	4.1	4.5	4.6	5.5	5.4	3.6	6.4
South Dakota	0.5	0.5	14.8	0.9	1.5	1.8	1.5	1.4	1.3	0.8	4.3
Tennessee	0.5	0.5	18.0	1.8	2.6	4.0	0.5	1.0	0.9	4.5	5.9
Texas	0.1	0.1	15.0	0.4	0.7	0.5	0.2	0.2	0.2	0.3	3.2
Utah	0.1	0.1	9.6	2.5	2.9	3.5	5.6	0.4	0.4	4.1	2.0
Vermont	0.7	0.7	12.4	1.4	2.2	2.2	2.0	1.3	1.3	0.8	3.3
Washington	0.0	0.0	14.3	4.6	4.9	4.3	7.3	0.9	0.9	1.2	5.4
Wyoming	0.1	0.1	18.3	2.7	3.2	4.5	1.0	4.6	4.7	1.2	10.2

See footnotes at end of table.

Table I. Birth records for which data were not stated and resident births occurring in unrevised states: Total of 28 reporting states and New York City, 2009-Con.

(By place of residence)					
Area	Pregnancy risk factors	Type of infertility treatment 6	Infections present	Maternal morbidity	Infant breastfed at discharge 7
	Percentage				
Total of reporting areas 3	1.1	1.1	1.3	1.2	4.0
California	0.1	0.1	0.1	0.1	---
Colorado 4	0.1	0.1	0.1	0.1	0.1
Delaware	1.9	2.1	1.9	1.9	4.3
Florida	0.4	---	1.2	0.3	0.8
Georgia	6.8	6.8	8.1	7.7	26.7
Idaho	0.1	---	0.2	0.1	0.4
Indiana	0.7	0.8	0.7	0.7	0.8
Iowa	1.6	1.7	1.6	1.6	6.0
Kansas	2.6	2.6	2.6	2.6	5.4
Kentucky	1.0	---	1.1	1.1	1.5
Michigan	1.2	---	2.2	1.3	1.7
Montana	0.1	0.1	1.0	0.5	8.4
Nebraska	0.1	---	0.1	0.1	0.2
New Hampshire	8.1	---	8.8	9.5	9.6
New Mexico	0.4	0.4	3.0	0.4	7.4
New York (excluding NYC)	1.9	2.0	2.6	2.5	3.6
New York City	1.0	1.0	0.8	1.3	2.7
North Dakota	1.9	1.9	1.9	1.9	4.7
Ohio	1.8	1.8	1.1	2.1	5.2
Oregon	0.1	0.1	0.1	0.1	13.8
Pennsylvania	1.5	---	1.5	1.5	3.0
South Carolina	3.1	---	3.1	3.1	3.6
South Dakota	0.5	0.5	0.6	0.6	2.6
Tennessee	0.5	---	0.5	0.5	4.3
Texas	0.1	0.2	0.1	0.1	0.3
Utah	0.1	1.1	0.1	0.1	0.2
Vermont	0.8	1.0	1.2	0.9	1.3
Washington	1.0	---	1.2	1.2	1.6
Wyoming	0.1	0.2	0.1	0.1	1.3

---Data not available.

0.0 Quantity more than zero but less than 0.05

1 The percentage of resident births occurring in states using the 1989 U.S. Standard Certificate of Live Birth. In tabulations, these records are coded as not stated.

2 Excludes data for Florida, Georgia, and Michigan. Florida and Michigan smoking data are not comparable with the 2003 revision of the U.S. Standard Certificate of Live Birth. Georgia data are not reliable.

3 Data are for states using the 2003 U.S. Standard Certificate of Live Birth. Births to residents of states using the 2003 U.S. Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth are coded as not stated. See "Technical Notes."

4 Colorado does not report syphilis.

5 The Florida, Michigan, New Hampshire, Pennsylvania, Texas, Vermont, and Wyoming do not collect detailed source of payment information (See "Technical notes").

6 Florida, Idaho, Kentucky, Michigan, Nebraska, New Hampshire, Pennsylvania, South Carolina, Tennessee, and Washington do not report detailed infertility information. These items were added to the U.S. standard after these states adopted the 2003 version of the certificate.

7 California does not report whether the infant was breastfed during the period between birth and discharge from the hospital.

NOTE: The percent non-response is the same for all specific checkboxes (unless otherwise noted) within a category except for the category "Method of Delivery," which allows for non-response for each specific checkbox shown.

Table 9. Births, by interval since last live birth and age and race and Hispanic origin of mother: Total of 28 reporting states, 2009

Interval since last live birth and race and Hispanic origin of mother	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years
All races 1							
	Percent						
	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0-3 months (plural deliveries)	2.5	3.6	2.0	2.1	2.6	3.0	4.5
4-11 months	1.6	6.7	2.9	1.4	0.8	0.6	0.4
12-17 months	9.3	28.3	15.8	8.6	5.9	4.9	3.6
18-23 months	13.2	23.3	17.9	13.3	11.4	9.2	6.7
24-35 months	23.5	25.4	27.4	23.7	23.3	19.5	14.8
36-47 months	15.0	9.2	16.2	15.5	15.4	13.8	11.2
48-59 months	9.7	2.7	9.3	10.8	10.0	9.7	8.6
60-71 months	6.8	0.6	4.8	8.1	7.2	7.4	6.9
72 months and over	18.4	0.3	3.8	16.6	23.5	32.0	43.2
	Number						
All births 2	1,644,696	54,184	343,103	495,992	450,637	241,809	58,971
Not stated 3	135,002	5,847	26,247	38,173	37,016	21,611	6,108
Median between 1st and 2nd births (months)	35	21	30	39	39	43	52
White 4							
	Percent						
	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0-3 months (plural deliveries)	2.8	4.0	2.1	2.5	2.9	3.5	5.6
4-11 months	1.3	6.6	2.6	1.1	0.7	0.6	0.4
12-17 months	8.7	29.9	16.2	8.5	5.7	4.8	3.9
18-23 months	14.5	23.8	19.4	15.3	12.9	10.6	7.9
24-35 months	27.1	24.9	29.1	27.9	28.1	23.4	18.0
36-47 months	16.1	8.0	15.8	16.0	17.3	15.8	13.1
48-59 months	9.2	2.2	8.3	9.5	9.5	9.9	9.1
60-71 months	5.9	0.4	3.9	6.6	5.9	7.0	6.7
72 months and over	14.5	0.2	2.7	12.6	16.9	24.4	35.3
	Number						
All births 2	797,793	15,560	145,446	243,721	238,642	124,306	30,118
Not stated 3	55,399	1,258	9,115	15,502	16,732	10,016	2,776
Median between 1st and 2nd births (months)	33	20	29	34	35	38	44
Black 4							
	Percent						
	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0-3 months (plural deliveries)	2.8	4.5	2.7	2.6	2.6	2.8	2.9
4-11 months	2.7	7.7	4.0	2.2	1.4	0.9	0.6
12-17 months	12.0	28.1	17.7	10.1	7.4	5.5	3.7
18-23 months	12.6	21.6	17.3	11.1	9.4	7.6	5.4
24-35 months	19.1	23.8	25.0	18.0	15.5	13.4	11.2
36-47 months	13.1	9.7	15.1	13.9	11.9	10.5	9.1
48-59 months	9.3	3.5	8.9	11.2	9.3	8.3	8.2
60-71 months	6.9	0.8	5.0	8.9	7.8	7.4	7.0
72 months and over	21.6	0.3	4.3	21.9	34.6	43.6	52.0
	Number						
All births 2	209,826	11,870	59,701	63,447	44,651	23,863	6,294
Not stated 3	23,558	1,631	5,802	6,685	5,349	3,103	988
Median between 1st and 2nd births (months)	39	21	31	54	62	73	86
Hispanic 5							
	Percent						
	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0-3 months (plural deliveries)	1.7	2.8	1.5	1.4	1.7	1.9	2.4
4-11 months	1.7	6.2	2.6	1.4	0.9	0.6	0.4
12-17 months	9.1	27.1	14.0	7.8	5.8	4.6	3.0
18-23 months	11.4	23.9	16.0	10.5	8.6	6.9	4.8
24-35 months	19.7	26.7	26.5	19.4	16.6	13.7	10.2
36-47 months	14.2	9.8	17.5	15.5	12.7	10.9	8.6
48-59 months	10.7	2.6	10.8	12.6	10.8	9.2	7.4
60-71 months	8.0	0.6	6.0	10.2	9.0	8.0	6.8
72 months and over	23.5	0.3	5.0	21.3	33.9	44.1	56.3
	Number						
All births 2	495,185	23,444	118,606	153,251	121,156	63,688	15,040
Not stated 3	30,955	1,824	7,210	9,201	7,610	4,040	1,070
Median between 1st and 2nd births (months)	40	21	33	50	55	61	78

1 Includes other races not shown and origin not stated.

2 Includes all births of second or higher order birth to residents of areas reporting interval since last live birth.

3 No response reported for interval since last live birth, for births which are second and higher order; including births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth (0.6 percent). See "Technical Notes."

4 Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1997 Office of Management and Budget standards; see "Technical Notes." Data by race are non-Hispanic and exclude mothers reporting multiple races.

5 Includes all persons of Hispanic origin of any race.

NOTES: Includes California, Colorado, Delaware, Florida, Georgia, Idaho, Indiana, Iowa, Kansas, Kentucky, Michigan, Montana, Nebraska, New Hampshire, New Mexico, New York, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, and Wyoming.

Table 10. Mother received WIC food for herself during this pregnancy and infant was being breastfed at discharge, by age and race and Hispanic origin of mother: Total of 28 reporting states, 2009

Selected characteristic and race and Hispanic origin of mother	All births 1	Characteristic reported	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated 2
All races 3										
			percent							
Mother received WIC food for herself during this pregnancy	2,727,351	1,281,250	48.5	80.8	67.5	44.1	31.3	29.0	29.4	87,011
Infant was being breastfed at discharge 4	2,200,331	1,552,374	73.5	61.5	67.5	75.6	79.4	79.6	79.8	88,316
White 5										
Mother received WIC food for herself during this pregnancy	1,374,439	446,758	33.3	76.1	57.6	28.8	16.2	13.7	13.7	31,697
Infant was being breastfed at discharge 4	1,232,765	882,823	73.8	57.8	66.4	76.1	79.5	79.3	79.9	35,934
Black 5										
Mother received WIC food for herself during this pregnancy	342,515	222,201	67.3	81.7	75.6	63.7	54.7	49.6	47.9	12,131
Infant was being breastfed at discharge 4	313,724	174,259	58.5	47.4	53.9	60.9	66.9	69.7	72.8	15,897
Hispanic 6										
Mother received WIC food for herself during this pregnancy	765,764	532,547	71.5	85.1	78.9	68.7	61.9	59.7	60.6	20,445
Infant was being breastfed at discharge 4	495,528	387,453	80.9	76.0	78.8	82.0	84.3	84.3	83.1	16,511

1 Total number of births to residents of areas reporting specified items.

2 No response reported for selected characteristic; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth (0.6 percent). See "Technical Notes."

3 Includes other races not shown and origin not stated.

4 Excludes data for California which did not report infant was being breastfed at discharge.

5 Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1997 Office of Management and Budget standards; see "Technical Notes." Data by race are non-Hispanic and exclude mothers reporting multiple races.

6 Includes all persons of Hispanic origin of any race.

NOTE: Includes California, Colorado, Delaware, Florida, Georgia, Idaho, Indiana, Iowa, Kansas, Kentucky, Michigan, Montana, Nebraska, New Hampshire, New Mexico, New York, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, and Wyoming.

Table 11. Time of birth, by day of week of birth and race and Hispanic origin of mother: Total of 28 reporting states, 2009

Time of birth and race and Hispanic origin of mother	All births	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
All races 1								
	Percent							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12:00am-5:59am	16.2	21.1	12.9	14.9	15.2	15.3	15.8	22.1
6:00am-11:59am	28.3	27.0	28.8	28.7	28.4	28.2	29.3	26.9
12:00pm-5:59pm	32.4	28.4	34.0	33.4	33.3	33.3	32.9	28.4
6:00pm-11:59pm	23.1	23.4	24.4	23.0	23.1	23.2	22.0	22.7
	Number							
Total 2	2,727,351	252,711	414,013	456,911	446,907	445,045	424,587	287,177
Not stated 3	15,163	1,334	2,361	2,587	2,486	2,593	2,283	1,519
White 4								
	Percent							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12:00am-5:59am	15.4	21.4	11.9	14.0	14.3	14.4	14.9	22.2
6:00am-11:59am	28.0	26.2	28.5	28.6	28.1	27.9	29.2	26.2
12:00pm-5:59pm	33.3	28.4	35.1	34.5	34.4	34.2	33.9	28.3
6:00pm-11:59pm	23.3	23.9	24.5	23.0	23.3	23.5	22.0	23.2
	Number							
Total 2	1,374,439	118,034	212,695	235,601	229,605	227,670	216,451	134,383
Not stated 3	501	46	81	75	83	83	79	54
Black 4								
	Percent							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12:00am-5:59am	17.2	21.3	14.1	15.6	16.3	16.6	16.9	22.5
6:00am-11:59am	27.9	26.9	28.1	28.5	28.0	27.7	28.7	26.7
12:00pm-5:59pm	31.8	28.5	33.2	32.7	32.6	32.7	32.0	28.3
6:00pm-11:59pm	23.2	23.3	24.7	23.2	23.0	23.0	22.4	22.5
	Number							
Total 2	342,515	33,536	50,489	56,668	55,748	55,283	52,326	38,465
Not stated 3	24	5	1	4	2	6	3	3
Hispanic 5								
	Percent							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12:00am-5:59am	16.8	20.7	13.7	15.9	16.0	16.0	16.4	21.7
6:00am-11:59am	29.2	28.2	29.6	29.3	29.4	29.1	29.9	28.0
12:00pm-5:59pm	31.4	28.4	32.8	32.2	32.0	32.1	32.0	28.5
6:00pm-11:59pm	22.6	22.8	23.9	22.6	22.6	22.7	21.7	21.9
	Number							
Total 2	765,764	76,170	114,741	125,142	122,773	122,947	118,065	85,926
Not stated 3	1,038	107	152	177	168	185	136	113

1 Includes other races not shown and origin not stated.

2 Total number of births to residents of areas reporting time of birth.

3 No response reported for time of birth; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth (0.6 percent). See "Technical Notes."

4 Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1997 Office of Management and Budget standards; see "Technical Notes." Data by race are non-Hispanic and exclude mothers reporting multiple races.

5 Includes all persons of Hispanic origin of any race.

NOTE: Includes California, Colorado, Delaware, Florida, Georgia, Idaho, Indiana, Iowa, Kansas, Kentucky, Michigan, Montana, Nebraska, New Hampshire, New Mexico, New York, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, and Wyoming.

**Table 12. Principal source of payment for the delivery, by age and race and Hispanic origin of mother:
Total of 28 reporting states, 2009**

Source of payment and race and Hispanic origin of mother	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years
All races 1							
Percent							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Medicaid	44.4	74.6	64.5	40.2	26.8	24.5	25.1
Private insurance	45.9	15.4	24.2	49.9	64.5	67.1	66.1
Self-pay	4.7	4.7	4.9	4.7	4.5	4.6	4.9
Other	5.1	5.3	6.4	5.2	4.2	3.9	3.9
Number							
Total 2	2,727,351	276,107	668,070	771,275	624,511	311,716	75,672
Not stated 3	63,922	6,279	15,636	18,046	14,763	7,328	1,870
White 4							
Percent							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Medicaid	32.3	71.9	57.3	28.1	15.1	12.9	13.4
Private insurance	60.3	20.9	33.2	64.3	78.7	81.1	80.0
Self-pay	3.0	2.2	3.2	3.1	2.9	3.2	3.9
Other	4.4	5.0	6.3	4.5	3.2	2.8	2.8
Number							
Total 2	1,374,439	99,567	310,731	411,847	346,040	165,992	40,262
Not stated 3	21,284	1,568	5,002	6,385	5,211	2,501	617
Black 4							
Percent							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Medicaid	64.2	78.4	76.3	61.3	47.7	40.4	38.9
Private insurance	27.3	14.4	15.7	29.9	43.0	49.6	50.5
Self-pay	3.5	3.0	3.0	3.5	4.2	4.8	5.4
Other	5.0	4.2	5.1	5.3	5.1	5.2	5.2
Number							
Total 2	342,515	54,472	107,292	86,997	56,651	29,348	7,755
Not stated 3	8,582	1,411	2,630	2,134	1,461	752	194
Hispanic 5							
Percent							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Medicaid	60.3	75.5	69.5	56.8	49.1	47.0	48.2
Private insurance	24.8	10.5	15.0	27.7	36.0	39.1	38.4
Self-pay	8.6	8.1	8.7	8.8	8.7	8.3	7.8
Other	6.3	5.9	6.7	6.6	6.1	5.6	5.6
Number							
Total 2	765,764	107,620	210,737	206,013	148,825	74,900	17,669
Not stated 3	15,931	2,132	4,464	4,473	3,164	1,397	301

1 Includes other races not shown and origin not stated.

2 Total number of births to residents of areas reporting principal source of payment for the delivery.

3 No response reported for selected source of payment; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth (0.6 percent). See "Technical Notes."

4 Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1997 Office of Management and Budget standards; see "Technical Notes." Data by race are non-Hispanic and exclude mothers reporting multiple races.

5 Includes all persons of Hispanic origin of any race.

NOTES: Includes California, Colorado, Delaware, Florida, Georgia, Idaho, Indiana, Iowa, Kansas, Kentucky, Michigan, Montana, Nebraska, New Hampshire, New Mexico, New York, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, and Wyoming.

Table 13. Maternal pre-pregnancy body mass index (BMI), by age and race and Hispanic origin of mother: Total of 28 reporting states, 2009

BMI category ¹ and race and Hispanic origin of mother	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years
All races ²							
	Percent						
Underweight (BMI less than 18.5)	4.1	7.6	5.2	3.6	3.0	2.6	2.3
Normal weight (BMI of 18.5 to 24.9)	48.3	56.1	47.1	46.7	48.7	47.8	46.5
Overweight (BMI of 25.0 to 29.9)	25.1	21.8	24.7	25.6	25.6	26.3	27.6
Obese (BMI = 30.0 and over)	22.4	14.5	23.0	24.0	22.7	23.7	23.7
	Number						
Total ³	2,727,351	276,107	668,070	771,275	624,511	311,716	75,672
Not stated ⁴	161,060	16,206	39,266	44,473	36,244	19,578	5,293
White ⁵							
	Percent						
Underweight (BMI less than 18.5)	4.2	9.1	5.8	3.7	2.9	2.6	2.4
Normal weight (BMI of 18.5 to 24.9)	51.1	56.4	48.6	50.2	52.6	51.8	51.4
Overweight (BMI of 25.0 to 29.9)	23.6	20.3	23.3	24.0	23.9	24.4	25.4
Obese (BMI = 30.0 and over)	21.1	14.2	22.2	22.2	20.7	21.3	20.9
	Number						
Total ³	1,374,439	99,567	310,731	411,847	346,040	165,992	40,262
Not stated ⁴	50,236	3,523	11,146	14,472	12,313	6,900	1,882
Black ⁵							
	Percent						
Underweight (BMI less than 18.5)	3.6	6.2	4.5	3.0	1.8	1.4	1.1
Normal weight (BMI of 18.5 to 24.9)	38.2	52.9	41.7	33.9	30.6	28.5	27.9
Overweight (BMI of 25.0 to 29.9)	26.9	23.7	25.3	27.7	29.3	30.9	32.4
Obese (BMI = 30.0 and over)	31.2	17.2	28.6	35.4	38.4	39.2	38.7
	Number						
Total ³	342,515	54,472	107,292	86,997	56,651	29,348	7,755
Not stated ⁴	27,999	4,348	8,373	7,011	4,867	2,672	728
Hispanic ⁶							
	Percent						
Underweight (BMI less than 18.5)	3.2	6.8	4.0	2.3	1.6	1.3	1.1
Normal weight (BMI of 18.5 to 24.9)	44.3	57.2	46.9	41.8	39.4	37.5	34.4
Overweight (BMI of 25.0 to 29.9)	28.7	22.4	26.8	29.9	31.5	32.7	34.4
Obese (BMI = 30.0 and over)	23.8	13.6	22.2	26.1	27.5	28.6	30.1
	Number						
Total ³	765,764	107,620	210,737	206,013	148,825	74,900	17,669
Not stated ⁴	54,195	6,533	14,561	15,155	10,980	5,589	1,377

1 For calculation of BMI, see "Technical Notes".

2 Includes other races not shown and origin not stated.

3 Total number of births to residents of areas reporting pre-pregnancy BMI.

4 No response reported for component measures for pre-pregnancy BMI; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth (0.6 percent). See "Technical Notes."

5 Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1997 Office of Management and Budget standards; see "Technical Notes." Data by race are non-Hispanic and exclude mothers reporting multiple races.

6 Includes all persons of Hispanic origin of any race.

NOTES: Includes California, Colorado, Delaware, Florida, Georgia, Idaho, Indiana, Iowa, Kansas, Kentucky, Michigan, Montana, Nebraska, New Hampshire, New Mexico, New York, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, and Wyoming.

Table 14. Maternal smoking status for the three months before pregnancy and during pregnancy, by age and race and Hispanic origin of mother: Total of 25 reporting states, 2009

Tobacco use and race and Hispanic origin	All births	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years
All races ¹		Percent					
Three months before	12.1	15.8	18.4	12.4	7.5	5.9	5.4
First trimester	9.1	12.1	14.1	9.1	5.4	4.4	4.3
Second trimester	7.8	10.0	12.0	7.9	4.6	3.9	3.8
Third trimester	7.4	9.4	11.4	7.5	4.4	3.7	3.6
Smoked anytime during pregnancy	9.3	12.5	14.5	9.4	5.5	4.5	4.4
Quit before pregnancy ²	24.2	22.2	22.4	25.5	28.2	24.6	20.0
Quit during pregnancy ³	20.7	24.7	21.1	19.5	19.6	18.1	17.3
White ⁴							
Three months before	18.6	34.0	30.7	18.0	10.5	8.5	7.5
First trimester	14.2	27.0	24.1	13.4	7.5	6.5	6.1
Second trimester	12.3	22.9	20.9	11.7	6.5	5.7	5.4
Third trimester	11.8	21.6	19.9	11.3	6.3	5.5	5.2
Smoked anytime during pregnancy	14.6	27.8	24.7	13.7	7.7	6.6	6.2
Quit before pregnancy ²	22.6	19.4	20.3	24.4	27.7	23.6	19.1
Quit during pregnancy ³	19.0	22.3	19.3	17.8	18.2	16.9	16.0
Black ⁴							
Three months before	10.7	7.1	12.5	12.5	9.9	7.4	7.1
First trimester	8.2	5.2	9.4	9.6	7.8	6.0	6.0
Second trimester	6.9	4.1	7.8	8.2	6.8	5.3	5.3
Third trimester	6.5	3.8	7.4	7.8	6.4	4.9	5.1
Smoked anytime during pregnancy	8.5	5.5	9.8	10.0	8.1	6.2	6.1
Quit before pregnancy ²	22.5	26.1	23.9	21.8	20.1	18.7	16.3
Quit during pregnancy ³	23.5	29.9	25.2	22.2	20.2	20.2	16.4
Hispanic ⁵							
Three months before	3.2	3.5	4.3	3.3	2.3	1.8	1.7
First trimester	2.0	2.1	2.6	2.0	1.4	1.2	1.2
Second trimester	1.5	1.4	1.9	1.6	1.0	0.9	0.9
Third trimester	1.4	1.3	1.8	1.5	1.0	0.9	0.9
Smoked anytime during pregnancy	2.0	2.2	2.7	2.1	1.4	1.2	1.2
Quit before pregnancy ²	39.2	39.7	39.7	38.4	40.3	36.1	33.6
Quit during pregnancy ³	32.9	39.6	33.9	30.3	31.4	26.2	26.2

All races 1	Number						
Total	2,247,286	225,427	545,670	636,046	518,400	258,673	63,070
Not stated three months before 6	32,330	3,079	7,531	8,988	7,453	4,141	1,138
Not stated during pregnancy 6	32,520	3,087	7,521	9,047	7,521	4,202	1,142
Quit before pregnancy 2							
Smokers	268,570	35,030	98,996	77,611	38,552	15,039	3,342
Unknown if quit	445	64	143	125	71	37	5
Quit during pregnancy 3							
Smokers	206,895	27,777	78,023	58,668	28,144	11,556	2,727
Unknown if quit	286	37	95	76	57	15	6
White 4							
Total	1,133,791	80,411	254,450	340,411	287,376	137,645	33,498
Not stated three months before 6	6,990	572	1,809	2,112	1,486	799	212
Not stated during pregnancy 6	7,016	554	1,776	2,135	1,513	825	213
Quit before pregnancy 2							
Smokers	209,459	27,130	77,463	60,777	29,986	11,595	2,508
Unknown if quit	246	32	76	79	38	17	4
Quit during pregnancy 3							
Smokers	164,096	22,204	62,440	46,455	21,946	8,994	2,057
Unknown if quit	170	21	57	47	33	10	2
Black 4							
Total	225,376	35,140	70,498	57,424	37,671	19,378	5,265
Not stated three months before 6	2,423	401	765	631	369	200	57
Not stated during pregnancy 6	2,466	404	776	637	383	209	57
Quit before pregnancy 2							
Smokers	23,771	2,473	8,715	7,089	3,701	1,425	368
Unknown if quit	89	10	30	21	17	11	-
Quit during pregnancy 3							
Smokers	19,013	1,905	6,867	5,704	3,027	1,190	320
Unknown if quit	50	6	16	11	13	2	2
Hispanic 5							
Total	671,269	97,526	186,458	179,853	128,112	64,174	15,146
Not stated three months before 6	7,739	1,129	2,129	2,052	1,429	806	194
Not stated during pregnancy 6	7,815	1,148	2,146	2,070	1,438	817	196
Quit before pregnancy 2							
Smokers	21,368	3,336	7,856	5,908	2,871	1,137	260
Unknown if quit	70	14	26	16	8	5	1
Quit during pregnancy 3							
Smokers	13,529	2,093	4,932	3,766	1,803	752	183
Unknown if quit	33	7	13	4	9	-	-

- Quantity zero.

1 Includes other races not shown and origin not stated.

2 Mothers who smoked in the three months before pregnancy but reported no smoking during pregnancy. See "Technical Notes."

3 Mothers who smoked in either of the first two trimesters of pregnancy but not in the third trimester. See "Technical Notes."

4 Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1997 Office of Management and Budget standards; see "Technical Notes." Data by race are non-Hispanic and exclude mothers reporting multiple races.

5 Includes all persons of Hispanic origin of any race.

6 No response reported for maternal smoking item; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth (0.6 percent). See "Technical Notes."

NOTE: Includes California, Colorado, Delaware, Idaho, Indiana, Iowa, Kansas, Kentucky, Montana, Nebraska, New Hampshire, New Mexico, New York, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, and Wyoming.

Documentation Table 15. Infertility treatment and type of treatment, by age and race and Hispanic origin of mother: Total of 28 reporting states, 2009

[Rates are number of live births with specified risk factor per 1,000 live births in specified group]

Infertility treatment and race and Hispanic origin of mother	All births ¹	Factor reported	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated ²
All races ³										
Pregnancy resulted from infertility treatment ⁴	2,727,351	30,767	11.4	0.1	1.7	8.0	17.0	27.4	60.9	29,269
Pregnancy resulted from infertility treatment ⁵	1,888,484	21,931	11.7	0.1	1.9	8.3	16.8	27.7	62.7	19,875
Fertility-enhancing drugs, artificial insemination, or intrauterine insemination ^{5 6}	1,888,484	11,859	6.3	*	1.4	5.7	9.7	13.1	21.6	20,805
Assisted reproductive technology ^{5 6}	1,888,484	10,316	5.5	*	0.3	2.5	7.1	15.5	44.1	20,812
White ⁷										
Pregnancy resulted from infertility treatment ⁴	1,374,439	23,922	17.5	0.2	2.9	12.3	24.0	38.5	82.9	6,428
Pregnancy resulted from infertility treatment ⁵	855,801	16,680	19.6	*	3.6	13.9	25.6	41.6	89.6	4,953
Fertility-enhancing drugs, artificial insemination, or intrauterine insemination ^{5 6}	855,801	9,343	11.0	*	2.8	9.6	15.2	20.5	31.8	5,741
Assisted reproductive technology ^{5 6}	855,801	7,400	8.7	*	0.6	4.0	10.3	22.3	60.7	5,748
Black ⁷										
Pregnancy resulted from infertility treatment ⁴	342,515	1,059	3.1	*	0.4	2.0	6.0	11.5	22.7	4,979
Pregnancy resulted from infertility treatment ⁵	204,305	749	3.7	*	0.5	2.2	6.8	12.9	26.3	4,203
Fertility-enhancing drugs, artificial insemination, or intrauterine insemination ^{5 6}	204,305	391	2.0	*	*	1.4	4.5	5.4	9.6	4,229
Assisted reproductive technology ^{5 6}	204,305	373	1.9	*	*	0.6	2.6	8.0	18.7	4,229
Hispanic ⁸										
Pregnancy resulted from infertility treatment ⁴	765,764	2,420	3.2	*	0.5	2.4	5.2	9.0	21.3	3,283
Pregnancy resulted from infertility treatment ⁵	640,083	1,850	2.9	*	0.5	2.3	4.6	8.4	19.0	2,717
Fertility-enhancing drugs, artificial insemination, or intrauterine insemination ^{5 6}	640,083	1,016	1.6	*	0.4	1.6	2.7	4.1	7.0	2,785
Assisted reproductive technology ^{5 6}	640,083	860	1.3	*	*	0.7	2.1	4.6	12.6	2,785

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

¹ Total number of births to residents of areas reporting specified pregnancy risk factor.

² No response reported for infertility treatment item; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth (0.6 percent). See "Technical Notes".

³ Includes other races not shown and origin not stated.

⁴ Includes California, Colorado, Delaware, Florida, Georgia, Idaho, Indiana, Iowa, Kansas, Kentucky, Michigan, Montana, Nebraska, New Hampshire, New Mexico, New York, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, and Wyoming.

⁵ Limited to states reporting type of infertility treatment. Includes California, Colorado, Delaware, Georgia, Iowa, Indiana, Kansas, Montana, New Mexico, New York, North Dakota, Ohio, Oregon, South Dakota, Texas, Utah, Vermont, and Wyoming.

⁶ The categories of "Fertility-enhancing drugs, artificial insemination, or intrauterine insemination" and "Assisted reproductive technology" are not mutually exclusive.

⁷ Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1997 Office of Management and Budget standards; see "Technical Notes." Data by race are non-Hispanic and exclude mothers reporting multiple races.

⁸ Includes all persons of Hispanic origin of any race.

Table 16. Infections present and/or treated during this pregnancy, by age and race and Hispanic origin of mother: Total of 28 reporting states, 2009

Infection present and race and Hispanic origin of mother	All births 1	Condition reported	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated 2
All races 3			per 100,000							
Gonorrhoea	2,727,351	6,567	243.9	703.1	415.7	154.4	81.6	57.3	69.9	35,124
Syphilis 4	2,658,723	1,396	53.2	53.7	63.6	44.2	45.4	65.0	67.7	35,076
Chlamydia	2,727,351	45,307	1,682.9	5,013.5	2,877.1	1,079.5	515.9	338.3	284.8	35,124
Hepatitis B	2,727,351	5,508	204.6	81.7	142.7	209.8	253.9	304.5	329.1	35,124
Hepatitis C	2,727,351	4,779	177.5	87.2	179.5	217.4	159.6	178.9	224.3	35,124
White 5										
Gonorrhoea	1,374,439	1,738	127.3	390.7	226.6	93.8	52.0	40.6	57.6	8,828
Syphilis 4	1,333,786	308	23.2	29.0	30.3	19.9	17.7	27.1	*	8,824
Chlamydia	1,374,439	14,674	1,074.5	3,815.8	2,106.1	695.5	311.6	238.8	237.8	8,828
Hepatitis B	1,374,439	916	67.1	42.5	72.3	62.8	67.7	79.4	75.1	8,828
Hepatitis C	1,374,439	3,258	238.6	124.5	273.3	293.1	186.6	215.7	235.3	8,828
Black 5										
Gonorrhoea	342,515	3,527	1,049.0	2,169.9	1,457.3	640.3	362.8	232.6	*	6,302
Syphilis 4	339,684	623	186.9	147.0	188.7	153.5	201.3	290.8	318.3	6,301
Chlamydia	342,515	16,381	4,872.2	10,544.2	6,540.7	3,011.8	1,753.0	941.0	576.7	6,302
Hepatitis B	342,515	1,133	337.0	159.1	245.1	334.8	479.6	632.0	720.8	6,302
Hepatitis C	342,515	396	117.8	88.0	94.0	118.2	145.5	166.7	262.1	6,302
Hispanic 6										
Gonorrhoea	765,764	926	121.7	243.8	170.0	88.5	60.2	41.7	*	4,974
Syphilis 4	745,083	345	46.6	27.0	42.7	48.2	52.8	64.7	*	4,966
Chlamydia	765,764	11,532	1,515.8	3,253.3	2,185.6	1,105.4	598.1	373.7	279.6	4,974
Hepatitis B	765,764	577	75.8	53.2	68.8	88.5	73.7	73.9	176.9	4,974
Hepatitis C	765,764	690	90.7	50.4	77.9	108.5	94.7	106.2	182.6	4,974

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

1 Total number of births to residents of areas reporting specified infection.

2 No response reported for infections present and/or treated during this pregnancy item; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth (0.6 percent). See "Technical Notes."

3 Includes other races not shown and origin not stated.

4 Excludes data for Colorado, which did not report syphilis.

5 Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1997 Office of Management and Budget standards; see "Technical Notes." Data by race are non-Hispanic and exclude mothers reporting multiple races.

6 Includes all persons of Hispanic origin of any race.

NOTE: Includes California, Colorado, Delaware, Florida, Georgia, Idaho, Indiana, Iowa, Kansas, Kentucky, Michigan, Montana, Nebraska, New Hampshire, New Mexico, New York, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, and Wyoming.

Table 17. Maternal morbidity, by age and race and Hispanic origin of mother: Total of 28 reporting states, 2009

Maternal morbidity and race and Hispanic origin of mother	All births 1	Condition reported	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated 2
All races 3			per 100,000							
Maternal transfusion	2,727,351	6,031	223.8	220.7	209.9	202.0	224.8	278.4	348.6	32,746
Third or fourth degree perineal laceration	2,727,351	24,201	898.1	993.9	843.3	1,027.8	917.2	664.7	510.9	32,746
Ruptured uterus 4	2,727,351	808	30.0	26.0	27.9	26.5	34.1	34.8	45.6	32,952
Unplanned hysterectomy	2,727,351	1,006	37.3	11.3	17.9	27.2	49.3	82.0	126.0	32,746
Admission to intensive care unit	2,727,351	4,345	161.2	177.1	142.9	135.1	161.7	212.7	316.5	32,746
Unplanned operating room procedure following delivery	2,727,351	7,029	260.9	221.8	225.4	249.3	288.2	323.3	352.7	32,746
White 5										
Maternal transfusion	1,374,439	3,297	241.4	255.7	222.8	217.8	242.2	296.5	354.9	8,395
Third or fourth degree perineal laceration	1,374,439	14,996	1,097.8	1,170.5	1,047.5	1,308.6	1,101.8	747.6	557.4	8,395
Ruptured uterus	1,374,439	325	23.8	*	16.8	23.0	30.2	32.7	*	8,538
Unplanned hysterectomy	1,374,439	476	34.8	*	17.2	23.7	45.9	69.7	110.0	8,395
Admission to intensive care unit	1,374,439	1,544	113.0	110.2	106.9	92.3	112.8	157.0	200.0	8,395
Unplanned operating room procedure following delivery	1,374,439	4,361	319.2	273.9	279.2	308.5	346.2	365.6	427.4	8,395
Black 5										
Maternal transfusion	342,515	821	243.7	175.5	225.6	245.4	258.2	373.9	353.2	5,617
Third or fourth degree perineal laceration	342,515	1,741	516.8	885.2	501.5	444.1	407.0	367.0	327.0	5,617
Ruptured uterus	342,515	285	84.6	82.2	88.2	70.1	89.6	96.9	*	5,622
Unplanned hysterectomy	342,515	139	41.3	*	25.6	38.6	57.4	121.2	*	5,617
Admission to intensive care unit	342,515	905	268.6	226.0	214.2	237.3	331.7	422.3	627.9	5,617
Unplanned operating room procedure following delivery	342,515	1,083	321.5	321.2	287.2	299.2	326.3	502.0	327.0	5,617
Hispanic 6										
Maternal transfusion	765,764	1,401	183.8	203.3	177.3	153.1	190.5	216.0	307.0	3,561
Third or fourth degree perineal laceration	765,764	4,469	586.3	861.5	653.1	523.3	478.3	441.5	369.5	3,561
Ruptured uterus	765,764	129	16.9	*	14.8	14.6	25.7	*	*	3,586
Unplanned hysterectomy	765,764	275	36.1	*	16.2	25.8	58.1	87.2	130.8	3,561
Admission to intensive care unit	765,764	1,567	205.6	225.6	165.4	178.5	233.1	261.7	409.3	3,561
Unplanned operating room procedure following delivery	765,764	1,028	134.9	124.0	113.0	124.4	165.5	161.0	216.0	3,561

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

1 Total number of births to residents of areas reporting specified maternal morbidity.

2 No response reported for maternal morbidity item; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth (0.6 percent). See "Technical Notes".

3 Includes other races not shown and origin not stated.

4 Excludes births to residents of the revised reporting area occurring in Oklahoma. See "Technical Notes."

5 Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1997 Office of Management and Budget standards; see "Technical Notes." Data by race are non-Hispanic and exclude mothers reporting multiple races.

6 Includes all persons of Hispanic origin of any race.

NOTE: Includes California, Colorado, Delaware, Florida, Georgia, Idaho, Indiana, Iowa, Kansas, Kentucky, Michigan, Montana, Nebraska, New Hampshire, New Mexico, New York, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, and Wyoming.