

Addendum to the 2010 User Guide for the Natality Public Use File

Introduction

This document serves as an addendum to the User Guide to the 2010 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 76.4 percent of all U.S. births in 2010. 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 15.8 percent for the reporting area (**Table I**), two areas (Delaware and the District of Columbia) 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 76.4 percent of all U.S. births in 2010. 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 12** for 2010 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 76.4 percent of all U.S. births in 2010. See the 2011 User Guide for a detailed definition of the WIC program and instructions for data collection, editing and computation. See **Documentation Table 13** for 2010 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 76.4 percent of all U.S. births in 2010. 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 14**. 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 76.4 percent of all U.S. births in 2010. 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 25 states, representing 48.2 percent of all U.S. births in 2010. 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 15** for 2010 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 76.4 percent of all U.S. births in 2010. See the 2011 User Guide for a detailed definition of BMI and instructions for calculation, editing and computation. See **Documentation Table 16** for 2010 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 76.4 percent of all U.S. births in 2010. 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 76.4 percent of all U.S. births in 2010. 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 76.4 percent of all U.S. births in 2010. 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 64.8 percent of all U.S. births in 2010. 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 17** for 2010 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 76.4 percent of all U.S. births in 2010. 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 – 23 states and the District of Columbia, representing 56.0 percent of 2010 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 18** for 2010 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 76.4 percent of all U.S. births in 2010, 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 19** for 2010 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 76.4 percent of all U.S. births in 2010, for all items but third or fourth degree perineal laceration, which is flagged as “not reported” for Delaware and Maryland. See the 2011 User Guide for detailed definitions and instructions for calculation, editing and computation. See **Documentation Table 20** for 2010 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 76.4 percent of U.S. births in 2010. Control totals are as follows: 10-minute Apgar score was collected for 1.2 percent (35,525) of births in the reporting area in 2010; an additional 1.1 percent (34,426) 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 and Delaware, representing 63.4 percent of all U.S. births in 2010. See the 2011 User Guide for a detailed definition of infant breastfed and instructions for calculation, editing and computation.

See **Documentation Table 13** for 2010 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 2010—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:

- Mother’s pre-pregnancy weight/Mother’s weight at delivery– Data for these items and the derived weight gain item for this state should be used with caution.
- Multiple data items – the following data items for Delaware should be used with caution. These items have been excluded from **Documentation Tables 13 and 20**.
 - Maternal morbidity – Perineal laceration
 - Is the infant being breastfed at discharge?

District of Columbia

- Several data items (date of last live birth, trial of labor, and infant breastfed) have high not stated values and should be used with caution. See **Table I**.

Georgia:

- All tobacco use items – Reliable data on tobacco use were not available for Georgia for 2010. Data for these items for this state should be used with caution and have been excluded from **Documentation Table 17**.

Maryland:

- 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.
- Perineal laceration – Reliable data for this item were not available for Maryland for 2010.

Data for these items for this state should be used with caution and have been excluded from **Documentation Table 20**.

New Mexico:

- Principle source of payment - This item for New Mexico has a high not stated value, 27.2 percent, and these data should be used with caution. See **Table I**.
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Nevada:

- Principle source of payment - This item for Nevada has a high not stated value, 23.1 percent, and these data should be used with caution. See **Table I**.

Table I. Birth records for which data were not stated and resident births occurring in unrevised states: Total of 33 reporting states, the District of Columbia and New York City, 2010

[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	0.5	0.5	15.8	2.9	4.4	4.3	2.5	1.2	1.2	2.7	5.3
California	0.1	0.1	11.7	2.6	5.4	3.4	1.1	1.0	1.0	0.3	0.8
Colorado 4	0.0	0.0	10.0	1.3	2.0	1.7	3.9	0.2	0.2	0.4	5.0
Delaware 8 9 10	0.2	0.2	35.2	0.8	1.1	1.8	1.8	0.4	0.4	0.6	5.6
District of Columbia	3.5	3.5	30.6	11.5	8.6	11.0	6.1	8.0	8.0	8.9	28.5
Florida	0.2	0.2	17.5	1.6	6.0	4.5	1.0	---	---	0.5	2.3
Georgia	0.2	0.2	24.0	22.8	21.6	22.2	10.7	---	---	11.3	10.4
Idaho	0.0	0.0	11.7	0.2	0.3	0.3	0.7	0.2	0.1	0.3	1.3
Illinois	0.3	0.6	16.6	3.8	5.2	3.7	4.7	1.0	1.0	3.2	6.4
Indiana	0.0	0.0	16.6	0.3	1.0	0.9	0.5	0.2	0.2	0.3	2.2
Iowa	0.9	0.9	15.5	1.0	1.1	1.4	1.4	1.0	1.0	1.0	1.5
Kansas	0.0	0.1	12.2	0.6	1.3	1.2	0.3	0.4	0.4	0.9	1.5
Kentucky	0.6	0.6	21.8	1.4	1.6	3.2	1.1	0.9	0.9	1.0	2.1
Maryland 9	1.2	1.2	20.2	3.3	3.0	5.1	2.7	3.7	3.7	8.2	18.2
Michigan	0.2	0.2	17.4	2.0	4.6	3.1	3.5	---	---	0.4	2.4
Missouri	0.2	1.6	20.1	1.1	1.3	3.7	2.1	1.2	1.2	8.2	7.3
Montana	0.1	0.1	10.7	6.8	3.0	3.6	5.4	0.7	0.7	2.4	2.5
Nebraska	0.1	0.1	13.6	0.3	1.1	1.8	0.4	0.1	0.1	2.1	4.8
Nevada	0.2	0.2	19.2	1.6	2.0	5.9	1.2	2.2	2.2	23.1	4.4
New Hampshire	7.9	7.9	17.1	9.8	12.0	11.8	10.2	9.6	9.6	8.5	9.8
New Mexico	0.3	0.3	19.7	1.3	5.3	3.5	8.0	1.5	1.4	27.2	7.2
New York (excluding NYC)	1.8	1.8	14.6	3.3	5.0	3.4	4.4	1.9	1.9	2.1	13.4
New York City	0.4	0.4	14.8	1.3	1.8	3.1	1.3	0.5	0.5	1.1	10.8
North Dakota	1.8	1.8	11.9	2.6	2.9	2.6	5.6	1.9	1.8	4.2	5.1
Ohio	1.2	1.2	19.7	2.2	4.5	6.5	2.2	1.8	1.9	4.0	7.5
Oklahoma	1.6	1.6	17.6	2.0	2.5	3.1	2.2	1.9	1.9	2.0	4.2
Oregon	0.0	0.0	10.9	0.5	1.2	2.1	2.1	0.9	0.9	0.5	2.5
Pennsylvania	0.9	0.9	9.6	2.2	6.0	8.7	2.3	2.7	3.0	2.9	11.8
South Carolina	2.4	2.4	29.9	4.1	3.7	3.8	4.0	5.0	4.9	2.9	7.6
South Dakota	0.5	0.5	14.1	0.8	1.3	1.7	1.4	1.2	1.1	0.8	5.0
Tennessee	0.4	0.5	18.0	2.0	2.6	5.7	0.5	0.9	0.9	5.4	7.1
Texas	0.1	0.1	15.0	0.3	0.8	0.5	0.2	0.1	0.1	0.2	3.2
Utah	0.1	0.1	9.8	2.3	2.8	3.3	6.5	0.4	0.4	3.9	1.2
Vermont	0.7	0.7	11.1	1.1	2.1	1.7	1.5	1.2	1.2	0.8	3.8
Washington	0.0	0.0	14.7	3.3	5.1	3.3	7.6	0.9	0.9	1.0	6.1
Wyoming	0.0	0.1	18.6	1.9	1.2	1.4	0.4	6.7	6.8	0.7	8.9

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 33 reporting states, the District of Columbia and New York City, 2010-Con.

[By place of residence]					
Area	Pregnancy risk factors	Type of infertility treatment 6	Infections present	Maternal morbidity	Infants breastfed at discharge 7
Percentage					
Total of reporting areas 3	0.9	0.9	1.1	1.0	4.1
California	0.1	0.1	0.1	0.1	---
Colorado 4	0.1	0.1	0.1	0.1	0.1
Delaware 8 9 10	0.2	0.4	0.2	0.2	---
District of Columbia	4.8	4.8	4.8	4.4	44.0
Florida	0.4	---	1.3	0.3	0.9
Georgia	4.2	4.2	5.5	5.0	25.8
Idaho	0.1	---	0.2	0.1	0.2
Illinois	1.4	1.4	1.6	1.5	2.3
Indiana	0.0	0.1	0.0	0.0	0.2
Iowa	0.9	1.0	0.9	0.9	6.1
Kansas	0.1	0.1	0.1	0.0	0.6
Kentucky	0.9	---	1.0	0.8	2.1
Maryland 9	1.4	1.6	1.4	1.4	12.9
Michigan	1.3	---	1.9	1.4	1.9
Missouri	0.2	0.3	0.2	0.2	8.0
Montana	0.1	0.1	0.9	0.4	5.9
Nebraska	0.4	---	0.5	0.3	0.2
Nevada	0.2	0.2	0.2	0.2	6.7
New Hampshire	7.9	---	8.9	10.3	9.0
New Mexico	0.3	0.4	2.9	0.3	7.0
New York (excluding NYC)	2.2	2.3	2.8	2.8	3.7
New York City	1.1	1.1	1.0	1.5	2.2
North Dakota	1.8	1.8	1.8	1.8	6.1
Ohio	2.8	2.8	1.2	2.4	5.0
Oklahoma	1.6	1.7	1.6	1.6	3.3
Oregon	0.0	0.1	0.0	0.1	9.3
Pennsylvania	0.9	---	0.9	0.9	2.2
South Carolina	2.4	---	2.4	2.4	2.9
South Dakota	0.6	0.6	0.6	0.5	0.8
Tennessee	0.4	---	0.4	0.4	5.7
Texas	0.1	0.1	0.1	0.1	0.2
Utah	0.1	0.9	0.1	0.1	0.1
Vermont	0.9	1.3	1.5	0.9	1.3
Washington	0.6	---	1.0	1.0	1.4
Wyoming	0.1	0.2	0.1	0.1	0.9

---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 District of Columbia, Florida, Illinois, Michigan, Missouri, New Hampshire, Pennsylvania, Texas, and Vermont 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.

8 Reliable data on steroids not available for Delaware for 2010 (See "Technical notes").

9 Reliable data on perineal laceration not available for Delaware and Maryland for 2010 (See "Technical notes").

10 Reliable data on breastfeeding not available for Delaware for 2010 (See "Technical notes").

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 12. Live births by interval since last live birth, by age and race and Hispanic origin of mother: Total of 33 reporting states and the District of Columbia, 2010

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						
0-3 months (plural deliveries)	2.5	3.5	1.9	2.2	2.6	3.1	4.4
4-11 months	1.5	7.0	2.9	1.3	0.8	0.6	0.4
12-17 months	8.9	27.5	15.3	8.3	5.8	4.7	3.5
18-23 months	12.8	22.8	17.3	13.0	11.2	9.1	6.7
24-35 months	23.5	25.7	27.4	23.8	23.5	19.3	14.7
36-47 months	15.5	9.6	17.0	16.1	15.8	14.1	11.5
48-59 months	10.0	2.9	9.7	11.1	10.1	9.8	8.6
60-71 months	6.8	0.6	4.8	8.0	7.1	7.3	6.9
72 months and over	18.5	0.2	3.8	16.1	23.1	32.0	43.2
	Number						
All births 2	1,843,373	55,174	370,550	551,455	522,899	275,014	68,281
Not stated 3	164,630	6,726	31,035	45,681	46,306	27,241	7,641
White 4							
	Percent						
0-3 months (plural deliveries)	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4-11 months	2.9	4.1	2.0	2.4	3.0	3.6	5.4
12-17 months	1.2	6.8	2.6	1.1	0.7	0.5	0.4
18-23 months	8.4	29.1	15.7	8.2	5.6	4.8	3.8
24-35 months	14.2	23.2	18.8	15.1	12.9	10.5	8.2
36-47 months	27.0	25.1	29.1	27.8	28.1	23.1	17.8
48-59 months	16.5	8.6	16.5	16.4	17.5	16.0	13.1
60-71 months	9.5	2.5	8.7	10.0	9.7	10.0	9.1
72 months and over	5.9	0.5	3.9	6.6	5.9	6.9	6.8
	14.5	0.2	2.6	12.2	16.7	24.6	35.3
	Number						
All births 2	912,786	16,020	157,662	278,672	283,856	141,709	34,867
Not stated 3	66,494	1,410	10,547	18,240	20,752	12,131	3,414
Black 4							
	Percent						
0-3 months (plural deliveries)	2.7	4.1	2.6	2.6	2.7	2.8	3.1
4-11 months	2.6	7.8	4.0	2.0	1.4	0.9	0.6
12-17 months	11.6	27.8	17.2	9.8	7.4	5.3	3.6
18-23 months	12.0	21.3	16.5	10.8	8.9	7.3	4.6
24-35 months	18.9	23.8	24.8	17.7	15.5	13.6	11.7
36-47 months	13.7	10.4	16.3	14.6	12.2	10.6	9.7
48-59 months	9.6	3.5	9.3	11.6	9.5	8.7	7.8
60-71 months	6.9	0.9	4.8	9.3	7.8	7.2	7.0
72 months and over	21.8	0.2	4.4	21.6	34.6	43.5	51.9
	99.8	99.8	99.9	100.0	100.0	99.9	100.0
	Number						
All births 2	250,192	13,316	70,359	73,629	55,699	29,143	8,046
Not stated 3	33,597	2,289	8,112	9,259	7,842	4,672	1,423
Hispanic 5							
	Percent						
0-3 months (plural deliveries)	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4-11 months	1.6	2.8	1.4	1.4	1.6	1.9	2.2
12-17 months	1.6	6.6	2.6	1.3	0.9	0.7	0.4
18-23 months	8.6	26.0	13.3	7.5	5.5	4.5	3.0
24-35 months	10.9	23.5	15.6	10.1	8.3	7.0	4.7
36-47 months	19.6	27.2	26.5	19.4	16.5	13.6	9.9
48-59 months	14.7	10.1	18.1	16.1	13.3	11.0	9.3
60-71 months	11.0	3.0	11.3	13.0	10.9	9.4	7.6
72 months and over	8.2	0.6	6.2	10.1	9.2	7.9	7.1
	23.9	0.2	4.9	21.2	33.7	44.1	55.8
	Number						
All births 2	521,827	22,386	120,651	159,862	131,499	70,477	16,952
Not stated 3	37,289	1,918	8,110	11,070	9,505	5,308	1,378

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 (0.5 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, District of Columbia, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Missouri, Montana, Nebraska, New Hampshire, Nevada, New Mexico, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, and Wyoming.

Table 13. 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 33 reporting states and the District of Columbia, 2010

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	3,055,884	1,434,266	48.2	81.3	68.5	43.9	31.2	29.2	29.5	77,222
Infant was being breastfed at discharge 4	2,534,322	1,827,925	75.2	63.1	68.7	77.4	81.0	81.1	80.7	105,139
White 5										
Mother received WIC food for herself during this pregnancy	1,573,540	514,204	33.3	77.1	59.1	29.1	16.6	14.0	14.1	28,816
Infant was being breastfed at discharge 4	1,426,217	1,048,143	75.8	60.0	68.1	78.0	81.3	80.8	81.1	43,371
Black 5										
Mother received WIC food for herself during this pregnancy	407,522	265,897	67.0	81.9	75.9	64.2	54.5	48.7	47.9	10,940
Infant was being breastfed at discharge 4	376,627	213,766	60.4	49.0	55.0	62.9	69.0	72.0	71.8	22,634
Hispanic 6										
Mother received WIC food for herself during this pregnancy	799,928	561,587	71.6	85.7	79.5	69.1	62.4	60.2	60.7	15,923
Infant was being breastfed at discharge 4	540,913	431,060	82.4	77.8	80.4	83.5	85.2	85.2	84.5	17,807

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 (0.5 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, District of Columbia, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Mexico, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, and Wyoming.

Table 14. Time of birth, by day of week of birth and race and Hispanic origin of mother: Total of 33 reporting states and the District of Columbia, 2010

[Percents are number of live births with specified time of birth per 100 live births in specified group]

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	16.3	21.4	13.0	14.9	15.3	15.2	15.9	22.4
6:00am-11:59am	28.4	27.2	28.7	28.7	28.6	28.2	29.5	26.7
12:00pm-5:59pm	32.2	28.0	33.8	33.4	33.2	33.2	32.6	28.2
6:00pm-11:59pm	23.1	23.4	24.4	23.1	23.0	23.4	22.0	22.7
				Number				
Total 2	3,055,884	283,604	462,134	508,885	501,122	495,400	484,831	319,908
Not stated 3	15,801	1,391	2,391	2,731	2,638	2,568	2,475	1,607
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	21.3	12.0	13.9	14.3	14.2	15.0	22.4
6:00am-11:59am	28.2	26.7	28.7	28.6	28.4	27.9	29.7	26.1
12:00pm-5:59pm	33.1	28.1	34.9	34.5	34.2	34.3	33.5	28.2
6:00pm-11:59pm	23.3	23.9	24.4	23.1	23.1	23.6	21.8	23.3
				Number				
Total 2	1,573,540	136,187	243,157	267,335	262,231	259,249	252,290	153,091
Not stated 3	1754	180	243	262	282	317	272	198
Black 4				Percent				
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12:00am-5:59am	17.7	22.1	14.6	16.3	16.6	16.7	17.5	22.9
6:00am-11:59am	27.8	26.8	28.2	28.1	27.9	27.9	28.2	26.7
12:00pm-5:59pm	31.3	27.6	32.6	32.2	32.4	32.2	31.7	28.0
6:00pm-11:59pm	23.3	23.4	24.6	23.3	23.1	23.3	22.6	22.4
				Number				
Total 2	407,522	40,704	59,695	66,738	66,060	64,616	64,097	45,612
Not stated 3	221	25	26	24	27	42	45	32
Hispanic 5				Percent				
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12:00am-5:59am	17.0	21.1	13.9	15.7	16.1	16.1	16.6	22.1
6:00am-11:59am	29.0	28.0	29.1	29.4	29.4	28.9	29.9	27.7
12:00pm-5:59pm	31.3	28.2	32.8	32.1	31.8	32.1	31.7	28.4
6:00pm-11:59pm	22.7	22.7	24.1	22.8	22.7	23.0	21.8	21.8
				Number				
Total 2	799,928	78,826	118,923	130,252	128,825	127,623	124,978	90,501
Not stated 3	1,124	120	171	192	146	188	176	131

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 (0.5 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, District of Columbia, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Mexico, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, and Wyoming.

Table 15. Principal source of payment for the delivery, by age and race and Hispanic origin of mother:
Total of 33 reporting states and the District of Columbia, 2010

[Percents are number of live births with specified source of payment per 100 live births in specified group]

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	44.9	76.0	66.4	41.1	27.4	25.1	25.9
Private insurance	45.8	14.9	22.8	49.3	64.2	66.6	65.4
Self-pay	4.4	4.1	4.4	4.5	4.3	4.6	5.0
Other	5.0	5.1	6.3	5.2	4.0	3.8	3.7
				Number			
Total 2	3,055,884	287,888	728,907	866,867	730,017	354,202	88,003
Not stated 3	81,547	7,679	19,040	23,391	19,404	9,509	2,524
White 4							
				Percent			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Medicaid	33.0	73.2	59.5	29.3	16.1	13.6	14.2
Private insurance	59.7	20.0	31.0	63.1	78.0	80.4	79.0
Self-pay	2.9	2.0	3.0	3.0	2.8	3.1	4.1
Other	4.3	4.8	6.4	4.5	3.1	2.8	2.7
				Number			
Total 2	1,573,540	105,476	341,592	475,924	414,496	189,201	46,851
Not stated 3	31,144	2,075	6,711	9,660	8,158	3,614	926
Black 4							
				Percent			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Medicaid	65.0	79.7	77.7	63.0	48.5	40.9	39.2
Private insurance	26.9	13.5	14.8	28.8	42.4	49.8	50.7
Self-pay	3.3	2.6	2.7	3.2	4.1	4.7	5.1
Other	4.8	4.1	4.9	5.1	5.0	4.6	4.9
				Number			
Total 2	407,522	61,092	127,754	101,600	71,247	35,855	9,974
Not stated 3	12,089	1,874	3,673	2,987	2,147	1,096	312
Hispanic 5							
				Percent			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Medicaid	61.4	77.2	71.2	58.4	50.2	47.9	49.5
Private insurance	24.4	10.3	14.4	26.7	35.3	38.0	37.2
Self-pay	8.2	7.2	7.9	8.5	8.6	8.5	7.8
Other	6.0	5.4	6.5	6.3	5.9	5.6	5.5
				Number			
Total 2	799,928	105,639	215,248	215,321	161,391	82,629	19,700
Not stated 3	19,789	2,552	5,255	5,545	3,933	2,006	498

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 (0.5 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, District of Columbia, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Mexico, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, and Wyoming.

Table 16. Maternal pre-pregnancy body mass index (BMI), by age and race and Hispanic origin of mother: Total of 33 reporting states and the District of Columbia, 2010

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)	4.0	7.5	5.2	3.5	2.9	2.5	2.2
Normal weight (BMI of 18.5 to less than 25)	47.7	55.6	46.4	46.2	48.1	47.0	45.5
Overweight (BMI of 25.0 to less than 30.0)	25.3	22.1	24.7	25.8	25.8	26.5	27.8
Obese (BMI = 30.0 and over)	23.0	14.8	23.6	24.4	23.3	24.0	24.5
	Number						
Total ³	3,055,884	287,888	728,907	8,666,867	730,017	354,202	88,003
Not stated ⁴	162,593	14,767	37,522	4,420	39,088	21,160	5,851
					2,404.6		
White ⁵							
	Percent						
Underweight (BMI less than 18.5)	4.1	9.0	5.9	3.6	2.8	2.4	2.2
Normal weight (BMI of 18.5 to less than 25)	50.7	56.3	48.3	49.6	52.1	51.1	50.6
Overweight (BMI of 25.0 to less than 30.0)	23.8	20.4	23.2	24.2	24.0	24.4	25.6
Obese (BMI = 30.0 and over)	21.5	14.3	22.6	22.5	21.1	22.0	21.6
	Number						
Total ³	1,573,540	105,476	341,592	475,924	414,496	189,201	46,851
Not stated ⁴	53,821	3,189	10,717	15,192	14,609	7,851	2,263
Black ⁵							
	Percent						
Underweight (BMI less than 18.5)	3.5	6.2	4.5	2.9	1.9	1.4	1.1
Normal weight (BMI of 18.5 to less than 25)	37.6	53.1	41.2	33.4	30.1	27.9	26.0
Overweight (BMI of 25.0 to less than 30.0)	27.0	23.1	25.6	27.6	29.5	30.9	32.1
Obese (BMI = 30.0 and over)	31.9	17.7	28.7	36.2	38.5	39.9	40.8
	Number						
Total ³	407,522	61,092	127,754	101,600	71,247	35,855	9,974
Not stated ⁴	31,137	4,577	9,407	7,617	5,613	3,014	909
Hispanic ⁶							
	Percent						
Underweight (BMI less than 18.5)	3.0	6.7	4.1	2.2	1.5	1.2	1.1
Normal weight (BMI of 18.5 to less than 25)	43.3	56.5	45.8	41.2	38.6	36.5	33.6
Overweight (BMI of 25.0 to less than 30.0)	29.1	23.2	27.2	30.0	31.5	33.2	34.6
Obese (BMI = 30.0 and over)	24.6	13.6	23.0	26.6	28.3	29.2	30.7
	Number						
Total ³	799,928	105,639	215,248	215,321	161,391	82,629	19,700
Not stated ⁴	49,280	5,329	12,442	13,686	10,810	5,648	1,365

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 (0.5 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, District of Columbia, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Mexico, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, and Wyoming.

Table 17. Mothers who smoked for the three months before pregnancy and anytime during pregnancy and those who quit before pregnancy and during pregnancy, by age and race and Hispanic origin of mother: Total of 30 reporting states and the District of Columbia, 2010

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	11.9	15.6	18.3	12.2	7.7	5.9	5.5
First trimester	9.0	11.9	14.0	9.1	5.5	4.4	4.4
Second trimester	7.7	9.8	12.0	7.8	4.8	3.9	3.9
Third trimester	7.3	9.3	11.4	7.5	4.6	3.7	3.7
Smoked anytime during pregnancy	9.2	12.3	14.4	9.3	5.7	4.5	4.5
Quit before pregnancy 2	24.1	22.6	22.4	24.8	27.6	24.9	19.7
Quit during pregnancy 3	20.3	24.7	20.8	19.3	18.6	17.9	17.2
White 4							
Three months before	17.8	32.7	30.0	17.0	10.3	8.3	7.6
First trimester	13.6	23.5	23.5	12.9	7.4	6.2	6.1
Second trimester	11.8	21.8	20.5	11.2	6.5	5.5	5.4
Third trimester	11.3	20.6	19.6	10.8	6.3	5.3	5.2
Smoked anytime during pregnancy	13.9	26.6	24.1	13.1	7.6	6.4	6.2
Quit before pregnancy 2	22.6	19.9	20.4	23.8	27.3	24.2	19.1
Quit during pregnancy 3	18.6	22.5	18.9	17.7	17.2	16.8	15.6
Black 4							
Three months before	10.6	7.2	12.0	12.6	9.9	7.8	7.4
First trimester	8.1	5.2	9.0	9.6	7.7	6.3	6.3
Second trimester	6.8	4.0	7.4	8.2	6.6	5.6	5.6
Third trimester	6.4	3.8	6.9	7.8	6.2	5.3	5.3
Smoked anytime during pregnancy	8.4	5.4	9.4	10.0	8.0	6.5	6.6
Quit before pregnancy 2	23.4	26.8	24.9	23.3	21.3	18.0	14.4
Quit during pregnancy 3	23.8	30.3	26.0	22.0	21.1	18.3	19.2
Hispanic 5							
Three months before	3.1	3.4	4.2	3.2	2.3	1.7	1.6
First trimester	1.9	2.0	2.6	2.0	1.4	1.0	1.0
Second trimester	1.4	1.3	1.9	1.5	1.1	0.9	0.9
Third trimester	1.3	1.2	1.8	1.4	1.0	0.8	0.8
Smoked anytime during pregnancy	2.0	2.1	2.7	2.1	1.4	1.1	1.1
Quit before pregnancy 2	38.7	40.8	38.8	37.3	39.4	38.4	35.1
Quit during pregnancy 3	32.6	39.9	34.3	31.1	27.7	25.3	23.5

All races 1	Number						
Total	2,592,816	243,003	613,072	735,923	623,244	302,393	75,181
Not stated three months before 6	31,746	2,900	7,301	8,561	7,689	4,174	1,121
Not stated during pregnancy 6	31,725	2,874	7,240	8,574	7,735	4,198	1,131
Quit before pregnancy 2							
Smokers	305,348	37,399	110,747	88,338	47,193	17,608	4,063
Unknown if quit	513	56	158	135	105	49	10
Quit during pregnancy 3							
Smokers	235,848	29,516	87,364	67,416	34,775	13,439	3,338
Unknown if quit	401	53	119	100	75	43	11
White 4							
Total	1,339,479	88,390	288,280	405,296	355,410	162,019	40,084
Not stated three months before 6	7,802	630	1,891	2,257	1,830	923	271
Not stated during pregnancy 6	7,750	600	1,832	2,272	1,843	925	278
Quit before pregnancy 2							
Smokers	235,878	28,680	85,735	68,587	36,521	13,347	3,008
Unknown if quit	282	27	83	89	57	21	5
Quit during pregnancy 3							
Smokers	184,787	23,304	69,039	52,865	26,870	10,236	2,473
Unknown if quit	249	34	68	64	51	28	4
Black 4							
Total	293,159	43,771	91,581	73,151	51,430	25,899	7,327
Not stated three months before 6	3,887	595	1,208	926	685	380	93
Not stated during pregnancy 6	3,891	591	1,199	913	700	394	94
Quit before pregnancy 2							
Smokers	30,487	3,076	10,842	9,079	4,991	1,965	534
Unknown if quit	119	13	33	26	26	18	3
Quit during pregnancy 3							
Smokers	24,230	2,346	8,486	7,211	4,060	1,653	474
Unknown if quit	80	7	27	21	10	11	4
Hispanic 5							
Total	711,298	96,961	193,549	190,706	141,005	71,883	17,194
Not stated three months before 6	5,382	697	1,415	1,427	1,106	606	131
Not stated during pregnancy 6	5,415	685	1,430	1,442	1,114	612	132
Quit before pregnancy 2							
Smokers	21,994	3,218	8,062	6,087	3,139	1,223	265
Unknown if quit	64	8	29	11	9	6	1
Quit during pregnancy 3							
Smokers	14,024	1,994	5,119	3,943	1,994	787	187
Unknown if quit	31	5	12	3	7	2	2

- 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 (0.5 percent). See "Technical Notes."

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

Documentation Table 18. Infertility treatment and type of treatment, by age and race and Hispanic origin of mother: Total of 33 reporting states and the District of Columbia, 2010

[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	3,055,884	40,052	13.2	0.2	1.8	9.2	19.5	30.9	67.5	27,643
Pregnancy resulted from infertility treatment ⁵	2,241,292	31,761	14.3	0.2	2.0	9.9	20.6	32.9	72.9	20,060
Fertility-enhancing drugs, artificial insemination, or intrauterine insemination ^{5 6}	2,241,292	17,048	7.7	*	1.5	6.8	11.7	15.4	25.8	21,215
Assisted reproductive technology ^{5 6}	2,241,292	15,999	7.2	*	0.4	3.1	9.7	19.5	53.0	21,217
White ⁷										
Pregnancy resulted from infertility treatment ⁴	1,573,540	30,991	19.8	*	3.0	13.9	27.0	42.7	89.6	6,093
Pregnancy resulted from infertility treatment ⁵	1,067,279	24,150	22.7	*	3.6	15.9	30.0	47.7	101.0	4,895
Fertility-enhancing drugs, artificial insemination, or intrauterine insemination ^{5 6}	1,067,279	13,489	12.7	*	2.8	11.2	17.5	23.2	36.4	5,791
Assisted reproductive technology ^{5 6}	1,067,279	11,560	10.9	*	0.6	4.8	13.7	27.2	72.0	5,793
Black ⁷										
Pregnancy resulted from infertility treatment ⁴	407,522	1,692	4.2	*	0.5	2.6	7.6	14.9	29.8	4,587
Pregnancy resulted from infertility treatment ⁵	272,787	1,377	5.1	*	0.5	3.0	8.9	17.6	34.5	3,731
Fertility-enhancing drugs, artificial insemination, or intrauterine insemination ^{5 6}	272,787	618	2.3	*	0.3	1.8	4.4	7.0	11.9	3,826
Assisted reproductive technology ^{5 6}	272,787	774	2.9	*	*	1.1	4.8	11.8	22.8	3,826
Hispanic ⁸										
Pregnancy resulted from infertility treatment ⁴	799,928	2,866	3.6	*	0.7	2.6	5.6	9.6	24.2	3,249
Pregnancy resulted from infertility treatment ⁵	679,505	2,370	3.5	*	0.7	2.5	5.5	9.3	23.7	2,746
Fertility-enhancing drugs, artificial insemination, or intrauterine insemination ^{5 6}	679,505	1,259	1.9	*	0.4	1.7	3.1	4.5	8.2	2,840
Assisted reproductive technology ^{5 6}	679,505	1,187	1.8	*	0.1	0.9	2.5	5.5	17.0	2,840

* 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 (0.5 percent). See "Technical Notes".

³ Includes other races not shown and origin not stated.

⁴ Includes California, Colorado, Delaware, District of Columbia, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Missouri, Montana, Nebraska, New Hampshire, Nevada, New Mexico, New York, North Dakota, Ohio, Oklahoma, 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, District of Columbia, Georgia, Illinois, Indiana, Iowa, Kansas, Maryland, Missouri, Montana, Nevada, New Mexico, New York, North Dakota, Ohio, Oklahoma, 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 19. Infections present and/or treated during this pregnancy, by age and race and Hispanic origin of mother: Total of 33 reporting states, 2010

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							
Gonorrhea	3,055,884	7,637	252.6	764.8	445.4	162.2	83.5	58.6	51.8	32,159
Syphilis 4	2,989,529	1,577	53.3	70.5	70.2	44.0	39.1	49.2	83.7	32,116
Chlamydia	3,055,884	51,922	1,717.2	5,348.7	3,122.3	1,078.7	478.3	344.8	275.2	32,159
Hepatitis B	3,055,884	6,232	206.1	76.5	134.3	214.4	251.1	312.2	343.1	32,159
Hepatitis C	3,055,884	6,107	202.0	87.0	211.7	242.9	192.8	181.4	253.3	32,159
White 5										
Gonorrhea	1,573,540	1,989	127.0	377.7	236.6	95.2	54.5	47.8	49.3	7,514
Syphilis 4	1,533,932	355	23.3	29.1	33.7	21.4	17.7	19.7	*	7,506
Chlamydia	1,573,540	16,817	1,073.9	3,884.3	2,268.8	693.0	300.2	216.7	225.2	7,514
Hepatitis B	1,573,540	1,141	72.9	42.9	75.9	70.5	71.5	82.3	115.8	7,514
Hepatitis C	1,573,540	4,337	276.9	134.5	330.2	325.3	239.6	214.0	302.5	7,514
Black 5										
Gonorrhea	407,522	4,207	1,046.6	2,316.4	1,451.2	651.0	345.2	211.9	*	5,563
Syphilis 4	404,629	750	187.9	192.2	206.4	153.7	154.6	213.7	420.3	5,563
Chlamydia	407,522	19,614	4,879.6	11,038.1	6,761.9	3,015.7	1,440.5	1,020.2	640.4	5,563
Hepatitis B	407,522	1,359	338.1	138.0	219.2	374.8	501.5	559.5	742.0	5,563
Hepatitis C	407,522	515	128.1	66.5	99.3	147.5	152.0	189.3	284.6	5,563
Hispanic 6										
Gonorrhea	799,928	1,049	132.0	258.8	196.8	102.4	66.7	32.9	*	5,026
Syphilis 4	780,470	354	45.7	44.1	47.0	38.3	46.0	54.8	*	5,020
Chlamydia	799,928	12,294	1,546.6	3,465.1	2,342.9	1,094.8	573.8	404.6	230.2	5,026
Hepatitis B	799,928	574	72.2	52.3	71.5	75.7	71.1	79.2	127.9	5,026
Hepatitis C	799,928	756	95.1	48.5	88.3	113.6	97.3	110.9	133.0	5,026

* 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 (0.5 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, District of Columbia, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Mexico, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, and Wyoming.

Table 20. Maternal morbidity, by age and race and Hispanic origin of mother: Total of 33 reporting states and the District of Columbia, 2010

[Rates are number of live births with specified morbidity per 100,000 live births in specified group]

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	3,055,884	7,401	244.6	256.2	233.2	227.4	240.4	271.9	397.0	30,290
Third or fourth degree perineal laceration 4	2,970,719	25,324	860.9	986.3	791.3	982.7	878.4	654.5	502.4	29,207
Ruptured uterus	3,055,884	799	26.4	15.1	20.5	26.4	28.2	39.7	43.7	30,290
Unplanned hysterectomy	3,055,884	1,114	36.8	10.9	13.3	32.3	42.4	83.1	130.0	30,290
Admission to intensive care unit	3,055,884	4,713	155.8	171.0	131.0	128.9	148.8	231.9	327.9	30,290
Unplanned operating room procedure following delivery	3,055,884	9,240	305.4	247.1	268.3	306.4	322.2	361.9	426.9	30,290
White 5										
Maternal transfusion	1,573,540	4,075	260.2	295.3	260.6	241.7	249.7	276.3	394.8	7,557
Third or fourth degree perineal laceration 4	1,534,529	15,978	1,046.3	1,195.4	993.6	1,222.5	1,035.4	752.0	575.2	7,498
Ruptured uterus	1,573,540	392	25	*	17.9	25.5	25.2	39.3	45.1	7,557
Unplanned hysterectomy	1,573,540	549	35.1	*	12.6	27.7	35.9	81.3	126.6	7,557
Admission to intensive care unit	1,573,540	1,778	113.5	134.3	102.6	91.0	102.1	169.5	251.0	7,557
Unplanned operating room procedure following delivery	1,573,540	5,672	362.2	325.8	333.2	351.9	366.8	419.3	489.2	7,557
Black 5										
Maternal transfusion	407,522	1,103	274.0	225.7	247.4	279.8	309.2	307.5	476.5	4,911
Third or fourth degree perineal laceration 4	380,963	1,750	465.3	802.4	470.9	396.1	377.0	309.7	167.7	4,861
Ruptured uterus	407,522	150	37.3	*	31.7	41.8	42.5	64.9	*	4,911
Unplanned hysterectomy	407,522	171	42.5	*	*	41.8	63.8	104.4	212.9	4,911
Admission to intensive care unit	407,522	907	225.3	180.9	168.1	222.1	258.1	369.5	506.9	4,911
Unplanned operating room procedure following delivery	407,522	1,628	404.4	317.0	349.7	424.3	477.9	493.6	588.0	4,911
Hispanic 6										
Maternal transfusion	799,928	1,584	198.9	224.2	183.3	181	193.7	241	296.1	3,612
Third or fourth degree perineal laceration 4	788,238	4,408	561.7	871.5	619.5	519.7	451.0	387.0	352.3	3,485
Ruptured uterus	799,928	191	24.0	*	16.3	21.5	33.0	34.1	*	3,612
Unplanned hysterectomy	799,928	267	33.5	*	9.8	35.5	48.6	80.3	*	3,612
Admission to intensive care unit	799,928	1,616	202.9	211.8	156.7	169.4	220.5	323.8	377.8	3,612
Unplanned operating room procedure following delivery	799,928	1,213	152.3	127.3	120.8	153.5	174.4	203.3	224.6	3,612

* 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 (0.5 percent). See "Technical Notes".

3 Includes other races not shown and origin not stated.

4 Excludes data for Delaware and Maryland (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, District of Columbia, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Mexico, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, and Wyoming.