

User Guide to the 2017 Fetal Death Public Use File



2017 Fetal Death Data Set

User's Guide

ACKNOWLEDGMENTS

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Questions on the documentation or substantive questions concerning the data should be directed to the Reproductive Statistics Branch, Division of Vital Statistics, NCHS, 3311 Toledo Road, Hyattsville, MD 20782-2003 (1-800) 232-4636.

Department of Health and Human Services
Centers for Disease Control and Prevention
National Center for Health Statistics
Division of Vital Statistics

2017 Fetal Death Data Set

Contents

Introduction

Control count of records

List of data elements and locations

Record layout and definition of item and codes

Documentation tables

Table A. 2017 Fetal Deaths: Control Count Totals for Revised Data Items

Table B. 39 data items cut from the fetal mortality file beginning with the 2014 data year

Table C. Period of gestation and weight minimums at which fetal death reporting is required, by reporting areas: United States, 2017

Table D. Implementation of the 2003 U.S. Standard Report of Fetal Death: Each state and territory, New York City, and the District of Columbia, 2003-2017

Table E. Percent of fetal death records on which specified items were not stated: United States and each state and territory, New York City, and the District of Columbia, 2017

External links

Fetal and Perinatal Mortality, United States, 2006

http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60_08.pdf

Trends in Fetal and Perinatal Mortality in the United States, 2006-2012

<http://www.cdc.gov/nchs/data/databriefs/db169.pdf>

Fetal and Perinatal Mortality: United States, 2013

http://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64_08.pdf

Lack of Change in Perinatal Mortality in the United States, 2014–2016

<https://www.cdc.gov/nchs/data/databriefs/db316.pdf>

Births: Final Data for 2017

https://www.cdc.gov/nchs/data/nvsr/nvsr67/nvsr67_08-508.pdf.

User Guide to the 2016 Period Linked Birth/Infant Death Public Use File
ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/DVS/periodlinked/LinkPE16Guide.pdf
(the 2017 file is forthcoming)

Introduction

The User Guide for the 2017 public use fetal death file is abridged to include the basic information needed for data analysis. The 2014-2017 data files include items comparable to both the 1989 revision of the U.S. Standard Report of Fetal Death (unrevised) and the 2003 revision of the U.S. Standard Report of Fetal Death (revised) and items unique to the 2003 revision (see below for more detail). Please see the Guide to Completing the Facility Worksheets for the Certificate of Live Birth and the Report of Fetal Death (2003 Revision) for detailed definitions and instructions for data items that are collected from the Facility Worksheet¹.

Changes to the National Fetal Death File

For 2007-2013, the fetal death data file only included items that were comparable across the 1989 and 2003 revisions of the U.S. Standard Report of Fetal Death². Beginning with the 2014 data year, the file was redesigned with substantial changes from previous years in both content and format. These changes are outlined below:

- Data items specific to the 2003 revision of the U.S. Standard Report of Fetal Death (revised items) are included in the 2017 file (see table A)
- In an effort to improve data quality, 39 data items were dropped from the national fetal death file beginning with the 2014 data file (see table B for listing of the items dropped).
- Beginning with the 2014 data year, NCHS transitioned to a new standard for estimating the gestational age at delivery for both births and fetal deaths. The

new measure – the obstetric estimate of gestation at delivery (OE) – replaces the measure based on the date of the last normal menses (LMP). Accordingly, the OE is now used for all reporting purposes for fetal deaths. See discussion on “Changes to gestational age measurement”.

- Cause of fetal death data for 2015-2017 (for a subset of revised states with acceptable levels of data quality) are scheduled for release in early 2019. The files will be updated to include cause of death data once available.

U.S. fetal death data

United States fetal death data represent fetal deaths registered in the 50 states, the District of Columbia, and New York City. The majority of states require reporting fetal deaths of 20 weeks of gestation or more, or 350 grams delivery weight (roughly equivalent to 20 weeks), or some combination of the two (see table C). The Centers for Disease Control and Prevention’s National Center for Health Statistics (NCHS) receives these data as electronic files, prepared from individual records processed by each registration area, through the Vital Statistics Cooperative Program.

Fetal death data for the U.S. are limited to events occurring within the United States to U.S. residents and nonresidents. Fetal deaths to nonresidents of the United States are excluded from all tabulations by place of residence. Fetal deaths occurring to U.S. citizens outside of the United States are not included in this file. Most of the Documentation Tables included in this User’s Guide are restricted to fetal deaths occurring at 20 weeks of gestation or more.

Availability of geographic detail

The U.S. micro-data fetal death files for 2005 through 2017 do not include geographic detail (e.g., mother's state of residence). Tabulations of fetal death data by state-level geographic detail and many other demographic and health items are available in the CDC WONDER web application (<http://wonder.cdc.gov/>) for data years 2005-2016.

Additionally, certain geographic level data may also be available upon request: See “NCHS Data Release and Access Policy for Micro-data and Compressed Vital Statistics Files”, available at: http://www.cdc.gov/nchs/nvss/dvs_data_release.htm .

The 2017 territories file includes data on fetal deaths occurring in American Samoa, Guam, the Northern Marianas, and Puerto Rico (the Virgin Islands did not report data for 2017). It includes limited geographical data such as information identifying individual territories and counties (or their equivalent) with populations of 100,000 or more by place of occurrence and residence.

Downloadable files

Fetal death public use data files from 1982 to 2017, including User Guides, U.S. Fetal Death Data, and U.S. Territories Fetal Death Data are available for downloading directly from the NCHS website at: http://www.cdc.gov/nchs/data_access/Vitalstatsonline.htm.

The 1989 and 2003 Revisions of the U.S. Report of Fetal Death

This data file includes data based on both the 1989 revision of the U.S. Standard Report of Fetal Death (unrevised) and the 2003 revision of the U.S. Standard Report of Fetal Death (revised). The 2003 revision is described in detail elsewhere. (See the 2003 Revision website at: http://www.cdc.gov/nchs/nvss/vital_certificate_revisions.htm).

Forty-eight states, the District of Columbia, New York City, Guam, the Northern Marianas, and Puerto Rico implemented the revised fetal death report as of January 1, 2017 (see table D). Additionally, New York (excluding New York City) implemented the revised fetal death report in 2017, but after January 1. The three unrevised jurisdictions are Connecticut, American Samoa, and the Virgin Islands. Together, the reporting areas revised as of January 1, 2017 represent 96.5 percent of all U.S. fetal deaths of 20 weeks and over. Revised data are combined with unrevised data from the remaining areas to create US data.

Incomplete national reporting: The use of reporting flags

The 2017 national fetal death file includes items that are not reported by all vital statistics jurisdictions (e.g., items specific to the 2003 revision of the US Standard Report of Fetal Death). Reporting flags were developed to help the user more readily identify the correct number of fetal deaths for items with less than full national reporting. Reporting flags are available for many items in the file, and positions for reporting flags are noted along with each data item in the file layout.

Translating “blanks”

In the 2017 fetal death file, for data items which are not reported by all states, fetal deaths to residents of a revised state occurring in an unrevised state, and fetal deaths to residents in an unrevised state occurring in a revised state, are represented by “blanks.” Blanks should be treated as “unknowns” for tabulations. In sum, the correct use of reporting flags and translation of blanks will result in an accurate tally of fetal deaths for items with incomplete national reporting. For an example of SAS code that may be used to incorporate the correct use of reporting flags and the translation of blanks, see below.

Example of SAS code using reporting flags (and translating blanks)

The example below is for the revised “place of delivery” item, which is reported by the revised reporting area (48 states, New York City and the District of Columbia in 2017).

Sample SAS program

```
01    DATA work;
02          INFILE 'c:fet16us.dat' LRECL=3050;
03          INPUT
04              oe_tabflg   10
05              bfacil 34
06              restatus 131
07              f_facility 409;
08
09          /*Include if 20 weeks gestation or more*/
10          IF oe_tabflg EQ 2;
11          /*Exclude foreign residents*/
```

```

12         IF restatus NE 4;
13         /*Select reporting area*/
14         IF f_facility=1;
15         /*Convert blanks to unknown*/
16         IF bfacil =. THEN bfacil =9;
17
18  PROC FREQ;
19         TABLE bfacil;
20  RUN;

```

In this example, “oe_tabflg” is used to select fetal deaths of 20 weeks gestation or more. Also, “restatus” is used to exclude fetal deaths to foreign residents (this is standard practice for all NCHS tabulations). As well in this example, blanks are represented by numeric values SAS code = (.). However, for some items in the file, e.g., pregnancy risk factors, blanks are represented by character values for which the SAS code is empty quotes (‘ ’).

Level of Unknowns for selected comparable and revised items

Information on the completeness of reporting of fetal death (with a stated or presumed period of gestation of 20 weeks or more) data is shown in Table E, which presents a listing of items and the percentage of records that were not stated for each reporting area: all 50 states, the District of Columbia, New York City, Puerto Rico, Guam, American Samoa, the Northern Marianas, and the Virgin Islands. Fetal deaths to residents of states

revised as of January 1, 2017 which occurred in unrevised states are classified as unknowns for items exclusive to the 2003 revision (0.03 percent for the revised area).

In comparison with other vital statistics records, fetal death records generally have more not-stated responses for individual items. As high levels of missing data is a data quality concern, beginning with the 2017 data year, jurisdictions with a 50% or greater unknown level for a particular item are flagged as not reporting that item.

Changes in reporting requirements for 2017

Arkansas –Arkansas amended its fetal death reporting requirement effective July 2017.

The new law requires that a fetal death occurring at 12 or more weeks gestation be reported. The increase in the number of fetal deaths in Arkansas for 2017 may be at least partly related to this change in reporting.

Changes to gestational age measurement

Beginning with the 2014 data year, NCHS transitioned to the use of the obstetric estimate of gestation at delivery (OE) as the standard measure for estimating gestational age³. The OE replaced the measure based on the date of the last normal menses (LMP)³. This transition was made because of the increasing evidence of the greater validity of the OE compared with the LMP-based measure^{3,4}. Accordingly, for 2017, gestational age data (including how deaths at 20 and greater weeks are identified using the tabulation flag located at position 10 in the file layout) presented in this User Guide and in future reports are based on the OE. Gestational age estimates differ somewhat between the OE- and

LMP-based measures and LMP-based data are presented for comparison purposes in Documentation table 1. Note that national data based on the OE are available only from data year 2007 forward.

Classification of fetal deaths at 20 weeks of gestation or greater

To maximize the comparability of data by year and by state, most tables published by NCHS are based on fetal deaths occurring at gestations of 20 weeks or more. These tabulations also include fetal deaths for which gestation is not stated for those states requiring reporting at 20 weeks of gestation or more only. Fetal deaths of not-stated gestation are excluded for states requiring reporting of all products of conception, except for those with a stated birthweight of 350 grams or more⁵. In 2017, this rule was applied to the following reporting areas: Arkansas, Colorado, Georgia, Hawaii, New York (including New York City), Oklahoma, Pennsylvania, Rhode Island, Virginia, American Samoa, and the Virgin Islands (see Table C). The summation of these rules results in the creation of the tabulation flag (position 10), which, when invoked, produces the number of records with a stated or presumed period of gestation of 20 weeks or more.

Impact of change on gestational age measurement in counts and rates of fetal deaths

The change to the obstetric estimate as the standard measure for estimating gestational age has resulted in a discontinuity in identifying deaths at 20 weeks or greater compared with the LMP-based measure for data years 2014 and later. For 2017, use of the OE-based tabulation flag resulted in 22,827 records with a stated or presumed period of gestation of 20 weeks or more. This number is slightly lower than what would be

produced if a LMP based tabulation flag were used (22,998 records with a stated or presumed period of gestation of 20 weeks or more) (Documentation table 1). Overall, use of the different gestational age measures resulted in a difference of 171 fetal deaths at 20 weeks of gestation or more for 2017. Differences in early and late fetal mortality, however, were larger. After proportional distribution (the process by which fetal deaths with not-stated gestational age are allocated to the 20– 27 week and 28 weeks or more categories according to the proportion of fetal deaths with stated gestational age that fall into each category) was performed³, use of the OE-based measure (or tabulation flag) to identify early and later fetal deaths resulted in 11,861 early fetal deaths and 10,966 late fetal deaths. Use of the LMP-based measure (or tabulation flag) resulted in 11,300 early fetal deaths and 11,698 late fetal deaths. In sum, the OE-tabulation flag produced 561 more early fetal deaths and 732 fewer late fetal deaths than the LMP-based tabulation flag.

For 2017, the OE-based total U.S. fetal mortality rate was 5.89 fetal deaths at 20 weeks of gestation or more per 1,000 live births and fetal deaths, similar to the LMP-based rate of 5.93 (Documentation table 1). However, the OE-based early fetal mortality rate (3.07) was higher than the LMP-based rate (2.92). Conversely, the OE-based late fetal mortality rate (2.84) was lower than the LMP-based rate (3.02) (Documentation table 1).

State Specific Issues

- *Colorado – Date of first prenatal care visit* – Colorado did not differentiate between no prenatal care and unknown prenatal care, resulting in 0 records reporting no care and inaccurate levels of no care and unknown for the state.
- *Virgin Islands*-In earlier User Guides, the Virgin Islands was incorrectly reported as having been revised for 2015 and 2016. The Virgin Islands continues to use the 1989 revision of the U.S. Standard Report of Fetal Death.

The items below had unknown levels of 50% or higher and were flagged as not reporting for the following jurisdictions in 2017:

- Father’s date of birth (all components) - Alabama, the District of Columbia, Georgia, New Jersey, Tennessee, Virginia, New York City, Guam, and the Northern Marianas Islands.
- Date of last normal menses (all components) - The District of Columbia and Rhode Island.
- Risk factors in this pregnancy (all) - Rhode Island and Washington.
- Receipt of WIC (Women, Infants, & Children) food for mother during this pregnancy - Rhode Island.
- Estimated time of fetal death - The District of Columbia, Hawaii, Missouri, Nevada, Oklahoma, Rhode Island, Tennessee, New York City, Guam, and Puerto Rico.
- Mother’s education - Rhode Island.
- Date of first prenatal care visit - Rhode Island.
- Mother’s height - Rhode Island.

- Mother's pre-pregnancy weight - Rhode Island.
- Mother's pre-pregnancy body mass index (BMI) - Rhode Island.
- Date of last live birth (all components) - Rhode Island and Washington.
- Cigarette smoking before and during pregnancy (all items) - Hawaii and Rhode Island.
- Fetal presentation - Rhode Island and Guam.
- Maternal morbidity (all items) - Rhode Island.

References

1. National Center for Health Statistics. Guide to completing the facility worksheets for the certificate of live birth and report of fetal death (2003 revision). 2016 update. Available from:
<https://www.cdc.gov/nchs/data/dvs/GuidetoCompleteFacilityWks.pdf>.
2. National Center for Health Statistics. User guide for the 2013 fetal death public use file. Hyattsville, MD. Available from:
ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/DVS/fetaldath/2013FetalUserGuide.pdf.
3. MacDorman MF, Gregory ECW: Fetal and perinatal mortality: United States, 2013. National vital statistics reports; vol 64 no 8. Hyattsville, MD: National Center for Health Statistics. 2015.
4. Martin JA, Osterman MJK, Kirmeyer SE, Gregory ECW. Measuring gestational age in vital statistics data: Transitioning to the obstetric estimate. National vital statistics reports; vol 64 no 5. Hyattsville, MD: National Center for Health Statistics. 2015.
5. National Center for Health Statistics. User guide for the 2006 fetal death public use file. Hyattsville, MD. Available from:
ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/DVS/fetaldath/2006FetalUserGuide.pdf.

Control Count of Records

File Characteristics: Fetal Public Use File 2017

All files:

Record format: Blocked, Fixed, Format
Code scheme: Numeric/Alphabetic/Blank
Record length: 3050

Record counts

U.S. file record count:

Counts of all fetal deaths:

| | |
|----------------------|--------|
| Record count | 49,170 |
| By occurrence | 49,170 |
| By residence | 49,089 |
| To foreign residents | 81 |

Counts of 20 weeks or more:

| | |
|----------------------|--------|
| Record count | 22,860 |
| By occurrence | 22,860 |
| By residence | 22,827 |
| To foreign residents | 33 |

Counts of less than 20 weeks:

| | |
|----------------------|--------|
| Record count | 26,310 |
| By occurrence | 26,310 |
| By residence | 26,262 |
| To foreign residents | 48 |

U.S. territories file record count:

Counts of all fetal deaths:

| | |
|----------------------|-----|
| Record count | 313 |
| By occurrence | 313 |
| By residence | 309 |
| To foreign residents | 4 |

Counts of 20 weeks or more:

| | |
|----------------------|-----|
| Record count | 310 |
| By occurrence | 310 |
| By residence | 306 |
| To foreign residents | 4 |

Counts of less than 20 weeks:

| | |
|----------------------|---|
| Record count | 3 |
| By occurrence | 3 |
| By residence | 3 |
| To foreign residents | 0 |

2017 LIST OF DATA ELEMENTS AND LOCATIONS

| <u>Data Items</u> | <u>Locations</u> |
|--|--------------------------------------|
| 1. General | |
| a) Tabulation flags (gestational age) | 10 |
| b) Data year | 11-14 |
| c) Resident status | 131 |
| 2. Prenatal Care | |
| a) Month began | 202-203 |
| 3. Fetus | |
| a) Sex | 316 |
| b) Plurality | 301 |
| c) Weight at delivery | 349-355 |
| d) Gestational age | 340-344(NCHS Standard item), 331-335 |
| e) Month/year of delivery | 11-16 |
| f) Time of delivery | 21-24 |
| g) Day of week of delivery | 25 |
| 4. Mother | |
| a) Age | 86-90 |
| b) Race | 132-137 |
| c) Education | 145 |
| d) Hispanic origin | 139-144 |
| 5. Pregnancy History | |
| a) Live birth order | 187 |
| b) Birth interval | 197-201 |
| 6. Father | |
| a) Age | 177-180 |
| 7. Other Items | |
| a) Attendant at delivery | 283 |
| b) Place of delivery | 34-35, 52 |
| c) WIC receipt | 229 |
| 8. Medical and Health Data | |
| a) Method of delivery | 274-280 |
| b) Medical risk factors | 257-267, 269-272 |
| c) Other risk factors | |
| i. Tobacco | 230-238 |
| ii. Mother's pre-pregnancy body mass index (BMI) | 245-249 |
| d) Complications of labor and delivery | 273 |
| e) Maternal morbidity | 281-282 |
| 9. Residence reporting flags | 372-440 |

**2017 Fetal Death
Public Use Record Layout**

| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|-----------|--|----------------------------|-------|--|--|
| 1-6 | 6 | FILLER | | | | | |
| 7 | 1 | VERSION | Version | | A,S | A S | State used the 2003 version of the US Standard Report of Fetal Death (Revised) State used the 1989 version of the US Standard Report of Fetal Death (Unrevised) |
| 8-9 | 2 | FILLER | | | | | |
| 10 | 1 | OE_TABFLG | Obstetric Estimate Tabulation Flag (Use with NCHS Standard item) | | A,S | 1 2 | Under 20 weeks (exclude) 20 weeks or more (include) |
| 11-14 | 4 | DOD_YY | Delivery Year | | A,S | 2014 | Year of delivery |
| 15-16 | 2 | DOD_MM | Delivery Month | | A,S | 01 02 03 04 05 06 07 08 09 10 11 12 | January February March April May June July August September October November December |
| 17-20 | 4 | FILLER | | | | | |
| 21-24 | 4 | DOD_TT | Delivery Time | c409 | A | 0000-2359 9999 | Time of Birth Not Stated |
| 25 | 1 | DOD_WK | Weekday | | A,S | 1 2 3 | Sunday Monday Tuesday |

* For the Version column (Vers) the following codes apply:

A 2003 Version of US Standard Birth Certificate

S 1989 Version of US Standard Birth Certificate

s 1989 Version of US Standard Birth Certificate but this element conforms to the 2003 standards

| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|-----------|---|----------------------------|-------|---------|---|
| | | | | | | 4 | Wednesday |
| | | | | | | 5 | Thursday |
| | | | | | | 6 | Friday |
| | | | | | | 7 | Saturday |
| 26-27 | 2 | OSTATE | Territory of Occurrence <i>(This item is available in the territory file only, geographic codes are not available in the U.S. file)</i> | | A,S | | |
| | | | <u>Territories</u> | | | AS | American Samoa |
| | | | | | | GU | Guam |
| | | | | | | MP | Northern Marianas |
| | | | | | | PR | Puerto Rico |
| | | | | | | VI | Virgin Islands |
| 28-29 | 2 | FILLER | | | | | |
| 30-32 | 3 | OCNTYFIPS | Occurrence FIPS County <i>(This item is available in the territory file only, geographic codes are not available in the U.S. file) Data are suppressed if population < 100,000</i> | | A,S | | |
| | | | | | | 000 | No county level geography |
| | | | | | | 001-998 | County of Occurrence (See Geographic Table) |
| | | | | | | 999 | County of less than 100,000 |
| 33 | 1 | OCNTYPOP | Occurrence Territory County Population <i>(This item is available in the territory file only, geographic codes are not available in the U.S. file)</i> | | A,S | | |
| | | | | | | 0 | County of 1,000,000 or more |
| | | | | | | 1 | County of 500,000 to 1,000,000 |
| | | | | | | 2 | County of 250,000 to 500,000 |
| | | | | | | 3 | County of 100,000 to 250,000 |

* For the Version column (Vers) the following codes apply:

A 2003 Version of US Standard Birth Certificate

S 1989 Version of US Standard Birth Certificate

s 1989 Version of US Standard Birth Certificate but this element conforms to the 2003 standards

| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|-------------|------------------------------------|----------------------------|-------|--------------------------------------|---|
| | | | | | | 9 | County less than 100,000 |
| 34 | 1 | BFACIL | Delivery Place (Revised) | 409 | A | 1 2 3 4 5 6 7 9 | Hospital Freestanding Birth Center Home (intended) Home (not intended) Home (unknown if intended) Clinic/Doctor's Office Other Unknown |
| 35 | 1 | UBFACIL | Delivery Place | | A,S | 1 2 3 4 5 9 | Hospital Freestanding Birthing Center Clinic / Doctor's Office Residence Other Unknown |
| 36-51 | 16 | FILLER | | | | | |
| 52 | 1 | BFACIL3 | Delivery Place Recode | | A,S | 1 2 3 | In Hospital Not in Hospital Unknown/not stated |
| 53-83 | 31 | FILLER | | | | | |
| 84 | 1 | MAGE_IMPFLG | Mother's Age Imputed | | A,S | Blank 1 | Age not imputed Age imputed |
| 85 | 1 | MAGE_REPFLG | Reported Age of Mother Flag | | A,S | Blank | Reported age not used |

* For the Version column (Vers) the following codes apply:

A 2003 Version of US Standard Birth Certificate

S 1989 Version of US Standard Birth Certificate

s 1989 Version of US Standard Birth Certificate but this element conforms to the 2003 standards

| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|-------|------------------------------------|----------------------------|-------|--------|--------------------|
| | | | | | | 1 | Reported age used |
| 86-87 | 2 | MAGER | Mother's Single Year of Age | 432 | A,S | 12 | 12 years and under |
| | | | | | | 13 | 13 years |
| | | | | | | 14 | 14 years |
| | | | | | | 15 | 15 years |
| | | | | | | 16 | 16 years |
| | | | | | | 17 | 17 years |
| | | | | | | 18 | 18 years |
| | | | | | | 19 | 19 years |
| | | | | | | 20 | 20 years |
| | | | | | | 21 | 21 years |
| | | | | | | 22 | 22 years |
| | | | | | | 23 | 23 years |
| | | | | | | 24 | 24 years |
| | | | | | | 25 | 25 years |
| | | | | | | 26 | 26 years |
| | | | | | | 27 | 27 years |
| | | | | | | 28 | 28 years |
| | | | | | | 29 | 29 years |
| | | | | | | 30 | 30 years |
| | | | | | | 31 | 31 years |
| | | | | | | 32 | 32 years |
| | | | | | | 33 | 33 years |
| | | | | | | 34 | 34 years |
| | | | | | | 35 | 35 years |
| | | | | | | 36 | 36 years |
| | | | | | | 37 | 37 years |
| | | | | | | 38 | 38 years |
| | | | | | | 39 | 39 years |
| | | | | | | 40 | 40 years |
| | | | | | | 41 | 41 years |
| | | | | | | 42 | 42 years |
| | | | | | | 43 | 43 years |
| | | | | | | 44 | 44 years |
| | | | | | | 45 | 45 years |
| | | | | | | 46 | 46 years |
| | | | | | | 47 | 47 years |
| | | | | | | 48 | 48 years |
| | | | | | | 49 | 49 years |
| | | | | | | 50 | 50 years and over |

* For the Version column (Vers) the following codes apply:

A 2003 Version of US Standard Birth Certificate

S 1989 Version of US Standard Birth Certificate

s 1989 Version of US Standard Birth Certificate but this element conforms to the 2003 standards

| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|-------------|---|----------------------------|-------|--|---|
| 88-89 | 2 | MAGER14 | Mother's Age Recode 14 | 432 | A,S | 01 03 04 05 06 07 08 09 10 11 12 13 14 | Under 15 Years 15 years 16 years 17 years 18 years 19 years 20-24 years 25-29 years 30-34 years 35-39 years 40-44 years 45-49 years 50-54 years |
| 90 | 1 | MAGER9 | Mother's Age Recode 9 | 432 | A,S | 1 2 3 4 5 6 7 8 9 | Under 15 years 15-19 years 20-24 years 25-29 years 30-34 years 35-39 years 40-44 years 45-49 years 50-54 years |
| 91-92 | 2 | MBCNTRY | Mother's Birth Country c409 <i>(This item is available in the territory file only, geographic codes are not available in the U.S. file)</i> | | A | AA-ZZ | See Geographic Documentation |
| 93-96 | 4 | FILLER | | | | | |
| 97 | 1 | MBSTATE_REC | Mother's Birth State Recode c409 | | A | 1 2 3 | Native born (50 U.S. States) Foreign born (includes territories) Unknown or Not Stated |
| 98-101 | 4 | FILLER | | | | | |

* For the Version column (Vers) the following codes apply:

A 2003 Version of US Standard Birth Certificate

S 1989 Version of US Standard Birth Certificate

s 1989 Version of US Standard Birth Certificate but this element conforms to the 2003 standards

| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|-------------|---|----------------------------|-------|--------|----------------------|
| 102-103 | 2 | MRSTATEPSTL | Mother's Residence Postal State <i>(This item is available in the territory file only, geographic codes are not available in the U.S. file)</i> | | A,S | | |
| | | | <u>United States</u> | | | AK | Alaska |
| | | | | | | AL | Alabama |
| | | | | | | AR | Arkansas |
| | | | | | | AZ | Arizona |
| | | | | | | CA | California |
| | | | | | | CO | Colorado |
| | | | | | | CT | Connecticut |
| | | | | | | DE | Delaware |
| | | | | | | DC | District of Columbia |
| | | | | | | FL | Florida |
| | | | | | | GA | Georgia |
| | | | | | | HI | Hawaii |
| | | | | | | ID | Idaho |
| | | | | | | IL | Illinois |
| | | | | | | IN | Indiana |
| | | | | | | IA | Iowa |
| | | | | | | KS | Kansas |
| | | | | | | KY | Kentucky |
| | | | | | | LA | Louisiana |
| | | | | | | MA | Massachusetts |
| | | | | | | MD | Maryland |
| | | | | | | ME | Maine |
| | | | | | | MI | Michigan |
| | | | | | | MN | Minnesota |
| | | | | | | MO | Missouri |
| | | | | | | MS | Mississippi |
| | | | | | | MT | Montana |
| | | | | | | NC | North Carolina |
| | | | | | | ND | North Dakota |
| | | | | | | NE | Nebraska |
| | | | | | | NH | New Hampshire |
| | | | | | | NJ | New Jersey |
| | | | | | | NM | New Mexico |
| | | | | | | NV | Nevada |
| | | | | | | NY | New York |
| | | | | | | OH | Ohio |
| | | | | | | OK | Oklahoma |

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A 2003 Version of US Standard Birth Certificate

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| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|-------|---------------------------|----------------------------|-------|--------|---------------------------|
| | | | | | | OR | Oregon |
| | | | | | | PA | Pennsylvania |
| | | | | | | RI | Rhode Island |
| | | | | | | SC | South Carolina |
| | | | | | | SD | South Dakota |
| | | | | | | TN | Tennessee |
| | | | | | | TX | Texas |
| | | | | | | UT | Utah |
| | | | | | | VA | Virginia |
| | | | | | | VT | Vermont |
| | | | | | | WA | Washington |
| | | | | | | WI | Wisconsin |
| | | | | | | WV | West Virginia |
| | | | | | | WY | Wyoming |
| | | | <u>Territories</u> | | | AS | American Samoa |
| | | | | | | GU | Guam |
| | | | | | | MP | Northern Marianas |
| | | | | | | PR | Puerto Rico |
| | | | | | | VI | Virgin Islands |
| | | | <u>Canadian Provinces</u> | | | AB | Alberta |
| | | | | | | BC | British Columbia |
| | | | | | | MB | Manitoba |
| | | | | | | NB | New Brunswick |
| | | | | | | NL | Newfoundland and Labrador |
| | | | | | | NT | Northwest Territories |
| | | | | | | NS | Nova Scotia |
| | | | | | | NU | Nunavut |
| | | | | | | ON | Ontario |
| | | | | | | PE | Prince Edward Island |
| | | | | | | QC | Quebec |
| | | | | | | SK | Saskatchewan |
| | | | | | | YT | Yukon Territory |
| | | | <u>Foreign</u> | | | XX | Foreign (Rest of world) |
| | | | | | | ZZ | Not Classifiable |

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| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|------------|--|----------------------------|-------|----------------------------|---|
| 104-106 | 3 | MRCNTYFIPS | Mother's FIPS County of Residence <i>(This item is available in the territory file only, geographic codes are not available in the U.S. file) Data are suppressed if population < 100,000</i> | A,s | | 000 001-998 999 | No county level geography County of residence (See Geographic Table) County of less than 100,000 |
| 107-111 | 5 | FILLER | | | | | |
| 112 | 1 | RCNTY_POP | Population of Residence County <i>(This item is available in the territory file only, geographic codes are not available in the U.S. file)</i> | | A,S | 0 1 2 3 9 Z | County of 1,000,000 or more County of 500,000 to 1,000,000 County of 250,000 to 500,000 County of 100,000 to 250,000 County less than 100,000 Foreign resident |
| 113-129 | 17 | FILLER | | | | | |
| 130 | 1 | RECTYPE | Record Type <i>(This item is available in the territory file only, geographic codes are not available in the U.S. file)</i> | | A,S | 1 2 | RESIDENT: State and county of occurrence and residence are the same. NONRESIDENT: State and county of occurrence and residence are different. |
| 131 | 1 | RESTATUS | Residence Status <u>United States</u> | | A,S | 1 2 | RESIDENT: State and county of occurrence and residence are the same. INTRASTATE NONRESIDENT: State of occurrence and residence are the same but county is different. |

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| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|---------|--------------------------------|----------------------------|-------|--------|---|
| | | | | | | 3 | INTERSTATE NONRESIDENT: State of occurrence and residence are different but both are one of the 50 US states or District of Columbia. |
| | | | | | | 4 | FOREIGN RESIDENT: The state of residence is not one of the 50 US states or District of Columbia. |
| | | | <u>Territories</u> | | | 1 | RESIDENT: State and county of occurrence and residence are the same. (Unique to Guam, all US residents are considered residents of Guam and thus are assigned 1.) |
| | | | | | | 2 | INTRATERRITORY NONRESIDENT: Territory of occurrence and residence are the same but county is different. |
| | | | | | | 3 | INTERTERRITORY RESIDENT: Territory of occurrence and residence are different but both are US Territories. |
| | | | | | | 4 | FOREIGN RESIDENT: The residence is not a US Territory. |
| 132-133 | 2 | MRACE31 | Mother's Race Recode 31 | 425 | A | 01 | White (alone) |
| | | | | | | 02 | Black (alone) |
| | | | | | | 03 | AIAN (American Indian or Alaskan Native) (alone) |
| | | | | | | 04 | Asian (alone) |
| | | | | | | 05 | NHOPI (Native Hawaiian or Other Pacific Islander) (alone) |
| | | | | | | 06 | Black And White |
| | | | | | | 07 | Black and AIAN |
| | | | | | | 08 | Black and Asian |
| | | | | | | 09 | Black and NHOPI |
| | | | | | | 10 | AIAN and White |
| | | | | | | 11 | AIAN and Asian |
| | | | | | | 12 | AIAN and NHOPI |
| | | | | | | 13 | Asian and White |
| | | | | | | 14 | Asian and NHOPI |
| | | | | | | 15 | NHOPI and White |
| | | | | | | 16 | Black, AIAN, and White |
| | | | | | | 17 | Black, AIAN, and Asian |
| | | | | | | 18 | Black, AIAN, and NHOPI |
| | | | | | | 19 | Black, Asian, and White |
| | | | | | | 20 | Black, Asian, and NHOPI |
| | | | | | | 21 | Black, NHOPI, and White |
| | | | | | | 22 | AIAN, Asian, and White |
| | | | | | | 23 | AIAN, NHOPI, and White |
| | | | | | | 24 | AIAN, Asian, and NHOPI |

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| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|----------|--|----------------------------|-------|--------|--------------------------------------|
| | | | | | | 25 | Asian, NHOPI, and White |
| | | | | | | 26 | Black, AIAN, Asian, and White |
| | | | | | | 27 | Black, AIAN, Asian, and NHOPI |
| | | | | | | 28 | Black, AIAN, NHOPI, and White |
| | | | | | | 29 | Black, Asian, NHOPI, and White |
| | | | | | | 30 | AIAN, Asian, NHOPI, and White |
| | | | | | | 31 | Black, AIAN, Asian, NHOPI, and White |
| 134 | 1 | MRACE6 | Mother's Race Recode 6 | 425 | A | | |
| | | | | | | 1 | White (alone) |
| | | | | | | 2 | Black (alone) |
| | | | | | | 3 | AIAN (alone) |
| | | | | | | 4 | Asian (alone) |
| | | | | | | 5 | NHOPI (alone) |
| | | | | | | 6 | More than one race |
| 135-136 | 2 | MRACE15 | Mother's Race Recode 15 | 425 | A | | |
| | | | | | | 01 | White (alone) |
| | | | | | | 02 | Black (alone) |
| | | | | | | 03 | AIAN (alone) |
| | | | | | | 04 | Asian Indian (alone) |
| | | | | | | 05 | Chinese (alone) |
| | | | | | | 06 | Filipino (alone) |
| | | | | | | 07 | Japanese (alone) |
| | | | | | | 08 | Korean (alone) |
| | | | | | | 09 | Vietnamese (alone) |
| | | | | | | 10 | Other Asian (alone) |
| | | | | | | 11 | Hawaiian (alone) |
| | | | | | | 12 | Guamanian (alone) |
| | | | | | | 13 | Samoan (alone) |
| | | | | | | 14 | Other Pacific Islander (alone) |
| | | | | | | 15 | More than one race |
| 137 | 1 | MRACEREC | Mother's Bridged Race Recode <u>United States and non-Puerto Rican Territories</u> | 439 | A,S | | |
| | | | | | | 1 | White |
| | | | | | | 2 | Black |
| | | | | | | 3 | American Indian or Alaskan Native |
| | | | | | | 4 | Asian or Pacific Islander |

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| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|--------------|--|----------------------------|-------|---|--|
| 138 | 1 | MRACEIMP | Mother's Race Imputed | | A,S | Blank 1 2 | Mother's race not imputed Unknown race imputed All other races, formerly coded 09, imputed. |
| 139-141 | 3 | FILLER | | | | | |
| 142 | 1 | UMHISP | Mother's Hispanic Origin | 424 | A,S | 0 1 2 3 4 5 9 | Non-Hispanic Mexican Puerto Rican Cuban Central or South American Other and Unknown Hispanic Origin unknown or not stated |
| 143 | 1 | MRACEHISP | Mother's Bridged Race/Hispanic Origin | 424 | A,S | 1 2 3 4 5 6 7 8 9 | Mexican Puerto Rican Cuban Central or South American Other and Unknown Hispanic Non-Hispanic White Non-Hispanic Black Non-Hispanic Other Races Origin unknown or not stated |
| 144 | 1 | SR_MRACEHISP | Mother's Race/Hispanic Origin | c425 | A | 1 2 3 4 5 6 7 8 | Non-Hispanic White (alone) Non-Hispanic Black (alone) Non-Hispanic AIAN (alone) Non-Hispanic Asian (alone) Non-Hispanic NHOPI (alone) Non-Hispanic more than one race Hispanic Origin unknown or not stated |

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| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|-------------|-----------------------------------|----------------------------|-------|--|--|
| 145 | 1 | MEDUC | Mother's Educ-Revised | 372 | A | 1 2 3 4 5 6 7 8 9 | 8 th grade or less 9 th through 12 th grade with no diploma High school graduate or GED completed Some college credit, but not a degree Associate degree (AA, AS) Bachelor's degree (BA, AB, BS) Master's degree (MA, MS, MEng, Med, MSW, MBA) Doctorate (PhD, EdD) or Professional degree (MD, DDS, DVM, LLB, JD) Unknown |
| 146-171 | 26 | FILLER | | | | | |
| 172 | 1 | FAGERPT_FLG | Father's Reported Age Used | | A,S | Blank 1 | Father's reported age not used Father's reported age used |
| 173-176 | 4 | FILLER | | | | | |
| 177-178 | 2 | FAGECOMB | Father's Combined Age | 426 | A,S | 09-98 99 | Father's combined age in years Unknown or not stated |
| 179-180 | 2 | FAGEREC11 | Father's Age Recode 11 | 426 | A,S | 01 02 03 04 05 06 07 08 09 10 11 | Under 15 years 15-19 years 20-24 years 25-29 years 30-34 years 35-39 years 40-44 years 45-49 years 50-54 years 55-98 years Not stated |
| 181-182 | 2 | PRIORLIVE | Prior Births Now Living | 440 | A,S | 00-30 | Number of children still living from previous live births. |

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| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|-----------|---|----------------------------|-------|--|---|
| | | | | | | 99 | Unknown or not stated |
| 183-184 | 2 | PRIORDEAD | Prior Births Now Dead | 440 | A,S | 00-30 99 | Number of children dead from previous live births. Unknown or not stated |
| 185-186 | 2 | FILLER | | | | | |
| 187 | 1 | LBO_REC | Live Birth Order Recode | 440 | A,S | 0-7 8 9 | Number of live birth order. 8 or more live births Unknown or not stated |
| 188-196 | 9 | FILLER | | | | | |
| 197-199 | 3 | ILLB_R | Interval Since Last Live Birth Recode | 427 | A | 000-003 004-300 888 999 | Plural delivery Months since last live birth Not applicable Unknown or not stated |
| 200-201 | 2 | ILLB_R11 | Interval Since Last Live Birth Recode 11 | 427 | A | 00 01 02 03 04 05 06 07 08 88 99 | Zero to 3 months (plural delivery) 4 to 11 months 12 to 17 months 18 to 23 months 24 to 35 months 36 to 47 months 48 to 59 months 60 to 71 months 72 months and over Not applicable Unknown or not stated |
| 202-203 | 2 | PRECARE | Month Prenatal Care Began (Revised) | 403 | A | 00 01-10 99 | No prenatal care Month prenatal care began Unknown or not stated |

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| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|-------------|---|----------------------------|-------|-----------------------|---|
| 204 | 1 | PRECARE_REC | Month Prenatal Care Began Recode (Revised) | 403 | A | 1 2 3 4 5 | 1 st to 3 rd month 4 th to 6 th month 7 th to final month No prenatal care Unknown or not stated |
| 205-228 | 24 | FILLER | | | | | |
| 229 | 1 | WIC | WIC | 377 | A | Y N U | Yes No Unknown or not stated |
| 230-231 | 2 | CIG_0 | Cigarettes Before Pregnancy | 405 | A | 00-97 98 99 | Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated |
| 232-233 | 2 | CIG_1 | Cigarettes 1st Trimester | 406 | A | 00-97 98 99 | Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated |
| 234-235 | 2 | CIG_2 | Cigarettes 2nd Trimester | 407 | A | 00-97 98 99 | Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated |
| 236-237 | 2 | CIG_3 | Cigarettes 3rd Trimester | 408 | A | 00-97 98 99 | Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated |
| 238 | 1 | CIG_REC | Cigarette Recode (Revised) | 374 | A | Y N U | Yes No Unknown or not stated |
| 239-242 | 4 | FILLER | | | | | |

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| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|--------------------------------------|---|----------------------------|-------|---------------------------------|---|
| 243-244 | 2 | M_Ht_In | Mother's Height in Inches | 375 | A | 30-78 99 | Height in inches Unknown or not stated |
| 245-248 | 4 | BMI | BMI (prepregnancy) | 375 | A | 13.0-69.9 99.9 | Body Mass Index Unknown or not stated |
| 249 | 1 | BMI_R | Body Mass Index Recode (prepregnancy) | 375 | A | 1 2 3 4 5 6 9 | Underweight <18.5 Normal 18.5-24.9 Overweight 25.0-29.9 Obesity I 30.0-34.9 Obesity II 35.0-39.9 Extreme Obesity III ≥ 40.0 Unknown or not stated |
| 250-252 | 3 | FILLER | | | | | |
| 253-255 | 3 | PWgt_R | Prepregnancy Weight Recode | 376 | A | 075-375 999 | Weight in pounds Unknown or not stated |
| 256 | 1 | FILLER | | | | | |
| 257-262 | 6 | <u>Risk Factors (Revised)</u> | | | A | | |
| | | | The checkbox items indented below follow this code structure: | | | | Y Yes N No U Unknown or not stated |
| 257 | 1 | RF_DIAB | Prepregnancy Diabetes | 378 | | | |
| 258 | 1 | RF_GEST | Gestational Diabetes | 379 | | | |
| 259 | 1 | RF_PHYP | Prepregnancy Hypertension | 380 | | | |
| 260 | 1 | RF_GHYP | Gestational Hypertension | 381 | | | |
| 261 | 1 | RF_ECLAM | Hypertension Eclampsia | 382 | | | |
| 262 | 1 | RF_INFTR | Infertility Treatment | 383 | | | |
| 263 | 1 | RF_FEDRG | Fertility Enhancing Drugs | 384 | A | Y N | Yes No |

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| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|---|--|----------------------------|-------|-------------------|---|
| | | | | | | X U | Not applicable Unknown or not stated |
| 264 | 1 | RF_ARTEC | Asst. Reproductive Technology 385 | | A | Y N X U | Yes No Not applicable Unknown |
| 265 | 1 | RF_CESAR | Previous Cesareans 386 | | A | Y N U | Yes No Unknown or not stated |
| 266-267 | 2 | RF_CESARN | Previous Cesareans Num 387 | | A | 00 01-30 99 | None Number of previous cesareans Unknown or not stated |
| 268 | 1 | FILLER | | | | | |
| 269-272 | 4 | <u>Risk Factors</u> The checkbox items indented below follow this structure: | | | | 1 2 9 | Yes No Unknown |
| 269 | 1 | URF_DIAB | Diabetes 411 | | A,S | | |
| 270 | 1 | URF_CHYPER | Chronic Hypertension 412 | | A,S | | |
| 271 | 1 | URF_PHYPER | Pregnancy Associated Hypertension 413 | | A,S | | |
| 272 | 1 | URF_ECLAMP | Eclampsia 414 | | A,S | | |
| 273 | | <u>Complications of Labor & Delivery</u> The checkbox items indented below follow this structure: | | | | 1 2 9 | Yes No Not stated |
| 273 | 1 | ULD_BREECH | Breech Delivery 415 | | A,S | | |
| 274-277 | 6 | <u>Method of Delivery (Revised)</u> | | | | | |
| 274 | 1 | ME_PRES | Fetal Presentation 388 | | A | 1 | Cephalic |

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| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|----------------------------------|--|-------------------------|-------|--------|--|
| | | | | | | 2 | Breech |
| | | | | | | 3 | Other |
| | | | | | | 9 | Unknown or not stated |
| 275 | 1 | ME_ROUT | Route & Method of Delivery | 389 | A | 1 | Spontaneous |
| | | | | | | 2 | Forceps |
| | | | | | | 3 | Vacuum |
| | | | | | | 4 | Cesarean |
| | | | | | | 9 | Unknown or not stated |
| 276 | 1 | ME_TRIAL | Trial of Labor Attempted | 390 | A | Y | Yes |
| | | | | | | N | No |
| | | | | | | X | Not applicable |
| | | | | | | U | Unknown or not stated |
| 277 | 1 | RDMETH_REC | Delivery Method Recode (Revised) | c386 | A | 1 | Vaginal (excludes vaginal after previous C section) |
| | | | | | | 2 | Vaginal after previous c-section |
| | | | | | | 3 | Primary C-section |
| | | | | | | 4 | Repeat C-section |
| | | | | | | 5 | Vaginal (unknown if previous c-section) (2003 Standard only) |
| | | | | | | 6 | C-section (unknown if previous c-section) (2003 Standard only) |
| | | | | | | 9 | Not stated |
| 278-279 | 2 | <u>Method of Delivery</u> | | | | | |
| | | | The checkbox items indented below follow this structure: | | | 1 | Yes |
| | | | | | | 2 | No |
| | | | | | | 9 | Unknown or not stated |
| 278 | 1 | UME_FORCP | Forceps | 416 | A,S | | |
| 279 | 1 | UME_VAC | Vacuum | 417 | A,S | | |
| 280 | 1 | DMETH_REC | Delivery Method Recode | 410 | A,S | 1 | Vaginal |
| | | | | | | 2 | C-section |
| | | | | | | 9 | Not stated |

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|----------|-----|----------|--|----------------------------|-------|----------------------------|--|
| 281-282 | 2 | | <u>Maternal Morbidity</u> The checkbox items indented below follow this structure: | | A | Y N U | Yes No Unknown or not stated |
| 281 | 1 | MM_RUPT | Ruptured Uterus | 391 | | | |
| 282 | 1 | MM_ICU | Admit to Intensive Care | 392 | | | |
| 283 | 1 | ATTEND | Attendant | 433 | A,S | 1 2 3 4 5 9 | Doctor of Medicine (MD) Doctor of Osteopathy (DO) Certified Nurse Midwife (CNM) Other Midwife Other Unknown or not stated |
| 284-300 | 17 | FILLER | | | | | |
| 301 | 1 | DPLURAL | Plurality Recode | | A,S | 1 2 3 4 5 | Single Twin Triplet Quadruplet Quintuplet or higher |
| 302 | 1 | FILLER | | | | | |
| 303 | 1 | IMP_PLUR | Plurality Imputed | | A,S | Blank 1 | Plurality is not imputed Plurality is imputed |
| 304-305 | 2 | FILLER | | | | | |
| 306 | 1 | FILLER | | | | | |
| 307-315 | 9 | FILLER | | | | | |

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|-------------------------|-----|------------|--|----------------------------|-------|--|---|
| 316 | 1 | SEX | Sex of Infant | | A,S | M F | Male Female |
| 317 | 1 | IMP_SEX | Sex Imputed Only where gestation is stated or presumed to be 20 weeks or more | | A,S | Blank 1 | Infant Sex not Imputed Infant Sex is Imputed |
| <u>Gestation</u> | | | | | | | |
| 318-319 | 2 | DLMP_MM | Last Normal Menses Month | 429 | A,S | 01 02 03 04 05 06 07 08 09 10 11 12 99 | January February March April May June July August September October November December Unknown or not stated |
| 320-321 | 2 | FILLER | | | | | |
| 322-325 | 4 | DLMP_YY | Last Normal Menses Year | 431 | A,S | nnnn 9999 | Year of last normal menses Unknown or not stated |
| 326-328 | 3 | FILLER | | | | | |
| 329 | 1 | GEST_IMP | Gestation Imputed Flag | | A,S | Blank 1 | Gestation is not imputed Gestation is imputed |
| 330 | 1 | OBGEST_FLG | Obstetric Estimate of Gestation Used Flag | | A,S | Blank 1 | Obstetric Estimate is not used Obstetric Estimate is used |
| 331-332 | 2 | COMBGEST | Gestation – Detail in Weeks | 404 | A,S | 02-47 99 | 2 nd through 47 th week of Gestation Unknown |

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| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|---------------|--|----------------------------|-------|--|--|
| 333-334 | 2 | GESTREC12 | Gestation Recode 12 | 404 | A,S | 01 02 03 04 05 06 07 08 09 10 11 12 | Under 16 weeks 16-19 weeks 20-23 weeks 24-27 weeks 28-31 weeks 32-33 weeks 34-36 weeks 37-38 weeks 39-40 weeks 41 weeks 42 weeks and over Unknown |
| 335 | 1 | GESTREC5 | Gestation Recode 5 | 404 | A,S | 1 2 3 4 5 | Under 20 weeks 20-23 weeks 24-27 weeks 28 weeks and over Unknown |
| 336-337 | 2 | OEGest_Unedt | Obstetric Gestation 373 | A,S | | 0-98 02-47 99 | Range of obstetric estimate of gestation - revised Range of clinical estimate of gestation - unrevised Unknown or not stated |
| 338 | 1 | FILLER | | | | | |
| 339 | 1 | COMBGEST_USED | Combined Gestation Used Flag | | A,S | blank 1 | Combined gestation not used Combined gestation used |
| 340-341 | 2 | OEGest_Comb | Obstetric Estimate Edited (NCHS Standard item) | 373 | A,S | 02-47 99 | Weeks of gestation Not stated |
| 342-343 | 2 | OEGest_R12 | Obstetric Estimate Recode12 (NCHS Standard item) | 373 | A,S | 01 02 03 04 05 06 07 08 | Under 16 weeks 16-19 weeks 20-23 weeks 24-27 weeks 28-31 weeks 32-33 weeks 34-36 weeks 37-38 weeks |

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| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|-----------|--|----------------------------|-------|-----------|-------------------------|
| | | | | | | 09 | 39-40 weeks |
| | | | | | | 10 | 41 weeks |
| | | | | | | 11 | 42 weeks and over |
| | | | | | | 12 | Unknown |
| 344 | 1 | OEGest_R5 | Obstetric Estimate Recode 5 (NCHS Standard item) | 373 | A,S | 1 | Under 20 weeks |
| | | | | | | 2 | 20-23 weeks |
| | | | | | | 3 | 24-27 weeks |
| | | | | | | 4 | 28 weeks and over |
| | | | | | | 5 | Unknown |
| 345-348 | 4 | FILLER | | | | | |
| 349-352 | 4 | DBWT | Birth Weight – Detail in Grams | | A,S | 0001-8165 | Number of grams |
| | | | | | | 9999 | Not stated birth weight |
| 353-354 | 2 | BWTR14 | Birth Weight Recode 14 | | A,S | 01 | 0249 grams or less |
| | | | | | | 02 | 0250 – 0349 grams |
| | | | | | | 03 | 0350 – 0499 grams |
| | | | | | | 04 | 0500 – 0999 grams |
| | | | | | | 05 | 1000 – 1499 grams |
| | | | | | | 06 | 1500 – 1999 grams |
| | | | | | | 07 | 2000 – 2499 grams |
| | | | | | | 08 | 2500 – 2999 grams |
| | | | | | | 09 | 3000 – 3499 grams |
| | | | | | | 10 | 3500 – 3999 grams |
| | | | | | | 11 | 4000 – 4499 grams |
| | | | | | | 12 | 4500 – 4999 grams |
| | | | | | | 13 | 5000 – 8165 grams |
| | | | | | | 14 | Unknown or Not Stated |
| 355 | 1 | BWTR4 | Birth Weight Recode 4 | | A,S | 1 | 1499 grams or less |
| | | | | | | 2 | 1500 – 2499 grams |

* For the Version column (Vers) the following codes apply:

A 2003 Version of US Standard Birth Certificate

S 1989 Version of US Standard Birth Certificate

s 1989 Version of US Standard Birth Certificate but this element conforms to the 2003 standards

| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|--|---|----------------------------|-------|------------------|--|
| | | | | | | 3 4 | 2500 - 8165 grams Unknown or not stated |
| 356 | 1 | FILLER | | | | | |
| 357 | 1 | ESTOFD | Estimated Time of Fetal Death | 435 | A | N L A U | At assessment, no labor At assessment, labor Labor, no assessment Unknown |
| 358 | 1 | AUTOPSY | Was Autopsy Performed? | 436 | A | Y N P | Yes No Planned |
| 359 | 1 | HISTOPF | Was Histological Placental Exam Performed? | 437 | A | Y N P | Yes No Planned |
| 360 | 1 | AUTOPF | Was Autop/Hist results used in cause? | 438 | A | Y N X | Yes No Not applicable |
| 361-371 | 11 | FILLER | | | | | |
| 372-438 | | <u>Flag File for Reporting Flags</u> | | | | | |
| | | The reporting flags indented below follow this coding structure: | | | | 0 1 | Not reporting Reporting |
| 372 | 1 | F_MEDUC | Education of Mother | | A | | |
| 373 | 1 | F_CLINEST | Obstetric Estimate of Gestation | | A,S | | |
| 374 | 1 | F_TOBACO | Tobacco Use | | A | | |
| 375 | 1 | F_M_HT | Mother's Height | | A | | |
| 376 | 1 | F_PWGT | Prepregnancy Weight | | A | | |
| 377 | 1 | F_WIC | WIC | | A | | |
| 378 | 1 | F_RF_PDIAB | Prepregnancy Diabetes | | A | | |
| 379 | 1 | F_RF_GDIAB | Gestational Diabetes | | A | | |
| 380 | 1 | F_RF_PHYPER | Prepregnancy Hypertension | | A | | |
| 381 | 1 | F_RF_GHYPER | Gestational Hypertension | | A | | |
| 382 | 1 | F_RF_ECLAMP | Hypertension Eclampsia | | A | | |

* For the Version column (Vers) the following codes apply:

A 2003 Version of US Standard Birth Certificate

S 1989 Version of US Standard Birth Certificate

s 1989 Version of US Standard Birth Certificate but this element conforms to the 2003 standards

| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|-----|----------------|---|----------------------------|-------|--------|------------|
| 383 | 1 | F_RF_INFT | Infertility Treatment | | A | | |
| 384 | 1 | F_RF_INFT_DRG | Fertility Enhance Drug | | A | | |
| 385 | 1 | F_RF_INFT_ART | Reproductive Technology | | A | | |
| 386 | 1 | F_RF_CESAR | Previous Cesarean | | A | | |
| 387 | 1 | F_RF_NCESAR | Number of Previous Cesareans | | A | | |
| 388 | 1 | F_MD_PRESENT | Fetal Presentation | | A | | |
| 389 | 1 | F_MD_ROUTE | Final Route and Method of Delivery | | A | | |
| 390 | 1 | F_MD_TRIAL | Trial of Labor Attempted | | A | | |
| 391 | 1 | F_MM_RUPTUR | Ruptured Uterus | | A | | |
| 392 | 1 | F_MM_ICU | Admission to Intensive Care | | A | | |
| 393-402 | 10 | FILLER | | | | | |
| 403 | 1 | F_MPCB | Month Prenatal Care Began | | A | | |
| 404 | 1 | F_CMBGST | Combined Gestation | | A,S | | |
| 405 | 1 | F_CIGS_0 | Cigarettes Before Pregnancy | | A | | |
| 406 | 1 | F_CIGS_1 | Cigarettes 1 st Trimester | | A | | |
| 407 | 1 | F_CIGS_2 | Cigarettes 2 nd Trimester | | A | | |
| 408 | 1 | F_CIGS_3 | Cigarettes 3 rd Trimester | | A | | |
| 409 | 1 | F_FACILITY | Facility | | A | | |
| 410 | 1 | DelMethRecF | Delivery Method Recode Flag | | A,S | | |
| 411 | 1 | F_URF_DIABETES | Diabetes Flag | | A,S | | |
| 412 | 1 | F_URF_CHYPER | Chron Hyper Flag | | A,S | | |
| 413 | 1 | F_URF_PHYPER | Preg Assoc Hyper Flag | | A,S | | |
| 414 | 1 | F_URF_ECLAMP | Eclampsia | | A,S | | |
| 415 | 1 | F_ULD_BREECH | Breech Flag | | A,S | | |
| 416 | 1 | F_U_FORCEP | Forceps Flag | | A,S | | |
| 417 | 1 | F_U_VACUUM | Vacuum Flag | | A,S | | |
| 418-423 | 6 | FILLER | | | | | |
| 424 | 1 | F_MORIGIN | Mother's Hispanic origin | | A,S | | |
| 425 | 1 | F_MRACE_R | Mother's Race (Revised) | | A | | |
| 426 | 1 | F_FAGE_u | Father's Age | | A,S | | |
| 427 | 1 | F_DLLB_MM | Last Live Birth Month (Revised) | | A | | |
| 428 | 1 | FILLER | | | | | |
| 429 | 1 | F_DLMP_MM | Last normal menses month | | A,S | | |
| 430 | 1 | FILLER | | | | | |
| 431 | 1 | F_DLMP_YY | Last normal menses year | | A,S | | |
| 432 | 1 | F_MAGE | Mother's Age | | A,S | | |
| 433 | 1 | F_ATTENDANT | Attendant | | A,S | | |
| 434 | 1 | FILLER | | | | | |
| 435 | 1 | F_ESTOFD | Estimated Time of Fetal Death (Revised) | | A | | |
| 436 | 1 | F_AUTOPSY | Autopsy (Revised) | | A | | |
| 437 | 1 | F_HISTOPF | Histological Placental Exam (Revised) | | A | | |

* For the Version column (Vers) the following codes apply:

A 2003 Version of US Standard Birth Certificate

S 1989 Version of US Standard Birth Certificate

s 1989 Version of US Standard Birth Certificate but this element conforms to the 2003 standards

| Position | Len | Field | Description | Reporting Flag Position | Vers* | Values | Definition |
|----------|------|------------|---|----------------------------|-------|--------|------------|
| 438 | 1 | F_AUTOPF | Autopsy/Histological Exam Used in Cause | | A | | |
| 439 | 1 | F_MRACEREC | Mother's Bridged Race Recode | | A,S | | |
| 440 | 1 | F_PLB | Number of previous live births | | A,S | | |
| 441-3050 | 2610 | FILLER | | | | | |

3050 **END OF RECORD**

* For the Version column (Vers) the following codes apply:

A 2003 Version of US Standard Birth Certificate

S 1989 Version of US Standard Birth Certificate

s 1989 Version of US Standard Birth Certificate but this element conforms to the 2003 standards

Table 1. Number of fetal deaths and fetal mortality rates: United States, 1985, 1990, and 1995-2017

| | Fetal deaths | | | Fetal mortality rate ¹ | | |
|---------------------------------|--------------------|--------------------------|-------------------------------|-----------------------------------|--------------------------|-------------------------------|
| | Total ² | 20-27 weeks ³ | 28 weeks or more ³ | Total ² | 20-27 weeks ³ | 28 weeks or more ³ |
| Obstetric estimate of gestation | | | | | | |
| 2017 | 22,827 | 11,861 | 10,966 | 5.89 | 3.07 | 2.84 |
| 2016 | 23,880 | 12,486 | 11,394 | 6.02 | 3.15 | 2.88 |
| 2015 | 23,776 | 12,407 | 11,369 | 5.94 | 3.11 | 2.85 |
| 2014 ⁴ | 23,980 | 12,652 | 11,328 | 5.98 | 3.16 | 2.83 |
| LMP-based gestation | | | | | | |
| 2017 ⁵ | 22,998 | 11,300 | 11,698 | 5.93 | 2.92 | 3.02 |
| 2016 ⁵ | 23,945 | 11,864 | 12,081 | 6.03 | 3.00 | 3.05 |
| 2015 ⁵ | 23,813 | 11,741 | 12,072 | 5.95 | 2.94 | 3.03 |
| 2014 ⁵ | 23,999 | 11,948 | 12,051 | 5.98 | 2.99 | 3.01 |
| 2013 ⁵ | 23,595 | 11,874 | 11,721 | 5.96 | 3.01 | 2.97 |
| 2012 ⁵ | 24,073 | 12,334 | 11,739 | 6.05 | 3.11 | 2.96 |
| 2011 ⁵ | 24,289 | 12,432 | 11,857 | 6.11 | 3.13 | 2.99 |
| 2010 ⁵ | 24,258 | 12,388 | 11,870 | 6.03 | 3.09 | 2.96 |
| 2009 ⁵ | 24,872 | 12,813 | 12,059 | 5.99 | 3.09 | 2.91 |
| 2008 ⁵ | 26,335 | 13,347 | 12,988 | 6.16 | 3.13 | 3.05 |
| 2007 ⁵ | 26,593 | 13,822 | 12,771 | 6.12 | 3.19 | 2.95 |
| 2006 ⁵ | 25,972 | 13,270 | 12,702 | 6.05 | 3.10 | 2.97 |
| 2005 ⁵ | 25,894 | 13,327 | 12,567 | 6.22 | 3.21 | 3.03 |
| 2004 ^{5,6} | 26,001 | 13,068 | 12,933 | 6.28 | 3.17 | 3.14 |
| 2003 ^{5,6} | 26,004 | 13,348 | 12,656 | 6.32 | 3.25 | 3.08 |
| 2002 ⁵ | 25,943 | 13,072 | 12,871 | 6.41 | 3.24 | 3.19 |
| 2001 ⁵ | 26,373 | 13,122 | 13,251 | 6.51 | 3.25 | 3.28 |
| 2000 ⁵ | 27,003 | 13,497 | 13,506 | 6.61 | 3.31 | 3.32 |
| 1999 ⁵ | 26,884 | 13,457 | 13,427 | 6.74 | 3.39 | 3.38 |
| 1998 ⁵ | 26,702 | 13,229 | 13,473 | 6.73 | 3.35 | 3.41 |
| 1997 ⁵ | 26,486 | 12,800 | 13,686 | 6.78 | 3.29 | 3.51 |
| 1996 ⁵ | 27,069 | 12,990 | 14,079 | 6.91 | 3.33 | 3.60 |
| 1995 ⁵ | 27,294 | 13,043 | 14,251 | 6.95 | 3.33 | 3.64 |
| 1990 ⁵ | 31,386 | 13,427 | 17,959 | 7.49 | 3.22 | 4.30 |
| 1985 ⁵ | 29,661 | 10,958 | 18,703 | 7.83 | 2.91 | 4.95 |

¹Rate is number of fetal deaths in specified group per 1,000 live births and fetal deaths.

²Fetal deaths with stated or presumed period of gestation of 20 weeks or more.

³Not stated gestational age proportionally distributed.

⁴Beginning with the 2014 data year, the obstetric estimate of gestation at delivery replaces the measure based on the date of last normal menses as the standard for measuring gestational age.

⁵Date of last normal menses was used for measuring gestational age.

⁶Rates have been revised from those published previously; see Technical notes.

NOTE: LMP refers to the date of the mother's last normal menses.

SOURCE: NCHS/CDC/National Vital Statistics System.

Table 2. Fetal Deaths by Period of Gestation and Mother's Residence: United States, Each State and Territory, 2017

[Nonresidents of the United States are excluded]

| State/territory of residence | Fetal Deaths with Stated or Presumed Gestation of 20 weeks or More | | | |
|------------------------------|--|-------------|-------------------|------------|
| | Total | 20-27 Weeks | 28 Weeks and Over | Not stated |
| United States ¹ | 22,827 | 11,792 | 10,903 | 132 |
| Alabama | 545 | 306 | 236 | 3 |
| Alaska | 74 | 38 | 35 | 1 |
| Arizona | 466 | 222 | 243 | 1 |
| Arkansas | 244 | 109 | 133 | 2 |
| California | 2,401 | 1,193 | 1,188 | 20 |
| Colorado | 363 | 213 | 147 | 3 |
| Connecticut | 186 | 99 | 86 | 1 |
| Delaware | 59 | 26 | 33 | - |
| District of Columbia | 69 | 32 | 36 | 1 |
| Florida | 1,588 | 830 | 728 | 30 |
| Georgia | 1,045 | 601 | 436 | 8 |
| Hawaii | 120 | 62 | 55 | 3 |
| Idaho | 106 | 53 | 53 | - |
| Illinois | 911 | 509 | 399 | 3 |
| Indiana | 518 | 252 | 263 | 3 |
| Iowa | 196 | 99 | 97 | - |
| Kansas | 185 | 94 | 90 | 1 |
| Kentucky | 351 | 161 | 190 | - |
| Louisiana | 329 | 161 | 167 | 1 |
| Maine | 68 | 36 | 32 | - |
| Maryland | 505 | 299 | 206 | - |
| Massachusetts | 288 | 132 | 156 | - |
| Michigan | 609 | 307 | 299 | 3 |
| Minnesota | 386 | 211 | 174 | 1 |
| Mississippi | 418 | 232 | 184 | 2 |
| Missouri | 430 | 219 | 210 | 1 |
| Montana | 54 | 30 | 24 | - |
| Nebraska | 164 | 81 | 83 | - |
| Nevada | 244 | 134 | 110 | - |
| New Hampshire | 53 | 22 | 31 | - |
| New Jersey | 731 | 454 | 277 | - |
| New Mexico | 82 | 48 | 34 | - |
| New York | 621 | 304 | 313 | 4 |
| New York City | 832 | 485 | 330 | 17 |
| North Carolina | 803 | 390 | 413 | - |
| North Dakota | 56 | 27 | 29 | - |
| Ohio | 864 | 451 | 413 | - |
| Oklahoma | 261 | 136 | 124 | 1 |
| Oregon | 214 | 93 | 121 | - |
| Pennsylvania | 840 | 397 | 442 | 1 |
| Rhode Island | 56 | 26 | 29 | 1 |
| South Carolina | 388 | 160 | 228 | - |

| | | | | |
|---------------|-------|-----|-----|---|
| South Dakota | 72 | 29 | 42 | 1 |
| Tennessee | 553 | 292 | 259 | 2 |
| Texas | 1,755 | 834 | 915 | 6 |
| Utah | 253 | 135 | 118 | - |
| Vermont | 24 | 9 | 15 | - |
| Virginia | 489 | 270 | 217 | 2 |
| Washington | 507 | 282 | 218 | 7 |
| West Virginia | 110 | 36 | 73 | 1 |
| Wisconsin | 306 | 152 | 153 | 1 |
| Wyoming | 35 | 19 | 16 | - |

| | | | | |
|-------------------|-----|-----|-----|---|
| American Samoa | 4 | 1 | 3 | - |
| Guam | 39 | 18 | 21 | - |
| Northern Marianas | 5 | 2 | 3 | - |
| Puerto Rico | 258 | 150 | 107 | 1 |
| Virgin Islands | --- | --- | --- | |

- Quantity zero.

--- Data unavailable.

1 Excludes data for the territories.

Table 3. Fetal Deaths by Period of Gestation and State/Territory of Occurrence: United States, 2017

| State / territory | All Fetal Deaths | | | |
|----------------------------|------------------|----------------|-------------------|------------|
| | Total | Under 20 Weeks | 20 Weeks and Over | Not stated |
| United States ¹ | 49,170 | 24,637 | 22,728 | 1,805 |
| Alabama | 534 | - | 531 | 3 |
| Alaska | 75 | 5 | 69 | 1 |
| Arizona | 470 | 3 | 466 | 1 |
| Arkansas | 371 | 137 | 230 | 4 |
| California | 2,412 | 3 | 2,389 | 20 |
| Colorado | 376 | - | 373 | 3 |
| Connecticut | 193 | - | 192 | 1 |
| Delaware | 58 | - | 58 | - |
| District of Columbia | 112 | - | 111 | 1 |
| Florida | 1,599 | 2 | 1,567 | 30 |
| Georgia | 8,968 | 7,307 | 1,042 | 619 |
| Hawaii | 720 | 549 | 114 | 57 |
| Idaho | 133 | 27 | 106 | - |
| Illinois | 868 | 1 | 864 | 3 |
| Indiana | 524 | - | 522 | 2 |
| Iowa | 188 | - | 188 | - |
| Kansas | 197 | - | 196 | 1 |
| Kentucky | 352 | 3 | 349 | - |
| Louisiana | 367 | 47 | 319 | 1 |
| Maine | 69 | - | 69 | - |
| Maryland | 476 | - | 476 | - |
| Massachusetts | 285 | - | 285 | - |
| Michigan | 615 | 16 | 596 | 3 |
| Minnesota | 405 | 29 | 375 | 1 |
| Mississippi | 414 | 3 | 409 | 2 |
| Missouri | 461 | 8 | 452 | 1 |
| Montana | 52 | 1 | 51 | - |
| Nebraska | 172 | - | 172 | - |
| Nevada | 254 | 7 | 247 | - |
| New Hampshire | 55 | - | 55 | - |
| New Jersey | 872 | 139 | 733 | - |
| New Mexico | 80 | 11 | 69 | - |
| New York | 4,987 | 3,703 | 546 | 738 |
| New York City | 8,433 | 7,544 | 877 | 12 |
| North Carolina | 808 | - | 808 | - |
| North Dakota | 68 | 1 | 67 | - |
| Ohio | 871 | 1 | 870 | - |
| Oklahoma | 244 | 1 | 241 | 2 |
| Oregon | 273 | 48 | 225 | - |
| Pennsylvania | 1,286 | 449 | 837 | - |
| Rhode Island | 957 | 795 | 67 | 95 |
| South Carolina | 366 | 8 | 358 | - |

| | | | | |
|-------------------|-------|-------|-------|-----|
| South Dakota | 80 | 3 | 76 | 1 |
| Tennessee | 613 | 9 | 600 | 4 |
| Texas | 2,071 | 281 | 1,784 | 6 |
| Utah | 261 | - | 261 | - |
| Vermont | 22 | - | 22 | - |
| Virginia | 4,146 | 3,480 | 482 | 184 |
| Washington | 517 | 10 | 500 | 7 |
| West Virginia | 113 | 5 | 107 | 1 |
| Wisconsin | 301 | 1 | 299 | 1 |
| Wyoming | 26 | - | 26 | - |
| American Samoa | 4 | - | 4 | - |
| Guam | 42 | 3 | 39 | - |
| Northern Marianas | 7 | - | 7 | - |
| Puerto Rico | 260 | - | 259 | 1 |
| Virgin Islands | --- | --- | --- | --- |

- Quantity zero.

--- Data unavailable.

1 Excludes data for the territories.

Fetal Death Documentation Table 4A

Fetal deaths and percent distribution by month of delivery: United States and each reporting area, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| State | Jan | Feb | Mar | Apr | May | Jun | Number | | | | | | Total |
|----------------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|
| | | | | | | | Jul | Aug | Sep | Oct | Nov | Dec | |
| TOTAL | 1,941 | 1,668 | 1,995 | 1,862 | 1,965 | 1,913 | 2,023 | 2,002 | 1,929 | 1,915 | 1,841 | 1,773 | 22,827 |
| Alabama | 40 | 37 | 37 | 38 | 51 | 39 | 56 | 52 | 42 | 52 | 56 | 45 | 545 |
| Alaska | 7 | 5 | 4 | 6 | 7 | 3 | 10 | 4 | 8 | 8 | 6 | 6 | 74 |
| Arizona | 28 | 31 | 41 | 40 | 40 | 37 | 41 | 41 | 32 | 50 | 39 | 46 | 466 |
| Arkansas | 27 | 10 | 18 | 17 | 23 | 27 | 26 | 19 | 21 | 10 | 27 | 19 | 244 |
| California | 227 | 199 | 212 | 179 | 193 | 193 | 213 | 194 | 192 | 199 | 214 | 186 | 2,401 |
| Colorado | 36 | 15 | 37 | 34 | 31 | 27 | 29 | 27 | 29 | 41 | 30 | 27 | 363 |
| Connecticut | 7 | 12 | 17 | 19 | 23 | 13 | 22 | 21 | 15 | 15 | 6 | 16 | 186 |
| Delaware | 3 | 4 | 8 | 6 | 9 | 2 | 8 | 2 | 1 | 6 | 5 | 5 | 59 |
| District of Columbia | 12 | 2 | 8 | 3 | 4 | 7 | 9 | 7 | 6 | 5 | 2 | 4 | 69 |
| Florida | 141 | 118 | 147 | 123 | 136 | 135 | 118 | 138 | 128 | 132 | 136 | 136 | 1,588 |
| Georgia | 91 | 66 | 111 | 91 | 80 | 105 | 77 | 100 | 101 | 70 | 89 | 64 | 1,045 |
| Hawaii | 11 | 11 | 7 | 8 | 12 | 11 | 14 | 14 | 11 | 10 | 3 | 8 | 120 |
| Idaho | 11 | 11 | 9 | 8 | 10 | 8 | 5 | 9 | 7 | 7 | 8 | 13 | 106 |
| Illinois | 77 | 67 | 81 | 80 | 83 | 68 | 76 | 86 | 73 | 78 | 70 | 72 | 911 |
| Indiana | 48 | 21 | 62 | 49 | 49 | 38 | 36 | 47 | 49 | 49 | 35 | 35 | 518 |
| Iowa | 13 | 20 | 19 | 14 | 16 | 18 | 13 | 20 | 16 | 18 | 18 | 11 | 196 |
| Kansas | 14 | 17 | 19 | 12 | 15 | 16 | 19 | 14 | 17 | 11 | 16 | 15 | 185 |
| Kentucky | 24 | 33 | 30 | 24 | 32 | 29 | 45 | 25 | 31 | 27 | 27 | 24 | 351 |
| Louisiana | 34 | 24 | 37 | 31 | 31 | 35 | 26 | 27 | 21 | 24 | 26 | 13 | 329 |
| Maine | 8 | 8 | 4 | 3 | 5 | 6 | 9 | 9 | 5 | 3 | 4 | 4 | 68 |
| Maryland | 44 | 30 | 38 | 52 | 57 | 48 | 38 | 46 | 38 | 32 | 47 | 35 | 505 |
| Massachusetts | 24 | 20 | 14 | 25 | 28 | 31 | 30 | 21 | 19 | 27 | 25 | 24 | 288 |
| Michigan | 56 | 43 | 50 | 54 | 55 | 48 | 39 | 57 | 57 | 46 | 50 | 54 | 609 |
| Minnesota | 39 | 36 | 26 | 29 | 33 | 33 | 33 | 35 | 36 | 40 | 21 | 25 | 386 |
| Mississippi | 39 | 26 | 38 | 23 | 40 | 40 | 40 | 31 | 35 | 42 | 24 | 40 | 418 |
| Missouri | 33 | 31 | 41 | 42 | 44 | 38 | 40 | 39 | 31 | 28 | 32 | 31 | 430 |
| Montana | 5 | 3 | 8 | 5 | 3 | - | 3 | 4 | 7 | 6 | 3 | 7 | 54 |
| Nebraska | 16 | 8 | 15 | 20 | 14 | 8 | 15 | 9 | 17 | 14 | 12 | 16 | 164 |
| Nevada | 15 | 19 | 22 | 16 | 11 | 23 | 20 | 26 | 27 | 18 | 20 | 27 | 244 |
| New Hampshire | 5 | 4 | 3 | 4 | 3 | 5 | 4 | 5 | 8 | 3 | 4 | 5 | 53 |
| New Jersey | 47 | 81 | 60 | 58 | 61 | 75 | 63 | 58 | 50 | 65 | 62 | 51 | 731 |
| New Mexico | 9 | 3 | 8 | 7 | 11 | 9 | 5 | 8 | 5 | 6 | 4 | 7 | 82 |
| New York | 39 | 45 | 49 | 56 | 54 | 60 | 57 | 48 | 60 | 47 | 59 | 47 | 621 |
| New York City | 60 | 51 | 72 | 76 | 77 | 68 | 77 | 77 | 64 | 73 | 80 | 57 | 832 |
| North Carolina | 63 | 57 | 62 | 71 | 54 | 62 | 68 | 80 | 69 | 74 | 67 | 76 | 803 |
| North Dakota | 5 | 4 | 4 | 4 | 3 | 7 | 5 | 7 | 2 | 5 | 5 | 5 | 56 |
| Ohio | 69 | 54 | 72 | 70 | 92 | 78 | 85 | 81 | 72 | 70 | 62 | 59 | 864 |
| Oklahoma | 19 | 24 | 24 | 19 | 20 | 25 | 24 | 26 | 21 | 24 | 17 | 18 | 261 |
| Oregon | 22 | 12 | 22 | 27 | 16 | 12 | 21 | 10 | 14 | 27 | 16 | 15 | 214 |
| Pennsylvania | 63 | 59 | 58 | 69 | 61 | 69 | 84 | 87 | 81 | 71 | 59 | 79 | 840 |
| Rhode Island | 3 | 4 | 7 | 4 | 5 | 7 | 3 | 3 | 6 | 4 | 5 | 5 | 56 |
| South Carolina | 42 | 21 | 36 | 18 | 23 | 35 | 42 | 33 | 32 | 30 | 42 | 34 | 388 |
| South Dakota | 4 | 6 | 8 | 7 | 7 | - | 9 | 7 | 5 | 3 | 8 | 8 | 72 |
| Tennessee | 56 | 40 | 53 | 52 | 36 | 36 | 50 | 53 | 51 | 49 | 36 | 41 | 553 |
| Texas | 153 | 136 | 138 | 149 | 156 | 142 | 162 | 150 | 164 | 141 | 138 | 126 | 1,755 |
| Utah | 18 | 21 | 32 | 21 | 19 | 18 | 24 | 23 | 26 | 15 | 16 | 20 | 253 |
| Vermont | 6 | 1 | 1 | 1 | 3 | 1 | 4 | 2 | - | 2 | 1 | 2 | 24 |
| Virginia | 49 | 40 | 47 | 29 | 38 | 45 | 47 | 43 | 41 | 40 | 30 | 40 | 489 |
| Washington | 35 | 44 | 44 | 40 | 43 | 31 | 49 | 41 | 48 | 56 | 38 | 38 | 507 |
| West Virginia | 13 | 11 | 13 | 4 | 8 | 9 | 7 | 10 | 14 | 11 | 8 | 2 | 110 |
| Wisconsin | 28 | 22 | 20 | 22 | 34 | 26 | 23 | 24 | 23 | 30 | 29 | 25 | 306 |
| Wyoming | 3 | 1 | 2 | 3 | 6 | 7 | - | 2 | 1 | 1 | 4 | 5 | 35 |

| State | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|----------------------|---------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | Percent | | | | | | | | | | | | |
| TOTAL | 8.5 | 7.3 | 8.7 | 8.2 | 8.6 | 8.4 | 8.9 | 8.8 | 8.5 | 8.4 | 8.1 | 7.8 | 100.0 |
| Alabama | 7.3 | 6.8 | 6.8 | 7.0 | 9.4 | 7.2 | 10.3 | 9.5 | 7.7 | 9.5 | 10.3 | 8.3 | 100.0 |
| Alaska | * | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Arizona | 6.0 | 6.7 | 8.8 | 8.6 | 8.6 | 7.9 | 8.8 | 8.8 | 6.9 | 10.7 | 8.4 | 9.9 | 100.0 |
| Arkansas | 11.1 | * | * | * | 9.4 | 11.1 | 10.7 | * | 8.6 | * | 11.1 | * | 100.0 |
| California | 9.5 | 8.3 | 8.8 | 7.5 | 8.0 | 8.0 | 8.9 | 8.1 | 8.0 | 8.3 | 8.9 | 7.7 | 100.0 |
| Colorado | 9.9 | * | 10.2 | 9.4 | 8.5 | 7.4 | 8.0 | 7.4 | 8.0 | 11.3 | 8.3 | 7.4 | 100.0 |
| Connecticut | * | * | * | * | 12.4 | * | 11.8 | 11.3 | * | * | * | * | 100.0 |
| Delaware | * | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| District of Columbia | * | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Florida | 8.9 | 7.4 | 9.3 | 7.7 | 8.6 | 8.5 | 7.4 | 8.7 | 8.1 | 8.3 | 8.6 | 8.6 | 100.0 |
| Georgia | 8.7 | 6.3 | 10.6 | 8.7 | 7.7 | 10.0 | 7.4 | 9.6 | 9.7 | 6.7 | 8.5 | 6.1 | 100.0 |
| Hawaii | * | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Idaho | * | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Illinois | 8.5 | 7.4 | 8.9 | 8.8 | 9.1 | 7.5 | 8.3 | 9.4 | 8.0 | 8.6 | 7.7 | 7.9 | 100.0 |
| Indiana | 9.3 | 4.1 | 12.0 | 9.5 | 9.5 | 7.3 | 6.9 | 9.1 | 9.5 | 9.5 | 6.8 | 6.8 | 100.0 |
| Iowa | * | 10.2 | * | * | * | * | * | 10.2 | * | * | * | * | 100.0 |
| Kansas | * | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Kentucky | 6.8 | 9.4 | 8.5 | 6.8 | 9.1 | 8.3 | 12.8 | 7.1 | 8.8 | 7.7 | 7.7 | 6.8 | 100.0 |
| Louisiana | 10.3 | 7.3 | 11.2 | 9.4 | 9.4 | 10.6 | 7.9 | 8.2 | 6.4 | 7.3 | 7.9 | * | 100.0 |
| Maine | * | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Maryland | 8.7 | 5.9 | 7.5 | 10.3 | 11.3 | 9.5 | 7.5 | 9.1 | 7.5 | 6.3 | 9.3 | 6.9 | 100.0 |
| Massachusetts | 8.3 | 6.9 | * | 8.7 | 9.7 | 10.8 | 10.4 | 7.3 | * | 9.4 | 8.7 | 8.3 | 100.0 |
| Michigan | 9.2 | 7.1 | 8.2 | 8.9 | 9.0 | 7.9 | 6.4 | 9.4 | 9.4 | 7.6 | 8.2 | 8.9 | 100.0 |
| Minnesota | 10.1 | 9.3 | 6.7 | 7.5 | 8.5 | 8.5 | 8.5 | 9.1 | 9.3 | 10.4 | 5.4 | 6.5 | 100.0 |
| Mississippi | 9.3 | 6.2 | 9.1 | 5.5 | 9.6 | 9.6 | 9.6 | 7.4 | 8.4 | 10.0 | 5.7 | 9.6 | 100.0 |
| Missouri | 7.7 | 7.2 | 9.5 | 9.8 | 10.2 | 8.8 | 9.3 | 9.1 | 7.2 | 6.5 | 7.4 | 7.2 | 100.0 |
| Montana | * | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Nebraska | * | * | * | 12.2 | * | * | * | * | * | * | * | * | 100.0 |
| Nevada | * | * | 9.0 | * | * | 9.4 | 8.2 | 10.7 | 11.1 | * | 8.2 | 11.1 | 100.0 |
| New Hampshire | * | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| New Jersey | 6.4 | 11.1 | 8.2 | 7.9 | 8.3 | 10.3 | 8.6 | 7.9 | 6.8 | 8.9 | 8.5 | 7.0 | 100.0 |
| New Mexico | * | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| New York | 6.3 | 7.2 | 7.9 | 9.0 | 8.7 | 9.7 | 9.2 | 7.7 | 9.7 | 7.6 | 9.5 | 7.6 | 100.0 |
| New York City | 7.2 | 6.1 | 8.7 | 9.1 | 9.3 | 8.2 | 9.3 | 9.3 | 7.7 | 8.8 | 9.6 | 6.9 | 100.0 |
| North Carolina | 7.8 | 7.1 | 7.7 | 8.8 | 6.7 | 7.7 | 8.5 | 10.0 | 8.6 | 9.2 | 8.3 | 9.5 | 100.0 |
| North Dakota | * | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Ohio | 8.0 | 6.3 | 8.3 | 8.1 | 10.6 | 9.0 | 9.8 | 9.4 | 8.3 | 8.1 | 7.2 | 6.8 | 100.0 |
| Oklahoma | * | 9.2 | 9.2 | * | 7.7 | 9.6 | 9.2 | 10.0 | 8.0 | 9.2 | * | * | 100.0 |
| Oregon | 10.3 | * | 10.3 | 12.6 | * | * | 9.8 | * | * | 12.6 | * | * | 100.0 |
| Pennsylvania | 7.5 | 7.0 | 6.9 | 8.2 | 7.3 | 8.2 | 10.0 | 10.4 | 9.6 | 8.5 | 7.0 | 9.4 | 100.0 |
| Rhode Island | * | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| South Carolina | 10.8 | 5.4 | 9.3 | * | 5.9 | 9.0 | 10.8 | 8.5 | 8.2 | 7.7 | 10.8 | 8.8 | 100.0 |
| South Dakota | * | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Tennessee | 10.1 | 7.2 | 9.6 | 9.4 | 6.5 | 6.5 | 9.0 | 9.6 | 9.2 | 8.9 | 6.5 | 7.4 | 100.0 |
| Texas | 8.7 | 7.7 | 7.9 | 8.5 | 8.9 | 8.1 | 9.2 | 8.5 | 9.3 | 8.0 | 7.9 | 7.2 | 100.0 |
| Utah | * | 8.3 | 12.6 | 8.3 | * | * | 9.5 | 9.1 | 10.3 | * | * | 7.9 | 100.0 |
| Vermont | * | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Virginia | 10.0 | 8.2 | 9.6 | 5.9 | 7.8 | 9.2 | 9.6 | 8.8 | 8.4 | 8.2 | 6.1 | 8.2 | 100.0 |
| Washington | 6.9 | 8.7 | 8.7 | 7.9 | 8.5 | 6.1 | 9.7 | 8.1 | 9.5 | 11.0 | 7.5 | 7.5 | 100.0 |
| West Virginia | * | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Wisconsin | 9.2 | 7.2 | 6.5 | 7.2 | 11.1 | 8.5 | 7.5 | 7.8 | 7.5 | 9.8 | 9.5 | 8.2 | 100.0 |
| Wyoming | * | * | * | * | * | * | * | * | * | * | * | * | 100.0 |

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

– Quantity zero.

Fetal Death Documentation Table 4B

Fetal deaths by month of delivery: U.S. territories, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| Territory | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| TOTAL | 29 | 17 | 25 | 23 | 23 | 33 | 28 | 22 | 26 | 37 | 23 | 20 | 306 |
| American Samoa | 2 | - | - | - | - | 1 | - | 1 | - | - | - | - | 4 |
| Guam | 4 | - | - | 3 | 4 | 3 | 3 | 3 | 8 | 4 | 4 | 3 | 39 |
| Northern Marianas | - | 2 | - | 1 | - | - | - | - | 1 | - | 1 | - | 5 |
| Puerto Rico | 23 | 15 | 25 | 19 | 19 | 29 | 25 | 18 | 17 | 33 | 18 | 17 | 258 |

- Quantity zero.

Fetal Death Documentation Table 5A

**Fetal deaths and percent distribution by race of mother:
United States and each reporting area, 2017**

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| State | White | Black | American Indian or Alaska native Number | Asian or Pacific Islander | Total |
|----------------------|--------|-------|---|---------------------------------|--------|
| TOTAL | 14,603 | 6,636 | 305 | 1,283 | 22,827 |
| Alabama | 269 | 268 | - | 8 | 545 |
| Alaska | 37 | 6 | 25 | 6 | 74 |
| Arizona | 358 | 47 | 43 | 18 | 466 |
| Arkansas | 160 | 79 | 2 | 3 | 244 |
| California | 1,747 | 288 | 28 | 338 | 2,401 |
| Colorado | 317 | 32 | 3 | 11 | 363 |
| Connecticut | 124 | 51 | - | 11 | 186 |
| Delaware | 24 | 31 | - | 4 | 59 |
| District of Columbia | 17 | 49 | - | 3 | 69 |
| Florida | 880 | 668 | 4 | 36 | 1,588 |
| Georgia | 446 | 568 | - | 31 | 1,045 |
| Hawaii | 23 | 7 | - | 90 | 120 |
| Idaho | 94 | 4 | 2 | 6 | 106 |
| Illinois | 556 | 307 | 4 | 44 | 911 |
| Indiana | 409 | 94 | - | 15 | 518 |
| Iowa | 157 | 34 | - | 5 | 196 |
| Kansas | 160 | 20 | 1 | 4 | 185 |
| Kentucky | 283 | 59 | 1 | 8 | 351 |
| Louisiana | 119 | 201 | 2 | 7 | 329 |
| Maine | 67 | - | 1 | - | 68 |
| Maryland | 222 | 262 | 2 | 19 | 505 |
| Massachusetts | 185 | 71 | 4 | 28 | 288 |
| Michigan | 348 | 233 | 6 | 22 | 609 |
| Minnesota | 252 | 93 | 14 | 27 | 386 |
| Mississippi | 109 | 305 | 3 | 1 | 418 |
| Missouri | 307 | 112 | 2 | 9 | 430 |
| Montana | 43 | 1 | 10 | - | 54 |
| Nebraska | 129 | 25 | 2 | 8 | 164 |
| Nevada | 158 | 60 | 4 | 22 | 244 |
| New Hampshire | 48 | 4 | - | 1 | 53 |
| New Jersey | 430 | 231 | 1 | 69 | 731 |
| New Mexico | 72 | 1 | 7 | 2 | 82 |
| New York | 431 | 163 | 6 | 21 | 621 |
| New York City | 394 | 355 | 1 | 82 | 832 |
| North Carolina | 424 | 337 | 20 | 22 | 803 |
| North Dakota | 34 | 8 | 14 | - | 56 |
| Ohio | 595 | 239 | 2 | 28 | 864 |
| Oklahoma | 185 | 35 | 36 | 5 | 261 |
| Oregon | 175 | 13 | 9 | 17 | 214 |
| Pennsylvania | 587 | 216 | 2 | 35 | 840 |
| Rhode Island | 40 | 13 | - | 3 | 56 |
| South Carolina | 201 | 181 | 1 | 5 | 388 |
| South Dakota | 51 | 4 | 17 | - | 72 |
| Tennessee | 342 | 200 | - | 11 | 553 |
| Texas | 1,280 | 401 | 5 | 69 | 1,755 |
| Utah | 231 | 7 | 3 | 12 | 253 |
| Vermont | 22 | 1 | - | 1 | 24 |
| Virginia | 304 | 152 | 1 | 32 | 489 |
| Washington | 394 | 42 | 8 | 63 | 507 |
| West Virginia | 101 | 6 | - | 3 | 110 |
| Wisconsin | 232 | 52 | 6 | 16 | 306 |
| Wyoming | 30 | - | 3 | 2 | 35 |

| State | White | Black | American Indian or Alaska native Percent | Asian or Pacific Islander | Total |
|----------------------|-------|-------|--|---------------------------------|-------|
| TOTAL | 64.0 | 29.1 | 1.3 | 5.6 | 100.0 |
| Alabama | 49.4 | 49.2 | * | * | 100.0 |
| Alaska | 50.0 | * | 33.8 | * | 100.0 |
| Arizona | 76.8 | 10.1 | 9.2 | * | 100.0 |
| Arkansas | 65.6 | 32.4 | * | * | 100.0 |
| California | 72.8 | 12.0 | 1.2 | 14.1 | 100.0 |
| Colorado | 87.3 | 8.8 | * | * | 100.0 |
| Connecticut | 66.7 | 27.4 | * | * | 100.0 |
| Delaware | 40.7 | 52.5 | * | * | 100.0 |
| District of Columbia | * | 71.0 | * | * | 100.0 |
| Florida | 55.4 | 42.1 | * | 2.3 | 100.0 |
| Georgia | 42.7 | 54.4 | * | 3.0 | 100.0 |
| Hawaii | 19.2 | * | * | 75.0 | 100.0 |
| Idaho | 88.7 | * | * | * | 100.0 |
| Illinois | 61.0 | 33.7 | * | 4.8 | 100.0 |
| Indiana | 79.0 | 18.1 | * | * | 100.0 |
| Iowa | 80.1 | 17.3 | * | * | 100.0 |
| Kansas | 86.5 | 10.8 | * | * | 100.0 |
| Kentucky | 80.6 | 16.8 | * | * | 100.0 |
| Louisiana | 36.2 | 61.1 | * | * | 100.0 |
| Maine | 98.5 | * | * | * | 100.0 |
| Maryland | 44.0 | 51.9 | * | * | 100.0 |
| Massachusetts | 64.2 | 24.7 | * | 9.7 | 100.0 |
| Michigan | 57.1 | 38.3 | * | 3.6 | 100.0 |
| Minnesota | 65.3 | 24.1 | * | 7.0 | 100.0 |
| Mississippi | 26.1 | 73.0 | * | * | 100.0 |
| Missouri | 71.4 | 26.0 | * | * | 100.0 |
| Montana | 79.6 | * | * | * | 100.0 |
| Nebraska | 78.7 | 15.2 | * | * | 100.0 |
| Nevada | 64.8 | 24.6 | * | 9.0 | 100.0 |
| New Hampshire | 90.6 | * | * | * | 100.0 |
| New Jersey | 58.8 | 31.6 | * | 9.4 | 100.0 |
| New Mexico | 87.8 | * | * | * | 100.0 |
| New York | 69.4 | 26.2 | * | 3.4 | 100.0 |
| New York City | 47.4 | 42.7 | * | 9.9 | 100.0 |
| North Carolina | 52.8 | 42.0 | 2.5 | 2.7 | 100.0 |
| North Dakota | 60.7 | * | * | * | 100.0 |
| Ohio | 68.9 | 27.7 | * | 3.2 | 100.0 |
| Oklahoma | 70.9 | 13.4 | 13.8 | * | 100.0 |
| Oregon | 81.8 | * | * | * | 100.0 |
| Pennsylvania | 69.9 | 25.7 | * | 4.2 | 100.0 |
| Rhode Island | 71.4 | * | * | * | 100.0 |
| South Carolina | 51.8 | 46.6 | * | * | 100.0 |
| South Dakota | 70.8 | * | * | * | 100.0 |
| Tennessee | 61.8 | 36.2 | * | * | 100.0 |
| Texas | 72.9 | 22.8 | * | 3.9 | 100.0 |
| Utah | 91.3 | * | * | * | 100.0 |
| Vermont | 91.7 | * | * | * | 100.0 |
| Virginia | 62.2 | 31.1 | * | 6.5 | 100.0 |
| Washington | 77.7 | 8.3 | * | 12.4 | 100.0 |
| West Virginia | 91.8 | * | * | * | 100.0 |
| Wisconsin | 75.8 | 17.0 | * | * | 100.0 |
| Wyoming | 85.7 | * | * | * | 100.0 |

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

– Quantity zero.

Fetal Death Documentation Table 5B
Fetal deaths by race of mother: U.S. territories, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| Territory | White | Black | American Indian or Alaska native | Asian or Pacific Islander | Total |
|-------------------|-------|-------|--|---------------------------------|-------|
| TOTAL | 243 | 16 | - | 47 | 306 |
| American Samoa | - | - | - | 4 | 4 |
| Guam | 1 | - | - | 38 | 39 |
| Northern Marianas | - | - | - | 5 | 5 |
| Puerto Rico | 242 | 16 | - | - | 258 |

- Quantity zero.

Fetal Death Documentation Table 6A

Fetal deaths and percent distribution by race and Hispanic origin of mother: United States and each reporting area, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| State | Mexican | Puerto Rican | Cuban | Central and South American | Other and Unknown Hispanic | Non-Hispanic white | Non-Hispanic black | Non-Hispanic other races | Unknown | Total |
|----------------------|---------|--------------|-------|----------------------------|----------------------------|--------------------|--------------------|--------------------------|---------|--------|
| | Number | | | | | | | | | |
| TOTAL | 2,615 | 417 | 99 | 677 | 714 | 9,978 | 6,122 | 1,427 | 778 | 22,827 |
| Alabama | 16 | - | - | 13 | 2 | 236 | 266 | 8 | 4 | 545 |
| Alaska | 2 | 2 | - | 2 | - | 30 | 6 | 30 | 2 | 74 |
| Arizona | 154 | 4 | - | 4 | 13 | 181 | 46 | 54 | 10 | 466 |
| Arkansas | 12 | - | - | 1 | 1 | 144 | 77 | 4 | 5 | 244 |
| California | 887 | 7 | 4 | 129 | 119 | 563 | 254 | 331 | 107 | 2,401 |
| Colorado | 65 | 2 | 1 | 10 | 19 | 225 | 29 | 12 | - | 363 |
| Connecticut | 3 | 25 | 1 | 10 | 5 | 65 | 35 | 11 | 31 | 186 |
| Delaware | 1 | 1 | - | 2 | 2 | 18 | 31 | 4 | - | 59 |
| District of Columbia | - | - | - | 3 | 2 | 12 | 49 | 3 | - | 69 |
| Florida | 68 | 105 | 60 | 103 | 41 | 500 | 599 | 37 | 75 | 1,588 |
| Georgia | 59 | 7 | 2 | 15 | 24 | 326 | 539 | 29 | 44 | 1,045 |
| Hawaii | 3 | 6 | - | 1 | 1 | 13 | 4 | 55 | 37 | 120 |
| Idaho | 17 | - | - | 2 | 6 | 71 | 4 | 6 | - | 106 |
| Illinois | 119 | 15 | 4 | 13 | 18 | 393 | 301 | 44 | 4 | 911 |
| Indiana | 23 | 5 | - | 12 | 5 | 372 | 89 | 12 | - | 518 |
| Iowa | 11 | - | - | 3 | 1 | 139 | 34 | 5 | 3 | 196 |
| Kansas | 18 | 1 | 3 | 3 | 1 | 133 | 20 | 5 | 1 | 185 |
| Kentucky | 11 | 1 | 1 | 4 | 1 | 265 | 59 | 9 | - | 351 |
| Louisiana | 6 | 1 | - | 6 | 1 | 104 | 201 | 9 | 1 | 329 |
| Maine | - | - | - | - | - | 60 | - | 1 | 7 | 68 |
| Maryland | 8 | - | - | 38 | 22 | 156 | 248 | 19 | 14 | 505 |
| Massachusetts | 3 | 17 | - | 16 | 12 | 115 | 54 | 27 | 44 | 288 |
| Michigan | 19 | 5 | - | 5 | 10 | 310 | 219 | 25 | 16 | 609 |
| Minnesota | 20 | 4 | - | 6 | 3 | 214 | 88 | 39 | 12 | 386 |
| Mississippi | 6 | 1 | 1 | 2 | 3 | 101 | 296 | 4 | 4 | 418 |
| Missouri | 12 | 2 | - | 3 | 5 | 284 | 104 | 9 | 11 | 430 |
| Montana | 3 | - | 1 | - | 1 | 38 | 1 | 10 | - | 54 |
| Nebraska | 14 | - | - | 2 | 1 | 112 | 25 | 10 | - | 164 |
| Nevada | 58 | 8 | 1 | 11 | 3 | 79 | 58 | 24 | 2 | 244 |
| New Hampshire | 2 | - | - | - | - | 43 | 4 | 1 | 3 | 53 |
| New Jersey | 38 | 46 | 2 | 60 | 49 | 242 | 216 | 70 | 8 | 731 |
| New Mexico | 22 | - | - | - | - | 50 | 1 | 9 | - | 82 |
| New York | 4 | 17 | - | 21 | 37 | 345 | 133 | 24 | 40 | 621 |
| New York City | 24 | 38 | 2 | 37 | 98 | 161 | 236 | 73 | 163 | 832 |
| North Carolina | 61 | 11 | 4 | 29 | 6 | 342 | 310 | 40 | - | 803 |
| North Dakota | 1 | - | - | - | - | 32 | 6 | 13 | 4 | 56 |
| Ohio | 18 | 9 | 1 | 6 | 8 | 551 | 236 | 29 | 6 | 864 |
| Oklahoma | 31 | 1 | - | 1 | 6 | 145 | 35 | 38 | 4 | 261 |
| Oregon | 39 | 1 | - | 3 | 5 | 121 | 10 | 23 | 12 | 214 |
| Pennsylvania | 10 | 40 | 1 | 10 | 30 | 509 | 204 | 35 | 1 | 840 |
| Rhode Island | - | 1 | - | 2 | 1 | 27 | 8 | 3 | 14 | 56 |
| South Carolina | 16 | 4 | 1 | 5 | 6 | 177 | 167 | 5 | 7 | 388 |
| South Dakota | 4 | - | - | 1 | - | 47 | 4 | 16 | - | 72 |
| Tennessee | 17 | 1 | 1 | - | 4 | 324 | 189 | 10 | 7 | 553 |
| Texas | 589 | 15 | 6 | 51 | 96 | 539 | 391 | 68 | - | 1,755 |
| Utah | 25 | 1 | - | 7 | 9 | 190 | 7 | 14 | - | 253 |
| Vermont | 1 | - | - | - | - | 21 | 1 | 1 | - | 24 |
| Virginia | 10 | 7 | 1 | 18 | 20 | 244 | 135 | 28 | 26 | 489 |
| Washington | 69 | 3 | 1 | 5 | 15 | 275 | 36 | 62 | 41 | 507 |
| West Virginia | - | - | - | - | - | 98 | 6 | 3 | 3 | 110 |
| Wisconsin | 14 | 3 | - | 2 | 2 | 208 | 51 | 21 | 5 | 306 |
| Wyoming | 2 | - | - | - | - | 28 | - | 5 | - | 35 |

| State | Mexican | Puerto Rican | Cuban | Central and South American | Other and Unknown Hispanic | Non-Hispanic white | Non-Hispanic black | Non-Hispanic other races | Total |
|----------------------|---------|--------------|-------|----------------------------|----------------------------|--------------------|--------------------|--------------------------|-------|
| Percent | | | | | | | | | |
| TOTAL | 11.9 | 1.9 | 0.4 | 3.1 | 3.2 | 45.3 | 27.8 | 6.5 | 100.0 |
| Alabama | * | * | * | * | * | 43.6 | 49.2 | * | 100.0 |
| Alaska | * | * | * | * | * | 41.7 | * | 41.7 | 100.0 |
| Arizona | 33.8 | * | * | * | * | 39.7 | 10.1 | 11.8 | 100.0 |
| Arkansas | * | * | * | * | * | 60.3 | 32.2 | * | 100.0 |
| California | 38.7 | * | * | 5.6 | 5.2 | 24.5 | 11.1 | 14.4 | 100.0 |
| Colorado | 17.9 | * | * | * | * | 62.0 | 8.0 | * | 100.0 |
| Connecticut | * | 16.1 | * | * | * | 41.9 | 22.6 | * | 100.0 |
| Delaware | * | * | * | * | * | * | 52.5 | * | 100.0 |
| District of Columbia | * | * | * | * | * | * | 71.0 | * | 100.0 |
| Florida | 4.5 | 6.9 | 4.0 | 6.8 | 2.7 | 33.0 | 39.6 | 2.4 | 100.0 |
| Georgia | 5.9 | * | * | * | 2.4 | 32.6 | 53.8 | 2.9 | 100.0 |
| Hawaii | * | * | * | * | * | * | * | 66.3 | 100.0 |
| Idaho | * | * | * | * | * | 67.0 | * | * | 100.0 |
| Illinois | 13.1 | * | * | * | * | 43.3 | 33.2 | 4.9 | 100.0 |
| Indiana | 4.4 | * | * | * | * | 71.8 | 17.2 | * | 100.0 |
| Iowa | * | * | * | * | * | 72.0 | 17.6 | * | 100.0 |
| Kansas | * | * | * | * | * | 72.3 | 10.9 | * | 100.0 |
| Kentucky | * | * | * | * | * | 75.5 | 16.8 | * | 100.0 |
| Louisiana | * | * | * | * | * | 31.7 | 61.3 | * | 100.0 |
| Maine | * | * | * | * | * | 98.4 | * | * | 100.0 |
| Maryland | * | * | * | 7.7 | 4.5 | 31.8 | 50.5 | * | 100.0 |
| Massachusetts | * | * | * | * | * | 47.1 | 22.1 | 11.1 | 100.0 |
| Michigan | * | * | * | * | * | 52.3 | 36.9 | 4.2 | 100.0 |
| Minnesota | 5.3 | * | * | * | * | 57.2 | 23.5 | 10.4 | 100.0 |
| Mississippi | * | * | * | * | * | 24.4 | 71.5 | * | 100.0 |
| Missouri | * | * | * | * | * | 67.8 | 24.8 | * | 100.0 |
| Montana | * | * | * | * | * | 70.4 | * | * | 100.0 |
| Nebraska | * | * | * | * | * | 68.3 | 15.2 | * | 100.0 |
| Nevada | 24.0 | * | * | * | * | 32.6 | 24.0 | 9.9 | 100.0 |
| New Hampshire | * | * | * | * | * | 86.0 | * | * | 100.0 |
| New Jersey | 5.3 | 6.4 | * | 8.3 | 6.8 | 33.5 | 29.9 | 9.7 | 100.0 |
| New Mexico | 26.8 | * | * | * | * | 61.0 | * | * | 100.0 |
| New York | * | * | * | 3.6 | 6.4 | 59.4 | 22.9 | 4.1 | 100.0 |
| New York City | 3.6 | 5.7 | * | 5.5 | 14.6 | 24.1 | 35.3 | 10.9 | 100.0 |
| North Carolina | 7.6 | * | * | 3.6 | * | 42.6 | 38.6 | 5.0 | 100.0 |
| North Dakota | * | * | * | * | * | 61.5 | * | * | 100.0 |
| Ohio | * | * | * | * | * | 64.2 | 27.5 | 3.4 | 100.0 |
| Oklahoma | 12.1 | * | * | * | * | 56.4 | 13.6 | 14.8 | 100.0 |
| Oregon | 19.3 | * | * | * | * | 59.9 | * | 11.4 | 100.0 |
| Pennsylvania | * | 4.8 | * | * | 3.6 | 60.7 | 24.3 | 4.2 | 100.0 |
| Rhode Island | * | * | * | * | * | 64.3 | * | * | 100.0 |
| South Carolina | * | * | * | * | * | 46.5 | 43.8 | * | 100.0 |
| South Dakota | * | * | * | * | * | 65.3 | * | * | 100.0 |
| Tennessee | * | * | * | * | * | 59.3 | 34.6 | * | 100.0 |
| Texas | 33.6 | * | * | 2.9 | 5.5 | 30.7 | 22.3 | 3.9 | 100.0 |
| Utah | 9.9 | * | * | * | * | 75.1 | * | * | 100.0 |
| Vermont | * | * | * | * | * | 87.5 | * | * | 100.0 |
| Virginia | * | * | * | * | 4.3 | 52.7 | 29.2 | 6.0 | 100.0 |
| Washington | 14.8 | * | * | * | * | 59.0 | 7.7 | 13.3 | 100.0 |
| West Virginia | * | * | * | * | * | 91.6 | * | * | 100.0 |
| Wisconsin | * | * | * | * | * | 69.1 | 16.9 | 7.0 | 100.0 |
| Wyoming | * | * | * | * | * | 80.0 | * | * | 100.0 |

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

– Quantity zero.

Fetal Death Documentation Table 6B

Fetal deaths by race and Hispanic origin of mother: U.S. territories, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| Territory | Mexican | Puerto Rican | Cuban | Central and South American | Other and Unknown Hispanic | Non-Hispanic white | Non-Hispanic black | Non-Hispanic other races | Unknown | Total |
|--------------------|---------|--------------|-------|----------------------------|----------------------------|--------------------|--------------------|--------------------------|---------|-------|
| | | | | | | | | | | |
| TOTAL ¹ | - | 247 | - | 2 | 2 | 7 | 1 | 42 | 1 | 302 |
| Guam | - | - | - | - | - | 1 | - | 37 | 1 | 39 |
| Northern Marianas | - | - | - | - | - | - | - | 5 | - | 5 |
| Puerto Rico | - | 247 | - | 2 | 2 | 6 | 1 | - | - | 258 |

- Quantity zero.

¹ American Samoa does not report mother's Hispanic origin.

Fetal Death Documentation Table 7A

Fetal deaths by age of mother (in years): United States and each reporting area, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| | <15 | 15 | 16 | 17 | 18 | 19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | Total |
|----------------------|--------|----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|--------|
| | Number | | | | | | | | | | | | | |
| TOTAL | 32 | 47 | 101 | 221 | 429 | 616 | 4,548 | 6,167 | 5,848 | 3,590 | 1,106 | 118 | 4 | 22,827 |
| Alabama | 1 | 1 | 2 | 7 | 11 | 31 | 138 | 145 | 126 | 62 | 20 | 1 | - | 545 |
| Alaska | - | - | - | - | 3 | 5 | 16 | 18 | 16 | 9 | 6 | 1 | - | 74 |
| Arizona | - | 2 | 2 | 3 | 12 | 14 | 98 | 123 | 119 | 72 | 18 | 3 | - | 466 |
| Arkansas | - | 2 | 2 | 3 | 11 | 10 | 66 | 65 | 47 | 31 | 6 | 1 | - | 244 |
| California | 2 | 2 | 8 | 14 | 33 | 37 | 430 | 610 | 636 | 449 | 162 | 18 | - | 2,401 |
| Colorado | - | - | 3 | 3 | 3 | 8 | 61 | 100 | 86 | 74 | 22 | 3 | - | 363 |
| Connecticut | - | - | - | 2 | 4 | 2 | 23 | 53 | 49 | 41 | 11 | 1 | - | 186 |
| Delaware | 1 | - | - | 1 | - | 1 | 14 | 16 | 15 | 10 | 1 | - | - | 59 |
| District of Columbia | - | 1 | 2 | - | 1 | 1 | 10 | 22 | 15 | 15 | 2 | - | - | 69 |
| Florida | 2 | 2 | 9 | 16 | 32 | 53 | 286 | 418 | 408 | 276 | 76 | 10 | - | 1,588 |
| Georgia | 1 | - | 1 | 22 | 25 | 35 | 215 | 287 | 252 | 146 | 55 | 6 | - | 1,045 |
| Hawaii | - | - | - | 2 | 1 | 3 | 19 | 28 | 31 | 24 | 10 | 2 | - | 120 |
| Idaho | - | - | 1 | 1 | - | 3 | 24 | 35 | 24 | 12 | 5 | 1 | - | 106 |
| Illinois | - | 1 | 6 | 8 | 6 | 16 | 172 | 256 | 261 | 133 | 48 | 4 | - | 911 |
| Indiana | - | 1 | - | 2 | 12 | 13 | 139 | 159 | 107 | 63 | 21 | 1 | - | 518 |
| Iowa | - | - | 3 | 2 | - | 6 | 40 | 54 | 56 | 32 | 3 | - | - | 196 |
| Kansas | - | - | 1 | 3 | 2 | 5 | 35 | 53 | 46 | 29 | 9 | 2 | - | 185 |
| Kentucky | 2 | 1 | 2 | 1 | 8 | 14 | 86 | 97 | 77 | 47 | 15 | 1 | - | 351 |
| Louisiana | 1 | - | 2 | 3 | 9 | 17 | 92 | 89 | 66 | 41 | 9 | - | - | 329 |
| Maine | - | - | 1 | - | - | 1 | 16 | 22 | 19 | 5 | 3 | 1 | - | 68 |
| Maryland | - | 1 | 2 | 7 | 4 | 8 | 80 | 138 | 160 | 73 | 31 | 1 | - | 505 |
| Massachusetts | - | - | 1 | - | 6 | 5 | 36 | 55 | 91 | 72 | 16 | 6 | - | 288 |
| Michigan | - | 3 | 3 | 4 | 16 | 13 | 122 | 174 | 168 | 78 | 26 | 2 | - | 609 |
| Minnesota | 1 | - | 1 | 1 | 11 | 11 | 57 | 103 | 107 | 71 | 21 | 2 | - | 386 |
| Mississippi | 1 | - | 1 | 5 | 8 | 20 | 125 | 117 | 85 | 43 | 12 | 1 | - | 418 |
| Missouri | - | 2 | 4 | 5 | 11 | 15 | 116 | 126 | 88 | 52 | 10 | 1 | - | 430 |
| Montana | - | - | - | 2 | - | 1 | 15 | 12 | 14 | 6 | 3 | 1 | - | 54 |
| Nebraska | - | - | 1 | 2 | 3 | 6 | 26 | 44 | 46 | 26 | 9 | 1 | - | 164 |
| Nevada | - | - | 1 | 3 | 7 | 5 | 52 | 66 | 58 | 40 | 12 | - | - | 244 |
| New Hampshire | - | - | - | - | 2 | 1 | 11 | 15 | 12 | 9 | 3 | - | - | 53 |
| New Jersey | - | 3 | 4 | 5 | 9 | 9 | 122 | 161 | 208 | 158 | 48 | 2 | 2 | 731 |
| New Mexico | - | - | - | 2 | 2 | 2 | 18 | 23 | 19 | 14 | 2 | - | - | 82 |
| New York | 1 | - | 1 | 8 | 14 | 13 | 110 | 166 | 162 | 92 | 46 | 8 | - | 621 |
| New York City | 2 | 3 | 3 | 7 | 6 | 12 | 134 | 216 | 207 | 173 | 61 | 7 | 1 | 832 |
| North Carolina | 5 | 1 | 3 | 10 | 16 | 18 | 163 | 247 | 206 | 103 | 28 | 3 | - | 803 |
| North Dakota | - | - | - | - | 1 | 1 | 7 | 19 | 18 | 10 | - | - | - | 56 |
| Ohio | 1 | 3 | 5 | 11 | 13 | 23 | 187 | 252 | 212 | 124 | 30 | 3 | - | 864 |
| Oklahoma | 1 | 1 | - | 5 | 11 | 10 | 59 | 75 | 71 | 24 | 3 | 1 | - | 261 |
| Oregon | - | - | - | 3 | 1 | 6 | 34 | 62 | 59 | 37 | 12 | - | - | 214 |
| Pennsylvania | 1 | 2 | 1 | 4 | 15 | 21 | 154 | 234 | 238 | 128 | 40 | 2 | - | 840 |
| Rhode Island | - | 1 | 1 | - | - | - | 10 | 13 | 25 | 5 | 1 | - | - | 56 |
| South Carolina | 1 | 2 | 1 | 6 | 15 | 8 | 101 | 111 | 91 | 41 | 10 | 1 | - | 388 |
| South Dakota | 1 | - | - | - | - | 2 | 12 | 24 | 17 | 14 | 2 | - | - | 72 |
| Tennessee | 1 | 1 | 5 | 7 | 14 | 24 | 131 | 169 | 111 | 68 | 19 | 3 | - | 553 |
| Texas | 4 | 8 | 13 | 15 | 47 | 70 | 352 | 442 | 458 | 253 | 83 | 10 | - | 1,755 |
| Utah | - | - | 1 | 5 | 3 | 3 | 52 | 65 | 68 | 40 | 16 | - | - | 253 |
| Vermont | - | - | - | - | - | 1 | 6 | 9 | 3 | 5 | - | - | - | 24 |
| Virginia | - | 1 | - | 5 | 10 | 7 | 84 | 134 | 131 | 93 | 20 | 4 | - | 489 |
| Washington | 1 | - | - | 4 | 4 | 11 | 86 | 135 | 141 | 100 | 23 | 1 | 1 | 507 |
| West Virginia | - | - | 1 | - | 2 | 6 | 31 | 32 | 23 | 10 | 5 | - | - | 110 |
| Wisconsin | 1 | 2 | 3 | 2 | 4 | 8 | 67 | 69 | 88 | 49 | 12 | 1 | - | 306 |
| Wyoming | - | - | - | - | 1 | 1 | 8 | 9 | 7 | 8 | - | 1 | - | 35 |

- Quantity zero.

Fetal Death Documentation Table 7B
Fetal deaths by age of mother: U.S. territories, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| Territory | <15 | 15 | 16 | 17 | 18 | 19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | Total |
|-------------------|-----|----|----|----|----|----|-------|-------|-------|-------|-------|-------|-------|-------|
| TOTAL | - | - | 4 | 5 | 8 | 21 | 85 | 79 | 49 | 43 | 11 | 1 | - | 306 |
| American Samoa | - | - | - | - | - | - | 2 | - | 1 | - | 1 | - | - | 4 |
| Guam | - | - | - | - | - | 1 | 12 | 9 | 9 | 7 | 1 | - | - | 39 |
| Northern Marianas | - | - | - | - | - | - | 3 | 2 | - | - | - | - | - | 5 |
| Puerto Rico | - | - | 4 | 5 | 8 | 20 | 68 | 68 | 39 | 36 | 9 | 1 | - | 258 |

- Quantity zero.

Fetal Death Documentation Table 8A

Fetal deaths by age of father (in years) : Total of 44 states and each reporting area, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| State | Number | | | | | | | | | | | Total |
|----------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------|
| | <15 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-98 | Unknown | |
| TOTAL ^{1,2} | 5 | 442 | 2,064 | 3,514 | 3,998 | 2,656 | 1,250 | 506 | 180 | 94 | 3,233 | 17,942 |
| Alaska | - | 3 | 6 | 16 | 13 | 5 | 5 | 2 | 2 | - | 22 | 74 |
| Arizona | - | 15 | 60 | 102 | 114 | 66 | 32 | 16 | 2 | 4 | 55 | 466 |
| Arkansas | - | 6 | 21 | 35 | 31 | 17 | 11 | 2 | - | - | 121 | 244 |
| California | - | 50 | 278 | 487 | 572 | 412 | 237 | 77 | 25 | 22 | 241 | 2,401 |
| Colorado | - | 3 | 44 | 63 | 84 | 77 | 31 | 14 | 3 | - | 44 | 363 |
| Connecticut | - | 2 | 16 | 35 | 38 | 50 | 8 | 8 | 4 | - | 25 | 186 |
| Delaware | - | 1 | 7 | 13 | 13 | 11 | 3 | 1 | - | - | 10 | 59 |
| Florida | - | 42 | 180 | 305 | 350 | 233 | 131 | 59 | 27 | 18 | 243 | 1,588 |
| Hawaii | - | 1 | 7 | 19 | 14 | 10 | 8 | 3 | 4 | - | 54 | 120 |
| Idaho | - | 1 | 10 | 23 | 34 | 17 | 6 | 2 | - | 1 | 12 | 106 |
| Illinois | - | 15 | 97 | 158 | 222 | 132 | 67 | 31 | 3 | 4 | 182 | 911 |
| Indiana | - | 13 | 93 | 135 | 115 | 62 | 31 | 18 | 4 | 3 | 44 | 518 |
| Iowa | - | 3 | 17 | 52 | 42 | 38 | 10 | 5 | 1 | - | 28 | 196 |
| Kansas | - | 5 | 24 | 35 | 52 | 32 | 10 | 5 | 4 | - | 18 | 185 |
| Kentucky | - | 4 | 33 | 49 | 59 | 30 | 22 | 3 | 1 | - | 150 | 351 |
| Louisiana | - | 5 | 43 | 74 | 59 | 29 | 20 | 3 | 4 | 1 | 91 | 329 |
| Maine | - | - | 9 | 21 | 15 | 5 | 7 | - | - | - | 11 | 68 |
| Maryland | - | 15 | 51 | 108 | 108 | 69 | 46 | 13 | 7 | 5 | 83 | 505 |
| Massachusetts | - | 1 | 17 | 37 | 64 | 51 | 25 | 14 | 5 | - | 74 | 288 |
| Michigan | - | 14 | 77 | 124 | 129 | 99 | 31 | 11 | 11 | 1 | 112 | 609 |
| Minnesota | - | 11 | 41 | 75 | 110 | 55 | 26 | 20 | 7 | 3 | 38 | 386 |
| Mississippi | - | 11 | 44 | 51 | 57 | 35 | 21 | 4 | 3 | 1 | 191 | 418 |
| Missouri | 1 | 16 | 78 | 103 | 87 | 57 | 18 | 3 | 2 | 1 | 64 | 430 |
| Montana | - | 2 | 5 | 17 | 10 | 9 | 3 | 3 | - | 1 | 4 | 54 |
| Nebraska | - | 3 | 20 | 35 | 48 | 38 | 8 | 2 | 2 | 1 | 7 | 164 |
| Nevada | - | 9 | 24 | 50 | 37 | 36 | 23 | 7 | 4 | 1 | 53 | 244 |
| New Hampshire | - | 1 | 8 | 7 | 15 | 7 | 5 | - | - | - | 10 | 53 |
| New Mexico | - | 2 | 8 | 13 | 13 | 12 | 1 | 2 | 1 | - | 30 | 82 |
| North Carolina | - | 9 | 60 | 142 | 137 | 98 | 34 | 16 | 6 | 3 | 298 | 803 |
| North Dakota | - | 1 | 1 | 10 | 15 | 6 | 5 | 2 | - | - | 16 | 56 |
| Ohio | 1 | 34 | 109 | 181 | 207 | 135 | 51 | 21 | 5 | 2 | 118 | 864 |
| Oklahoma | - | 12 | 49 | 55 | 71 | 26 | 11 | 5 | 3 | - | 29 | 261 |
| Oregon | - | 4 | 21 | 40 | 54 | 33 | 23 | 6 | - | 1 | 32 | 214 |
| Pennsylvania | 1 | 23 | 78 | 187 | 194 | 144 | 54 | 32 | 7 | 6 | 114 | 840 |
| Rhode Island | - | 2 | 4 | 9 | 14 | 8 | 3 | - | - | - | 16 | 56 |
| South Carolina | - | 6 | 42 | 66 | 70 | 39 | 13 | 5 | - | 2 | 145 | 388 |
| South Dakota | 1 | - | 8 | 19 | 18 | 10 | 5 | 3 | - | 1 | 7 | 72 |
| Texas | 1 | 79 | 249 | 357 | 412 | 276 | 123 | 54 | 26 | 7 | 171 | 1,755 |
| Utah | - | 4 | 26 | 54 | 76 | 42 | 16 | 4 | 1 | 1 | 29 | 253 |
| Vermont | - | - | 4 | 6 | 6 | 2 | 2 | - | - | - | 4 | 24 |
| Washington | - | 12 | 60 | 91 | 128 | 82 | 43 | 18 | 5 | 2 | 66 | 507 |
| West Virginia | - | 1 | 23 | 20 | 28 | 11 | 4 | 5 | - | - | 18 | 110 |
| Wisconsin | - | - | 8 | 30 | 55 | 45 | 15 | 6 | 1 | 1 | 145 | 306 |
| Wyoming | - | 1 | 4 | 5 | 8 | 5 | 2 | 1 | - | 1 | 8 | 35 |

- Quantity zero

1 Virginia does not report father's age.

2 Father's age was not reported for Alabama, the District of Columbia, Georgia, New Jersey, New York, (including New York City), and Tennessee for 2017.

Fetal Death Documentation Table 8B

Fetal deaths by age of father: U.S. territories, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| Territory | 9-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-98 | Unknown | Total |
|--------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|
| Total ¹ | - | 9 | 43 | 70 | 34 | 22 | 26 | 2 | 4 | 1 | 51 | 262 |
| American Samoa | - | - | 1 | 1 | 1 | - | - | - | 1 | - | - | 4 |
| Puerto Rico | - | 9 | 42 | 69 | 33 | 22 | 26 | 2 | 3 | 1 | 51 | 258 |

- Quantity zero.

¹ Guam and Northern Marianas did not report father's age for 2017.

Fetal Death Documentation Table 9A

Fetal deaths and percent distribution by live birth order: United States and each reporting area, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| State | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8+ | Unknown | Total |
|----------------------|--------|-------|-------|-------|-------|-----|-----|-----|-----|---------|--------|
| | Number | | | | | | | | | | |
| TOTAL | 8,584 | 5,125 | 3,670 | 2,102 | 1,107 | 487 | 267 | 105 | 170 | 1,210 | 22,827 |
| Alabama | 240 | 143 | 94 | 41 | 15 | 3 | 4 | 1 | 3 | 1 | 545 |
| Alaska | 23 | 15 | 13 | 9 | 3 | 4 | 1 | 1 | 3 | 2 | 74 |
| Arizona | 164 | 95 | 92 | 60 | 27 | 8 | 8 | 1 | 5 | 6 | 466 |
| Arkansas | 95 | 59 | 38 | 25 | 10 | 2 | 2 | 3 | 2 | 8 | 244 |
| California | 941 | 470 | 381 | 221 | 126 | 75 | 33 | 8 | 17 | 129 | 2,401 |
| Colorado | 124 | 70 | 51 | 34 | 19 | 7 | 5 | 2 | 3 | 48 | 363 |
| Connecticut | 66 | 44 | 21 | 19 | 4 | - | 1 | 1 | - | 30 | 186 |
| Delaware | 29 | 8 | 10 | 9 | - | 2 | - | - | 1 | - | 59 |
| District of Columbia | 25 | 18 | 13 | 8 | 4 | 1 | - | - | - | - | 69 |
| Florida | 610 | 361 | 277 | 162 | 86 | 33 | 21 | 9 | 10 | 19 | 1,588 |
| Georgia | 416 | 230 | 137 | 85 | 44 | 25 | 11 | 1 | 11 | 85 | 1,045 |
| Hawaii | 45 | 28 | 15 | 7 | 4 | 3 | 2 | 1 | - | 15 | 120 |
| Idaho | 37 | 21 | 20 | 10 | 8 | 4 | 4 | - | 1 | 1 | 106 |
| Illinois | 284 | 240 | 149 | 113 | 51 | 24 | 8 | 6 | 3 | 33 | 911 |
| Indiana | 181 | 146 | 86 | 51 | 27 | 12 | 5 | 2 | - | 8 | 518 |
| Iowa | 74 | 50 | 33 | 22 | 8 | 3 | 3 | 2 | 1 | - | 196 |
| Kansas | 72 | 42 | 29 | 20 | 8 | 11 | 1 | - | 2 | - | 185 |
| Kentucky | 126 | 88 | 66 | 36 | 20 | 8 | 2 | - | 4 | 1 | 351 |
| Louisiana | 142 | 88 | 49 | 30 | 9 | 3 | 3 | 1 | 2 | 2 | 329 |
| Maine | 24 | 11 | 6 | 5 | 1 | 3 | 1 | - | 1 | 16 | 68 |
| Maryland | 209 | 128 | 88 | 41 | 17 | 10 | 9 | 1 | 1 | 1 | 505 |
| Massachusetts | 129 | 87 | 36 | 15 | 9 | 4 | - | - | - | 8 | 288 |
| Michigan | 214 | 111 | 99 | 69 | 36 | 26 | 6 | 5 | 4 | 39 | 609 |
| Minnesota | 154 | 100 | 65 | 32 | 18 | 5 | 5 | - | 2 | 5 | 386 |
| Mississippi | 171 | 101 | 73 | 26 | 26 | 8 | 6 | 1 | 2 | 4 | 418 |
| Missouri | 181 | 90 | 67 | 41 | 16 | 11 | 6 | 1 | 4 | 13 | 430 |
| Montana | 21 | 12 | 10 | 5 | 3 | - | 1 | - | 1 | 1 | 54 |
| Nebraska | 64 | 33 | 28 | 19 | 12 | 1 | 3 | 3 | - | 1 | 164 |
| Nevada | 96 | 61 | 42 | 15 | 17 | 8 | 3 | - | 1 | 1 | 244 |
| New Hampshire | 25 | 10 | 9 | 2 | 5 | - | - | - | - | 2 | 53 |
| New Jersey | 302 | 200 | 118 | 57 | 30 | 6 | 2 | 3 | 5 | 8 | 731 |
| New Mexico | 29 | 14 | 22 | 5 | 1 | 3 | 2 | 1 | - | 5 | 82 |
| New York | 238 | 117 | 68 | 46 | 29 | 9 | 8 | 1 | 11 | 94 | 621 |
| New York City | 351 | 156 | 117 | 38 | 38 | 13 | 15 | 6 | 9 | 89 | 832 |
| North Carolina | 337 | 195 | 131 | 73 | 40 | 15 | 5 | 4 | 1 | 2 | 803 |
| North Dakota | 18 | 13 | 13 | 3 | 3 | - | 3 | - | - | 3 | 56 |
| Ohio | 285 | 212 | 148 | 102 | 54 | 28 | 12 | 7 | 13 | 3 | 864 |
| Oklahoma | 102 | 51 | 37 | 27 | 12 | 5 | 3 | 1 | 2 | 21 | 261 |
| Oregon | 91 | 45 | 40 | 19 | 6 | 1 | 2 | 2 | 3 | 5 | 214 |
| Pennsylvania | 301 | 190 | 140 | 62 | 37 | 15 | 10 | 4 | 6 | 75 | 840 |
| Rhode Island | 21 | 7 | 5 | 1 | 1 | - | - | - | 1 | 20 | 56 |
| South Carolina | 165 | 102 | 67 | 25 | 15 | 8 | 2 | - | 1 | 3 | 388 |
| South Dakota | 25 | 13 | 12 | 11 | 7 | 2 | - | - | 1 | 1 | 72 |
| Tennessee | 207 | 128 | 88 | 64 | 34 | 10 | 9 | 7 | 5 | 1 | 553 |
| Texas | 470 | 356 | 274 | 184 | 95 | 37 | 26 | 11 | 15 | 287 | 1,755 |
| Utah | 86 | 49 | 54 | 36 | 16 | 5 | 1 | 1 | - | 5 | 253 |
| Vermont | 15 | 6 | 1 | - | 1 | - | - | 1 | - | - | 24 |
| Virginia | 199 | 119 | 81 | 38 | 19 | 16 | 7 | 3 | 2 | 5 | 489 |
| Washington | 175 | 83 | 77 | 36 | 19 | 6 | 2 | 3 | 6 | 100 | 507 |
| West Virginia | 46 | 28 | 23 | 3 | 4 | 1 | 2 | - | - | 3 | 110 |
| Wisconsin | 129 | 77 | 46 | 33 | 12 | 2 | 2 | - | 5 | - | 306 |
| Wyoming | 10 | 4 | 11 | 7 | 1 | 1 | - | - | - | 1 | 35 |

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8+ | Total |
|----------------------|---------|------|------|------|-----|-----|-----|-----|-----|-------|
| | Percent | | | | | | | | | |
| TOTAL | 39.7 | 23.7 | 17.0 | 9.7 | 5.1 | 2.3 | 1.2 | 0.5 | 0.8 | 100.0 |
| Alabama | 44.1 | 26.3 | 17.3 | 7.5 | * | * | * | * | * | 100.0 |
| Alaska | 31.9 | * | * | * | * | * | * | * | * | 100.0 |
| Arizona | 35.7 | 20.7 | 20.0 | 13.0 | 5.9 | * | * | * | * | 100.0 |
| Arkansas | 40.3 | 25.0 | 16.1 | 10.6 | * | * | * | * | * | 100.0 |
| California | 41.4 | 20.7 | 16.8 | 9.7 | 5.5 | 3.3 | 1.5 | * | * | 100.0 |
| Colorado | 39.4 | 22.2 | 16.2 | 10.8 | * | * | * | * | * | 100.0 |
| Connecticut | 42.3 | 28.2 | 13.5 | * | * | * | * | * | * | 100.0 |
| Delaware | 49.2 | * | * | * | * | * | * | * | * | 100.0 |
| District of Columbia | 36.2 | * | * | * | * | * | * | * | * | 100.0 |
| Florida | 38.9 | 23.0 | 17.7 | 10.3 | 5.5 | 2.1 | 1.3 | * | * | 100.0 |
| Georgia | 43.3 | 24.0 | 14.3 | 8.9 | 4.6 | 2.6 | * | * | * | 100.0 |
| Hawaii | 42.9 | 26.7 | * | * | * | * | * | * | * | 100.0 |
| Idaho | 35.2 | 20.0 | 19.0 | * | * | * | * | * | * | 100.0 |
| Illinois | 32.3 | 27.3 | 17.0 | 12.9 | 5.8 | 2.7 | * | * | * | 100.0 |
| Indiana | 35.5 | 28.6 | 16.9 | 10.0 | 5.3 | * | * | * | * | 100.0 |
| Iowa | 37.8 | 25.5 | 16.8 | 11.2 | * | * | * | * | * | 100.0 |
| Kansas | 38.9 | 22.7 | 15.7 | 10.8 | * | * | * | * | * | 100.0 |
| Kentucky | 36.0 | 25.1 | 18.9 | 10.3 | 5.7 | * | * | * | * | 100.0 |
| Louisiana | 43.4 | 26.9 | 15.0 | 9.2 | * | * | * | * | * | 100.0 |
| Maine | 46.2 | * | * | * | * | * | * | * | * | 100.0 |
| Maryland | 41.5 | 25.4 | 17.5 | 8.1 | * | * | * | * | * | 100.0 |
| Massachusetts | 46.1 | 31.1 | 12.9 | * | * | * | * | * | * | 100.0 |
| Michigan | 37.5 | 19.5 | 17.4 | 12.1 | 6.3 | 4.6 | * | * | * | 100.0 |
| Minnesota | 40.4 | 26.2 | 17.1 | 8.4 | * | * | * | * | * | 100.0 |
| Mississippi | 41.3 | 24.4 | 17.6 | 6.3 | 6.3 | * | * | * | * | 100.0 |
| Missouri | 43.4 | 21.6 | 16.1 | 9.8 | * | * | * | * | * | 100.0 |
| Montana | 39.6 | * | * | * | * | * | * | * | * | 100.0 |
| Nebraska | 39.3 | 20.2 | 17.2 | * | * | * | * | * | * | 100.0 |
| Nevada | 39.5 | 25.1 | 17.3 | * | * | * | * | * | * | 100.0 |
| New Hampshire | 49.0 | * | * | * | * | * | * | * | * | 100.0 |
| New Jersey | 41.8 | 27.7 | 16.3 | 7.9 | 4.1 | * | * | * | * | 100.0 |
| New Mexico | 37.7 | * | 28.6 | * | * | * | * | * | * | 100.0 |
| New York | 45.2 | 22.2 | 12.9 | 8.7 | 5.5 | * | * | * | * | 100.0 |
| New York City | 47.2 | 21.0 | 15.7 | 5.1 | 5.1 | * | * | * | * | 100.0 |
| North Carolina | 42.1 | 24.3 | 16.4 | 9.1 | 5.0 | * | * | * | * | 100.0 |
| North Dakota | * | * | * | * | * | * | * | * | * | 100.0 |
| Ohio | 33.1 | 24.6 | 17.2 | 11.8 | 6.3 | 3.3 | * | * | * | 100.0 |
| Oklahoma | 42.5 | 21.3 | 15.4 | 11.3 | * | * | * | * | * | 100.0 |
| Oregon | 43.5 | 21.5 | 19.1 | * | * | * | * | * | * | 100.0 |
| Pennsylvania | 39.3 | 24.8 | 18.3 | 8.1 | 4.8 | * | * | * | * | 100.0 |
| Rhode Island | 58.3 | * | * | * | * | * | * | * | * | 100.0 |
| South Carolina | 42.9 | 26.5 | 17.4 | 6.5 | * | * | * | * | * | 100.0 |
| South Dakota | 35.2 | * | * | * | * | * | * | * | * | 100.0 |
| Tennessee | 37.5 | 23.2 | 15.9 | 11.6 | 6.2 | * | * | * | * | 100.0 |
| Texas | 32.0 | 24.3 | 18.7 | 12.5 | 6.5 | 2.5 | 1.8 | * | * | 100.0 |
| Utah | 34.7 | 19.8 | 21.8 | 14.5 | * | * | * | * | * | 100.0 |
| Vermont | * | * | * | * | * | * | * | * | * | 100.0 |
| Virginia | 41.1 | 24.6 | 16.7 | 7.9 | * | * | * | * | * | 100.0 |
| Washington | 43.0 | 20.4 | 18.9 | 8.8 | * | * | * | * | * | 100.0 |
| West Virginia | 43.0 | 26.2 | 21.5 | * | * | * | * | * | * | 100.0 |
| Wisconsin | 42.2 | 25.2 | 15.0 | 10.8 | * | * | * | * | * | 100.0 |
| Wyoming | * | * | * | * | * | * | * | * | * | 100.0 |

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

- Quantity zero

Fetal Death Documentation Table 9B

Fetal deaths and percent distribution by live birth order: U.S. territories, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| Territory | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8+ | Unknown | Total |
|-------------------|-----|----|----|---|---|---|---|---|----|---------|-------|
| TOTAL | 158 | 75 | 40 | 9 | 3 | 2 | 6 | 1 | - | 12 | 306 |
| American Samoa | 1 | 1 | 2 | - | - | - | - | - | - | - | 4 |
| Guam | 12 | 6 | 8 | 1 | 1 | 2 | 3 | 1 | - | 5 | 39 |
| Northern Marianas | - | 3 | 1 | - | - | - | 1 | - | - | - | 5 |
| Puerto Rico | 145 | 65 | 29 | 8 | 2 | - | 2 | - | - | 7 | 258 |

- Quantity zero.

Fetal Death Documentation Table 10A

Fetal deaths by sex of child and sex ratio: United States and each reporting area, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| State | Male | Female | Ratio M/F | Total |
|----------------------|--------|--------|-----------|--------|
| Total | 11,855 | 10,972 | 1,080.5 | 22,827 |
| Alabama | 282 | 263 | 1,072.2 | 545 |
| Alaska | 38 | 36 | 1,055.6 | 74 |
| Arizona | 242 | 224 | 1,080.4 | 466 |
| Arkansas | 122 | 122 | 1,000.0 | 244 |
| California | 1,235 | 1,166 | 1,059.2 | 2,401 |
| Colorado | 182 | 181 | 1,005.5 | 363 |
| Connecticut | 95 | 91 | 1,044.0 | 186 |
| Delaware | 24 | 35 | 685.7 | 59 |
| District of Columbia | 33 | 36 | 916.7 | 69 |
| Florida | 837 | 751 | 1,114.5 | 1,588 |
| Georgia | 547 | 498 | 1,098.4 | 1,045 |
| Hawaii | 66 | 54 | 1,222.2 | 120 |
| Idaho | 52 | 54 | 963.0 | 106 |
| Illinois | 462 | 449 | 1,029.0 | 911 |
| Indiana | 277 | 241 | 1,149.4 | 518 |
| Iowa | 95 | 101 | 940.6 | 196 |
| Kansas | 104 | 81 | 1,284.0 | 185 |
| Kentucky | 187 | 164 | 1,140.2 | 351 |
| Louisiana | 175 | 154 | 1,136.4 | 329 |
| Maine | 40 | 28 | 1,428.6 | 68 |
| Maryland | 269 | 236 | 1,139.8 | 505 |
| Massachusetts | 141 | 147 | 959.2 | 288 |
| Michigan | 294 | 315 | 933.3 | 609 |
| Minnesota | 190 | 196 | 969.4 | 386 |
| Mississippi | 228 | 190 | 1,200.0 | 418 |
| Missouri | 240 | 190 | 1,263.2 | 430 |
| Montana | 32 | 22 | 1,454.5 | 54 |
| Nebraska | 76 | 88 | 863.6 | 164 |
| Nevada | 144 | 100 | 1,440.0 | 244 |
| New Hampshire | 17 | 36 | 472.2 | 53 |
| New Jersey | 381 | 350 | 1,088.6 | 731 |
| New Mexico | 46 | 36 | 1,277.8 | 82 |
| New York | 327 | 294 | 1,112.2 | 621 |
| New York City | 449 | 383 | 1,172.3 | 832 |
| North Carolina | 408 | 395 | 1,032.9 | 803 |
| North Dakota | 23 | 33 | 697.0 | 56 |
| Ohio | 445 | 419 | 1,062.1 | 864 |
| Oklahoma | 126 | 135 | 933.3 | 261 |
| Oregon | 114 | 100 | 1,140.0 | 214 |
| Pennsylvania | 414 | 426 | 971.8 | 840 |
| Rhode Island | 26 | 30 | 866.7 | 56 |
| South Carolina | 198 | 190 | 1,042.1 | 388 |
| South Dakota | 38 | 34 | 1,117.6 | 72 |
| Tennessee | 291 | 262 | 1,110.7 | 553 |
| Texas | 905 | 850 | 1,064.7 | 1,755 |
| Utah | 139 | 114 | 1,219.3 | 253 |
| Vermont | 11 | 13 | 846.2 | 24 |
| Virginia | 281 | 208 | 1,351.0 | 489 |
| Washington | 261 | 246 | 1,061.0 | 507 |
| West Virginia | 60 | 50 | 1,200.0 | 110 |
| Wisconsin | 165 | 141 | 1,170.2 | 306 |
| Wyoming | 21 | 14 | 1,500.0 | 35 |

– Quantity zero.

Fetal Death Documentation Table 10B

Fetal deaths by sex of child and sex ratio: U.S. territories, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| Territory | Male | Female | Ratio M/F | Total |
|-------------------|------|--------|-----------|-------|
| Total | 168 | 138 | 1,217.4 | 306 |
| American Samoa | 4 | 0 | * | 4 |
| Guam | 23 | 16 | 1,437.5 | 39 |
| Northern Marianas | 2 | 3 | 666.7 | 5 |
| Puerto Rico | 139 | 119 | 1,168.1 | 258 |

– Quantity zero.

* Ratio cannot be calculated.

Fetal Death Documentation Table 11A
Fetal deaths by plurality: United States and each reporting area, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| State | Single | Twin | Triplet | Quadruplet | Quintuplet+ | Total |
|----------------------|--------|-------|---------|------------|-------------|--------|
| TOTAL | 21,040 | 1,674 | 100 | 12 | 1 | 22,827 |
| Alabama | 489 | 49 | - | 7 | - | 545 |
| Alaska | 67 | 7 | - | - | - | 74 |
| Arizona | 426 | 38 | 2 | - | - | 466 |
| Arkansas | 224 | 20 | - | - | - | 244 |
| California | 2,172 | 218 | 11 | - | - | 2,401 |
| Colorado | 336 | 27 | - | - | - | 363 |
| Connecticut | 165 | 20 | 1 | - | - | 186 |
| Delaware | 58 | 1 | - | - | - | 59 |
| District of Columbia | 67 | 2 | - | - | - | 69 |
| Florida | 1,475 | 107 | 6 | - | - | 1,588 |
| Georgia | 959 | 83 | 3 | - | - | 1,045 |
| Hawaii | 113 | 7 | - | - | - | 120 |
| Idaho | 100 | 6 | - | - | - | 106 |
| Illinois | 827 | 78 | 5 | - | 1 | 911 |
| Indiana | 475 | 39 | 3 | 1 | - | 518 |
| Iowa | 182 | 14 | - | - | - | 196 |
| Kansas | 174 | 11 | - | - | - | 185 |
| Kentucky | 323 | 25 | 3 | - | - | 351 |
| Louisiana | 306 | 23 | - | - | - | 329 |
| Maine | 62 | 6 | - | - | - | 68 |
| Maryland | 483 | 22 | - | - | - | 505 |
| Massachusetts | 253 | 33 | - | 2 | - | 288 |
| Michigan | 562 | 43 | 4 | - | - | 609 |
| Minnesota | 358 | 26 | 2 | - | - | 386 |
| Mississippi | 381 | 37 | - | - | - | 418 |
| Missouri | 401 | 27 | 2 | - | - | 430 |
| Montana | 48 | 6 | - | - | - | 54 |
| Nebraska | 154 | 9 | 1 | - | - | 164 |
| Nevada | 229 | 15 | - | - | - | 244 |
| New Hampshire | 47 | 6 | - | - | - | 53 |
| New Jersey | 669 | 52 | 10 | - | - | 731 |
| New Mexico | 78 | 4 | - | - | - | 82 |
| New York | 573 | 41 | 6 | 1 | - | 621 |
| New York City | 769 | 61 | 2 | - | - | 832 |
| North Carolina | 734 | 69 | - | - | - | 803 |
| North Dakota | 56 | - | - | - | - | 56 |
| Ohio | 800 | 57 | 7 | - | - | 864 |
| Oklahoma | 240 | 19 | 2 | - | - | 261 |
| Oregon | 204 | 10 | - | - | - | 214 |
| Pennsylvania | 762 | 72 | 6 | - | - | 840 |
| Rhode Island | 47 | 8 | 1 | - | - | 56 |
| South Carolina | 354 | 31 | 3 | - | - | 388 |
| South Dakota | 64 | 7 | 1 | - | - | 72 |
| Tennessee | 514 | 36 | 3 | - | - | 553 |
| Texas | 1,659 | 89 | 7 | - | - | 1,755 |
| Utah | 236 | 16 | 1 | - | - | 253 |
| Vermont | 22 | 1 | 1 | - | - | 24 |
| Virginia | 455 | 28 | 5 | 1 | - | 489 |
| Washington | 480 | 27 | - | - | - | 507 |
| West Virginia | 99 | 11 | - | - | - | 110 |
| Wisconsin | 282 | 22 | 2 | - | - | 306 |
| Wyoming | 27 | 8 | - | - | - | 35 |

- Quantity zero.

Fetal Death Documentation Table 11B
Fetal deaths by plurality: U.S. territories, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| Territory | Single | Twin | Triplet | Quadruplet | Quintuplet+ | Total |
|-------------------|--------|------|---------|------------|-------------|-------|
| TOTAL | 294 | 12 | - | - | - | 306 |
| American Samoa | 4 | - | - | - | - | 4 |
| Guam | 39 | - | - | - | - | 39 |
| Northern Marianas | 5 | - | - | - | - | 5 |
| Puerto Rico | 246 | 12 | - | - | - | 258 |

- Quantity zero.

Fetal Death Documentation Table 12A

Fetal deaths and percent distribution by period of gestation (in weeks): United States and each reporting area, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| State | 20-27 | 28-31 | 32-33 | 34-36 | 37-38 | 39-40 | 41 | 42 or more | Unknown | Total |
|----------------------|--------|-------|-------|-------|-------|-------|-----|------------|---------|--------|
| TOTAL | 11,792 | 2,809 | 1,531 | 2,784 | 2,152 | 1,414 | 168 | 45 | 132 | 22,827 |
| Alabama | 306 | 71 | 46 | 59 | 39 | 20 | 1 | - | 3 | 545 |
| Alaska | 38 | 9 | 7 | 10 | 5 | 4 | - | - | 1 | 74 |
| Arizona | 222 | 73 | 34 | 50 | 52 | 27 | 7 | - | 1 | 466 |
| Arkansas | 109 | 37 | 14 | 31 | 28 | 18 | 3 | 2 | 2 | 244 |
| California | 1,193 | 299 | 169 | 261 | 246 | 177 | 30 | 6 | 20 | 2,401 |
| Colorado | 213 | 33 | 17 | 36 | 34 | 23 | 2 | 2 | 3 | 363 |
| Connecticut | 99 | 24 | 11 | 20 | 15 | 14 | 2 | - | 1 | 186 |
| Delaware | 26 | 9 | 4 | 9 | 6 | 4 | 1 | - | - | 59 |
| District of Columbia | 32 | 10 | 2 | 12 | 6 | 6 | - | - | 1 | 69 |
| Florida | 830 | 182 | 132 | 182 | 146 | 75 | 8 | 3 | 30 | 1,588 |
| Georgia | 601 | 123 | 59 | 109 | 90 | 49 | 4 | 2 | 8 | 1,045 |
| Hawaii | 62 | 16 | 4 | 13 | 14 | 7 | 1 | - | 3 | 120 |
| Idaho | 53 | 12 | 4 | 8 | 17 | 9 | 3 | - | - | 106 |
| Illinois | 509 | 107 | 45 | 100 | 89 | 55 | 3 | - | 3 | 911 |
| Indiana | 252 | 78 | 36 | 60 | 46 | 38 | 3 | 2 | 3 | 518 |
| Iowa | 99 | 22 | 15 | 24 | 15 | 16 | 4 | 1 | - | 196 |
| Kansas | 94 | 25 | 9 | 26 | 16 | 9 | 5 | - | 1 | 185 |
| Kentucky | 161 | 52 | 25 | 53 | 38 | 18 | 2 | 2 | - | 351 |
| Louisiana | 161 | 53 | 23 | 38 | 24 | 28 | 1 | - | 1 | 329 |
| Maine | 36 | 9 | 3 | 9 | 5 | 5 | 1 | - | - | 68 |
| Maryland | 299 | 53 | 27 | 61 | 35 | 25 | 4 | 1 | - | 505 |
| Massachusetts | 132 | 41 | 20 | 41 | 28 | 25 | 1 | - | - | 288 |
| Michigan | 307 | 84 | 46 | 84 | 44 | 35 | 4 | 2 | 3 | 609 |
| Minnesota | 211 | 26 | 24 | 53 | 42 | 21 | 6 | 2 | 1 | 386 |
| Mississippi | 232 | 46 | 30 | 56 | 39 | 13 | - | - | 2 | 418 |
| Missouri | 219 | 55 | 27 | 59 | 40 | 27 | 2 | - | 1 | 430 |
| Montana | 30 | 9 | 3 | 6 | 1 | 5 | - | - | - | 54 |
| Nebraska | 81 | 16 | 11 | 27 | 11 | 16 | 2 | - | - | 164 |
| Nevada | 134 | 26 | 13 | 33 | 24 | 14 | - | - | - | 244 |
| New Hampshire | 22 | 4 | 12 | 4 | 5 | 5 | - | 1 | - | 53 |
| New Jersey | 454 | 62 | 39 | 80 | 48 | 40 | 8 | - | - | 731 |
| New Mexico | 48 | 12 | 4 | 9 | 5 | 4 | - | - | - | 82 |
| New York | 304 | 76 | 44 | 85 | 55 | 42 | 8 | 3 | 4 | 621 |
| New York City | 485 | 84 | 44 | 88 | 65 | 43 | 5 | 1 | 17 | 832 |
| North Carolina | 390 | 112 | 51 | 123 | 70 | 49 | 7 | 1 | - | 803 |
| North Dakota | 27 | 5 | 5 | 5 | 9 | 4 | - | 1 | - | 56 |
| Ohio | 451 | 123 | 57 | 90 | 77 | 61 | 3 | 2 | - | 864 |
| Oklahoma | 136 | 28 | 20 | 40 | 24 | 12 | - | - | 1 | 261 |
| Oregon | 93 | 23 | 17 | 31 | 25 | 23 | 2 | - | - | 214 |
| Pennsylvania | 397 | 110 | 51 | 121 | 91 | 65 | 4 | - | 1 | 840 |
| Rhode Island | 26 | 7 | 3 | 9 | 7 | 2 | 1 | - | 1 | 56 |
| South Carolina | 160 | 57 | 33 | 58 | 51 | 28 | 1 | - | - | 388 |
| South Dakota | 29 | 8 | 5 | 14 | 5 | 7 | 2 | 1 | 1 | 72 |
| Tennessee | 292 | 78 | 31 | 65 | 55 | 26 | 2 | 2 | 2 | 553 |
| Texas | 834 | 238 | 136 | 237 | 191 | 100 | 11 | 2 | 6 | 1,755 |
| Utah | 135 | 18 | 20 | 39 | 24 | 16 | 1 | - | - | 253 |
| Vermont | 9 | 3 | 3 | 2 | 4 | 2 | 1 | - | - | 24 |
| Virginia | 270 | 56 | 27 | 52 | 47 | 29 | 4 | 2 | 2 | 489 |
| Washington | 282 | 50 | 27 | 48 | 53 | 34 | 4 | 2 | 7 | 507 |
| West Virginia | 36 | 21 | 15 | 14 | 12 | 9 | 1 | 1 | 1 | 110 |
| Wisconsin | 152 | 31 | 25 | 37 | 30 | 26 | 3 | 1 | 1 | 306 |
| Wyoming | 19 | 3 | 2 | 3 | 4 | 4 | - | - | - | 35 |

| State | 20-27 | 28-31 | 32-33 | 34-36 | 37-38 | 39-40 | 41 | 42 or more | Total |
|----------------------|---------|-------|-------|-------|-------|-------|-----|------------|-------|
| | Percent | | | | | | | | |
| TOTAL | 52.0 | 12.4 | 6.7 | 12.3 | 9.5 | 6.2 | 0.7 | 0.2 | 100.0 |
| Alabama | 56.5 | 13.1 | 8.5 | 10.9 | 7.2 | 3.7 | * | * | 100.0 |
| Alaska | 52.1 | * | * | * | * | * | * | * | 100.0 |
| Arizona | 47.7 | 15.7 | 7.3 | 10.8 | 11.2 | 5.8 | * | * | 100.0 |
| Arkansas | 45.0 | 15.3 | * | 12.8 | 11.6 | * | * | * | 100.0 |
| California | 50.1 | 12.6 | 7.1 | 11.0 | 10.3 | 7.4 | 1.3 | * | 100.0 |
| Colorado | 59.2 | 9.2 | * | 10.0 | 9.4 | 6.4 | * | * | 100.0 |
| Connecticut | 53.5 | 13.0 | * | 10.8 | * | * | * | * | 100.0 |
| Delaware | 44.1 | * | * | * | * | * | * | * | 100.0 |
| District of Columbia | 47.1 | * | * | * | * | * | * | * | 100.0 |
| Florida | 53.3 | 11.7 | 8.5 | 11.7 | 9.4 | 4.8 | * | * | 100.0 |
| Georgia | 58.0 | 11.9 | 5.7 | 10.5 | 8.7 | 4.7 | * | * | 100.0 |
| Hawaii | 53.0 | * | * | * | * | * | * | * | 100.0 |
| Idaho | 50.0 | * | * | * | * | * | * | * | 100.0 |
| Illinois | 56.1 | 11.8 | 5.0 | 11.0 | 9.8 | 6.1 | * | * | 100.0 |
| Indiana | 48.9 | 15.1 | 7.0 | 11.7 | 8.9 | 7.4 | * | * | 100.0 |
| Iowa | 50.5 | 11.2 | * | 12.2 | * | * | * | * | 100.0 |
| Kansas | 51.1 | 13.6 | * | 14.1 | * | * | * | * | 100.0 |
| Kentucky | 45.9 | 14.8 | 7.1 | 15.1 | 10.8 | * | * | * | 100.0 |
| Louisiana | 49.1 | 16.2 | 7.0 | 11.6 | 7.3 | 8.5 | * | * | 100.0 |
| Maine | 52.9 | * | * | * | * | * | * | * | 100.0 |
| Maryland | 59.2 | 10.5 | 5.3 | 12.1 | 6.9 | 5.0 | * | * | 100.0 |
| Massachusetts | 45.8 | 14.2 | 6.9 | 14.2 | 9.7 | 8.7 | * | * | 100.0 |
| Michigan | 50.7 | 13.9 | 7.6 | 13.9 | 7.3 | 5.8 | * | * | 100.0 |
| Minnesota | 54.8 | 6.8 | 6.2 | 13.8 | 10.9 | 5.5 | * | * | 100.0 |
| Mississippi | 55.8 | 11.1 | 7.2 | 13.5 | 9.4 | * | * | * | 100.0 |
| Missouri | 51.0 | 12.8 | 6.3 | 13.8 | 9.3 | 6.3 | * | * | 100.0 |
| Montana | 55.6 | * | * | * | * | * | * | * | 100.0 |
| Nebraska | 49.4 | * | * | 16.5 | * | * | * | * | 100.0 |
| Nevada | 54.9 | 10.7 | * | 13.5 | 9.8 | * | * | * | 100.0 |
| New Hampshire | 41.5 | * | * | * | * | * | * | * | 100.0 |
| New Jersey | 62.1 | 8.5 | 5.3 | 10.9 | 6.6 | 5.5 | * | * | 100.0 |
| New Mexico | 58.5 | * | * | * | * | * | * | * | 100.0 |
| New York | 49.3 | 12.3 | 7.1 | 13.8 | 8.9 | 6.8 | * | * | 100.0 |
| New York City | 59.5 | 10.3 | 5.4 | 10.8 | 8.0 | 5.3 | * | * | 100.0 |
| North Carolina | 48.6 | 13.9 | 6.4 | 15.3 | 8.7 | 6.1 | * | * | 100.0 |
| North Dakota | 48.2 | * | * | * | * | * | * | * | 100.0 |
| Ohio | 52.2 | 14.2 | 6.6 | 10.4 | 8.9 | 7.1 | * | * | 100.0 |
| Oklahoma | 52.3 | 10.8 | 7.7 | 15.4 | 9.2 | * | * | * | 100.0 |
| Oregon | 43.5 | 10.7 | * | 14.5 | 11.7 | 10.7 | * | * | 100.0 |
| Pennsylvania | 47.3 | 13.1 | 6.1 | 14.4 | 10.8 | 7.7 | * | * | 100.0 |
| Rhode Island | 47.3 | * | * | * | * | * | * | * | 100.0 |
| South Carolina | 41.2 | 14.7 | 8.5 | 14.9 | 13.1 | 7.2 | * | * | 100.0 |
| South Dakota | 40.8 | * | * | * | * | * | * | * | 100.0 |
| Tennessee | 53.0 | 14.2 | 5.6 | 11.8 | 10.0 | 4.7 | * | * | 100.0 |
| Texas | 47.7 | 13.6 | 7.8 | 13.6 | 10.9 | 5.7 | * | * | 100.0 |
| Utah | 53.4 | * | 7.9 | 15.4 | 9.5 | * | * | * | 100.0 |
| Vermont | * | * | * | * | * | * | * | * | 100.0 |
| Virginia | 55.4 | 11.5 | 5.5 | 10.7 | 9.7 | 6.0 | * | * | 100.0 |
| Washington | 56.4 | 10.0 | 5.4 | 9.6 | 10.6 | 6.8 | * | * | 100.0 |
| West Virginia | 33.0 | 19.3 | * | * | * | * | * | * | 100.0 |
| Wisconsin | 49.8 | 10.2 | 8.2 | 12.1 | 9.8 | 8.5 | * | * | 100.0 |
| Wyoming | * | * | * | * | * | * | * | * | 100.0 |

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

Fetal Death Documentation Table 12B

Fetal deaths by period of gestation (in weeks): U.S. territories, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| Territory | 20-27 | 28-31 | 32-33 | 34-36 | 37-38 | 39-40 | 41 | 42 or more | Unknown | Total |
|-------------------|-------|-------|-------|-------|-------|-------|----|------------|---------|-------|
| TOTAL | 171 | 40 | 15 | 39 | 19 | 17 | 3 | 1 | 1 | 306 |
| American Samoa | 1 | 1 | - | 2 | - | - | - | - | - | 4 |
| Guam | 18 | 3 | 3 | 9 | 1 | 3 | 2 | - | - | 39 |
| Northern Marianas | 2 | - | - | 1 | 2 | - | - | - | - | 5 |
| Puerto Rico | 150 | 36 | 12 | 27 | 16 | 14 | 1 | 1 | 1 | 258 |

- Quantity zero.

Fetal Death Documentation Table 13A

Fetal deaths and percent distribution by birthweight (in grams): United States and each reporting area, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| State | <0500 | 0500-0999 | 1000-1499 | 1500-1999 | 2000-2499 | 2500-2999 | 3000-3499 | 3500-3999 | 4000-4499 | 4500-4999 | 5000-8165 | Unknown | Total |
|----------------------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|--------|
| | Number | | | | | | | | | | | | |
| Total | 7,655 | 4,019 | 2,053 | 1,837 | 1,711 | 1,697 | 1,217 | 615 | 247 | 89 | 48 | 1,639 | 22,827 |
| Alabama | 217 | 93 | 56 | 52 | 41 | 27 | 16 | 7 | 7 | 2 | - | 27 | 545 |
| Alaska | 25 | 9 | 7 | 8 | 9 | 3 | 4 | 2 | - | - | - | 7 | 74 |
| Arizona | 160 | 78 | 54 | 39 | 28 | 34 | 31 | 15 | 7 | 6 | - | 14 | 466 |
| Arkansas | 62 | 54 | 28 | 19 | 25 | 18 | 16 | 9 | 2 | 1 | - | 10 | 244 |
| California | 791 | 435 | 211 | 189 | 196 | 163 | 147 | 76 | 25 | 20 | 6 | 142 | 2,401 |
| Colorado | 106 | 47 | 22 | 21 | 28 | 18 | 20 | 11 | 6 | - | 1 | 83 | 363 |
| Connecticut | 59 | 23 | 15 | 19 | 15 | 11 | 12 | 6 | - | - | - | 26 | 186 |
| Delaware | 16 | 12 | 4 | 8 | 6 | 5 | 2 | 2 | 1 | 1 | - | 2 | 59 |
| District of Columbia | 22 | 15 | 4 | 6 | 7 | 8 | 3 | 3 | - | - | - | 1 | 69 |
| Florida | 546 | 277 | 146 | 140 | 112 | 113 | 81 | 33 | 17 | 1 | 6 | 116 | 1,588 |
| Georgia | 368 | 165 | 87 | 75 | 80 | 62 | 41 | 20 | 8 | 2 | 3 | 134 | 1,045 |
| Hawaii | 32 | 6 | 4 | 5 | 5 | 6 | 7 | 2 | 1 | 1 | - | 51 | 120 |
| Idaho | 39 | 16 | 8 | 6 | 8 | 11 | 7 | 4 | 1 | 2 | - | 4 | 106 |
| Illinois | 350 | 167 | 70 | 65 | 62 | 81 | 49 | 13 | 10 | 2 | 2 | 40 | 911 |
| Indiana | 196 | 71 | 58 | 45 | 35 | 34 | 30 | 10 | 6 | 3 | 3 | 27 | 518 |
| Iowa | 69 | 32 | 12 | 19 | 15 | 18 | 13 | 9 | 2 | 1 | - | 6 | 196 |
| Kansas | 72 | 37 | 14 | 15 | 13 | 17 | 8 | 6 | - | 2 | - | 1 | 185 |
| Kentucky | 113 | 72 | 33 | 37 | 29 | 32 | 15 | 9 | 7 | 1 | 1 | 2 | 351 |
| Louisiana | 103 | 62 | 37 | 19 | 25 | 24 | 19 | 11 | 3 | - | 1 | 25 | 329 |
| Maine | 19 | 7 | 5 | 7 | 3 | 6 | 4 | 3 | 1 | - | - | 13 | 68 |
| Maryland | 202 | 95 | 48 | 39 | 30 | 37 | 20 | 9 | 7 | 2 | 1 | 15 | 505 |
| Massachusetts | 80 | 65 | 31 | 27 | 26 | 23 | 18 | 11 | 2 | 1 | - | 4 | 288 |
| Michigan | 214 | 111 | 68 | 55 | 48 | 46 | 22 | 12 | 9 | - | - | 24 | 609 |
| Minnesota | 151 | 52 | 33 | 23 | 24 | 38 | 25 | 14 | 3 | 4 | 1 | 18 | 386 |
| Mississippi | 140 | 92 | 38 | 46 | 31 | 26 | 18 | 5 | 1 | 2 | 2 | 17 | 418 |
| Missouri | 139 | 73 | 34 | 36 | 28 | 43 | 17 | 16 | 7 | 1 | 1 | 35 | 430 |
| Montana | 20 | 14 | 2 | 5 | 1 | 2 | 5 | 2 | - | - | - | 3 | 54 |
| Nebraska | 52 | 29 | 12 | 13 | 15 | 15 | 11 | 7 | 3 | - | 1 | 6 | 164 |
| Nevada | 93 | 40 | 27 | 20 | 14 | 17 | 15 | 9 | 4 | 1 | - | 4 | 244 |
| New Hampshire | 13 | 13 | 5 | 5 | 5 | 5 | 2 | 3 | 1 | - | - | 1 | 53 |
| New Jersey | 359 | 105 | 52 | 52 | 50 | 43 | 30 | 18 | 4 | 3 | 1 | 14 | 731 |
| New Mexico | 29 | 14 | 14 | 7 | 4 | 7 | 2 | 2 | - | - | - | 3 | 82 |
| New York | 155 | 116 | 52 | 35 | 43 | 40 | 29 | 14 | 6 | 1 | 1 | 129 | 621 |
| New York City | 295 | 188 | 67 | 54 | 56 | 44 | 43 | 20 | 8 | - | 5 | 52 | 832 |
| North Carolina | 279 | 116 | 88 | 70 | 64 | 66 | 46 | 24 | 9 | 5 | 1 | 35 | 803 |
| North Dakota | 19 | 11 | 2 | 2 | 6 | 8 | 2 | 4 | 1 | - | - | 1 | 56 |
| Ohio | 318 | 171 | 74 | 87 | 50 | 60 | 42 | 33 | 9 | 1 | 1 | 18 | 864 |
| Oklahoma | 84 | 37 | 27 | 17 | 19 | 25 | 16 | 4 | 1 | - | 1 | 30 | 261 |
| Oregon | 48 | 45 | 22 | 21 | 23 | 24 | 11 | 7 | 6 | 2 | - | 5 | 214 |
| Pennsylvania | 240 | 137 | 62 | 64 | 61 | 74 | 47 | 29 | 9 | 1 | 2 | 114 | 840 |
| Rhode Island | 16 | 5 | 4 | 5 | 5 | 4 | 3 | 3 | - | - | - | 11 | 56 |
| South Carolina | 85 | 86 | 38 | 44 | 33 | 44 | 24 | 9 | 4 | 5 | 1 | 15 | 388 |
| South Dakota | 20 | 10 | 6 | 10 | 6 | 7 | 7 | 3 | 2 | - | - | 1 | 72 |
| Tennessee | 230 | 89 | 46 | 35 | 57 | 34 | 30 | 8 | 6 | 3 | 1 | 14 | 553 |
| Texas | 484 | 376 | 198 | 148 | 153 | 148 | 105 | 51 | 19 | 5 | 3 | 65 | 1,755 |
| Utah | 83 | 32 | 14 | 19 | 20 | 24 | 19 | 4 | 1 | - | 1 | 36 | 253 |
| Vermont | 6 | 2 | 2 | 3 | - | 6 | 2 | 1 | - | - | - | 2 | 24 |
| Virginia | 163 | 65 | 40 | 30 | 28 | 30 | 24 | 11 | 7 | - | - | 91 | 489 |
| Washington | 130 | 74 | 32 | 29 | 36 | 25 | 29 | 15 | 5 | 3 | - | 129 | 507 |
| West Virginia | 21 | 18 | 14 | 14 | 8 | 15 | 7 | 3 | 6 | 1 | - | 3 | 110 |
| Wisconsin | 108 | 53 | 23 | 27 | 24 | 23 | 18 | 12 | 2 | 2 | 1 | 13 | 306 |
| Wyoming | 14 | 7 | 3 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | - | - | 35 |

| State | <0500 | 0500-0999 | 1000-1499 | 1500-1999 | 2000-2499 | 2500-2999 | 3000-3499 | 3500-3999 | 4000-4499 | 4500-4999 | 5000-8165 | Total |
|----------------------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|
| Percent | | | | | | | | | | | | |
| Total | 36.1 | 19.0 | 9.7 | 8.7 | 8.1 | 8.0 | 5.7 | 2.9 | 1.2 | 0.4 | 0.2 | 100.0 |
| Alabama | 41.9 | 18.0 | 10.8 | 10.0 | 7.9 | 5.2 | * | * | * | * | * | 100.0 |
| Alaska | 37.3 | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Arizona | 35.4 | 17.3 | 11.9 | 8.6 | 6.2 | 7.5 | 6.9 | * | * | * | * | 100.0 |
| Arkansas | 26.5 | 23.1 | 12.0 | * | 10.7 | * | * | * | * | * | * | 100.0 |
| California | 35.0 | 19.3 | 9.3 | 8.4 | 8.7 | 7.2 | 6.5 | 3.4 | 1.1 | 0.9 | * | 100.0 |
| Colorado | 37.9 | 16.8 | 7.9 | 7.5 | 10.0 | * | 7.1 | * | * | * | * | 100.0 |
| Connecticut | 36.9 | 14.4 | * | * | * | * | * | * | * | * | * | 100.0 |
| Delaware | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| District of Columbia | 32.4 | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Florida | 37.1 | 18.8 | 9.9 | 9.5 | 7.6 | 7.7 | 5.5 | 2.2 | * | * | * | 100.0 |
| Georgia | 40.4 | 18.1 | 9.5 | 8.2 | 8.8 | 6.8 | 4.5 | 2.2 | * | * | * | 100.0 |
| Hawaii | 46.4 | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Idaho | 38.2 | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Illinois | 40.2 | 19.2 | 8.0 | 7.5 | 7.1 | 9.3 | 5.6 | * | * | * | * | 100.0 |
| Indiana | 39.9 | 14.5 | 11.8 | 9.2 | 7.1 | 6.9 | 6.1 | * | * | * | * | 100.0 |
| Iowa | 36.3 | 16.8 | * | * | * | * | * | * | * | * | * | 100.0 |
| Kansas | 39.1 | 20.1 | * | * | * | * | * | * | * | * | * | 100.0 |
| Kentucky | 32.4 | 20.6 | 9.5 | 10.6 | 8.3 | 9.2 | * | * | * | * | * | 100.0 |
| Louisiana | 33.9 | 20.4 | 12.2 | * | 8.2 | 7.9 | * | * | * | * | * | 100.0 |
| Maine | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Maryland | 41.2 | 19.4 | 9.8 | 8.0 | 6.1 | 7.6 | 4.1 | * | * | * | * | 100.0 |
| Massachusetts | 28.2 | 22.9 | 10.9 | 9.5 | 9.2 | 8.1 | * | * | * | * | * | 100.0 |
| Michigan | 36.6 | 19.0 | 11.6 | 9.4 | 8.2 | 7.9 | 3.8 | * | * | * | * | 100.0 |
| Minnesota | 41.0 | 14.1 | 9.0 | 6.3 | 6.5 | 10.3 | 6.8 | * | * | * | * | 100.0 |
| Mississippi | 34.9 | 22.9 | 9.5 | 11.5 | 7.7 | 6.5 | * | * | * | * | * | 100.0 |
| Missouri | 35.2 | 18.5 | 8.6 | 9.1 | 7.1 | 10.9 | * | * | * | * | * | 100.0 |
| Montana | 39.2 | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Nebraska | 32.9 | 18.4 | * | * | * | * | * | * | * | * | * | 100.0 |
| Nevada | 38.8 | 16.7 | 11.3 | 8.3 | * | * | * | * | * | * | * | 100.0 |
| New Hampshire | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| New Jersey | 50.1 | 14.6 | 7.3 | 7.3 | 7.0 | 6.0 | 4.2 | * | * | * | * | 100.0 |
| New Mexico | 36.7 | * | * | * | * | * | * | * | * | * | * | 100.0 |
| New York | 31.5 | 23.6 | 10.6 | 7.1 | 8.7 | 8.1 | 5.9 | * | * | * | * | 100.0 |
| New York City | 37.8 | 24.1 | 8.6 | 6.9 | 7.2 | 5.6 | 5.5 | 2.6 | * | * | * | 100.0 |
| North Carolina | 36.3 | 15.1 | 11.5 | 9.1 | 8.3 | 8.6 | 6.0 | 3.1 | * | * | * | 100.0 |
| North Dakota | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Ohio | 37.6 | 20.2 | 8.7 | 10.3 | 5.9 | 7.1 | 5.0 | 3.9 | * | * | * | 100.0 |
| Oklahoma | 36.4 | 16.0 | 11.7 | * | * | 10.8 | * | * | * | * | * | 100.0 |
| Oregon | 23.0 | 21.5 | 10.5 | 10.0 | 11.0 | 11.5 | * | * | * | * | * | 100.0 |
| Pennsylvania | 33.1 | 18.9 | 8.5 | 8.8 | 8.4 | 10.2 | 6.5 | 4.0 | * | * | * | 100.0 |
| Rhode Island | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| South Carolina | 22.8 | 23.1 | 10.2 | 11.8 | 8.8 | 11.8 | 6.4 | * | * | * | * | 100.0 |
| South Dakota | 28.2 | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Tennessee | 42.7 | 16.5 | 8.5 | 6.5 | 10.6 | 6.3 | 5.6 | * | * | * | * | 100.0 |
| Texas | 28.6 | 22.2 | 11.7 | 8.8 | 9.1 | 8.8 | 6.2 | 3.0 | * | * | * | 100.0 |
| Utah | 38.2 | 14.7 | * | * | 9.2 | 11.1 | * | * | * | * | * | 100.0 |
| Vermont | * | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Virginia | 41.0 | 16.3 | 10.1 | 7.5 | 7.0 | 7.5 | 6.0 | * | * | * | * | 100.0 |
| Washington | 34.4 | 19.6 | 8.5 | 7.7 | 9.5 | 6.6 | 7.7 | * | * | * | * | 100.0 |
| West Virginia | 19.6 | * | * | * | * | * | * | * | * | * | * | 100.0 |
| Wisconsin | 36.9 | 18.1 | 7.8 | 9.2 | 8.2 | 7.8 | * | * | * | * | * | 100.0 |
| Wyoming | * | * | * | * | * | * | * | * | * | * | * | 100.0 |

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

- Quantity zero.

Fetal Death Documentation Table 13B

Fetal deaths by birthweight (in grams): U.S. territories, 2017

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| Territory | <0500 | 0500-0999 | 1000-1499 | 1500-1999 | 2000-2499 | 2500-2999 | 3000-3499 | 3500-3999 | 4000-4499 | 4500-4999 | 5000-8165 | Unknown | Total |
|-------------------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-------|
| Total | 102 | 76 | 23 | 19 | 32 | 16 | 12 | 10 | 2 | 2 | - | 12 | 306 |
| American Samoa | - | 1 | 1 | - | 1 | - | - | - | 1 | - | - | - | 4 |
| Guam | 11 | 7 | 2 | 2 | 9 | 3 | 1 | 2 | 1 | 1 | - | - | 39 |
| Northern Marianas | 2 | - | - | 1 | 1 | - | - | - | - | - | - | 1 | 5 |
| Puerto Rico | 89 | 68 | 20 | 16 | 21 | 13 | 11 | 8 | - | 1 | - | 11 | 258 |

- Quantity zero.

Table A. 2017 Fetal Deaths: Control Count Totals for Revised Data Items

| Revised data item | Location in layout | Total number of fetal deaths to residents of areas reporting specified revised item ¹ | |
|--|-----------------------|--|-------------|
| | | U.S. | Territories |
| Delivery time | 21-24 | 22,020 | 302 |
| Delivery place (revised) | 34 | 22,020 | 302 |
| Mother's birth state recode | 97 | 22,020 | 302 |
| Mother's race (revised) | 132-133, 134, 135-136 | 22,020 | 302 |
| Mother's race (revised)/Hispanic origin | 144 | 22,020 | 302 |
| Mother's Education | 145 | 21,964 | 302 |
| Interval since last live birth | 197-199, 200-201 | 21,457 | 302 |
| Prenatal Care | 202-203, 204, 213 | 21,964 | 302 |
| WIC | 229 | 21,132 | 302 |
| Cigarettes Before Pregnancy (revised) | 230-231 | 21,844 | 302 |
| Cigarettes 1 st trimester | 232-233 | 21,844 | 302 |
| Cigarettes 2 nd trimester | 234-235 | 21,844 | 302 |
| Cigarettes 3 rd trimester | 236-237 | 21,844 | 302 |
| Cigarette Recode | 238 | 21,844 | 302 |
| Mother's Height | 243-244 | 21,964 | 302 |
| Body mass index (prepregnancy) | 245-248, 249 | 21,964 | 302 |
| Prepregnancy Weight | 253-255 | 21,964 | 302 |
| Prepregnancy Diabetes | 257 | 21,457 | 302 |
| Gestational Diabetes | 258 | 21,457 | 302 |
| Prepregnancy Hypertension (revised only) | 259 | 21,457 | 302 |
| Gestational Hypertension (revised only) | 260 | 21,457 | 302 |
| Hypertension Eclampsia (revised only) | 261 | 21,457 | 302 |
| Infertility Treatment | 262 | 21,457 | 302 |
| Fertility Enhancing Drugs | 263 | 21,457 | 302 |
| Asst. Reproductive Technology | 264 | 21,457 | 302 |
| Previous Cesareans | 265 | 21,457 | 302 |
| Number of previous Cesareans | 266-267 | 21,457 | 302 |
| Fetal Presentation | 274 | 21,964 | 263 |
| Route & Method of Delivery | 275 | 22,020 | 302 |
| Trial of Labor Attempted | 276 | 22,020 | 302 |
| Delivery Method Recode (Revised only) | 277 | 21,457 | 302 |

| | | | |
|--|-----|--------|-----|
| Ruptured Uterus | 281 | 21,964 | 302 |
| Admit to Intensive Care | 282 | 21,964 | 302 |
| Estimated time of fetal death | 357 | 18,966 | 5 |
| Was autopsy performed? | 358 | 22,020 | 302 |
| Was Histological Placental Exam Performed? | 359 | 22,020 | 302 |
| Was Autop/Hist results used in cause? | 360 | 21,714 | 302 |

1 Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.

Table B. 39 data items cut from the fetal mortality file beginning with the 2014 data year

| |
|--|
| • Mother married ever? |
| • Mother married? (At delivery, conception, or anytime in between) |
| • Total number of prenatal visits for this pregnancy |
| • Date of last prenatal care visit |
| • Mother's weight at delivery |
| • Number of other pregnancy outcomes |
| • Date of last other pregnancy outcome |
| • Mother/patient transferred for maternal medical or fetal indications for delivery? |
| Risk factors for this pregnancy |
| • Previous preterm birth |
| • Other previous poor pregnancy outcomes |
| All Infections present and/or treated during this pregnancy |
| • Gonorrhea |
| • Syphilis |
| • Chlamydia |
| • Listeria |
| • Group B Streptococcus |
| • Cytomegalovirus |
| • Parvovirus |
| • Toxoplasmosis |
| • None of the above |
| • Other (specify) |
| Method of delivery |
| • Hysterotomy/hysterectomy |
| Maternal morbidity |
| • Maternal transfusion |
| • Perineal laceration |
| • Unplanned hysterectomy |
| • Unplanned operating room procedure |
| All Congenital anomalies of the fetus |
| • Anencephaly |
| • Meningomyelocele/Spina bifida |
| • Cyanotic congenital heart disease |
| • Congenital diaphragmatic hernia |
| • Omphalocele |
| • Gastroschisis |
| • Limb reduction defect |
| • Cleft lip with or without cleft palate |
| • Cleft palate alone |
| • Down syndrome |
| • Down syndrome – karyotype confirmed/pending |
| • Suspected chromosomal disorder – karyotype confirmed/pending |
| • Hypospadias |
| • None of the anomalies listed above |

Table C. Period of gestation and weight minimums at which fetal death reporting is required, by reporting areas: United States, 2017

| Area | All periods of gestation | 12 weeks | 16 weeks | 20 weeks | 20 weeks or 350 grams | 20 weeks or 400 grams | 20 weeks or 500 grams | 350 grams | 500grams |
|------------------------------------|--------------------------|----------------|----------|----------------|-----------------------|-----------------------|-----------------------|----------------|----------|
| Alabama | | | | X | | | | | |
| Alaska | | | | X | | | | | |
| Arizona | | | | | X | | | | |
| Arkansas | | X | | | | | | | |
| California | | | | X | | | | | |
| Colorado | X ¹ | | | | | | | | |
| Connecticut | | | | X | | | | | |
| Delaware | | | | | | | | ² X | |
| District of Columbia | | | | | | | X | | |
| Florida | | | | X | | | | | |
| Georgia | X | | | | | | | | |
| Hawaii | X | | | | | | | | |
| Idaho | | | | | X | | | | |
| Illinois | | | | X | | | | | |
| Indiana | | | | X | | | | | |
| Iowa | | | | X | | | | | |
| Kansas | | | | X | | | | | |
| Kentucky | | | | | X | | | | |
| Louisiana | | | | | X | | | | |
| Maine | | | | X | | | | | |
| Maryland | | | | X ³ | | | | | |
| Massachusetts | | | | | X | | | | |
| Michigan | | | | | | X | | | |
| Minnesota | | | | X | | | | | |
| Mississippi | | | | | X | | | | |
| Missouri | | | | | X | | | | |
| Montana | | | | | | | | X ² | |
| Nebraska | | | | X | | | | | |
| Nevada | | | | X | | | | | |
| New Hampshire | | | | | X | | | | |
| New Jersey | | | | X | | | | | |
| New Mexico | | | | X ⁴ | | | | | |
| New York | X | | | | | | | | |
| New York (excluding New York City) | X | | | | | | | | |
| New York City | X | | | | | | | | |
| North Carolina | | | | X | | | | | |
| North Dakota | | | | X | | | | | |
| Ohio | | | | X | | | | | |
| Oklahoma | | X ⁵ | | | | | | | |
| Oregon | | | | X | | | | | |
| Pennsylvania | | | X | | | | | | |
| Rhode Island | X | | | | | | | | |
| South Carolina | | | | | X | | | | |
| South Dakota | | | | | | | | | X |
| Tennessee | | | | | X | | | | |
| Texas | | | | X | | | | | |
| Utah | | | | X | | | | | |
| Vermont | | | | X ⁶ | | | | | |
| Virginia | X | | | | | | | | |
| Washington | | | | X | | | | | |
| West Virginia | | | | X | | | | | |
| Wisconsin | | | | | X | | | | |
| Wyoming | | | | X | | | | | |
| American Samoa | X | | | | | | | | |
| Guam | | | | | X | | | | |
| Northern Marianas | | | | | | | | X ² | |
| Puerto Rico | | | | | X | | | | |
| Virgin Islands | X | | | | | | | | |

1 Although State law requires the reporting of fetal deaths of all periods of gestation, only data for fetal deaths of 20 weeks of gestation or more are provided to NCHS.

2 If weight is unknown, 20 completed weeks of gestation or more.

3 If gestational age is unknown, weight of 500 grams or more.

4 If gestational age is unknown, weight of 350 grams or more.

5 Although State law requires the reporting of fetal deaths at 12 weeks of gestation or more, only data for fetal deaths of 20 weeks of gestation or more are provided to NCHS.

6 If gestational age is unknown, weight of 400 grams or more, 15 ounces or more.

SOURCE: CDC/NCHS, National Vital Statistics System.

Table D. Implementation of the 2003 U.S. Standard Report of Fetal Death: Each state and territory, New York City, and the District of Columbia, 2003-2017

| Year | Revised reporting area | | | | | | | | | | | | | | |
|--------------------------|---|---|---|---|---|---|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|
| | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 |
| Total | 48 states and the District of Columbia ¹ | 46 states and the District of Columbia ¹ | 46 states and the District of Columbia ¹ | 41 states and the District of Columbia ¹ | 35 states and the District of Columbia ¹ | 31 states and the District of Columbia ¹ | 28 states and the District of Columbia ¹ | 23 states ^{1 2} | 22 states ^{1 2} | 22 states ^{1 2} | 16 states ^{1 2} | 16 states ^{1 2} | 11 states ^{1 2} | 4 states ^{1 2} | 1 states ^{1 2} |
| Alabama | X | X | X | X [^] | | | | | | | | | | | |
| Alaska | X | X | X | X* | | | | | | | | | | | |
| Arizona | X | X | X | X | X [^] | | | | | | | | | | |
| Arkansas | X | X | X | X [^] | | | | | | | | | | | |
| California | X | X | X | X | X | X | X | X | X | X | X | X [^] | | | |
| Colorado | X | X | X [^] | | | | | | | | | | | | |
| Connecticut | | | | | | | | | | | | | | | |
| Delaware | X | X | X | X | X | X | X | X | X | X | X | X [^] | | | |
| District of Columbia | X | X | X | X | X | X | X | X* | | | | | | | |
| Florida | X | X | X | X | X | X | X | X | X | X | X | X [^] | | | |
| Georgia | X | X | X | X | X | X | X | X | X | X | X* | | | | |
| Hawaii | X | X | X | X [^] | | | | | | | | | | | |
| Idaho | X | X | X | X | X | X | X | X | X | X | X | X | X | X [^] | |
| Illinois | X | X | X | X [^] | | | | | | | | | | | |
| Indiana | X | X | X | X | X | X | X | X | X | X [^] | | | | | |
| Iowa | X | X | X | X | X | X [^] | | | | | | | | | |
| Kansas | X | X | X | X | X | X | X | X | X | X | X | X | X [^] | | |
| Kentucky | X | X | X | X | X | X | X | X | X | X | X | X | X | X* | |
| Louisiana | X | X | X | X | X [^] | | | | | | | | | | |
| Maine | X | X | X | X | X [^] | | | | | | | | | | |
| Maryland | X | X | X | X | X | X | X | X | X | X | X | X | X [^] | | |
| Massachusetts | X | X | X [^] | | | | | | | | | | | | |
| Michigan | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X* |
| Minnesota | X | X | X | X | X | X | X* | | | | | | | | |
| Mississippi | X | X | X | X | X [^] | | | | | | | | | | |
| Missouri | X | X | X | X | X | X | X [^] | | | | | | | | |
| Montana | X | X | X | X | X | X | X | X | X | X [^] | | | | | |
| Nebraska | X | X | X | X | X | X | X | X | X | X | X | X | X [^] | | |
| Nevada | X | X | X | X | X | X | X | X | X* | | | | | | |
| New Hampshire | X | X | X | X | X | X | X | X | X | X | X | X | X [^] | | |
| New Jersey | X | X* | | | | | | | | | | | | | |
| New Mexico | X | X | X | X | X | X | X [^] | | | | | | | | |
| New York (excluding NYC) | X* | | | | | | | | | | | | | | |
| New York City | X | X | X | X | X | X | X [^] | | | | | | | | |
| North Carolina | X | X | X | X [^] | | | | | | | | | | | |
| North Dakota | X | X | X | X | X | X | X | X | X | X [^] | | | | | |
| Ohio | X | X | X | X | X | X | X [^] | | | | | | | | |
| Oklahoma | X | X | X | X | X | X | X | X | X | X | X | X | X | X* | |
| Oregon | X | X | X | X | X | X | X | X | X | X [^] | | | | | |
| Pennsylvania | X | X | X | X | X | X | X | X | X | X | X | X [^] | | | |
| Rhode Island | X | X | X [^] | | | | | | | | | | | | |
| South Carolina | X | X | X | X | X | X | X | X | X | X [^] | | | | | |
| South Dakota | X | X | X | X | X | X | X | X | X | X | X | X | X [^] | | |
| Tennessee | X | X | X | X | X | X [^] | | | | | | | | | |
| Texas | X | X | X | X | X | X | X | X | X | X | X | X [^] | | | |
| Utah | X | X | X | X | X | X | X | X | X | X | X | X | X | X [^] | |
| Vermont | X | X | X | X [^] | | | | | | | | | | | |
| Virginia | X | X | X | X* | | | | | | | | | | | |
| Washington | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X [^] |
| West Virginia | X | X* | | | | | | | | | | | | | |
| Wisconsin | X | X | X | X | X | X | X [^] | | | | | | | | |
| Wyoming | X | X | X | X | X | X | X | X* | | | | | | | |
| Puerto Rico | X | X [^] | | | | | | | | | | | | | |
| Virgin Islands | | | | | | | | | | | | | | | |
| Guam | X | X | X | X | X | X | X* | | | | | | | | |
| American Samoa | | | | | | | | | | | | | | | |
| Northern Marianas | X | X | X | X | X | X [^] | | | | | | | | | |

[^] First year using 2003 U.S. Standard Report of Fetal death; revised as of January 1.

* Revised after January 1.

¹ Excludes reporting areas that revised after January 1.

² Excludes New York City

Table E. Percent of fetal death records on which specified items were not stated: United States and each state and territory, New York City, and the District of Columbia, 2017

[By place of residence]

[Fetal deaths include only those with stated or presumed period of gestation of 20 weeks or more.]

| Reporting areas | Items for which data are available for all reporting areas 1 | | | | |
|---------------------------------------|--|-------------------|-----------------------|---------------------------|---------------------------------------|
| | Total Fetal deaths | Place of delivery | Attendant at delivery | Father's age ³ | Mother's Hispanic origin ⁴ |
| Total of reporting areas ² | 22,827 | 0.1 | 2.2 | 18.0 | 3.4 |
| Alabama | 545 | - | - | --- | 0.7 |
| Alaska | 74 | - | - | 29.7 | 2.7 |
| Arizona | 466 | - | - | 11.8 | 2.1 |
| Arkansas | 244 | - | 0.4 | 49.6 | 2.0 |
| California | 2,401 | - | - | 10.0 | 4.5 |
| Colorado | 363 | - | 0.6 | 12.1 | - |
| Connecticut | 186 | - | 5.4 | 13.4 | 16.7 |
| Delaware | 59 | - | 1.7 | 16.9 | - |
| District of Columbia | 69 | - | - | --- | - |
| Florida | 1,588 | - | 0.2 | 15.3 | 4.7 |
| Georgia | 1,045 | 0.2 | - | --- | 4.2 |
| Hawaii | 120 | 0.8 | - | 45.0 | 30.8 |
| Idaho | 106 | - | 5.7 | 11.3 | - |
| Illinois | 911 | 0.2 | 3.8 | 20.0 | 0.4 |
| Indiana | 518 | - | 39.2 | 8.5 | - |
| Iowa | 196 | - | - | 14.3 | 1.5 |
| Kansas | 185 | - | - | 9.7 | 0.5 |
| Kentucky | 351 | - | 0.3 | 42.7 | - |
| Louisiana | 329 | - | - | 27.7 | 0.3 |
| Maine | 68 | - | 4.4 | 16.2 | 10.3 |
| Maryland | 505 | - | - | 16.4 | 2.8 |
| Massachusetts | 288 | - | - | 25.7 | 15.3 |
| Michigan | 609 | - | 1.0 | 18.4 | 2.6 |
| Minnesota | 386 | - | 1.3 | 9.8 | 3.1 |
| Mississippi | 418 | - | 0.7 | 45.7 | 1.0 |
| Missouri | 430 | - | - | 14.9 | 2.6 |
| Montana | 54 | - | - | 7.4 | - |
| Nebraska | 164 | - | - | 4.3 | - |
| Nevada | 244 | - | - | 21.7 | 0.8 |
| New Hampshire | 53 | - | - | 18.9 | 5.7 |
| New Jersey | 731 | - | 0.3 | --- | 1.1 |
| New Mexico | 82 | - | - | 36.6 | - |
| New York (excluding New York City) | 621 | 1.3 | 20.0 | --- | 6.4 |
| New York City | 832 | - | 0.6 | --- | 19.6 |
| North Carolina | 803 | - | 2.6 | 37.1 | - |
| North Dakota | 56 | - | - | 28.6 | 7.1 |
| Ohio | 864 | 0.1 | 0.1 | 13.7 | 0.7 |
| Oklahoma | 261 | - | - | 11.1 | 1.5 |
| Oregon | 214 | - | 0.5 | 15.0 | 5.6 |
| Pennsylvania | 840 | - | - | 13.6 | 0.1 |
| Rhode Island | 56 | - | 1.8 | 28.6 | 25.0 |
| South Carolina | 388 | - | - | 37.4 | 1.8 |
| South Dakota | 72 | - | - | 9.7 | - |
| Tennessee | 553 | 0.2 | 1.3 | --- | 1.3 |
| Texas | 1,755 | - | - | 9.7 | - |
| Utah | 253 | - | 0.4 | 11.5 | - |
| Vermont | 24 | - | - | 16.7 | - |
| Virginia | 489 | 0.2 | 1.4 | --- | 5.3 |
| Washington | 507 | 0.2 | 10.5 | 13.0 | 8.1 |
| West Virginia | 110 | - | 2.7 | 16.4 | 2.7 |
| Wisconsin | 306 | 0.3 | - | 47.4 | 1.6 |
| Wyoming | 35 | - | - | 22.9 | - |
| American Samoa | 4 | 50.0 | - | - | --- |
| Guam | 39 | - | - | --- | 2.6 |
| Northern Marianas | 5 | - | - | --- | - |
| Puerto Rico | 258 | - | 3.5 | 19.8 | - |
| Virgin Islands | --- | --- | --- | --- | --- |

See footnotes at end of table.

Table E. Percent of fetal death records on which specified items were not stated: United States and each state and territory, New York City, and the District of Columbia, 2017
[By place of residence]

| Reporting areas | Items for which data are available for all reporting areas ¹ | | |
|---------------------------------------|---|---------------------------------|-----------------|
| | Live-birth order | Obstetric estimate of gestation | Weight of fetus |
| Total of reporting areas ² | 5.3 | 0.6 | 7.2 |
| Alabama | 0.2 | 0.6 | 5.0 |
| Alaska | 2.7 | 1.4 | 9.5 |
| Arizona | 1.3 | 0.2 | 3.0 |
| Arkansas | 3.3 | 0.8 | 4.1 |
| California | 5.4 | 0.8 | 5.9 |
| Colorado | 13.2 | 0.8 | 22.9 |
| Connecticut | 16.1 | 0.5 | 14.0 |
| Delaware | - | - | 3.4 |
| District of Columbia | - | 1.4 | 1.4 |
| Florida | 1.2 | 1.9 | 7.3 |
| Georgia | 8.1 | 0.8 | 12.8 |
| Hawaii | 12.5 | 2.5 | 42.5 |
| Idaho | 0.9 | - | 3.8 |
| Illinois | 3.6 | 0.3 | 4.4 |
| Indiana | 1.5 | 0.6 | 5.2 |
| Iowa | - | - | 3.1 |
| Kansas | - | 0.5 | 0.5 |
| Kentucky | 0.3 | - | 0.6 |
| Louisiana | 0.6 | 0.3 | 7.6 |
| Maine | 23.5 | - | 19.1 |
| Maryland | 0.2 | - | 3.0 |
| Massachusetts | 2.8 | - | 1.4 |
| Michigan | 6.4 | 0.5 | 3.9 |
| Minnesota | 1.3 | 0.3 | 4.7 |
| Mississippi | 1.0 | 0.5 | 4.1 |
| Missouri | 3.0 | 0.2 | 8.1 |
| Montana | 1.9 | - | 5.6 |
| Nebraska | 0.6 | - | 3.7 |
| Nevada | 0.4 | - | 1.6 |
| New Hampshire | 3.8 | - | 1.9 |
| New Jersey | 1.1 | - | 1.9 |
| New Mexico | 6.1 | - | 3.7 |
| New York (excluding New York City) | 15.1 | 0.6 | 20.8 |
| New York City | 10.7 | 2.0 | 6.3 |
| North Carolina | 0.2 | - | 4.4 |
| North Dakota | 5.4 | - | 1.8 |
| Ohio | 0.3 | - | 2.1 |
| Oklahoma | 8.0 | 0.4 | 11.5 |
| Oregon | 2.3 | - | 2.3 |
| Pennsylvania | 8.9 | 0.1 | 13.6 |
| Rhode Island | 35.7 | 1.8 | 19.6 |
| South Carolina | 0.8 | - | 3.9 |
| South Dakota | 1.4 | 1.4 | 1.4 |
| Tennessee | 0.2 | 0.4 | 2.5 |
| Texas | 16.4 | 0.3 | 3.7 |
| Utah | 2.0 | - | 14.2 |
| Vermont | - | - | 8.3 |
| Virginia | 1.0 | 0.4 | 18.6 |
| Washington | 19.7 | 1.4 | 25.4 |
| West Virginia | 2.7 | 0.9 | 2.7 |
| Wisconsin | - | 0.3 | 4.2 |
| Wyoming | 2.9 | - | - |
| American Samoa | - | - | - |
| Guam | 12.8 | - | - |
| Northern Marianas | - | - | 20.0 |
| Puerto Rico | 2.7 | 0.4 | 4.3 |
| Virgin Islands | --- | --- | --- |

See footnotes at end of table.

Table E. Percent of fetal death records on which specified items were not stated: United States and each state and territory, New York City, and the District of Columbia, 2017
[By place of residence]

| Reporting areas | Risk Factors in this Pregnancy | |
|---------------------------------------|--|---------------------------------|
| | All reporting areas ^{1,5,6,7} | Revised area ^{5,6,8,9} |
| Total of reporting areas ² | 4.4 | 4.0 |
| Alabama | - | - |
| Alaska | 6.8 | 6.8 |
| Arizona | 2.4 | 2.4 |
| Arkansas | 1.6 | 1.6 |
| California | 10.7 | 10.7 |
| Colorado | 0.3 | 0.6 |
| Connecticut | 17.7 | --- |
| Delaware | - | - |
| District of Columbia | - | - |
| Florida | 3.0 | 3.0 |
| Georgia | 9.0 | 9.0 |
| Hawaii | 15.0 | 15.0 |
| Idaho | 3.8 | 3.8 |
| Illinois | 0.4 | 0.4 |
| Indiana | 9.7 | 9.7 |
| Iowa | - | - |
| Kansas | - | - |
| Kentucky | 2.0 | 2.0 |
| Louisiana | - | - |
| Maine | - | - |
| Maryland | - | - |
| Massachusetts | 2.8 | 2.8 |
| Michigan | 5.6 | 5.6 |
| Minnesota | 1.0 | 1.0 |
| Mississippi | 4.3 | 4.3 |
| Missouri | - | - |
| Montana | 3.7 | 3.7 |
| Nebraska | - | - |
| Nevada | 0.4 | 0.4 |
| New Hampshire | - | - |
| New Jersey | 0.5 | 0.5 |
| New Mexico | - | - |
| New York (excluding New York City) | 13.0 | --- |
| New York City | 25.0 | 25.4 |
| North Carolina | 0.2 | 0.2 |
| North Dakota | - | - |
| Ohio | 0.2 | 0.2 |
| Oklahoma | 0.8 | 0.8 |
| Oregon | 0.5 | 0.5 |
| Pennsylvania | 6.8 | 6.9 |
| Rhode Island | --- | --- |
| South Carolina | 2.6 | 2.6 |
| South Dakota | - | - |
| Tennessee | - | - |
| Texas | 0.1 | 0.1 |
| Utah | - | - |
| Vermont | - | - |
| Virginia | - | - |
| Washington | --- | --- |
| West Virginia | 3.6 | 3.6 |
| Wisconsin | 0.3 | 0.3 |
| Wyoming | - | - |
| American Samoa | --- | --- |
| Guam | 20.5 | 20.5 |
| Northern Marianas | - | - |
| Puerto Rico | 2.7 | 2.7 |
| Virgin Islands | --- | --- |

See footnotes at end of table.

Table E. Percent of fetal death records on which specified items were not stated: United States and each state and territory, New York City, and the District of Columbia, 2017
[By place of residence]

| Reporting areas | Method of Delivery | | | |
|---------------------------------------|--------------------------------------|---|------------------------------------|------------------------------------|
| | All reporting areas ¹ | | Revised area ^{8,11} | |
| | Method of Delivery: vaginal/cesarean | Breech and other presentation ¹⁰ | Fetal presentation ^{5,12} | Final route and method of delivery |
| Total of reporting areas ² | 4.2 | 11.4 | 11.0 | 3.8 |
| Alabama | 0.2 | 5.7 | 5.7 | 0.2 |
| Alaska | 5.4 | 1.4 | 1.4 | 5.4 |
| Arizona | 0.4 | 4.7 | 4.7 | 0.4 |
| Arkansas | 2.0 | 4.9 | 4.9 | 2.0 |
| California | 9.4 | 32.7 | 32.7 | 9.4 |
| Colorado | 11.0 | 11.0 | 11.3 | 11.3 |
| Connecticut | 3.8 | 11.3 | --- | --- |
| Delaware | - | - | - | - |
| District of Columbia | 1.4 | 2.9 | 2.9 | 1.4 |
| Florida | 4.1 | 14.2 | 14.2 | 4.1 |
| Georgia | 4.8 | 15.6 | 15.6 | 4.8 |
| Hawaii | 20.0 | 26.7 | 26.7 | 20.0 |
| Idaho | - | 0.9 | 0.9 | - |
| Illinois | 3.4 | 8.2 | 8.2 | 3.4 |
| Indiana | 0.6 | 22.8 | 22.8 | 0.6 |
| Iowa | - | - | - | - |
| Kansas | - | 0.5 | 0.5 | - |
| Kentucky | 0.9 | 4.3 | 4.3 | 0.9 |
| Louisiana | - | - | - | - |
| Maine | - | 10.3 | 10.3 | - |
| Maryland | - | 0.2 | 0.2 | - |
| Massachusetts | 1.7 | 3.1 | 3.1 | 1.7 |
| Michigan | 2.5 | 7.7 | 7.7 | 2.5 |
| Minnesota | 0.5 | 3.9 | 3.9 | 0.5 |
| Mississippi | 1.2 | 4.3 | 4.3 | 1.2 |
| Missouri | 2.1 | 7.4 | 7.4 | 2.1 |
| Montana | 1.9 | 5.6 | 5.6 | 1.9 |
| Nebraska | - | - | - | - |
| Nevada | 0.4 | 0.8 | 0.8 | 0.4 |
| New Hampshire | - | - | - | - |
| New Jersey | 0.8 | 1.6 | 1.6 | 0.8 |
| New Mexico | 2.4 | 6.1 | 6.1 | 2.4 |
| New York (excluding New York City) | 19.3 | 25.1 | --- | --- |
| New York City | 9.3 | 18.6 | 19.1 | 9.7 |
| North Carolina | 0.2 | 0.4 | 0.4 | 0.2 |
| North Dakota | - | 12.5 | 12.5 | - |
| Ohio | 2.4 | 7.8 | 7.8 | 2.4 |
| Oklahoma | - | 0.4 | 0.4 | - |
| Oregon | - | 0.5 | 0.5 | - |
| Pennsylvania | 8.3 | 13.8 | 13.9 | 8.5 |
| Rhode Island | 44.6 | 51.8 | --- | 44.6 |
| South Carolina | 2.1 | 4.6 | 4.6 | 2.1 |
| South Dakota | 1.4 | 1.4 | 1.4 | 1.4 |
| Tennessee | 1.4 | 5.8 | 5.8 | 1.4 |
| Texas | 1.1 | 2.2 | 2.2 | 1.1 |
| Utah | - | - | - | - |
| Vermont | - | 4.2 | 4.2 | - |
| Virginia | - | 26.6 | 26.6 | - |
| Washington | 18.3 | 25.4 | 25.4 | 18.3 |
| West Virginia | 0.9 | 5.5 | 5.5 | 0.9 |
| Wisconsin | 0.7 | 6.9 | 6.9 | 0.7 |
| Wyoming | - | - | - | - |
| American Samoa | --- | --- | --- | --- |
| Guam | - | 51.3 | --- | - |
| Northern Marianas | - | - | - | - |
| Puerto Rico | 3.1 | 4.7 | 4.7 | 3.1 |
| Virgin Islands | --- | --- | --- | --- |

See footnotes at end of table.

Table E. Percent of fetal death records on which specified items were not stated: United States and each state and territory, New York City, and the District of Columbia, 2017
[By place of residence]

| Reporting areas | Items exclusive to the revised reporting area, 48 states, the District of Columbia, and New York City ⁸ | | | | |
|---------------------------------------|--|---------------|----------------------------------|------------------------------|--|
| | Mother's birthplace | Time of birth | Education of mother ⁵ | Mother's height ⁵ | Mother's pre-pregnancy weight ⁵ |
| Total of reporting areas ² | 6.1 | 1.4 | 11.4 | 5.7 | 11.3 |
| Alabama | 0.9 | - | 6.2 | 5.0 | 10.1 |
| Alaska | 5.4 | 2.7 | 13.5 | 5.4 | 16.2 |
| Arizona | 1.9 | 1.3 | 4.9 | 2.4 | 5.6 |
| Arkansas | 6.1 | 2.0 | 8.6 | 3.3 | 10.7 |
| California | 4.5 | 1.1 | 10.4 | 6.4 | 11.9 |
| Colorado | 21.5 | 0.6 | 30.0 | 25.9 | 32.0 |
| Connecticut | --- | --- | --- | --- | --- |
| Delaware | 5.1 | - | 3.4 | 5.1 | 8.5 |
| District of Columbia | 37.7 | 2.9 | 31.9 | 11.6 | 17.4 |
| Florida | 8.2 | 2.8 | 9.1 | 7.4 | 11.6 |
| Georgia | 0.8 | - | 25.5 | 4.8 | 12.7 |
| Hawaii | 27.5 | 11.7 | 36.7 | 14.2 | 29.2 |
| Idaho | 0.9 | - | 0.9 | 0.9 | 4.7 |
| Illinois | 6.4 | 1.3 | 16.5 | 6.1 | 17.7 |
| Indiana | 1.9 | 0.2 | 2.7 | 5.0 | 5.4 |
| Iowa | 2.0 | 0.5 | 13.3 | 2.6 | 5.6 |
| Kansas | 2.2 | - | 7.0 | 2.2 | 3.2 |
| Kentucky | 0.3 | - | 3.4 | 1.1 | 3.1 |
| Louisiana | 1.8 | - | 12.8 | 2.4 | 12.2 |
| Maine | 7.4 | 7.4 | 7.4 | 1.5 | 8.8 |
| Maryland | 9.3 | 1.0 | 13.5 | 3.6 | 7.5 |
| Massachusetts | 10.8 | - | 24.7 | 5.2 | 13.9 |
| Michigan | 9.7 | 1.0 | 14.1 | 4.3 | 12.0 |
| Minnesota | 1.0 | 0.8 | 6.5 | 2.8 | 11.7 |
| Mississippi | 7.9 | 0.2 | 11.5 | 3.1 | 6.0 |
| Missouri | 3.5 | 0.9 | 10.5 | 1.6 | 4.9 |
| Montana | - | - | 3.7 | 5.6 | 3.7 |
| Nebraska | - | - | 29.3 | 4.3 | 12.2 |
| Nevada | 3.3 | 0.8 | 4.9 | 1.6 | 4.9 |
| New Hampshire | 3.8 | 1.9 | 7.5 | 1.9 | 5.7 |
| New Jersey | 1.0 | - | 3.8 | 0.7 | 3.7 |
| New Mexico | 4.9 | - | 3.7 | 7.3 | 8.5 |
| New York (excluding New York City) | --- | --- | --- | --- | --- |
| New York City | 7.2 | 3.0 | 42.9 | 7.7 | 18.3 |
| North Carolina | 0.2 | - | 2.0 | 1.9 | 5.1 |
| North Dakota | 14.3 | - | 7.1 | 1.8 | 7.1 |
| Ohio | 0.1 | 1.5 | 2.5 | 2.5 | 6.6 |
| Oklahoma | 3.8 | - | 3.8 | 3.8 | 5.7 |
| Oregon | 0.9 | 0.5 | 5.1 | 2.3 | 9.3 |
| Pennsylvania | 2.9 | 3.9 | 9.8 | 12.1 | 17.1 |
| Rhode Island | 8.9 | 3.6 | --- | --- | --- |
| South Carolina | 6.7 | - | 9.8 | 4.6 | 9.3 |
| South Dakota | - | - | 5.6 | 1.4 | 6.9 |
| Tennessee | 15.4 | 0.9 | 15.9 | 4.7 | 16.1 |
| Texas | 14.8 | 0.5 | 1.6 | 6.0 | 9.2 |
| Utah | 1.2 | 0.4 | 7.9 | 2.8 | 5.5 |
| Vermont | - | - | 4.2 | - | 8.3 |
| Virginia | 0.8 | 9.6 | 19.8 | 15.3 | 24.7 |
| Washington | 24.1 | 4.3 | 13.8 | 15.4 | 25.6 |
| West Virginia | 1.8 | 0.9 | 2.7 | 1.8 | 0.9 |
| Wisconsin | 1.3 | 0.7 | 11.4 | 0.3 | 5.2 |
| Wyoming | 2.9 | 2.9 | - | - | 2.9 |
| American Samoa | --- | --- | --- | --- | --- |
| Guam | 5.1 | - | 7.7 | 33.3 | 35.9 |
| Northern Marianas | - | - | 60.0 | 20.0 | 20.0 |
| Puerto Rico | 0.4 | 0.8 | 0.8 | 2.3 | 3.1 |
| Virgin Islands | --- | --- | --- | --- | --- |

See footnotes at end of table.

Table E. Percent of fetal death records on which specified items were not stated: United States and each state and territory, New York City, and the District of Columbia, 2017
[By place of residence]

| Reporting areas | Items exclusive to the revised reporting area, 48 states, the District of Columbia, and New York City ⁸ | | | | |
|---------------------------------------|--|---|--------------------------------|--|---------------------------------|
| | Did mother get WIC food for herself during this pregnancy ⁵ | Cigarette smoking before and during pregnancy ^{5,13} | Birth interval ^{5, 6} | Month prenatal care began ⁵ | Maternal morbidity ⁵ |
| Total of reporting areas ² | 14.9 | 6.6 | 11.7 | 12.1 | 4.0 |
| Alabama | 7.5 | 5.7 | 4.8 | 7.5 | - |
| Alaska | 14.9 | 12.2 | 6.8 | 10.8 | 4.1 |
| Arizona | 11.8 | 1.5 | 6.0 | 3.4 | 3.2 |
| Arkansas | 14.8 | 5.7 | 12.3 | 9.8 | 3.3 |
| California | 17.2 | 8.9 | 9.4 | 9.5 | 17.1 |
| Colorado | 44.6 | 30.9 | 23.1 | 38.8 | 0.3 |
| Connecticut | --- | --- | --- | --- | --- |
| Delaware | 13.6 | - | 5.1 | 3.4 | - |
| District of Columbia | 15.9 | 15.9 | 30.4 | 31.9 | - |
| Florida | 18.6 | 6.0 | 10.5 | 11.1 | 3.4 |
| Georgia | 23.7 | 6.7 | 16.4 | 20.5 | 5.7 |
| Hawaii | 36.7 | --- | 15.8 | 20.8 | 15.0 |
| Idaho | 3.8 | 0.9 | 3.8 | 3.8 | 0.9 |
| Illinois | 7.4 | 7.9 | 16.1 | 16.0 | 0.7 |
| Indiana | 45.6 | 7.9 | 9.8 | 11.6 | - |
| Iowa | 30.6 | - | 4.6 | 2.6 | - |
| Kansas | 12.4 | 2.7 | 2.2 | 4.3 | - |
| Kentucky | 6.0 | 2.3 | 2.6 | 4.3 | 1.1 |
| Louisiana | 14.3 | 3.0 | 8.2 | 7.0 | - |
| Maine | 20.6 | 7.4 | 17.6 | 5.9 | 8.8 |
| Maryland | 16.2 | 0.8 | 7.3 | 10.1 | 0.2 |
| Massachusetts | 41.3 | 3.8 | 10.4 | 6.9 | 2.4 |
| Michigan | 15.8 | 11.0 | 11.3 | 14.3 | 9.0 |
| Minnesota | 9.1 | 2.1 | 4.1 | 3.1 | 0.3 |
| Mississippi | 10.3 | 2.2 | 4.3 | 8.4 | 6.0 |
| Missouri | 11.4 | 7.2 | 6.5 | 15.1 | - |
| Montana | 5.6 | 5.6 | 7.4 | 1.9 | - |
| Nebraska | 21.3 | 9.1 | 10.4 | 5.5 | - |
| Nevada | 7.0 | 4.5 | 8.6 | 10.2 | 0.4 |
| New Hampshire | 11.3 | - | 7.5 | 5.7 | - |
| New Jersey | 5.7 | 10.5 | 10.9 | 6.6 | 0.8 |
| New Mexico | 11.0 | 2.4 | 12.2 | 7.3 | - |
| New York (excluding New York City) | --- | --- | --- | --- | --- |
| New York City | --- | 16.5 | 34.1 | 18.5 | 2.8 |
| North Carolina | 2.2 | 0.4 | 3.1 | 1.0 | 0.1 |
| North Dakota | 8.9 | - | 10.7 | 16.1 | - |
| Ohio | 4.1 | 0.3 | 14.6 | 12.8 | 1.0 |
| Oklahoma | 8.4 | 6.5 | 11.5 | 9.2 | 0.8 |
| Oregon | 4.7 | 1.9 | 4.2 | 3.7 | 0.5 |
| Pennsylvania | 26.1 | 22.3 | 11.9 | 14.8 | 8.3 |
| Rhode Island | --- | --- | --- | --- | --- |
| South Carolina | 11.1 | 6.2 | 11.6 | 5.7 | 2.1 |
| South Dakota | 6.9 | 1.4 | 5.6 | 6.9 | - |
| Tennessee | 21.2 | - | 13.0 | 25.0 | - |
| Texas | 5.6 | 0.1 | 20.2 | 13.5 | 0.1 |
| Utah | - | 1.2 | 4.0 | 2.4 | - |
| Vermont | 12.5 | - | 4.2 | 4.2 | - |
| Virginia | 24.7 | 2.0 | 8.0 | 27.4 | - |
| Washington | 20.1 | 15.8 | --- | 27.8 | 12.6 |
| West Virginia | 4.5 | 9.1 | 1.8 | 1.8 | 7.3 |
| Wisconsin | 6.9 | 2.3 | 4.2 | 3.3 | 0.7 |
| Wyoming | 5.7 | 8.6 | 22.9 | 25.7 | - |
| American Samoa | --- | --- | --- | --- | --- |
| Guam | 38.5 | 43.6 | 10.3 | 15.4 | 25.6 |
| Northern Marianas | 20.0 | - | 20.0 | 20.0 | - |
| Puerto Rico | 3.9 | 0.8 | 8.5 | 2.3 | 4.7 |
| Virgin Islands | --- | --- | --- | --- | --- |

0.0 Quantity more than zero but less than 0.05.

---Data not available.

- Quantity zero.

¹ Items common to both the 2003 and 1989 Standard Report of Fetal Death.

² Excludes data for American Samoa, Guam, the Commonwealth of the Northern Marianas, Puerto Rico, and the Virgin Islands.

³ Father's age is not reported by Alabama, the District of Columbia, Georgia, New Jersey, New York, (including New York City), Tennessee, Virginia, Guam, and the Northern Marianas for 2017.

⁴ Mother's Hispanic origin is not reported by American Samoa.

⁵ For 2017, Rhode Island did not report a number of items. These include: risk factors, fetal presentation, mother's education, mother's height, mother's pre-pregnancy weight, WIC, cigarette smoking before and during pregnancy, birth interval, and month prenatal care began.

⁶ For 2017, Washington did not report risk factors or birth interval.

⁷ Items included: diabetes (combined prepregnancy and gestational), prepregnancy hypertension, gestational hypertension, and eclampsia. American Samoa does not report risk factors.

⁸ Items exclusive to the 2003 Standard Report of Fetal Death.

⁹ Items included: Prepregnancy and gestational diabetes, pregnancy resulted from infertility treatment, mother had a previous cesarean.

¹⁰ Breech/malpresentation included in the "Complications of Labor and/or Delivery" item for the 1989 Standard Certificate of Live Birth. American Samoa does not report method of delivery or breech/malpresentation.

¹¹ Items included: Fetal presentation at birth: cephalic; Final route and method of delivery: Vaginal/spontaneous, vaginal/forceps, vaginal/vacuum, and if cesarean, was a trial of labor attempted.

¹² Fetal presentation was not reported by Guam for 2017.

¹³ Cigarette smoking before and during pregnancy was not reported by Hawaii for 2017.