

# **User Guide to the 2014 Period Linked Birth/Infant Death Public Use File**



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# 2014 Period Linked Birth/Infant Death Data Set

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## Introduction

The linked birth/infant death data set (linked file) is released in two formats - period data and birth cohort data. This documentation is for the 2014 period linked file.

Period data - The numerator for the 2014 period linked file consists of all infant deaths occurring in 2014 linked to their corresponding birth certificates, whether the birth occurred in 2013 or 2014. The denominator file for this data set is the 2014 natality file, that is, all births occurring in 2014.

The 2014 period linked birth/infant death data set includes several data files. The first file includes all US infant deaths which occurred in the 2014 data year linked to their corresponding birth certificates, whether the birth occurred in 2013 or 2014 - referred to as the numerator file. The second file contains information from the death certificate for all US infant death records which could not be linked to their corresponding birth certificates - referred to as the unlinked death file. The third file is the 2014 NCHS natality file for the US, which is used to provide denominators for rate computations. These same three data files are also available for Puerto Rico and Guam.

## Incomplete National Reporting - Using Reporting Flags

As a result of the delayed, phased transition to the 2003 U.S. Standard Certificate of Live Birth, the 2014 linked file includes data for reporting areas that use the 2003 revision of the U.S. Standard Certificate of Live Birth (revised) and data for reporting areas that use the 1989 Standard Certificate of Live Birth (unrevised) (see the [2014 Natality User Guide](#)). Although many data items are comparable across certificate revisions and are available for the entire United States, some items have more limited reporting areas. In addition, the 2014 linked file contains information on infants born in both 2013 and 2014. As reporting areas changed between 2013 and 2014, this complicates the file. Also, birth data are collected by place of occurrence but are typically tabulated by mother's place of residence. Reporting flags were developed to help the user more readily identify reporting areas for items with less than national reporting for the entirety of 2013 and 2014. Reporting flags are included in the file to assist in accurately excluding records from areas that do not report items when tabulating data by mother's place of residence.

Reporting areas for the 2014 linked file are different from those for the 2014 birth file, as items had to be reported by a state in both 2013 and 2014 to be able to provide complete data. Thus, data for non-comparable items from states that revised in 2014 are excluded from all tabulations. Positions for reporting flags are noted along with each data item in the file layout. Reporting flags must be invoked to generate accurate numbers by residence for items which are not reported by all states. Where applicable, reporting flags are shown in the column "Reporting Flag Position" in the file layout. Reporting flag codes are 0 (item reported in neither the current or previous year), 1 (item reported in both current and previous year), 2 (item reported in the previous but not in the current year), and 3 (item reported in the current but not in the previous year). When using these data,

select reporting flag=1 to get valid and complete data for an item (see SAS code examples below).

*Translating “blanks”* - In the 2014 linked file, for data items which are not common or comparable across certificate revisions, events to residents of a revised state occurring in an unrevised state, and events to residents in an unrevised state occurring in a revised state, are often represented by “blanks.” Blanks should be treated as “unknowns” for tabulations.

The correct use of reporting flags and translation of blanks will result in an accurate tally of births and infant deaths for items with incomplete national reporting.

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

An example of SAS code that may be used to incorporate the correct use of reporting flags and the translation of blanks is shown below. This example is for the revised prenatal care item. Prenatal care data based on the revised certificate are not considered comparable with data based on the unrevised certificate.

#### Sample SAS program

```
01 DATA work;
02     INFILE 'C:VS14LINK.USNUMPUB' LRECL=1779;
03     INPUT
04         restatus 104
05         precare 224-225
06         f_mpcb 226;
07
08     /*Exclude foreign residents*/
09     IF restatus NE 4;
10     /*Select reporting area*/
11     IF f_mpcb=1;
12     /*Convert blanks to unknown*/
13     IF precare=. THEN precare=99;
14
15 PROC FREQ;
16     TABLE precare;
17 RUN;
```

In this example, “restatus” is used to exclude births to foreign residents (this is standard practice for all NCHS tabulations). Also in this example, blanks are represented by numeric values SAS code = (.). However, for some items in the file, e.g., obstetric procedures, blanks are represented by character values for which the SAS code is empty single quotes (‘ ’).

*Alternatives to the use of reporting flags* - The use of reporting flags provides a quick way to select records for all areas reporting comparable data for a given item in a particular

year. However, should a limited reporting area be needed, specific state(s) of residence may also be selected, or unselected. This approach may be useful, for example, in trend analysis where reporting areas have changed over time.

### Example of SAS code using state of residence (and translating blanks)

```
01 DATA work;
02     INFILE 'C:\VS14LINK.USNUMPUB ' LRECL=1779;
03     INPUT
04         restatus 104
05         xmrstate $ 87-88
06         precare 224-225;
07
08     /*Exclude foreign residents*/
09     IF restatus NE 4;
10     /*Select reporting area*/
11     IF xmrstate in ('FL','MO','NC','NH','NV','PA');
12     /*Convert blanks to unknown*/
13     IF precare=. THEN precare=99;
14
15 PROC FREQ;
16     TABLE precare;
17 RUN;
```

### Single, Multiple, and Bridged Race

In 1997, the Office of Management and Budget (OMB) issued revised standards requiring Federal collection programs to allow respondents to select *one or more race categories*. In 2014 data, forty-seven states and DC reported multiple race data, representing 96% of all U.S. births. For the 2014 period linked file, complete data for both 2013 and 2014 births are available from 44 states and DC, representing 91% of all U.S. births.

In 2014, multiple race data were reported on the death certificates of 46 states and DC. In order to provide uniformity and comparability of the data before all or most of the data are available in the new multiple-race format, it was necessary to “bridge” the responses of those for whom more than one race was reported (multiple race) to one, single race.

### Weighting

A weight is added to the linked numerator file to correct in part for biases in percent of records linked by major characteristics. The number of infant deaths in the linked file are weighted to equal the sum of the linked plus unlinked infant deaths by age at death and state. The formula for computing the weights is as follows:

$$\frac{\text{number of linked infant deaths} + \text{number of unlinked infant deaths}}{\text{number of linked infant deaths}}$$

A separate weight is computed for each state of residence of birth and each age at death category (<7 days, 7-27 days, 28 days-1 year). Thus, weights are 1.0 for states which link all of their infant deaths. The denominator file is not weighted. Weights are not computed for the Puerto Rico and Guam file.

### **Birthweight**

An imputation for not-stated birthweight is added to the data set to reduce potential bias in the computation of birthweight-specific infant mortality rates. If birthweight is not stated and the period of gestation is known, birthweight is assigned the value from the previous record with the same period of gestation, race, sex, and plurality. Imputed values are flagged. The addition of this imputation has reduced the percent of not-stated responses for birthweight from 4.02 to 0.53% in the numerator file, and from 0.08 to 0.06 in the denominator file, thus reducing the potential for underestimation when computing birthweight-specific infant mortality rates.

### **Period of gestation**

Information on period of gestation is available for the entire United States. Beginning with the 2014 data year, NCHS transitioned to a new standard for estimating the gestational age of the newborn. 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, gestational age data in standard tables are based on the OE. Gestational age estimates differ somewhat between the OE- and LMP-based measures. For example, the 2014 OE-based infant mortality rate for infants with 37 to 38 weeks of gestation is 3.19 compared with the LMP-based rate of 2.92. LMP-based gestational age data continue to be available in data files.

### **Comparisons of infant mortality data from the linked file with infant mortality data from the vital statistics mortality file**

Although the time periods are the same, numbers of infant deaths and infant mortality rates by characteristics are not always identical between the period linked file and the vital statistics mortality file. Differences in numbers of infant deaths between the two data sources are primarily due to geographic coverage differences. For the vital statistics mortality file, all deaths occurring in the 50 states and the District of Columbia are included regardless of the place of birth of the infant. In contrast, to be included in the linked file, both the birth and death must occur in the 50 states and the District of Columbia. Also, although every effort has been made to design weights that will accurately reflect the distribution of deaths by characteristics, weighting may contribute to small differences in numbers and rates by specific variables between these two data sets. In most cases, differences between numbers of infant deaths and infant mortality rates between the linked file and those computed from the vital statistics mortality file are negligible.

## **Methodology**

The methodology used to create the national file of linked birth and infant death records uses two data sources:

1. State linked files for the identification of linked birth and infant death certificates; and
2. NCHS natality and mortality computerized statistical files, the source of computer records for the two linked certificates.

States routinely link infant death certificates to their corresponding birth certificates for legal and statistical purposes. When the birth and death of an infant occur in different states, copies of the records are exchanged by the state of death and state of birth in order to effect a link. In addition, if a third state is identified as the state of residence at the time of birth or death, that state is also sent a copy of the appropriate certificate by the state where the birth or death occurred.

The NCHS natality and mortality files, produced annually, include statistical data from birth and death certificates that are provided to NCHS by states under the Vital Statistics Cooperative Program (VSCP). The data have been coded according to uniform coding specifications, have passed quality control standards, have been edited and reviewed, and are the basis for official U.S. birth and death statistics.

To initiate processing, NCHS obtained matching birth certificate numbers from states for all infant deaths that occurred in their jurisdiction. We use this information to extract final, edited mortality and natality data from the NCHS natality and mortality statistical files. Individual birth and death records were selected from their respective files and linked into a single statistical record, thereby establishing a national linked record file.

### **Characteristics of Unlinked File**

For the 2014 linked file 0.7% of all infant death records could not be linked to their corresponding birth certificates. Unlinked records are included in a separate data file in this data set. The unlinked record file uses the same record layout as the numerator file of linked birth and infant death records. However, except as noted below, locations reserved for information from the matching birth certificate are blank since no matching birth certificate could be found for these records. The sex field contains the sex of infant as reported on the death certificate, rather than the sex of infant from the birth certificate, which is not available. The race field contains the race of the decedent as reported on the death certificate rather than the race of mother as reported on the birth certificate as is the case with the linked record file. The race of mother on the birth certificate is generally considered to be more accurate than the race information from the death certificate. Also, date of birth as reported on the death certificate is used to generate age at death. This information is used in place of date of birth from the birth certificate, which is not available.

## Percent of Records Linked

The 2014 linked file for the 50 States and D.C. includes 23,086 linked infant death records and 161 unlinked infant death records. The linked file is weighted to the sum of linked plus unlinked records, thus the total number of weighted infant deaths by place of occurrence is 23,247.

Table 1 below shows the percent of infant deaths linked by state of occurrence of death. While many states link all of their infant deaths, linkage rates for some states are below the national average. When a high percentage of deaths remain unlinked, unweighted infant mortality rates computed for these states are underestimated. It is for this reason that weights are added to the file to correct for biases in the data due to poor data linkage for particular states.

Table 1. Percent of infant deaths linked by state of occurrence of death: United States, 2014 linked file

United States	99.3	Nebraska	99.3
Alabama	99.8	Nevada	100.0
Alaska	100.0	New Hampshire	100.0
Arizona	99.6	New Jersey	98.2
Arkansas	99.3	New Mexico	100.0
California	98.2	New York State	99.5
Colorado	100.0	New York City	100.0
Connecticut	100.0	North Carolina	100.0
Delaware	100.0	North Dakota	100.0
District of Columbia	100.0	Ohio	99.2
Florida	99.9	Oklahoma	100.0
Georgia	99.4	Oregon	100.0
Hawaii	100.0	Pennsylvania	99.1
Idaho	100.0	Rhode Island	100.0
Illinois	100.0	South Carolina	100.0
Indiana	99.5	South Dakota	100.0
Iowa	99.4	Tennessee	99.8
Kansas	99.5	Texas	98.5
Kentucky	98.6	Utah	99.6
Louisiana	100.0	Vermont	100.0
Maine	100.0	Virginia	95.4
Maryland	100.0	Washington	100.0
Massachusetts	98.8	West Virginia	100.0
Michigan	99.9	Wisconsin	100.0
Minnesota	100.0	Wyoming	100.0
Mississippi	100.0	Puerto Rico	100.0
Missouri	99.1	Virgin Islands	NA
Montana	100.0	Guam	100.0



## Confidentiality

To minimize the risk of disclosure of individual or institutional information NCHS public-use data files do not contain the actual day of the birth or the dates of birth of the mother or father. Also, for public-use files from 2005 forward, no U.S. geographic detail is identified.

## Documents

The documents listed below describe in detail the procedures employed for demographic classification on both the birth and death records and medical classification on death records. These documents, while not absolutely essential to the proper interpretation of the data for a number of general applications, should nevertheless be studied carefully prior to any detailed analysis of demographic or medical data variables. In particular, there are a number of details about multiple cause-of-death coding which, if not understood and analyzed properly, may result in faulty analysis of the data. Volumes 1, 2 and 3 of the ICD-10 may be purchased from the World Health Organization (WHO) Publication Center USA, see <http://www.cdc.gov/nchs/icd/icd10.htm> . Many of the instruction manuals listed below are available electronically on the NCHS website.

- A. National Center for Health Statistics. Vital statistics, Instructions for Classifying the Underlying Cause-of-Death, ICD-10, 2014. NCHS Instruction Manual, Part 2a. Hyattsville, Maryland: Public Health Service.
- B. National Center for Health Statistics. Vital statistics, Instructions for Classifying Multiple Cause-of-Death, ICD-10, 2014. NCHS Instruction Manual, Part 2b. Hyattsville, Maryland: Public Health Service.
- C. National Center for Health Statistics. Vital statistics, ICD-10 ACME Decision Tables for Classifying Underlying Causes-of-Death, 2014. NCHS Instruction Manual, Part 2c. Hyattsville, Maryland: Public Health Service.
- D. National Center for Health Statistics. Specifications for U.S. Standard Certificate of Birth – 2003 Revision. NCHS Instruction manual, Part 3A. Hyattsville, Maryland: Public Health Service.
- E. National Center for Health Statistics. Specifications for U.S. Standard Certificate of Death – 2003 Revision. NCHS Instruction manual, Part 4. Hyattsville, Maryland: Public Health Service.
- F. National Center for Health Statistics. Vital statistics, Computer Edits for Natality Data, Effective 1993. NCHS Instruction Manual Part 12. Hyattsville, Maryland: Public Health Service.
- G. National Center for Health Statistics. Vital statistics, Computer Edits for Mortality Data, Effective 2012. NCHS Instruction Manual Part 11. Hyattsville, Maryland: Public Health Service.

Instructions manuals are available at:  
[http://www.cdc.gov/nchs/nvss/instruction\\_manuals.htm](http://www.cdc.gov/nchs/nvss/instruction_manuals.htm)

Also see: [http://www.cdc.gov/nchs/nvss/vital\\_certificate\\_revisions.htm](http://www.cdc.gov/nchs/nvss/vital_certificate_revisions.htm) for the most recent information about revised certificates.

## **Underlying Cause of Death Data**

Mortality statistics by cause of death are compiled from entries on the medical certification portion of the death certificate. Causes of death include “all those diseases, morbid conditions or injuries which either resulted in or contributed to death and the circumstances of the accident or violence which produced these injuries”. The medical certification of death is divided into two sections. In Part I, the physician is asked to provide the causal chain of morbid conditions that led to death, beginning with the condition most proximate to death on line (a) and working backwards to the initiating condition. Part I of the medical certification is designed to facilitate the selection of the underlying cause of death when two or more causes are recorded on the certificate. The underlying cause of death is defined by the WHO in the ICD-10 as “(a) the disease or injury which initiated the chain of morbid events leading directly to death, or (b) the circumstances of the accident or violence that produced the fatal injury” and is generally considered the most useful cause from a public health standpoint. Part II of the cause-of-death section of the death certificate solicits other conditions that the certifier believed contributed to death, but were not in the causal chain. While some details of the death certificate vary by state, all states use the same general format for medical certification outlined in the U.S. Standard Certificate. The U.S. Standard Certificate, in turn, closely follows the format recommended by the WHO.

For a given death, the underlying cause is selected from the condition or conditions recorded by the certifier in the cause-of-death section of the death certificate. NCHS is bound by international agreement to make the selection of the underlying cause through the use of the ICD-10 classification structure, and the selection and modification rules contained in this revision of the ICD. Additional information on the underlying cause of death can be found at <http://www.cdc.gov/nchs/data/dvs/mort99doc.pdf> .

## **Multiple Cause of Death Data**

The limitations of the underlying cause concept and the need for more comprehensive data suggested the need for coding and tabulating all conditions listed on the death certificate. Coding all listed conditions on the death certificate was designed with two objectives in mind. First, to facilitate studies of the relationships among conditions reported on the death certificate, which require presenting each condition and its location on the death certificate in the exact manner given by the certifier. Secondly, the coding needed to be carried out in a manner by which the underlying cause-of-death could be assigned using the WHO coding rules. Thus, the approach in developing multiple cause data was to provide two fields: 1) entity axis and 2) record axis. For entity axis, NCHS

suspends the provisions of the ICD that create linkages between conditions for the purpose of coding each individual condition, or entity, with minimum regard to other conditions present on the death certificate.

Record axis is designed for the generation of person-based multiple cause statistics. Person-based analysis requires that each condition be coded within the context of every other condition on the same death certificate and modified or linked to such conditions as provided by ICD-10. By definition, the entity data cannot meet this requirement since the linkage provisions modify the character and placement of the information originally recorded by the certifier. Essentially, the axis of the classification has been converted from an entity basis to a record (or person) basis. The record axis codes are assigned in terms of the set of codes that best describe the overall medical certification portion of the death certificate. Additional information on multiple cause data processing can be found at <http://www.cdc.gov/nchs/data/dvs/mort99doc.pdf> .

### **Entity Axis Codes**

The original conditions coded for selection of the underlying cause-of-death are reformatted and edited prior to creating the public-use data file. The following paragraphs describe the format and application of entity axis data.

1. *Format.* Each entity-axis code is displayed as an overall seven byte code with subcomponents as follows:

1. Line indicator: The first byte represents the line of the death certificate on which the code appears. Six lines (1-6) are allowable with the fourth and fifth denoting one or two written in "due to"s beyond the three lines provided in Part I of the U.S. standard death certificate. Line "6" represents Part II of the death certificate.

2. Position indicator: The next byte indicates the position of the code on the line, i.e., it is the first (1), second (2), third (3) .... eighth (8) code on the line.

3. Cause category: The next four bytes represent the ICD-10 cause code.

4. The last byte is blank.

A maximum of 20 of these seven byte codes are captured on a record for multiple cause purposes. This may consist of a maximum of 8 codes on any given line with up to 20 codes distributed across three or more lines depending on where the subject conditions are located on the certificate. Codes may be omitted from one or more lines, e.g., line 1 with one or more codes, line 2 with no codes, line 3 with one or more codes.

In writing out these codes, they are ordered as follows: line 1 first code, line 1 second code, etc. ----- line 2 first code, line 2 second code, etc. ----- line 3 ---- line 4 ----- line 5 ----- line 6. Any space remaining in the field is left blank. The specifics of locations are contained in the record layout given later in this document.

2. Edit. The original conditions are edited to remove invalid codes, reverify the coding of certain rare causes of death, and assure age/cause and sex/cause compatibility. Detailed information relating to the edit criteria and the sets of cause codes which are valid to underlying cause coding and multiple cause coding are provided in NCHS Instruction Manual Part 11.

3. Entity Axis Applications. The entity axis multiple cause data file is appropriate for analyses that require that each condition be coded as a stand alone entity without linkage to other conditions and/or require information on the placement of such conditions in the death certificate. Within this framework, the entity data are appropriate to examine relationships among conditions and the validity of traditional assumptions in underlying cause selection. Additionally, the entity data provide in certain categories a more detailed code assignment that could be excluded in creating record axis data. Where such detail is needed for a study, the user should use entity data. Finally, the researcher may not wish to be bound by the assumptions used in the axis translation process.

The main limitation of entity axis data is that it does not necessarily reflect the best code for a condition when considered within the context of the medical certification as a whole. As a result, certain entity codes can be misleading or even contradict other codes in the record. For example, category K80.2 is titled "Calculus of gallbladder without cholecystitis." Within the framework of entity codes this is interpreted to mean that the codable entity itself contained no mention of cholecystitis rather than that cholecystitis was not mentioned anywhere on the record. Tabulation of records with a "K80.2" as a count of persons having Calculus of gallbladder without cholecystitis would therefore be erroneous. This illustrates the fact that under entity coding the ICD-10 titles cannot be taken literally. The user should study the rules for entity coding as they relate to his/her research prior to use of entity data. The user is further cautioned that the inclusion notes in ICD-10 that relate to modifying and combining categories are seldom applicable to entity coding (except where provided in NCHS Instruction Manual Part 2b).

In tabulating the entity axis data, one may count codes with an individual code representing the number of times the condition(s) appears in the file. In this kind of tabulation of morbid conditions, the counts among categories may be added together to produce counts for groups of codes. Alternatively, subject to the limitations given above, one may count persons having mention of the disease represented by a code or codes. In this instance it is not correct to add counts for individual codes to create person counts for groups of codes. Since more than one code in the researcher's interest may appear together on the certificate, totaling must account for higher order interactions among codes. Up to 20 codes may be assigned on a record; therefore, a 20-way interaction is theoretically possible. All totaling must be based on mention of one or more of the categories under investigation.

## Record Axis Codes

The following paragraphs describe the format and application of record-axis data. Part 2f of the Instruction Manual Series (ICD-10 TRANSAX Disease Reference Tables for classifying Multiple Causes-of-Death) describes the TRANSAX process for creating record axis data from entity axis data.

1. Format. Each record (or person) axis code is displayed in five bytes. Location information is not relevant. The Code consists of the following components:

1. Cause category: The first four bytes represent the ICD-10 cause code.
2. The last byte is blank.

Again, a maximum of 20 codes are captured on a record for multiple cause purposes. The codes are written in a 100-byte field in ascending code number (5 bytes) order with any unused bytes left blank.

2. Edit. The record axis codes are edited for rare causes and age/cause and sex/cause compatibility. Likewise, individual code validity is checked. The valid code set for record axis coding is the same as that for entity coding.

3. Record Axis Applications. The record axis multiple cause data are the basis for NCHS core multiple cause tabulations. Location of codes is not relevant to this data, and conditions have been linked into the most meaningful categories for the certification. The most immediate consequence for the user is that the codes on the record already represent mention of a disease assignable to that particular ICD-10 category. This is in contrast to the entity code which is assigned each time such a disease is reported on different lines of the certification. Secondly, the linkage implies that within the constraints of ICD-10 the most meaningful code has been assigned. The translation process creates for the user a data file that is edited for contradictions, duplicate codes, and imprecisions. In contrast to entity axis data, record axis data are classified in a manner comparable to underlying cause of death classification thereby facilitating joint analysis of these variables. A potential disadvantage of record axis data is that some detail is sacrificed in a number of the linkages.

The user can take the record axis codes as literally representing the information conveyed in ICD-10 category titles. While knowledge of the rules for combining and linking and coding conditions is useful, it is not a prerequisite to meaningful analysis of the data as long as one is willing to accept the assumptions of the axis translation process. The user is cautioned, however, that due to special rules in mortality coding, not all linkage notes in ICD-10 are used. (NCHS Instruction Manual Part 2f).

The user should proceed with caution in using record axis data to count conditions as opposed to people with conditions, since linkages have been invoked and duplicate codes have been eliminated. As with entity data, person-based tabulations that combine individual cause categories must take into account the possible interaction of up to 20 codes on a single certificate.

### **Additional Information**

In using the NCHS multiple cause data files, the user is urged to review the information in this document and its references. The instructional material does change from year to year and ICD revision to ICD revision. The user is cautioned that coding of specific ICD-10 categories should be checked in the appropriate instruction manual. What may appear on the surface to be the correct code by ICD-10 may in fact not be correct as given in the instruction manuals.

If on the surface it is not obvious whether entity axis or record axis data should be employed in a given application, detailed examination of NCHS Instruction Manual Part 2f and its attachments will probably provide the necessary information to make a decision. It allows the user to determine the extent of the trade-offs between the two sets of data in terms of specific categories and the assumption of axis translation. In certain situations, a combination of entity and record axis data may be the more appropriate alternative.

2014 Period Linked Birth/Infant Death Data Set

Numerator Files:

United States

A. Record count:	23,085
B. Record length:	1,779
C. Data counts:	a. By occurrence: 23,085 b. By residence: 23,052 c. To foreign residents: 33

Territories

A. Record count:	271
B. Record length:	1,779

Denominator Files:

United States

A. Record count:	3,998,175
B. Record length:	1346
C. Data counts:	a. By occurrence: 3,998,175 b. By residence: 3,988,076 c. To foreign residents: 10,099

Territories

A. Record count:	37,905
B. Record length:	1346

Unlinked Files:

United States

A. Record count:	158
B. Record length:	1,779

Territories

A. Record count:	1
B. Record length:	1,779

# **2014 Linked Public Use File Layout**



Position	Len	File*	Field	Description	Flag Position	Values	Definition
1-7	7		FILLER01	<b>FILLER</b>		Blank	
8	1		LATEREC	<b>Late Record Flag</b>		0, blank 1	Not late record Late record
9-12	4	P,G	DOB_YY	<b>Birth Year</b>		2013 2014	2013 2014
13-14	2	P,G	DOB_MM	<b>Birth Month</b>		01 02 03 04 05 06 07 08 09 10 11 12	January February March April May June July August September October November December
15-18	4		FILLER02	<b>FILLER</b>		Blank	
19-22	4	P,G	DOB_TT	<b>Time of Birth</b>	126	0000-2359 9999	Time of Birth Not Stated
23	1	P,G	DOB_WK	<b>Birth Day of Week</b>		1 2 3 4 5 6 7	Sunday Monday Tuesday Wednesday Thursday Friday Saturday
24-31	8		FILLER03	<b>FILLER</b>		Blank	
32	1	P,G	BFACIL	<b>Birth Place (Revised)</b> Revised data only. See field 1330 for national data.	33	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
33	1	P,G	F_BFACIL	<b>Reporting Flag for Birth Place</b>		0	Non-Reporting

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						1	Reporting
34-49	16		FILLER04	<b>FILLER</b>		Blank	
50	1	P,G	BFACIL3	<b>Facility Recode</b>		1 2 3	In Hospital Not in Hospital Unknown or Not Stated
51-72	22		FILLER05	<b>FILLER</b>		Blank	
73	1	P,G	MAGEIMP	<b>Mother's Age Imputed</b> Due to missing data, age imputed.		Blank 1	Age not imputed Age imputed
74	1	P,G	MAGEREP	<b>Reported Age of Mother Used Flag</b> Due to missing date of birth, reported age used.		Blank 1	Reported age not used Reported age used
75-76	2	P,G	MAGER	<b>Mother's Age Recode 41</b>		12 10 – 12 years, 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	
77-78	2	P,G	MAGER14	<b>Mother's Age Recode 14</b>		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
79	1	P,G	MAGER9	<b>Mother's Age Recode 9</b>		1 2 3 4 5 6	Under 15 years 15-19 years 20-24 years 25-29 years 30-34 years 35-39 years

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						7	40-44 years
						8	45-49 years
						9	50-54 years
80-83	4		FILLER06	<b>FILLER</b>		Blank	
84	1	P,G	MBSTATE_REC	<b>Mother's Nativity</b>		1	Born in the U.S. (50 US States)
						2	Born outside the U.S. (includes possessions)
						3	Unknown or Not Stated
85-103	19		FILLER07	<b>FILLER</b>		Blank	
104	1	P,G	RESTATUS	<b>Residence Status</b>			
				<u>United States</u>		1	RESIDENT: State and county of occurrence and residence are the same.
						2	INTRASTATE NONRESIDENT: State of occurrence and residence are the same but county is different.
						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>U.S. Territories</u>		1	RESIDENT: State and county of occurrence and residence 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.
105-106	2	P,G	MRACE31	<b>Mother's Race Recode 31</b>			
				<u>United States and all Outlying Areas of the United States except Puerto Rico</u>		01	White (only) [only one race reported]
						02	Black (only)
						03	AIAN (American Indian or Alaskan Native) (only)
						04	Asian (only)
						05	NHOPI (Native Hawaiian or Other Pacific Islander) (only)
						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

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						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
						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
107	1	P,G	MRACE6	<b>Mother's Race Recode 6</b>			
				<u>United States and all Outlying Areas</u>		1	White (only)
				<u>of the United States except Puerto</u>		2	Black (only)
				<u>Rico</u>		3	AIAN (only)
						4	Asian (only)
						5	NHOPI (only)
						6	More than one race
108-109	2	P,G	MRACE15	<b>Mother's Race Recode 15</b>			
				<u>United States and all Outlying Areas</u>		01	White (only)
				<u>of the United States except Puerto</u>		02	Black (only)
				<u>Rico</u>		03	AIAN (only)
						04	Asian Indian (only)
						05	Chinese (only)
						06	Filipino (only)
						07	Japanese (only)
						08	Korean (only)
						09	Vietnamese (only)
						10	Other Asian (only)
						11	Hawaiian (only)
						12	Guamanian (only)
						13	Samoan (only)
						14	Other Pacific Islander (only)
						15	More than one race

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
110	1	P,G	MBRACE	<b>Bridged Race Mother</b> Includes individuals reporting only one race and individuals reporting more than one race bridged to a single race.			
				<u>United States and all Outlying Areas of the United States except Puerto Rico</u>		1 2 3 4	White Black American Indian or Alaskan Native Asian or Pacific Islander
				<u>Puerto Rico</u>		1 2 0	White Black Other (not classified as White or Black)
111	1	P,G	MRACEIMP	<b>Mother's Race Imputed</b>		Blank 1 2	Mother's race not imputed Unknown race imputed All other races, formerly coded 09, imputed.
112-114	3		FILLER08	<b>FILLER</b>		Blank	
115	1	P,G	MHISP_R	<b>Mother's Hispanic Origin Recode</b>		0 1 2 3 4 5 9	Non-Hispanic Mexican Puerto Rican Cuban Central and South American Other and Unknown Hispanic origin Hispanic origin not stated
				116			
116	1	P,G	F_MHISP	<b>Reporting Flag for Mother's Origin</b>			See footnote
117	1	P,G	MRACEHISP	<b>Mother's Race/Hispanic Origin</b> Based on single/multiple-race (fields 105-106, 107, and 108-109); for coding to create bridged-race categories (field 110) see "Coding for bridge-race and Hispanic origin categories" in the Detailed Technical Notes.		1 2 3 4 5 6 7 8	Non-Hispanic White (only) Non-Hispanic Black (only) Non-Hispanic AIAN (only) Non-Hispanic Asian (only) Non-Hispanic NHOPI (only) Non-Hispanic more than one race Hispanic Origin unknown or not stated
118	1		FILLER09	<b>FILLER</b>		Blank	
119	1	P,G	MAR_P	<b>Paternity Acknowledged</b>	123	Y N U X	Yes No Unknown Not Applicable

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
120	1	P,G	DMAR	<b>Marital Status</b>			
				<u>United States and all Outlying Areas</u>		1	Married
				<u>Of the United States except Puerto Rico</u>		2	Unmarried
				<u>Rico</u>		9	Unknown, NS
				<u>Puerto Rico</u>		1	Yes
						2	Unmarried parents living together
						3	Unmarried parents not living together
						9	Unknown or not stated
121	1	P,G	MAR_IMP	<b>Mother's Marital Status Imputed</b>		Blank	Marital Status not imputed
						1	Marital Status imputed
122	1		FILLER10	<b>FILLER</b>		Blank	
123	1	P,G	F_MAR_P	<b>Reporting Flag for Paternity Acknowledged</b>			See footnote
124	1	P,G	MEDUC	<b>Mother's Education</b>	126		
						1	8 <sup>th</sup> grade or less
						2	9 <sup>th</sup> through 12 <sup>th</sup> grade with no diploma
						3	High school graduate or GED completed
						4	Some college credit, but not a degree.
						5	Associate degree (AA,AS)
						6	Bachelor's degree (BA, AB, BS)
						7	Master's degree (MA, MS, MEng, MEd, MSW, MBA)
						8	Doctorate (PhD, EdD) or Professional Degree (MD, DDS, DVM, LLB, JD)
						9	Unknown
125	1		MEDUC_BYP	<b>Mother's Education Bypass</b>			
						0	Edit Passed
						1	Edit failed, data queried and verified
						2	Edit failed, data queried but not verified
						Blank	Bypass not used
126	1	P,G	F_MEDUC	<b>Reporting Flag for Education of Mother</b>			See footnote
127-141	15		FILLER_M	<b>Filler</b>		Blank	
142	1	P,G	FAGERPT_FLG	<b>Father's Reported Age Used</b>		Blank	Father's reported age not used
						1	Father's reported age used
143-146	4		FILLER11	<b>FILLER</b>		Blank	
147-148	2	P,G	FAGECOMB	<b>Father's Combined Age (Revised)</b>		09-98	Father's combined age in years
						99	Unknown or not stated
149-150	2	P,G	FAGE11	<b>Father's Age Recode 11</b>		01	Under 15 years

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						02	15-19 years
						03	20-24 years
						04	25-29 years
						05	30-34 years
						06	35-39 years
						07	40-44 years
						08	45-49 years
						09	50-54 years
						10	55-98 years
						11	Not stated
151-152	2	P,G	FRACE31	<b>Father's Race Recode 31</b>		01	White (only) [only one race reported]
						02	Black (only)
						03	AIAN (American Indian or Alaskan Native) (only)
						04	Asian (only)
						05	NHOPI (Native Hawaiian or Other Pacific Islander) (only)
						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
						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
						99	Unknown or Not Stated
153	1	P,G	FRACE6	<b>Father's Race Recode 6</b>		1	White (only)
						2	Black (only)

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						3	AIAN (only)
						4	Asian (only)
						5	NHOPI (only)
						6	More than one race
						9	Unknown or Not Stated
154-155	2	P,G	FRACE15	<b>Father's Race Recode 15</b>		01	White (only)
						02	Black (only)
						03	AIAN (only)
						04	Asian Indian (only)
						05	Chinese (only)
						06	Filipino (only)
						07	Japanese (only)
						08	Korean (only)
						09	Vietnamese (only)
						10	Other Asian (only)
						11	Hawaiian (only)
						12	Guamanian (only)
						13	Samoan (only)
						14	Other Pacific Islander (only)
						15	More than one race
						99	Unknown or Not Stated
156	1	P,G	FBRACE	<b>Bridged Race Father</b> Includes individuals reporting only one race and individuals reporting more than one race bridged to a single race.			
				<u>United States and all Outlying Areas of the United States except Puerto Rico</u>		1	White
						2	Black
						3	American Indian or Alaskan Native
						4	Asian or Pacific Islander
				<u>Puerto Rico</u>		1	White
						2	Black
						0	Other (not classified as White or Black)
157-159	3		FILLER12	<b>FILLER</b>		Blank	
160	1	P,G	FHISP_R	<b>Father's Hispanic Origin Recode</b>		0	Non-Hispanic
					161	1	Mexican
						2	Puerto Rican
						3	Cuban
						4	Central and South American
						5	Other and Unknown Hispanic origin
						9	Hispanic origin not stated

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only



Position	Len	File*	Field	Description	Flag Position	Values	Definition
161	1	P,G	F_FHISP	<b>Reporting Flag for Father's Origin</b>			See footnote
162	1	P,G	FRACEHISP	<b>Father's Race/Hispanic Origin</b> Based on single/multiple-race (fields 151-152, 153, and 154-155); for coding to create bridged-race categories (field 156) see "Coding for bridge-race and Hispanic origin categories" in the Detailed Technical Notes		1 2 3 4 5 6 7 8 9	Non-Hispanic White (only) Non-Hispanic Black (only) Non-Hispanic AIAN (only) Non-Hispanic Asian (only) Non-Hispanic NHOPI (only) Non-Hispanic more than one race Hispanic Origin unknown or not stated Race unknown or not stated (Non-Hispanic)
163	1	P,G	FEDUC	<b>Father's Education</b>	165	1 2 3 4 5 6 7 8 9	8 <sup>th</sup> grade or less 9 <sup>th</sup> through 12 <sup>th</sup> 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
164	1		FILLER13	<b>FILLER</b>			Blank
165	1	P,G	F_FEDUC	<b>Reporting Flag for Education of Father</b>			See footnote
166-170	5	P,G	FILLER_F	<b>FILLER</b>			Blank
171-172	2	P,G	PRIORLIVE	<b>Prior Births Now Living</b>		00-30 99	Number of children still living from previous live births. Unknown or not stated
173-174	2	P,G	PRIORDEAD	<b>Prior Births Now Dead</b>		00-30 99	Number of children dead from previous live births. Unknown or not stated
175-176	2	P,G	PRIORTERM	<b>Prior Other Terminations</b>		00-30 99	Number other terminations Unknown or not stated
177-178	2		FILLER_XY	<b>FILLER</b>			Blank
179	1	P,G	LBO_REC	<b>Live Birth Order Recode</b>		1-7 8 9	Number of live birth order. 8 or more live births Unknown or not stated
180-181	2		FILLER14	<b>FILLER</b>			Blank

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
182	1	P,G	TBO_REC	<b>Total Birth Order Recode</b>		1-7 8 9	Number of total birth order. 8 or more total births Unknown or not stated
183-197	15		FILLER15	<b>FILLER</b>		Blank	
198-200	3	P,G	ILLB_R	<b>Interval of Last Live Birth Recode</b>	126	000-003 004-300 888 999	Plural delivery Months since last live birth Not applicable / 1 <sup>st</sup> live birth Unknown or not stated
201-202	2	P,G	ILLB_R11	<b>Interval of Last Live Birth Recode 11</b>	126	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 (1 <sup>st</sup> live birth) Unknown or not stated
203-205	3		FILLER16	<b>FILLER</b>		Blank	
206-208	3	P,G	ILOP_R	<b>Interval of Last Other Pregnancy Recode</b>	126	000-003 004-300 888 999	Plural delivery Months since last live birth Not applicable / 1 <sup>st</sup> natality event Unknown or not stated
209-210	2	P,G	ILOP_R11	<b>Interval of Last Other Pregnancy Recode 11</b>	126	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 (1 <sup>st</sup> natality event) Unknown or not stated
211-213	3		FILLER_ZY	<b>FILLER</b>		Blank	

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
214-216	3	P,G	ILP_R	<b>Interval of Last Pregnancy Recode</b> 126		000-003 004-300 888 999	Plural delivery Months since last live birth Not applicable / no previous pregnancy Unknown or not stated
217-218	2	P,G	ILP_R11	<b>Interval of Last Pregnancy Recode 11</b> 126		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 (no previous pregnancy) Unknown or not stated
219-237	19	FILLER_P		<b>FILLER</b>		Blank	
238-239	2	P,G	PREVIS	<b>Number of Prenatal Visits (Revised)</b> See field 242-243 for national data		00-98 99	Number of prenatal visits Unknown or not stated
240-241	2	FILLER18		<b>FILLER</b>		Blank	
242-243	2	P,G	PREVIS_REC	<b>Number of Prenatal Visits Recode</b> 244		01 02 03 04 05 06 07 08 09 10 11 12	No visits 1 to 2 visits 3 to 4 visits 5 to 6 visits 7 to 8 visits 9 to 10 visits 11 to 12 visits 13 to 14 visits 15 to 16 visits 17 to 18 visits 19 or more visits Unknown or not stated
244	1	P,G	F_TPCV	<b>Reporting Flag for Total Prenatal Care Visits</b>			See footnote
245-250	6	FILLER_C		<b>FILLER</b>		Blank	
251	1	P,G	WIC	<b>WIC</b>	252	Y N U	Yes No Unknown or not stated
252	1	P,G	F_WIC	<b>Reporting Flag for WIC</b>			See footnote

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
253-254	2	P,G	CIG_0	<b>Cigarettes Before Pregnancy</b>	265	00-97 98 99	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated
255-256	2	P,G	CIG_1	<b>Cigarettes 1<sup>st</sup> Trimester</b>	266	00-97 98 99	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated
257-258	2	P,G	CIG_2	<b>Cigarettes 2<sup>nd</sup> Trimester</b>	267	00-97 98 99	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated
259-260	2	P,G	CIG_3	<b>Cigarettes 3<sup>rd</sup> Trimester</b>	268	00-97 98 99	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated
261	1	P,G	CIG0_R	<b>Cigarettes Before Pregnancy Recode</b>	265	0 1 2 3 4 5 6	Nonsmoker 1-5 6-10 11-20 21-40 41 or more Unknown or not stated
262	1	P,G	CIG1_R	<b>Cigarettes 1<sup>st</sup> Trimester Recode</b>	266	0 1 2 3 4 5 6	Nonsmoker 1-5 6-10 11-20 21-40 41 or more Unknown or not stated
263	1	P,G	CIG2_R	<b>Cigarettes 2<sup>nd</sup> Trimester Recode</b>	267	0 1 2 3 4 5 6	Nonsmoker 1-5 6-10 11-20 21-40 41 or more Unknown or not stated
264	1	P,G	CIG3_R	<b>Cigarettes 3<sup>rd</sup> Trimester Recode</b>	268	0 1 2 3 4	Nonsmoker 1-5 6-10 11-20 21-40

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						5	41 or more
						6	Not stated / Not on certificate
265	1	P,G	F_CIGS_0	<b>Reporting Flag for Cigarettes before Pregnancy</b>			See footnote
266	1	P,G	F_CIGS_1	<b>Reporting Flag for Cigarettes 1<sup>st</sup> Trimester</b>			See footnote
267	1	P,G	F_CIGS_2	<b>Reporting Flag for Cigarettes 2<sup>nd</sup> Trimester</b>			See footnote
268	1	P,G	F_CIGS_3	<b>Reporting Flag for Cigarettes 3<sup>rd</sup> Trimester</b>			See footnote
269	1	P,G	CIG_REC	<b>Cigarette Recode (Revised) 270</b>		Y N U	Yes No Unknown or not stated
270	1	P,G	F_TOBACO	<b>Reporting Flag for Tobacco use</b>			See footnote
271-279	9		FILLER_R	<b>FILLER</b>		Blank	
280-281	2	P,G	MHTR	<b>Mother's Height in Inches (Recode)</b>	282	30-78 99	Height in inches Unknown or not stated
282	1	P,G	F_M_HT	<b>Reporting Flag for Mother's Height</b>			See footnote
283-286	4	P,G	BMI	<b>BMI</b>	282	13.0-69.9 99.9	Body Mass Index Unknown or not stated
287	1	P,G	BMI_R	<b>Body Mass Index Recode</b>	282	1 2 3 4 5 6 9	Underweight <18.5 Normal 18.5-24.9 Overweight 25.0-29.9 Obesity I 35.0-39.9 Obesity II 35.0-39.9 Extreme Obesity III ≥ 40.0 Unknown or not stated
288-291	4		FILLER19	<b>FILLER</b>		Blank	
292-294	3	P,G	PWgt_R	<b>Pre-pregnancy Weight Recode</b>	295	075-375 999	Weight in pounds Unknown or not stated
295	1	P,G	F_PWGT	<b>Reporting Flag for Pre-pregnancy Weight</b>			See footnote
296-298	3		FILLER20	<b>FILLER</b>		Blank	
299-301	3	P,G	DWgt_R	<b>Delivery Weight Recode</b>	303	100-400 999	Weight in pounds Unknown or not stated

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
302	1		FILLER21	<b>FILLER</b>		Blank	
303	1	P,G	F_DWGT	<b>Reporting Flag for Delivery Weight</b>			See footnote
304-305	2	P,G	WTGAIN	<b>Weight Gain</b>	307	00-97 98 99	Weight gain in pounds 98 pounds and over Unknown or not stated
306	1	P,G	WTGAIN_REC	<b>Weight Gain Recode</b>	307	1 2 3 4 5 9	Less than 11 pounds 11 to 20 pounds 21 to 30 pounds 31 to 40 pounds 41 to 98 pounds Unknown or not stated
307	1	P,G	F_WTGAIN	<b>Reporting Flag for Weight Gain</b>			See footnote
308-312	5	P,G	FILLER_W	<b>FILLER</b>		Blank	

*The following checkbox fields 313-432 include data for revised states only. For national data for items that are comparable across revisions see fields 1330-1345.*

313-338	30	<b><u>Risk Factors</u></b>					
313	1	P,G	RF_PDIAB	<b>Pre-pregnancy Diabetes</b>	319	Y	Yes
314	1	P,G	RF_GDIAB	<b>Gestational Diabetes</b>	320	N	No
315	1	P,G	RF_PHYPE	<b>Pre-pregnancy Hypertension</b>	321	U	Unknown or not stated
316	1	P,G	RF_GHYPE	<b>Gestational Hypertension</b>	322		
317	1	P,G	RF_EHYPE	<b>Hypertension Eclampsia</b>	323		
318	1	P,G	RF_PPB	<b>Previous Preterm Birth</b>	324		
319	1	P,G	F_RF_PDIAB	<b>Reporting Flag for Pre-pregnancy Diabetes</b>			See footnote
320	1	P,G	F_RF_GDIAB	<b>Reporting Flag for Gestational Diabetes</b>			
321	1	P,G	F_RF_PHYPE	<b>Reporting Flag for Pre-pregnancy Hypertension</b>			
322	1	P,G	F_RF_GHYPE	<b>Reporting Flag for Gestational Hypertension</b>			
323	1	P,G	F_RF_EHYPE	<b>Reporting Flag for Hypertension Eclampsia</b>			
324	1	P,G	F_RF_PPB	<b>Reporting Flag for Previous Preterm Birth</b>			
325	1	P,G	RF_INFT	<b>Infertility Treatment</b>		Y N U	Yes No Unknown or not stated
				Use reporting flag in field 319 for 2014			
326	1	P,G	RF_DRG	<b>Fertility Enhancing Drugs</b>	329	Y N X	Yes No Not applicable

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition	
						U	Unknown or not stated	
327	1	P,G	RF_ART	<b>Asst. Reproductive Technology</b>	330	Y N X U	Yes No Not applicable Unknown or not stated	
328	1		FILLER22	<b>FILLER</b>		Blank		
329	1	P,G	F_RF_DRG	<b>Reporting Flag for Fertility Enhance Drugs</b>			See footnote	
330	1	P,G	F_RF_ART	<b>Reporting Flag for Reproductive Technology</b>			See footnote	
331	1	P,G	RF_CESAR	<b>Previous Cesareans</b>	335	Y N U	Yes No Unknown or not stated	
332-333	2	P,G	RF_CESARN	<b>Number of Previous Cesareans</b>	336	00 01-30 99	None Number of previous cesareans Unknown or not stated	
334	1		FILLER23	<b>FILLER</b>		Blank		
335	1	P,G	F_RF_CESAR	<b>Reporting Flag for Previous Cesarean</b>			See footnote	
336	1	P,G	F_RF_NCESAR	<b>Reporting Flag for Number of Previous Cesareans</b>			See footnote	
337	1	P,G	NO_RISKS	<b>No Risk Factors Checked</b>	126	1 0 9	True False Not Reported	
338-342	5		FILLER_RF	<b>Filler</b>		Blank		
343-358	15		<b><u>Infections Present</u></b>					
343	1	P,G	IP_GON	<b>Gonorrhea</b>	348	Y	Yes	
344	1	P,G	IP_SYPH	<b>Syphilis</b>	349	N	No	
345	1	P,G	IP_CHLAM	<b>Chlamydia</b>	350	U	Unknown or not stated	
346	1	P,G	IP_HEPB	<b>Hepatitis B</b>	351			
347	1	P,G	IP_HEPC	<b>Hepatitis C</b>	352			
348	1	P,G	F_IP_GON	<b>Reporting Flag for Gonorrhea</b>			See footnote	
349	1	P,G	F_IP_SYPH	<b>Reporting Flag for Syphilis</b>				
350	1	P,G	F_IP_CHLAM	<b>Reporting Flag for Chlamydia</b>				
351	1	P,G	F_IP_HEPB	<b>Reporting Flag for Hepatitis B</b>				
352	1	P,G	F_IP_HEPC	<b>Reporting Flag for Hepatitis C</b>				

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition	
353	1	P,G	NO_INFEC	<b>No Infections Checked</b>	126	1 0 9	True False Not Reported	
354-359	6		FILLER_IP	<b>FILLER</b>		Blank		
360-370	12		<b><u>Obstetric Procedures</u></b>					
360	1	P,G	OB_SUCC	<b>Successful External Cephalic Version</b>	363	Y N U	Yes No Unknown or not stated	
361	1	P,G	OB_FAIL	<b>Failed External Cephalic Version</b>	364	Y N U	Yes No Unknown or not stated	
362	1		FILLER24	<b>FILLER</b>		Blank		
363	1	P,G	F_OB_SUCC	<b>Reporting Flag for Successful External Cephalic Version</b>			See footnote	
364	1	P,G	F_OB_FAIL	<b>Reporting Flag for Failed External Cephalic Version</b>			See footnote	
365-382	18		FILLER_OB	<b>FILLER</b>		Blank		
383-400	18		<b><u>Characteristics of Labor and Delivery</u></b>					
383	1	P,G	LD_INDL	<b>Induction of Labor</b>	389	Y	Yes	
384	1	P,G	LD_AUGM	<b>Augmentation of Labor</b>	390	N	No	
385	1	P,G	LD_STER	<b>Steroids</b>	391	U	Unknown or not stated	
386	1	P,G	LD_ANTB	<b>Antibiotics</b>	392			
387	1	P,G	LD_CHOR	<b>Chorioamnionitis</b>	393			
388	1	P,G	LD_ANES	<b>Anesthesia</b>	394			
389	1	P,G	F_LD_INDL	<b>Reporting Flag for Induction of Labor</b>			See footnote	
390	1	P,G	F_LD_AUGM	<b>Reporting Flag for Augmentation of Labor</b>				
391	1	P,G	F_LD_STER	<b>Reporting Flag for Steroids</b>				
392	1	P,G	F_LD_ANTB	<b>Reporting Flag for Antibiotics</b>				
393	1	P,G	F_LD_CHOR	<b>Reporting Flag for Chorioamnionitis</b>				
394	1	P,G	F_LD_ANES	<b>Reporting Flag for Anesthesia</b>				
395	1	P,G	NO_LBRDLV	<b>No Characteristics of Labor Checked</b>	126	1 0 9	True False Not Reported	

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Position	Len	File*	Field	Description	Flag Position	Values	Definition	
396-400	5		FILLER_LD	<b>FILLER</b>		Blank		
401-414	14		<b><u>Method of Delivery</u></b>					
401	1	P,G	ME_PRES	<b>Fetal Presentation</b>	404	1 2 3 9	Cephalic Breech Other Unknown or not stated	
402	1	P,G	ME_ROUT	<b>Final Route &amp; Method of Delivery</b>	405	1 2 3 4 9	Spontaneous Forceps Vacuum Cesarean Unknown or not stated	
403	1	P,G	ME_TRIAL	<b>Trial of Labor Attempted</b>	406	Y N X U	Yes No Not applicable Unknown or not stated	
404	1	P,G	F_ME_PRES	<b>Reporting Flag for Fetal Presentation</b>			See footnote	
405	1	P,G	F_ME_ROUT	<b>Reporting Flag for Final Route and Method of Delivery</b>			See footnote	
406	1	P,G	F_ME_TRIAL	<b>Reporting Flag for Trial of Labor Attempted</b>			See footnote	
407	1	P,G	RDMETH_REC	<b>Delivery Method Recode</b>	409	1 2 3 4 5 6 9	Vaginal (excludes vaginal after previous C-section) Vaginal after previous c-section Primary C-section Repeat C-section Vaginal (unknown if previous c-section) C-section (unknown if previous c-section) Not stated	
408	1	P,G	DMETH_REC	<b>Delivery Method Recode Combined</b>		1 2 9	Vaginal C-Section Unknown	
409	1	P,G	F_DMETH_REC	<b>Reporting Flag for Method of Delivery Recode</b>			See footnote	
410-414	5		FILLER_ME	<b>FILLER</b>		Blank		
415-432	18		<b><u>Maternal Morbidity</u></b>					
415	1	P,G	MM_MTR	<b>Maternal Transfusion</b>	421	Y	Yes	
416	1	P,G	MM_PLAC	<b>Perineal Laceration</b>	422	N	No	

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition	
	417	1	P,G	MM_RUPT	<b>Ruptured Uterus</b>	423	U	Unknown or not stated
	418	1	P,G	MM_UHYST	<b>Unplanned Hysterectomy</b>	424		
	419	1	P,G	MM_AICU	<b>Admit to Intensive Care</b>	425		
	420	1		FILLER25	<b>FILLER</b>		Blank	
	421	1	P,G	F_MM_MTR	<b>Reporting Flag for Maternal Transfusion</b>			See footnote
	422	1	P,G	F_MM_PLAC	<b>Reporting Flag for Perineal Laceration</b>			
	423	1	P,G	F_MM_RUPT	<b>Reporting Flag for Ruptured Uterus</b>			
	424	1	P,G	F_MM_UHYST	<b>Reporting Flag for Unplanned Hysterectomy</b>			
	425	1	P,G	F_MM_AICU	<b>Reporting Flag for Admission to Intensive Care</b>			
	426	1		FILLER26	<b>FILLER</b>		Blank	
	427	1	P,G	NO_MMORB	<b>No Maternal Morbidity Checked</b>	126	1 0 9	True False Not Reported
	428-432	5		FILLER_MM	<b>FILLER</b>		Blank	
433		1	P,G	ATTEND	<b>Attendant</b>		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
434		1	P,G	MTRAN	<b>Mother Transferred</b>	126	Y N U	Yes No Unknown
435		1	P,G	PAY	<b>Payment Source</b>	437	1 2 3 4 5 6 8 9	Medicaid Private Insurance Self-Pay Indian Health Service CHAMPUS/TRICARE Other Government (Federal, State, Local) Other Unknown
436		1	P,G	PAY_REC	<b>Payment Recode</b>	438	1 2 3 4 9	Medicaid Private Insurance Self Pay Other Unknown

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Position	Len	File*	Field	Description	Flag Position	Values	Definition
437	1	P,G	F_PAY	<b>Reporting Flag for Source of Payment</b>			See footnote
438	1	P,G	F_PAY_REC	<b>Reporting Flag for Payment Recode</b>			See footnote
439-443	5		FILLER_A	<b>FILLER</b>		Blank	
444-445	2	P,G	APGAR5	<b>Five Minute APGAR Score</b> 447		00-10 99	A score of 0-10 Unknown or not stated
446	1	P,G	APGAR5R	<b>Five Minute APGAR Recode</b> 447		1 2 3 4 5	A score of 0-3 A score of 4-6 A score of 7-8 A score of 9-10 Unknown or not stated
447	1	P,G	F_APGAR5	<b>Reporting Flag for Five minute APGAR</b>			See footnote
448-449	2	P,G	APGAR10	<b>Ten Minute APGAR Score</b> Use reporting flag in field 126 for 2014		00-10 88 99	A score of 0-10 Not applicable Unknown or not stated
450	1	P,G	APGAR10R	<b>Ten Minute APGAR Recode</b> Use reporting flag in field 126 for 2014		1 2 3 4 5	A score of 0-3 A score of 4-6 A score of 7-8 A score of 9-10 Not stated/not applicable
451-453	3		FILLER27	<b>FILLER</b>		Blank	
454	1	P,G	DPLURAL	<b>Plurality Recode</b>		1 2 3 4 5	Single Twin Triplet Quadruplet Quintuplet or higher
455	1		FILLER28	<b>FILLER</b>		Blank	
456	1	P,G	IMP_PLUR	<b>Plurality Imputed</b>		Blank 1	Plurality is imputed Plurality is not imputed
457-458	2		FILLER29	<b>FILLER</b>		Blank	
459	1	P,G	SETORDER_R	<b>Set Order Recode</b>	126	1 1 <sup>st</sup> , 2 2 <sup>nd</sup> , 3 3 <sup>rd</sup> , 4 4 <sup>th</sup> , 5 5 <sup>th</sup> to 16 <sup>th</sup> 9	Unknown or not stated
460-474	15		FILLER30	<b>FILLER</b>		Blank	

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Position	Len	File*	Field	Description	Flag Position	Values	Definition
475	1	P,G	SEX	<b>Sex of Infant</b>		M F	Male Female
476	1	P,G	IMP_SEX	<b>Imputed Sex</b>		Blank 1	Infant Sex not Imputed Infant Sex is Imputed
477-478	2	P,G	DLMP_MM	<b>Last Normal Menses Month</b>		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
479-480	2		FILLER31	<b>FILLER</b>		Blank	
481-484	4	P,G	DLMP_YY	<b>Last Normal Menses Year</b>		nnnn 9999	Year of last normal menses Unknown or not stated
485-487	3		FILLER32	<b>FILLER</b>		Blank	
488	1	P,G	COMBGST_IMP	<b>Combined Gestation Imputed</b>		Blank 1	Combined Gestation is not imputed Combined Gestation is imputed
489	1	P,G	OBGEST_FLG	<b>Obstetric Estimate of Gestation Used Flag</b>		Blank 1	Clinical Estimate is not used Clinical Estimate is used
490-491	2	P,G	COMBGEST	<b>Combined Gestation – Detail in Weeks</b>		17-47 99	17 <sup>th</sup> through 47 <sup>th</sup> week of Gestation Unknown
492-493	2	P,G	GESTREC10	<b>Combined Gestation Recode 10</b>		01 02 03 04 05 06 07 08 09	Under 20 weeks 20-27 weeks 28-31 weeks 32-33 weeks 34-36 weeks 37-38 weeks 39 weeks 40 weeks 41 weeks

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						10 99	42 weeks and over Unknown
494	1	P,G	GESTREC3	<b>Combined Gestation Recode 3</b>		1 2 3	Under 37 weeks 37 weeks and over Not stated
495-497	3		FILLER33	<b>FILLER</b>		Blank	
498	1	P,G	LMPUSED	<b>Computed (LMP) Gestation Used Flag</b>		Blank 1	LMP not used for gestation LMP used for gestation
499-500	2	P,G	OEGest_Comb	<b>Obstetric Estimate Edited</b> (NCHS Standard item)		17-47 99	Weeks of gestation Not stated
501-502	2	P,G	OEGest_R10	<b>Obstetric Estimate Recode10</b> (NCHS Standard item)		01 02 03 04 05 06 07 08 09 10 99	Under 20 weeks 20-27 weeks 28-31 weeks 32-33 weeks 34-36 weeks 37-38 weeks 39 weeks 40 weeks 41 weeks 42 weeks and over Unknown
503	1	P,G	OEGest_R3	<b>Obstetric Estimate Recode 3</b> (NCHS Standard Item)		1 2 3	Under 37 weeks 37 weeks and over Not stated
504-508	5		FILLER34	<b>FILLER</b>		Blank	
509-510	2	P,G	BWTR14	<b>Birth Weight Recode 14</b>		01 02 03 04 05 06 07 08 09 10 11 12 13 14	227 - 499 grams 500 - 749 grams 750 - 999 grams 1000 - 1249 grams 1250 - 1499 grams 1500 - 1999 grams 2000 - 2499 grams 2500 - 2999 grams 3000 - 3499 grams 3500 - 3999 grams 4000 - 4499 grams 4500 - 4999 grams 5000 - 8165 grams Not Stated

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
511	1	P,G	BWTR4	<b>Birth Weight Recode 4</b>		1 2 3 4	227 - 1499 grams 1500 – 2499 grams 2500 - 8165 grams Unknown or not stated
512-515	4	P,G	BRTHWGT	<b>Imputed Birthweight</b>		0227- 8165 9999	Number of grams Not stated
516	1		FILLER35	<b>FILLER</b>			

*The following checkbox fields 517-566 include data for revised states only. For national data for items that are comparable across revisions see fields 1331-1345.*

517-536	20	<b><u>Abnormal Conditions of the Newborn</u></b>					
517	1	P,G	AB_AVEN1	<b>Assisted Ventilation</b>	524	Y	Yes
518	1	P,G	AB_AVEN6	<b>Assisted Ventilation &gt; 6 hrs</b>	525	N	No
519	1	P,G	AB_NICU	<b>Admission to NICU</b>	526	U	Unknown or not stated
520	1	P,G	AB_SURF	<b>Surfactant</b>	527		
521	1	P,G	AB_ANTI	<b>Antibiotics</b>	528		
522	1	P,G	AB_SEIZ	<b>Seizures</b>	529		
523	1		FILLER36	<b>FILLER</b>			Blank
524	1	P,G	F_AB_AVEN1	<b>Reporting Flag for Assisted Ventilation</b>			See footnote
525	1	P,G	F_AB_AVEN6	<b>Reporting Flag for Assisted Ventilation &gt;6 hrs</b>	1		
526	1	P,G	F_AB_NICU	<b>Reporting Flag for Admission to NICU</b>			
527	1	P,G	F_AB_SURF	<b>Reporting Flag for Surfactant</b>			
528	1	P,G	F_AB_ANTI	<b>Reporting Flag for Antibiotics</b>			
529	1	P,G	F_AB_SEIZ	<b>Reporting Flag for Seizures</b>			
530	1		FILLER37	<b>FILLER</b>			Blank
531	1	P,G	NO_ABNORM	<b>No Abnormal Conditions Checked</b>		1 0 9	True False Not Reported
532-536	5		FILLER_AB	<b>FILLER</b>			Blank
537-566	30	<b><u>Congenital Anomalies of the Newborn</u></b>					
537	1	P,G	CA_ANEN	<b>Anencephaly</b>	543	Y	Yes
538	1	P,G	CA_MNSB	<b>Meningomyelocele / Spina Bifida</b>	544	N	No

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
539	1	P,G	CA_CCHD	<b>Cyanotic Congenital Heart Disease</b>	545	U	Unknown or not stated
540	1	P,G	CA_CDH	<b>Congenital Diaphragmatic Hernia</b>	546		
541	1	P,G	CA_OMP	<b>Omphalocele</b>	547		
542	1	P,G	CA_GAST	<b>Gastroschisis</b>	548		
543	1	P,G	F_CA_ANEN	<b>Reporting Flag for Anencephaly</b>			See footnote
544	1	P,G	F_CA_MNSB	<b>Flag for Meningocele/Spina Bifida</b>			
545	1	P,G	F_CA_CCHD	<b>Reporting Flag for Cyanotic Congenital Heart Disease</b>			
546	1	P,G	F_CA_CDH	<b>Reporting Flag for Congenital Diaphragmatic Hernia</b>			
547	1	P,G	F_CA_OMP	<b>Reporting Flag for Omphalocele</b>			
548	1	P,G	F_CA_GAST	<b>Reporting Flag for Gastroschisis</b>			
549	1	P,G	CA_LIMB	<b>Limb Reduction Defect</b>	555	Y	Yes
550	1	P,G	CA_CLEFT	<b>Cleft Lip w/ or w/o Cleft Palate</b>	556	N	No
551	1	P,G	CA_CLPAL	<b>Cleft Palate alone</b>	557	U	Unknown or not stated
552	1	P,G	CA_DOWN	<b>Down Syndrome</b>	558	C P N U	Confirmed Pending No Unknown
553	1	P,G	CA_DISOR	<b>Suspected Chromosomal Disorder</b>	559	C P N U	Confirmed Pending No Unknown
554	1	P,G	CA_HYPO	<b>Hypospadias</b>	560	Y N U	Yes, anomaly reported No, anomaly not reported Unknown
555	1	P,G	F_CA_LIMB	<b>Reporting Flag for Limb Reduction Defect</b>			See footnote
556	1	P,G	F_CA_CLEFT	<b>Flag for Cleft Lip with or without Cleft Palate</b>			
557	1	P,G	F_CA_CLPAL	<b>Reporting Flag for Cleft Plate Alone</b>			
558	1	P,G	F_CA_DOWN	<b>Reporting Flag for Down Syndrome</b>			
559	1	P,G	F_CA_DISOR	<b>Reporting Flag for Suspected Chromosomal Disorder</b>			
560	1	P,G	F_CA_HYPO	<b>Reporting Flag for Hypospadias</b>			
561	1	P,G	NO_CONGEN	<b>No Congenital Anomalies Checked</b>	126	1 0 9	True False Not Reported
562-566	5		FILLER_CA	<b>FILLER</b>		Blank	
567	1	P,G	ITRAN	<b>Infant Transferred</b>	126	Y N U	Yes No Unknown or not stated

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
568	1	P,G	ILIVE	<b>Infant Living at Time of Report</b>	126	Y N U	Yes No Unknown or not stated
569	1	P,G	BFED	<b>Infant Being Breastfed</b>	570	Y N U	Yes No Unknown or not stated
570	1	P,G	F_BFED	<b>Reporting Flag for Breastfed at Discharge</b>			See footnote
571-1329	759		FILLER_X	<b>FILLER</b>			Blank

*The following items (fields 1330-1338 and 1340-1345) are comparable across revisions and include data for revised and unrevised reporting areas.*

1330	1	P,G	uBFacil	<b>Place of birth</b>		1 2 3 4 5 9	Hospital Freestanding Birthing Center Clinic / Doctor's Office Residence Other Unknown
1331-1345		<b>Unrevised Check Boxes</b>		All checkbox items below follow this coding structure:		1 2 9	Yes No Unknown
1331	1	P,G	uRF_Diab	<b>Diabetes</b>			
1332	1	P,G	uRF_Chype	<b>Chronic Hypertension</b>			
1333	1	P,G	uRF_Phype	<b>Prepregnancy Associated Hypertension</b>			
1334	1	P,G	uRf_Ehype	<b>Eclampsia</b>	338		
1335	1	P,G	uME_Forc	<b>Forceps</b>			
1336	1	P,G	uME_Vacu	<b>Vacuum</b>			
1337	1	P,G	uOB_Indu	<b>Induction of Labor</b>			
1338	1	P,G	uLD_Bree	<b>Breech</b>			
1339	1		FILLER38	<b>FILLER</b>			
1340	1	P,G	uCA_Anen	<b>Anencephaly</b>			
1341	1	P,G	uCA_Spina	<b>Spina Bifida / Meningocele</b>			
1342	1	P,G	uCA_Omph	<b>Omphalocele / Gastroschisis</b>			
1343	1	P,G	uCA_Clip	<b>Cleft Lip / Palate</b>			
1344	1	P,G	uCA_Hern	<b>Diaphragmatic Hernia</b>			
1345	1	P,G	uCA_Down	<b>Down Syndrome</b>			

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only



Position	Len	File*	Field	Description	Flag Position	Values	Definition
1346	1	P,G	FLGND	<b>Match Status</b>		1 Blank	Record in both files Record not in both files
Here ends the Denominator file. Documentation of the Mortality Section of the Numerator (Linked) file begins below.							
1347-1355	9	FILLER39		<b>FILLER</b>			
1356-1358	3	AGED		<b>Age at Death in Days</b>		000-365	Number of days
1359	1	AGER5		<b>Infant age recode 5</b>		1 2 3 4 5	Under 1 hour 1 – 23 hours 1 – 6 days 7 – 27 days (late neonatal) 28 days and over (postneonatal)
1360-1361	2	AGER22		<b>Infant age recode 22</b>		Blank 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22	Age 1 year and over or not stated Under 1 hour (includes not stated hours and minutes) 1 – 23 hours 1 day (includes not stated days) 2 days 3 days 4 days 5 days 6 days 7 days (includes not stated weeks) 14 – 20 days 21 – 27 days 1 month (includes not stated months) 2 months 3 months 4 months 5 months 6 months 7 months 8 months 9 months 10 months 11 months
1362	1	MANNER		<b>Manner of Death</b>		1 2 3 4 5 6 7	Accident Suicide Homicide Pending investigation Could not determine Self-inflicted Natural

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Position	Len	File*	Field	Description	Flag Position	Values	Definition
						Blank	Not specified
1363	1	DISPO		<b>Method of Disposition</b>		B C O U	Burial Cremation Other Unknown
1364	1	AUTOPSY		<b>Autopsy</b>		Y N U	Yes No Unknown
1365	1	FILLER40		<b>FILLER</b>		Blank	
1366	1	PLACE		<b>Place of injury for causes W00-Y34, except Y06.- and Y07.-</b>		0 1 2 3 4 5 6 7 8 9 Blank	Home Residential institution School, other institution and public administrative area Sports and athletics area Street and highway Trade and service area Industrial and construction area Farm Other Specified Places Unspecified place Cause other than W00-Y34, except Y06.- and Y07.-
1367	1	FILLER63		<b>FILLER</b>			
<b><u>UNDERLYING CAUSE OF DEATH</u></b>							
1368-1371	4	UC0D		<b>ICD Code (10<sup>th</sup> Revision) See the <u>International Classification of Diseases, 1992 Revision, Volume 1.</u></b>			
1372	1	FILLER64		<b>FILLER</b>			
1373-1375	3	UCODR130		<b>130 Infant Cause Recode</b>			
1376	1	FILLER65		<b>FILLER</b>			
1377-1384	8	RECWT		<b>Record Weight (no weights computed for possessions file)</b>		1.XXXXXX	
1385-1386	2	FILLER66		<b>FILLER</b>			
<b><u>MULTIPLE CONDITIONS</u></b>							
1387-1388	2	EANUM		<b>Number of Entity-Axis Conditions</b>		00-20	Code range

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
1389-1528	140	ENTITY		<b>Entity-Axis Conditions</b> Space has been provided for a maximum of 20 conditions. Each condition takes 7 positions in the record. The 7 <sup>th</sup> position will be blank. Records that do not have 20 conditions are blank in the unused area.			
				Position 1: Part/line number on certificate			
				1 ... Part I, line 1 (a)			
				2 ... Part I, line 2 (b)			
				3 ... Part I, line 3 (c)			
				4 ... Part I, line 4 (d)			
				5 ... Part I, line 5 (e)			
				6 ... Part II,			
				Position 2: Sequence of condition within part/line			
				1-7 ... Code range			
				Position 3 – 6: Condition code			
1389-1395	7			1 <sup>st</sup> Condition			
1396-1402	7			2 <sup>nd</sup> Condition			
1403-1409	7			3 <sup>rd</sup> Condition			
1410-1416	7			4 <sup>th</sup> Condition			
1417-1423	7			5 <sup>th</sup> Condition			
1424-1430	7			6 <sup>th</sup> Condition			
1431-1437	7			7 <sup>th</sup> Condition			
1438-1444	7			8 <sup>th</sup> Condition			
1445-1451	7			9 <sup>th</sup> Condition			
1452-1458	7			10 <sup>th</sup> Condition			
1459-1465	7			11 <sup>th</sup> Condition			
1466-1472	7			12 <sup>th</sup> Condition			
1473-1479	7			13 <sup>th</sup> Condition			
1480-1486	7			14 <sup>th</sup> Condition			
1487-1493	7			15 <sup>th</sup> Condition			
1494-1500	7			16 <sup>th</sup> Condition			
1501-1507	7			17 <sup>th</sup> Condition			
1508-1514	7			18 <sup>th</sup> Condition			
1515-1521	7			19 <sup>th</sup> Condition			
1522-1528	7			20 <sup>th</sup> Condition			
1529-1530	2	FILLER67		<b>FILLER</b>			
1531-1532	2	RANUM		<b>Number of Record-Axis Conditions</b>		00-20	Code range
1533-1632	100	RECORD		<b>Record-Axis Conditions</b> Space has been provided for a maximum of 20 conditions. Each condition takes 5 positions in the record. The 5 <sup>th</sup> position will be blank. Records that do not have 20 conditions are blank in the unused area.			

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
Positions 1 – 4: Condition Code							
1533-1537	5			1 <sup>st</sup> Condition			
1538-1542	5			2 <sup>nd</sup> Condition			
1543-1547	5			3 <sup>rd</sup> Condition			
1548-1552	5			4 <sup>th</sup> Condition			
1553-1557	5			5 <sup>th</sup> Condition			
1558-1562	5			6 <sup>th</sup> Condition			
1563-1567	5			7 <sup>th</sup> Condition			
1568-1572	5			8 <sup>th</sup> Condition			
1573-1577	5			9 <sup>th</sup> Condition			
1578-1582	5			10 <sup>th</sup> Condition			
1583-1587	5			11 <sup>th</sup> Condition			
1588-1592	5			12 <sup>th</sup> Condition			
1593-1597	5			13 <sup>th</sup> Condition			
1598-1602	5			14 <sup>th</sup> Condition			
1603-1607	5			15 <sup>th</sup> Condition			
1608-1612	5			16 <sup>th</sup> Condition			
1613-1617	5			17 <sup>th</sup> Condition			
1618-1622	5			18 <sup>th</sup> Condition			
1623-1627	5			19 <sup>th</sup> Condition			
1628-1632	5			20 <sup>th</sup> Condition			
1633-1669	37		FILLER68	<b>FILLER</b>			
1670	1		HOSPD	<b>Place of Death and Decedent's Status</b>		1 2 3 4 5 6 7 9	Hospital, clinic or Medical Center – Inpatient Hospital, clinic or Medical Center – Outpatient or admitted to Emergency Room Hospital, clinic or Medical Center – Dead on Arrival Decedent's home Hospice facility Nursing home/long term care Other Place of death unknown
1671	1		DWEEKDAY	<b>Day of Week of Death</b>		1 2 3 4 5 6 7 9	Sunday Monday Tuesday Wednesday Thursday Friday Saturday Unknown
1672-1675	4		DOD_YY	<b>Data Year</b>		2014	2014

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
1676-1741	66		FILLER71	<b>FILLER</b>		Blank	
1742-1743	2		DOD_MM	<b>Month of Death</b>		01 02 03 04 05 06 07 08 09 10 11 12	January February March April May June July August September October November December

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
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**ADDENDUM**

Detailed geographic information for the territories.

24-25	2	T,G	OSTATE	<b>Occurrence Postal State</b> <u>U.S. Territories</u>		GU Guam, PR Puerto Rico, VI Virgin Islands	
28-30	3	T,G	OCNTYFIPS	<b>Occurrence FIPS County</b>	000-nnn	County of Occurrence	
31	1	T,G	OCNTYPOP	<b>Occurrence County Population</b>	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	

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						4	County of 50,000 to 100,000
						5	County of 25,000 to 50,000
						6	County of 10,000 to 25,000
						9	County less than 10,000
80-81	2	T,G	MBCNTRY	<b>Mother's Birth Country</b>		AA-ZZ	See Geographic Documentation
85-86	2	G	MRCNTRY	<b>Mother's Residence Country</b>		AA-ZZ	See Geographic Documentation
89-90	2	T,G	MRSTATEPSTL	<b>Mother's Residence Postal State</b> <u>U.S. Territories</u>  <u>Foreign</u>		GU	Guam, PR Puerto Rico, VI Virgin Islands  CC Canada, CU Cuba, MX Mexico, XX Not Applicable, ZZ Not Classifiable
91-93	3	T,G	MRCNTYFIPS	<b>Mother's FIPS County</b>		000-998 999	See Geographic Tables Foreign
99	1	T,G	RCNTY_POP	<b>Population of Residence County</b>		0 1 2 3 4 5 6 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 of 50,000 to 100,000 County of 25,000 to 50,000 County of 10,000 to 25,000 County less than 10,000 Foreign resident
100	1	G	RCITY_POP	<b>Population of Residence City</b>		0 1 2 3 4 5 6 9 Z	City of 1,000,000 or more City of 500,000 to 1,000,000 City of 250,000 to 500,000 City of 100,000 to 250,000 City of 50,000 to 100,000 City of 25,000 to 50,000 City of 10,000 to 25,000 All other areas in the US Foreign resident
103	1	T,G	RECTYPE	<b>Record Type</b>		1 2	RESIDENT: State and county of occurrence and residence are the same. NONRESIDENT: State and county of occurrence and residence are different.
1635	1		D_RESTATUS	<b>Death Resident Status</b>  Puerto Rico Occurrence		1	RESIDENTS Territory and County-equivalent of

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						2	Occurrence and Residence are the same. INTRASTATE NONRESIDENTS
						3	Territory of Occurrence and Residence are the same, but County-equivalent is different. INTERTERRITORY NONRESIDENTS Territory of
						4	occurrence and residence are different, but both are a Territory. FOREIGN RESIDENTS
				Virgin Islands Occurrence		1	Occurred in Puerto Rico to a resident of any other place. RESIDENTS Territory and County-equivalent of
						2	Occurrence and Residence are the same. INTRASTATE NONRESIDENTS
						3	Territory of Occurrence and Residence are the same, but County-equivalent is different. INTERTERRITORY NONRESIDENTS
						4	Territory of occurrence and residence are different, but both are a Territory. FOREIGN RESIDENTS
				Guam Occurrence		1	Occurred in Virgin Islands to a resident of any other place. RESIDENTS Occurred in Guam to a resident of Guam or
						3	to a resident of the U.S. INTERTERRITORY NONRESIDENTS
						4	Territory of occurrence and residence are different, but both are a Territory. FOREIGN RESIDENTS
							Occurred in Guam to a resident of any place other than Guam or the U.S.
1636-1637	2	DOSTATE		<b>State of Occurrence (FIPS) of Death</b>		PR	Puerto Rico
						VI	Virgin Islands
						GU	Guam
1638-1640	3	DOCNTY		<b>County of Occurrence (FIPS) of Death</b>			
				Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each			
				State and identify each county. (Note: To uniquely identify a county, both the state and county codes must be used.) A			
				complete list of counties is shown in the Geographic Code Outline further back in this document.			
						001-nnn	Code range
1641-1643	3	FILLER048		<b>FILLER</b>		Blank	
1644-1645	2	DRSTATE		<b>State of Residence (FIPS)</b>		PR	Puerto Rico

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only



Position	Len	File*	Field	Description	Flag Position	Values	Definition
						VI GU	Virgin Islands Guam
				Puerto Rico Occurrence		PR AL-WY, VI,AS,GU, MP,ZZ	Puerto Rico Foreign residents: refer to U.S. for specific code structure.
				Virgin Islands Occurrence		VI AL-WY, PR,AS,GU, MP, ZZ	Virgin Islands Foreign residents: refer to U.S. for specific code structure.
				Guam Occurrence		GU AL-WY	Guam U.S. resident. Also considered a resident of Guam.
						PR,AS, VI,MP, ZZ	Foreign residents: refer to U.S. for specific code structure.
1646-1647	2	FILLER049		<b>FILLER</b>			Blank
1648-1649	2		DRSTCNTRY	<b>State/Country of Residence of Death Recode</b>			
				Territorial resident		PR VI GU	Puerto Rico Virgin Islands Guam
				Foreign residents		CC MX CU YY	Canada Mexico Cuba Remainder of the world
				Puerto Rico Occurrence		PR AL-ZZ	Puerto Rico Foreign residents: refer to U.S. for specific code structure.
				Virgin Islands Occurrence		VI AL-ZZ	Virgin Islands Foreign residents: refer to U.S. for specific code structure.
				Guam Occurrence		GU AL-WY	Guam U.S. resident. Also considered a resident of Guam
						PR,VI,AS, MP,ZZ	Foreign residents: refer to U.S. for specific code structure.
1650-1652	3		DRCNTY	<b>County of Residence (FIPS) of Death</b> (To uniquely identify a county, both the state and county codes must be used.)			
						000 001-nnn	Foreign residents Code range

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only

Position	Len	File*	Field	Description	Flag Position	Values	Definition
1653-1665	13	FILLER69		<b>FILLER</b>		Blank	
1666	1	DRCNTYPOP		<b>Population Size of County of Residence of Death</b> Based on the results of the 2010 Census		0 1 2 3 4 5 6 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 of 50,000 to 100,000 County of 25,000 to 50,000 County of 10,000 to 25,000 County of less than 10,000 Foreign residents

Note: Flag definitions: 0 – not reported in either year, 1 – reported in both years, 2 – reported in previous year only, 3 – reported in current year only









Documentation Table 1. Live births and infant deaths by state of occurrence of birth and by state of residence at birth  
 United States, Puerto Rico, Virgin Islands, and Guam, 2014 Period Data.  
 (Residence of birth is of the mother)

State	Live births		Infant deaths			
	Occurrence	Residence	Unweighted Occurrence	Unweighted Residence	Weighted 1/ Occurrence	Weighted 1/ Residence
United States /2	3998175	3988076	23085	23052	23246	23211
Alabama	57798	59422	499	514	500	515
Alaska	11246	11392	73	76	73	76
Arizona	88028	86887	522	528	524	530
Arkansas	37788	38511	282	286	284	288
California	503889	502879	2138	2136	2175	2173
Colorado	66379	65830	348	315	348	315
Connecticut	37649	36285	177	174	178	175
Delaware	11486	10972	83	74	83	74
Dist of Columbia	14500	9509	109	71	109	71
Florida	220148	219991	1352	1341	1355	1344
Georgia	132078	130946	1002	982	1005	985
Hawaii	18573	18550	83	83	83	83
Idaho	22489	22876	111	122	111	122
Illinois	154806	158556	989	1042	989	1043
Indiana	84876	84080	590	592	593	595
Iowa	39466	39687	172	189	172	189
Kansas	40145	39223	225	242	226	243
Kentucky	53796	56170	362	395	367	400
Louisiana	64518	64497	485	484	486	485
Maine	12533	12698	86	84	86	84
Maryland	70916	73921	451	479	452	480
Massachusetts	72510	71908	313	308	316	311
Michigan	113436	114375	734	739	734	739
Minnesota	69166	69904	363	350	363	350
Mississippi	37955	38736	300	317	300	317
Missouri	76725	75360	516	457	521	461
Montana	12397	12432	69	72	69	72
Nebraska	27113	26794	146	135	147	136
Nevada	35509	35861	195	198	195	198
New Hampshire	12313	12302	53	54	53	54
New Jersey	101282	103305	426	447	433	454
New Mexico	24990	26052	119	136	119	136
New York	117350	121166	583	629	587	633
New York City	122085	117607	501	469	501	469
North Carolina	122542	120975	872	863	873	864
North Dakota	12839	11359	60	58	60	58
Ohio	140514	139467	971	950	980	959
Oklahoma	51926	53339	430	437	431	438
Oregon	46098	45556	234	232	234	232
Pennsylvania	141394	142268	852	830	860	838
Rhode Island	11358	10823	57	48	57	48
South Carolina	54503	57627	345	370	346	371
South Dakota	12956	12283	72	70	72	70
Tennessee	87174	81602	607	559	609	561
Texas	408213	399766	2333	2303	2368	2337
Utah	52162	51154	268	251	268	251
Vermont	5846	6130	28	28	28	28
Virginia	101867	103300	560	562	583	584
Washington	88420	88585	404	396	405	397
West Virginia	20548	20301	139	140	139	141
Wisconsin	66884	67161	370	384	370	384
Wyoming	6993	7696	26	49	26	49
Foreign Residents	-	10099	-	35	-	35
Puerto Rico	34507	34434	243	240	242	239
Virgin Islands	-	-	-	2	-	2
Guam	3398	3392	28	28	28	28

1/ Figures are based on weighted data rounded to the nearest infant, so categories may not add to totals

2/ Excludes data for Puerto Rico, Virgin Islands and Guam.

Documentation Table 2. Live births, infant deaths and infant mortality rates by race of mother, sex and birthweight of child: United States, 2014 Period Data.

[Infant death are weighted. Rates are per 1000 live births]

Race of mother and sex	Total	<500 grams	500-749 grams	750-999 grams	1000-1249 grams	1250-1499 grams	1500-1999 grams	2000-2499 grams	2500 grams or more	Not Stated
All races										
Both sexes										
Live births.....	3,988,076	6,688	9,962	11,002	13,249	16,128	62,103	201,041	3,667,202	701
Infant deaths.....	23,211	5,684	3,867	1,378	824	628	1,416	1,957	7,338	119
Infant mortality rate....	5.82	849.88	388.18	125.25	62.19	38.94	22.80	9.73	2.00	169.76
Male										
Live births.....	2,040,701	3,420	4,985	5,648	6,740	8,099	30,077	91,805	1,889,535	392
Infant deaths.....	12,889	3,001	2,226	836	458	324	744	994	4,217	88
Infant mortality rate....	6.32	877.49	446.54	148.02	67.95	40.00	24.74	10.83	2.23	224.49
Female										
Live births.....	1,947,375	3,268	4,977	5,354	6,509	8,029	32,026	109,236	1,777,667	309
Infant deaths.....	10,322	2,683	1,640	543	365	304	672	963	3,121	30
Infant mortality rate....	5.30	820.99	329.52	101.42	56.08	37.86	20.98	8.82	1.76	97.09
White										
Both sexes										
Live births.....	3,019,863	3,609	5,724	6,693	8,400	10,447	41,680	134,752	2,808,013	545
Infant deaths.....	14,927	3,109	2,328	892	555	442	1,003	1,358	5,181	59
Infant mortality rate....	4.94	861.46	406.71	133.27	66.07	42.31	24.06	10.08	1.85	108.26
Male										
Live births.....	1,547,425	1,829	2,925	3,459	4,286	5,257	20,362	61,823	1,447,184	300
Infant deaths.....	8,337	1,612	1,368	551	323	223	526	694	3,002	40
Infant mortality rate....	5.39	881.36	467.69	159.29	75.36	42.42	25.83	11.23	2.07	133.33
Female										
Live births.....	1,472,438	1,780	2,799	3,234	4,114	5,190	21,318	72,929	1,360,829	245
Infant deaths.....	6,590	1,498	960	341	232	220	477	664	2,179	19
Infant mortality rate....	4.48	841.57	342.98	105.44	56.39	42.39	22.38	9.10	1.60	*
Black										
Both sexes										
Live births.....	640,562	2,678	3,660	3,617	3,902	4,416	15,657	48,674	557,848	110
Infant deaths.....	6,853	2,226	1,325	404	211	148	336	475	1,681	47
Infant mortality rate....	10.70	831.22	362.02	111.69	54.07	33.51	21.46	9.76	3.01	427.27
Male										
Live births.....	324,821	1,391	1,752	1,818	1,957	2,185	7,373	21,738	286,539	68
Infant deaths.....	3,752	1,213	738	234	106	79	178	241	925	38
Infant mortality rate....	11.55	872.03	421.23	128.71	54.16	36.16	24.14	11.09	3.23	558.82
Female										
Live births.....	315,741	1,287	1,908	1,799	1,945	2,231	8,284	26,936	271,309	42
Infant deaths.....	3,101	1,013	588	169	106	68	158	234	756	9
Infant mortality rate....	9.82	787.10	308.18	93.94	54.50	30.48	19.07	8.69	2.79	*



Documentation Table 2. Live births, infant deaths and infant mortality rates by race of mother, sex and birthweight of child: United States, 2014 Period Data.

[Infant death are weighted. Rates are per 1000 live births]

Race of mother and sex	Total	<500 grams	500-749 grams	750-999 grams	1000-1249 grams	1250-1499 grams	1500-1999 grams	2000-2499 grams	2500 grams or more	Not Stated
American Indian /1										
Both sexes										
Live births.....	44,928	50	98	116	139	174	700	2,165	41,479	7
Infant deaths.....	341	44	44	18	12	6	25	26	161	4
Infant mortality rate....	7.59	880.00	448.98	*	*	*	35.71	12.01	3.88	*
Male										
Live births.....	22,808	23	47	60	76	88	353	990	21,167	4
Infant deaths.....	195	21	25	14	7	5	11	13	96	2
Infant mortality rate....	8.55	913.04	531.91	*	*	*	*	*	4.54	*
Female										
Live births.....	22,120	27	51	56	63	86	347	1,175	20,312	3
Infant deaths.....	146	23	19	4	5	1	14	13	65	2
Infant mortality rate....	6.60	851.85	*	*	*	*	*	*	3.20	*
Asian or Pacific Islander										
Both sexes										
Live births.....	282,723	351	480	576	808	1,091	4,066	15,450	259,862	39
Infant deaths.....	1,090	304	170	65	46	32	52	98	315	8
Infant mortality rate....	3.86	866.10	354.17	112.85	56.93	29.33	12.79	6.34	1.21	*
Male										
Live births.....	145,647	177	261	311	421	569	1,989	7,254	134,645	20
Infant deaths.....	605	155	96	36	23	17	29	47	194	8
Infant mortality rate....	4.15	875.71	367.82	115.76	54.63	*	14.58	6.48	1.44	*
Female										
Live births.....	137,076	174	219	265	387	522	2,077	8,196	125,217	19
Infant deaths.....	484	150	74	28	22	15	23	51	121	0
Infant mortality rate....	3.53	862.07	337.90	105.66	56.85	*	11.07	6.22	0.97	*

\* Figure does not meet standard of reliability or precision; based on fewer than 20 deaths in the numerator

- Quantity zero

/1 Includes Aleut and Eskimos

Documentation Table 4

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and age at death: United states, 2014 period data

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 1000 live births]

Birthweight and race of mother	Live		Total	Early	Late	Post-
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
All races						
Total (all birthweights).....	3,988,076	23,211	15,737	12,772	2,965	7,474
Rate.....		5.82	3.95	3.20	0.74	1.87
Less than 2,500 grams.....	320,173	15,754	13,026	11,079	1,946	2,728
Rate.....		49.20	40.68	34.60	6.08	8.52
Less than 500 grams.....	6,688	5,684	5,561	5,399	162	122
Rate.....		849.88	831.49	807.27	24.22	18.24
500-749 grams.....	9,962	3,867	3,343	2,670	673	524
Rate.....		388.18	335.58	268.02	67.56	52.60
750-999 grams.....	11,002	1,378	1,063	737	326	315
Rate.....		125.25	96.62	66.99	29.63	28.63
1,000-1,249 grams.....	13,249	824	620	443	177	204
Rate.....		62.19	46.80	33.44	13.36	15.40
1,250-1,499 grams.....	16,128	628	468	367	100	161
Rate.....		38.94	29.02	22.76	6.20	9.98
1,500-1,999 grams.....	62,103	1,416	917	714	203	499
Rate.....		22.80	14.77	11.50	3.27	8.04
2,000-2,499 grams.....	201,041	1,957	1,054	748	306	903
Rate.....		9.73	5.24	3.72	1.52	4.49
2,500-2,999 grams.....	728,299	2,684	1,073	660	413	1,611
Rate.....		3.69	1.47	0.91	0.57	2.21
3,000-3,499 grams.....	1,546,756	2,803	893	534	359	1,910
Rate.....		1.81	0.58	0.35	0.23	1.23
3,500-3,999 grams.....	1,071,342	1,402	433	252	182	969
Rate.....		1.31	0.40	0.24	0.17	0.90
4,000-4,499 grams.....	276,692	357	141	90	51	216
Rate.....		1.29	0.51	0.33	0.18	0.78
4,500-4,999 grams.....	39,364	70	40	30	10	30
Rate.....		1.78	1.02	0.76	*	0.76
5,000 grams or more.....	4,749	22	15	12	3	7
Rate.....		4.63	*	*	*	*
Not stated.....	701	119	116	115	1	3
Rate.....		169.76	165.48	164.05	*	*

See footnotes at end of table.

Documentation Table 4

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and age at death: United states, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 1000 live births]

Birthweight and race of mother	Live		Total	Early	Late	Post-
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
White						
Total (all birthweights).....	3,019,863	14,927	10,094	8,156	1,938	4,832
Rate.....		4.94	3.34	2.70	0.64	1.60
Less than 2,500 grams.....	211,305	9,687	8,079	6,873	1,205	1,608
Rate.....		45.84	38.23	32.53	5.70	7.61
Less than 500 grams.....	3,609	3,109	3,046	2,965	81	63
Rate.....		861.46	844.00	821.56	22.44	17.46
500-749 grams.....	5,724	2,328	2,074	1,695	379	254
Rate.....		406.71	362.33	296.12	66.21	44.37
750-999 grams.....	6,693	892	719	518	201	174
Rate.....		133.27	107.43	77.39	30.03	26.00
1,000-1,249 grams.....	8,400	555	424	303	121	130
Rate.....		66.07	50.48	36.07	14.40	15.48
1,250-1,499 grams.....	10,447	442	337	262	75	105
Rate.....		42.31	32.26	25.08	7.18	10.05
1,500-1,999 grams.....	41,680	1,003	673	546	127	329
Rate.....		24.06	16.15	13.10	3.05	7.89
2,000-2,499 grams.....	134,752	1,358	806	585	221	552
Rate.....		10.08	5.98	4.34	1.64	4.10
2,500-2,999 grams.....	499,047	1,790	768	494	275	1,022
Rate.....		3.59	1.54	0.99	0.55	2.05
3,000-3,499 grams.....	1,162,883	2,009	690	427	264	1,318
Rate.....		1.73	0.59	0.37	0.23	1.13
3,500-3,999 grams.....	873,435	1,036	347	200	146	690
Rate.....		1.19	0.40	0.23	0.17	0.79
4,000-4,499 grams.....	235,113	278	110	72	38	169
Rate.....		1.18	0.47	0.31	0.16	0.72
4,500-4,999 grams.....	33,617	49	30	23	7	19
Rate.....		1.46	0.89	0.68	*	*
5,000 grams or more.....	3,918	18	13	11	2	5
Rate.....		*	*	*	*	*
Not stated.....	545	59	57	56	1	2
Rate.....		108.26	104.59	102.75	*	*

See footnotes at end of table.

Documentation Table 4

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and age at death: United states, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 1000 live births]

Birthweight and race of mother	Live		Total	Early	Late	Post-
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
<b>Black</b>						
Total (all birthweights).....	640,562	6,853	4,662	3,821	841	2,191
Rate.....		10.70	7.28	5.97	1.31	3.42
Less than 2,500 grams.....	82,604	5,125	4,149	3,528	621	976
Rate.....		62.04	50.23	42.71	7.52	11.82
Less than 500 grams.....	2,678	2,226	2,170	2,098	71	56
Rate.....		831.22	810.31	783.42	26.51	20.91
500-749 grams.....	3,660	1,325	1,083	825	259	242
Rate.....		362.02	295.90	225.41	70.77	66.12
750-999 grams.....	3,617	404	283	176	107	121
Rate.....		111.69	78.24	48.66	29.58	33.45
1,000-1,249 grams.....	3,902	211	152	107	45	59
Rate.....		54.07	38.95	27.42	11.53	15.12
1,250-1,499 grams.....	4,416	148	103	81	22	45
Rate.....		33.51	23.32	18.34	4.98	10.19
1,500-1,999 grams.....	15,657	336	189	131	58	147
Rate.....		21.46	12.07	8.37	3.70	9.39
2,000-2,499 grams.....	48,674	475	169	111	58	306
Rate.....		9.76	3.47	2.28	1.19	6.29
2,500-2,999 grams.....	156,118	713	234	122	112	479
Rate.....		4.57	1.50	0.78	0.72	3.07
3,000-3,499 grams.....	248,046	624	145	72	73	479
Rate.....		2.52	0.58	0.29	0.29	1.93
3,500-3,999 grams.....	123,896	271	55	33	22	216
Rate.....		2.19	0.44	0.27	0.18	1.74
4,000-4,499 grams.....	25,627	58	23	13	10	35
Rate.....		2.26	0.90	*	*	1.37
4,500-4,999 grams.....	3,635	13	7	5	2	6
Rate.....		*	*	*	*	*
5,000 grams or more.....	526	2	2	1	1	-
Rate.....		*	*	*	*	-
Not stated.....	110	47	46	46	-	1
Rate.....		427.27	418.18	418.18	-	*

See footnotes at end of table.

Documentation Table 4

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and age at death: United states, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 1000 live births]

Birthweight and race of mother	Live		Total	Early	Late	Post-
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
American Indian <sup>1</sup>						
Total (all birthweights).....	44,928	341	184	137	46	157
Rate.....		7.59	4.10	3.05	1.02	3.49
Less than 2,500 grams.....	3,442	176	141	111	30	34
Rate.....		51.13	40.96	32.25	8.72	9.88
Less than 500 grams.....	50	44	44	43	1	-
Rate.....		880.00	880.00	860.00	*	-
500-749 grams.....	98	44	38	31	7	6
Rate.....		448.98	387.76	316.33	*	*
750-999 grams.....	116	18	15	11	4	3
Rate.....		*	*	*	*	*
1,000-1,249 grams.....	139	12	7	3	4	5
Rate.....		*	*	*	*	*
1,250-1,499 grams.....	174	6	5	4	1	1
Rate.....		*	*	*	*	*
1,500-1,999 grams.....	700	25	18	12	6	7
Rate.....		35.71	*	*	*	*
2,000-2,499 grams.....	2,165	26	14	7	7	12
Rate.....		12.01	*	*	*	*
2,500-2,999 grams.....	7,548	48	14	10	4	34
Rate.....		6.36	*	*	*	4.50
3,000-3,499 grams.....	16,660	51	9	5	4	42
Rate.....		3.06	*	*	*	2.52
3,500-3,999 grams.....	12,719	45	9	3	6	36
Rate.....		3.54	*	*	*	2.83
4,000-4,499 grams.....	3,835	9	3	2	1	6
Rate.....		*	*	*	*	*
4,500-4,999 grams.....	606	6	3	2	1	3
Rate.....		*	*	*	*	*
5,000 grams or more.....	111	2	-	-	-	2
Rate.....		*	-	-	-	*
Not stated.....	7	4	4	4	-	-
Rate.....		*	*	*	-	-

See footnotes at end of table.

Documentation Table 4

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and age at death: United states, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 1000 live births]

Birthweight and race of mother	Live		Total	Early	Late	Post-
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
Asian or Pacific Islander						
Total (all birthweights).....	282,723	1,090	797	657	139	293
Rate.....		3.86	2.82	2.32	0.49	1.04
Less than 2,500 grams.....	22,822	767	656	566	90	110
Rate.....		33.61	28.74	24.80	3.94	4.82
Less than 500 grams.....	351	304	301	292	9	3
Rate.....		866.10	857.55	831.91	*	*
500-749 grams.....	480	170	148	120	28	22
Rate.....		354.17	308.33	250.00	58.33	45.83
750-999 grams.....	576	65	47	32	14	18
Rate.....		112.85	81.60	55.56	*	*
1,000-1,249 grams.....	808	46	36	30	6	9
Rate.....		56.93	44.55	37.13	*	*
1,250-1,499 grams.....	1,091	32	23	21	2	9
Rate.....		29.33	21.08	19.25	*	*
1,500-1,999 grams.....	4,066	52	36	25	11	16
Rate.....		12.79	8.85	6.15	*	*
2,000-2,499 grams.....	15,450	98	65	45	20	33
Rate.....		6.34	4.21	2.91	1.29	2.14
2,500-2,999 grams.....	65,586	133	57	35	22	76
Rate.....		2.03	0.87	0.53	0.34	1.16
3,000-3,499 grams.....	119,167	120	48	30	18	71
Rate.....		1.01	0.40	0.25	*	0.60
3,500-3,999 grams.....	61,292	49	22	15	7	27
Rate.....		0.80	0.36	*	*	0.44
4,000-4,499 grams.....	12,117	11	5	3	2	6
Rate.....		*	*	*	*	*
4,500-4,999 grams.....	1,506	2	-	-	-	2
Rate.....		*	-	-	-	*
5,000 grams or more.....	194	-	-	-	-	-
Rate.....		-	-	-	-	-
Not stated.....	39	8	8	8	-	-
Rate.....		*	*	*	-	-

See footnotes at end of table.

\*/ Figure does not meet standard of reliability or precision; based on fewer than 20 death in the numerator

-/ Quantity zero

1/ Includes Aleuts and Eskimos

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of infant death: United States, 2014 period data

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births]

Cause of death, birthweight, and race of mother	Live	Total	Early	Late	Post-	
	Births	Infant	Neonatal	Neonatal	Neonatal	
All races						
All birthweights						
All Causes .....	3,988,076	23,211	15,737	12,772	2,965	7,474
		582.0	394.6	320.3	74.3	187.4
Congenital malformations (Q00-Q99).....	.	4,754	3,354	2,629	725	1,400
		119.2	84.1	65.9	18.2	35.1
Short gestation and low birthweight nec (P07).....	.	4,172	4,078	3,969	109	94
		104.6	102.3	99.5	2.7	2.4
Maternal complications of pregnancy (P01).....	.	1,580	1,572	1,557	15	8
		39.6	39.4	39.0	*	*
Sudden infant death syndrome (R95).....	.	1,541	141	24	117	1,400
		38.6	3.5	0.6	2.9	35.1
Accidents (unintentional injuries) (V01-X59).....	.	1,163	124	29	94	1,039
		29.2	3.1	0.7	2.4	26.1
Complications of placenta, cord, membranes (P02).....	.	961	951	916	34	10
		24.1	23.8	23.0	0.9	*
Bacterial sepsis of newborn (P36).....	.	547	530	230	300	17
		13.7	13.3	5.8	7.5	*
Respiratory distress of newborn (P22).....	.	462	452	337	114	10
		11.6	11.3	8.5	2.9	*
Diseases of the circulatory system (I00-I99).....	.	443	94	51	42	349
		11.1	2.4	1.3	1.1	8.8
Neonatal hemorrhage (P50-P52, P54).....	.	444	431	311	120	13
		11.1	10.8	7.8	3.0	*
All other causes.....	.	7,144	4,011	2,718	1,293	3,133
		179.1	100.6	68.2	32.4	78.6
Less than 2,500 grams						
All Causes .....	320,173	15,754	13,026	11,079	1,946	2,728
		4,920.5	4,068.4	3,460.3	607.8	852.0
Congenital malformations (Q00-Q99).....	.	2,910	2,281	1,908	373	629
		908.9	712.4	595.9	116.5	196.5
Short gestation and low birthweight nec (P07).....	.	4,088	3,995	3,886	109	92
		1,276.8	1,247.8	1,213.7	34.0	28.7

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of infant death: United States, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births]

Cause of death, birthweight, and race of mother	Live	Total	Early	Late	Post-	
	Births	Infant	Neonatal	Neonatal	Neonatal	
All races						
Maternal complications of pregnancy (P01).....	. 1,534 479.1	1,526 476.6	1,512 472.2	14 *	8 *	
Sudden infant death syndrome (R95).....	. 295 92.1	23 7.2	1 *	22 6.9	272 85.0	
Accidents (unintentional injuries) (V01-X59).....	. 238 74.3	25 7.8	9 *	16 *	213 66.5	
Complications of placenta, cord, membranes (P02).....	. 879 274.5	870 271.7	844 263.6	26 8.1	9 *	
Bacterial sepsis of newborn (P36).....	. 469 146.5	454 141.8	184 57.5	271 84.6	15 *	
Respiratory distress of newborn (P22).....	. 454 141.8	445 139.0	332 103.7	112 35.0	9 *	
Diseases of the circulatory system (I00-I99).....	. 220 68.7	50 15.6	33 10.3	17 *	170 53.1	
Neonatal hemorrhage (P50-P52, P54).....	. 396 123.7	384 119.9	279 87.1	104 32.5	12 *	
All other causes.....	. 4,272 1,334.3	2,973 928.6	2,091 653.1	881 275.2	1,299 405.7	
2,500 grams or more						
All Causes .....	3,667,202	7,338 200.1	2,595 70.8	1,578 43.0	1,018 27.8	4,743 129.3
Congenital malformations (Q00-Q99).....	. 1,840 50.2	1,070 29.2	718 19.6	352 9.6	770 21.0	
Short gestation and low birthweight nec (P07).....	. 17 *	15 *	15 *	- -	2 *	
Maternal complications of pregnancy (P01).....	. 29 0.8	29 0.8	28 0.8	1 *	- -	
Sudden infant death syndrome (R95).....	. 1,245 33.9	118 3.2	23 0.6	95 2.6	1,127 30.7	
Accidents (unintentional injuries) (V01-X59).....	. 924 25.2	98 2.7	20 0.5	78 2.1	826 22.5	
Complications of placenta, cord, membranes (P02).....	. 72 2.0	71 1.9	63 1.7	8 *	1 *	

See footnotes at end of table.



Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of infant death: United States, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births]

Cause of death, birthweight, and race of mother	Live		Total	Early	Late	Post-
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
All races						
Bacterial sepsis of newborn (P36).....	.	77 2.1	75 2.0	46 1.3	29 0.8	2 *
Respiratory distress of newborn (P22).....	.	8 *	7 *	5 *	2 *	1 *
Diseases of the circulatory system (I00-I99).....	.	223 6.1	43 1.2	18 *	25 0.7	180 4.9
Neonatal hemorrhage (P50-P52, P54).....	.	47 1.3	46 1.3	30 0.8	16 *	1 *
All other causes.....	.	2,855 77.9	1,021 27.8	610 16.6	411 11.2	1,834 50.0
Not stated birthweight						
All Causes .....	701	119 16,975.7	116 16,547.8	115 16,405.1	1 *	3 *
Congenital malformations (Q00-Q99).....	.	4 *	3 *	3 *	- -	1 *
Short gestation and low birthweight nec (P07).....	.	67 9,557.8	67 9,557.8	67 9,557.8	- -	- -
Maternal complications of pregnancy (P01).....	.	17 *	17 *	17 *	- -	- -
Sudden infant death syndrome (R95).....	.	1 *	- -	- -	- -	1 *
Accidents (unintentional injuries) (V01-X59).....	.	1 *	- -	- -	- -	1 *
Complications of placenta, cord, membranes (P02).....	.	10 *	10 *	10 *	- -	- -
Bacterial sepsis of newborn (P36).....	.	- -	- -	- -	- -	- -
Respiratory distress of newborn (P22).....	.	- -	- -	- -	- -	- -
Diseases of the circulatory system (I00-I99).....	.	- -	- -	- -	- -	- -
Neonatal hemorrhage (P50-P52, P54).....	.	1 *	1 *	1 *	- -	- -

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of infant death: United States, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births]

Cause of death, birthweight, and race of mother	Live	Total	Early	Late	Post-	
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
All races						
All other causes.....	.	17 *	17 *	16 *	1 *	- -
White						
All birthweights						
All Causes .....	3,019,863	14,927 494.3	10,094 334.3	8,156 270.1	1,938 64.2	4,832 160.0
Congenital malformations (Q00-Q99).....	.	3,541 117.3	2,571 85.1	2,045 67.7	525 17.4	971 32.2
Short gestation and low birthweight nec (P07).....	.	2,315 76.7	2,259 74.8	2,207 73.1	52 1.7	56 1.9
Maternal complications of pregnancy (P01).....	.	915 30.3	912 30.2	902 29.9	10 *	3 *
Sudden infant death syndrome (R95).....	.	1,042 34.5	97 3.2	18 *	79 2.6	945 31.3
Accidents (unintentional injures) (V01-X59).....	.	746 24.7	90 3.0	22 0.7	68 2.3	655 21.7
Complications of placenta, cord, membranes (P02).....	.	585 19.4	578 19.1	562 18.6	16 *	7 *
Bacterial sepsis of newborn (P36).....	.	346 11.5	335 11.1	146 4.8	188 6.2	11 *
Respiratory distress of newborn (P22).....	.	280 9.3	275 9.1	205 6.8	70 2.3	5 *
Diseases of the circulatory system (I00-I99).....	.	264 8.7	62 2.1	36 1.2	25 0.8	203 6.7
Neonatal hemorrhage (P50-P52, P54).....	.	304 10.1	296 9.8	227 7.5	69 2.3	8 *
All other causes.....	.	4,588 151.9	2,619 86.7	1,785 59.1	834 27.6	1,969 65.2
Less than 2,500 grams						
All Causes .....	211,305	9,687 4,584.4	8,079 3,823.4	6,873 3,252.6	1,205 570.3	1,608 761.0

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of infant death: United States, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births]

Cause of death, birthweight, and race of mother	Live	Total	Early	Late	Post-	
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
<b>White</b>						
Congenital malformations (Q00-Q99).....	. 2,149 1,017.0	1,721 814.5	1,457 689.5	264 124.9	428 202.6	
Short gestation and low birthweight nec (P07).....	. 2,272 1,075.2	2,218 1,049.7	2,166 1,025.1	52 24.6	54 25.6	
Maternal complications of pregnancy (P01).....	. 887 419.8	884 418.4	875 414.1	9 *	3 *	
Sudden infant death syndrome (R95).....	. 181 85.7	16 *	- -	16 *	165 78.1	
Accidents (unintentional injuries) (V01-X59).....	. 117 55.4	14 *	5 *	9 *	103 48.7	
Complications of placenta, cord, membranes (P02).....	. 526 248.9	520 246.1	510 241.4	10 *	6 *	
Bacterial sepsis of newborn (P36).....	. 294 139.1	285 134.9	120 56.8	164 77.6	9 *	
Respiratory distress of newborn (P22).....	. 275 130.1	270 127.8	202 95.6	68 32.2	5 *	
Diseases of the circulatory system (I00-I99).....	. 136 64.4	36 17.0	24 11.4	12 *	99 46.9	
Neonatal hemorrhage (P50-P52, P54).....	. 269 127.3	262 124.0	202 95.6	60 28.4	7 *	
All other causes.....	. 2,582 1,221.9	1,853 876.9	1,313 621.4	541 256.0	729 345.0	
<b>2,500 grams or more</b>						
All Causes .....	2,808,013	5,181 184.5	1,958 69.7	1,226 43.7	732 26.1	3,222 114.7
Congenital malformations (Q00-Q99).....	. 1,389 49.5	847 30.2	585 20.8	262 9.3	543 19.3	
Short gestation and low birthweight nec (P07).....	. 11 *	9 *	9 *	- -	2 *	
Maternal complications of pregnancy (P01).....	. 21 0.7	21 0.7	20 0.7	1 *	- -	
Sudden infant death syndrome (R95).....	. 860 30.6	81 2.9	18 *	63 2.2	779 27.7	

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of infant death: United States, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births]

Cause of death, birthweight, and race of mother	Live	Total	Early	Late	Post-	
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
<b>White</b>						
Accidents (unintentional injures) (V01-X59).....	.	627 22.3	76 2.7	17 *	59 2.1	551 19.6
Complications of placenta, cord, membranes (P02).....	.	56 2.0	55 2.0	49 1.7	6 *	1 *
Bacterial sepsis of newborn (P36).....	.	52 1.9	50 1.8	26 0.9	24 0.9	2 *
Respiratory distress of newborn (P22).....	.	5 *	5 *	3 *	2 *	- -
Diseases of the circulatory system (I00-I99).....	.	129 4.6	25 0.9	12 *	13 *	103 3.7
Neonatal hemorrhage (P50-P52, P54).....	.	34 1.2	33 1.2	24 0.9	9 *	1 *
All other causes.....	.	1,994 71.0	754 26.9	462 16.5	293 10.4	1,240 44.2
<b>Not stated birthweight</b>						
All Causes .....	545	59 10,825.7	57 10,458.7	56 10,275.2	1 *	2 *
Congenital malformations (Q00-Q99).....	.	3 *	3 *	3 *	- -	- -
Short gestation and low birthweight nec (P07).....	.	32 5,871.6	32 5,871.6	32 5,871.6	- -	- -
Maternal complications of pregnancy (P01).....	.	7 *	7 *	7 *	- -	- -
Sudden infant death syndrome (R95).....	.	1 *	- -	- -	- -	1 *
Accidents (unintentional injures) (V01-X59).....	.	1 *	- -	- -	- -	1 *
Complications of placenta, cord, membranes (P02).....	.	3 *	3 *	3 *	- -	- -
Bacterial sepsis of newborn (P36).....	.	- -	- -	- -	- -	- -
Respiratory distress of newborn (P22).....	.	- -	- -	- -	- -	- -

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of infant death: United States, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births]

Cause of death, birthweight, and race of mother	Live	Total	Early	Late	Post-	
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
<b>White</b>						
Diseases of the circulatory system (I00-I99).....	.	-	-	-	-	-
Neonatal hemorrhage (P50-P52, P54).....	.	1	1	1	-	-
All other causes.....	.	11	11	10	1	-
		*	*	*	*	-
<b>Black</b>						
<b>All birthweights</b>						
All Causes .....	640,562	6,853	4,662	3,821	841	2,191
		1,069.8	727.8	596.5	131.3	342.0
Congenital malformations (Q00-Q99).....	.	911	587	435	151	324
		142.2	91.6	67.9	23.6	50.6
Short gestation and low birthweight nec (P07).....	.	1,611	1,578	1,531	47	33
		251.5	246.3	239.0	7.3	5.2
Maternal complications of pregnancy (P01).....	.	559	556	553	3	3
		87.3	86.8	86.3	*	*
Sudden infant death syndrome (R95).....	.	416	35	5	30	381
		64.9	5.5	*	4.7	59.5
Accidents (unintentional injuries) (V01-X59).....	.	371	31	6	25	340
		57.9	4.8	*	3.9	53.1
Complications of placenta, cord, membranes (P02).....	.	311	309	295	14	2
		48.6	48.2	46.1	*	*
Bacterial sepsis of newborn (P36).....	.	164	159	62	96	5
		25.6	24.8	9.7	15.0	*
Respiratory distress of newborn (P22).....	.	158	153	115	38	5
		24.7	23.9	18.0	5.9	*
Diseases of the circulatory system (I00-I99).....	.	140	25	14	11	114
		21.9	3.9	*	*	17.8
Neonatal hemorrhage (P50-P52, P54).....	.	114	109	70	39	5
		17.8	17.0	10.9	6.1	*
All other causes.....	.	2,100	1,121	735	386	979
		327.8	175.0	114.7	60.3	152.8

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of infant death: United States, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births]

Cause of death, birthweight, and race of mother	Live	Total	Early	Late	Post-	
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
<b>Black</b>						
<b>Less than 2,500 grams</b>						
All Causes .....	82,604	5,125 6,204.3	4,149 5,022.8	3,528 4,271.0	621 751.8	976 1,181.5
Congenital malformations (Q00-Q99).....	.	576 697.3	418 506.0	335 405.5	83 100.5	158 191.3
Short gestation and low birthweight nec (P07).....	.	1,575 1,906.7	1,542 1,866.7	1,494 1,808.6	47 56.9	33 39.9
Maternal complications of pregnancy (P01).....	.	543 657.4	540 653.7	537 650.1	3 *	3 *
Sudden infant death syndrome (R95).....	.	107 129.5	5 *	- -	5 *	102 123.5
Accidents (unintentional injuries) (V01-X59).....	.	115 139.2	10 *	3 *	7 *	105 127.1
Complications of placenta, cord, membranes (P02).....	.	294 355.9	292 353.5	279 337.8	12 *	2 *
Bacterial sepsis of newborn (P36).....	.	150 181.6	145 175.5	52 63.0	92 111.4	5 *
Respiratory distress of newborn (P22).....	.	156 188.9	152 184.0	114 138.0	38 46.0	4 *
Diseases of the circulatory system (I00-I99).....	.	70 84.7	12 *	9 *	3 *	58 70.2
Neonatal hemorrhage (P50-P52, P54).....	.	105 127.1	100 121.1	66 79.9	34 41.2	5 *
All other causes.....	.	1,435 1,737.2	935 1,131.9	639 773.6	296 358.3	500 605.3
<b>2,500 grams or more</b>						
All Causes .....	557,848	1,681 301.3	467 83.7	246 44.1	220 39.4	1,215 217.8
Congenital malformations (Q00-Q99).....	.	334 59.9	169 30.3	101 18.1	68 12.2	166 29.8
Short gestation and low birthweight nec (P07).....	.	6 *	6 *	6 *	- -	- -

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of infant death: United States, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births]

Cause of death, birthweight, and race of mother	Live	Total	Early	Late	Post-	
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
<b>Black</b>						
Maternal complications of pregnancy (P01).....	.	8 *	8 *	8 *	- -	- -
Sudden infant death syndrome (R95).....	.	308 55.2	30 5.4	5 *	25 4.5	278 49.8
Accidents (unintentional injuries) (V01-X59).....	.	256 45.9	21 3.8	3 *	18 *	235 42.1
Complications of placenta, cord, membranes (P02).....	.	11 *	11 *	9 *	2 *	- -
Bacterial sepsis of newborn (P36).....	.	14 *	14 *	10 *	4 *	- -
Respiratory distress of newborn (P22).....	.	2 *	1 *	1 *	- -	1 *
Diseases of the circulatory system (I00-I99).....	.	69 12.4	13 *	5 *	8 *	56 10.0
Neonatal hemorrhage (P50-P52, P54).....	.	9 *	9 *	4 *	5 *	- -
All other causes.....	.	663 118.8	184 33.0	94 16.9	90 16.1	479 85.9
<b>Not stated birthweight</b>						
All Causes .....	110	47 42,727.3	46 41,818.2	46 41,818.2	- -	1 *
Congenital malformations (Q00-Q99).....	.	1 *	- -	- -	- -	1 *
Short gestation and low birthweight nec (P07).....	.	30 27,272.7	30 27,272.7	30 27,272.7	- -	- -
Maternal complications of pregnancy (P01).....	.	8 *	8 *	8 *	- -	- -
Sudden infant death syndrome (R95).....	.	- -	- -	- -	- -	- -
Accidents (unintentional injuries) (V01-X59).....	.	- -	- -	- -	- -	- -
Complications of placenta, cord, membranes (P02).....	.	6 *	6 *	6 *	- -	- -

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of infant death: United States, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births]

Cause of death, birthweight, and race of mother	Live	Total	Early	Late	Post-	
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
<b>Black</b>						
Bacterial sepsis of newborn (P36).....	.	-	-	-	-	-
Respiratory distress of newborn (P22).....	.	-	-	-	-	-
Diseases of the circulatory system (I00-I99).....	.	-	-	-	-	-
Neonatal hemorrhage (P50-P52, P54).....	.	-	-	-	-	-
All other causes.....	.	2	2	2	-	-
		*	*	*	-	-
<b>American Indian<sup>1</sup></b>						
<b>All birthweights</b>						
All Causes .....	44,928	341	184	137	46	157
		759.0	409.5	304.9	102.4	349.4
Congenital malformations (Q00-Q99).....	.	68	41	35	6	27
		151.4	91.3	77.9	*	60.1
Short gestation and low birthweight nec (P07).....	.	45	44	39	5	1
		100.2	97.9	86.8	*	*
Maternal complications of pregnancy (P01).....	.	17	17	16	1	-
		*	*	*	*	-
Sudden infant death syndrome (R95).....	.	41	3	-	3	38
		91.3	*	-	*	84.6
Accidents (unintentional injures) (V01-X59).....	.	20	1	-	1	19
		44.5	*	-	*	*
Complications of placenta, cord, membranes (P02).....	.	12	12	10	2	-
		*	*	*	*	-
Bacterial sepsis of newborn (P36).....	.	5	4	3	1	1
		*	*	*	*	*
Respiratory distress of newborn (P22).....	.	6	6	4	2	-
		*	*	*	*	-
Diseases of the circulatory system (I00-I99).....	.	7	3	-	3	4
		*	*	-	*	*

See footnotes at end of table.



Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of infant death: United States, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births]

Cause of death, birthweight, and race of mother	Live	Total	Early	Late	Post-	
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
American Indian <sup>1</sup>						
Neonatal hemorrhage (P50-P52, P54).....	.	3 *	3 *	1 *	2 *	- -
All other causes.....	.	116 258.2	49 109.1	29 64.5	20 44.5	67 149.1
Less than 2,500 grams						
All Causes .....	3,442	176 5,113.3	141 4,096.5	111 3,224.9	30 871.6	34 987.8
Congenital malformations (Q00-Q99).....	.	40 1,162.1	29 842.5	25 726.3	4 *	11 *
Short gestation and low birthweight nec (P07).....	.	43 1,249.3	42 1,220.2	37 1,075.0	5 *	1 *
Maternal complications of pregnancy (P01).....	.	17 *	17 *	16 *	1 *	- -
Sudden infant death syndrome (R95).....	.	1 *	- -	- -	- -	1 *
Accidents (unintentional injuries) (V01-X59).....	.	2 *	- -	- -	- -	2 *
Complications of placenta, cord, membranes (P02).....	.	11 *	11 *	9 *	2 *	- -
Bacterial sepsis of newborn (P36).....	.	4 *	3 *	2 *	1 *	1 *
Respiratory distress of newborn (P22).....	.	5 *	5 *	3 *	2 *	- -
Diseases of the circulatory system (I00-I99).....	.	2 *	- -	- -	- -	2 *
Neonatal hemorrhage (P50-P52, P54).....	.	3 *	3 *	1 *	2 *	- -
All other causes.....	.	47 1,365.5	31 900.6	18 *	13 *	16 *
2,500 grams or more						
All Causes .....	41,479	161 388.1	38 91.6	22 53.0	16 *	123 296.5

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of infant death: United States, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births]

Cause of death, birthweight, and race of mother	Live	Total	Early	Late	Post-	
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
American Indian <sup>1</sup>						
Congenital malformations (Q00-Q99).....	.	28 67.5	12 *	10 *	2 *	16 *
Short gestation and low birthweight nec (P07).....	.	-	-	-	-	-
Maternal complications of pregnancy (P01).....	.	-	-	-	-	-
Sudden infant death syndrome (R95).....	.	40 96.4	3 *	-	3 *	37 89.2
Accidents (unintentional injures) (V01-X59).....	.	18 *	1 *	-	1 *	17 *
Complications of placenta, cord, membranes (P02).....	.	-	-	-	-	-
Bacterial sepsis of newborn (P36).....	.	1 *	1 *	1 *	-	-
Respiratory distress of newborn (P22).....	.	1 *	1 *	1 *	-	-
Diseases of the circulatory system (I00-I99).....	.	5 *	3 *	-	3 *	2 *
Neonatal hemorrhage (P50-P52, P54).....	.	-	-	-	-	-
All other causes.....	.	68 163.9	17 *	10 *	7 *	51 123.0
Not stated birthweight						
All Causes .....	7	4 *	4 *	4 *	-	-
Congenital malformations (Q00-Q99).....	.	-	-	-	-	-
Short gestation and low birthweight nec (P07).....	.	2 *	2 *	2 *	-	-
Maternal complications of pregnancy (P01).....	.	-	-	-	-	-
Sudden infant death syndrome (R95).....	.	-	-	-	-	-

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of infant death: United States, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births]

Cause of death, birthweight, and race of mother	Live		Total	Early	Late	Post-
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
American Indian <sup>1</sup>						
Accidents (unintentional injuries) (V01-X59).....	.	-	-	-	-	-
Complications of placenta, cord, membranes (P02).....	.	1	1	1	-	-
Bacterial sepsis of newborn (P36).....	.	-	-	-	-	-
Respiratory distress of newborn (P22).....	.	-	-	-	-	-
Diseases of the circulatory system (I00-I99).....	.	-	-	-	-	-
Neonatal hemorrhage (P50-P52, P54).....	.	-	-	-	-	-
All other causes.....	.	1	1	1	-	-
Asian or Pacific Islander						
All birthweights						
All Causes .....	282,723	1,090	797	657	139	293
		385.5	281.9	232.4	49.2	103.6
Congenital malformations (Q00-Q99).....	.	233	155	113	42	78
		82.4	54.8	40.0	14.9	27.6
Short gestation and low birthweight nec (P07).....	.	201	197	192	5	4
		71.1	69.7	67.9	*	*
Maternal complications of pregnancy (P01).....	.	89	87	86	1	2
		31.5	30.8	30.4	*	*
Sudden infant death syndrome (R95).....	.	42	6	1	5	36
		14.9	*	*	*	12.7
Accidents (unintentional injuries) (V01-X59).....	.	26	1	1	-	25
		9.2	*	*	-	8.8
Complications of placenta, cord, membranes (P02).....	.	53	52	50	2	1
		18.7	18.4	17.7	*	*
Bacterial sepsis of newborn (P36).....	.	32	32	18	14	-
		11.3	11.3	*	*	-

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of infant death: United States, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births]

Cause of death, birthweight, and race of mother	Live	Total	Early	Late	Post-	
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
Asian or Pacific Islander						
Respiratory distress of newborn (P22).....	.	17 *	17 *	13 *	4 *	- -
Diseases of the circulatory system (I00-I99).....	.	32 11.3	4 *	1 *	3 *	28 9.9
Neonatal hemorrhage (P50-P52, P54).....	.	23 8.1	23 8.1	13 *	10 *	- -
All other causes.....	.	341 120.6	223 78.9	169 59.8	53 18.7	118 41.7
Less than 2,500 grams						
All Causes .....	22,822	767 3,360.8	656 2,874.4	566 2,480.1	90 394.4	110 482.0
Congenital malformations (Q00-Q99).....	.	146 639.7	112 490.8	90 394.4	22 96.4	33 144.6
Short gestation and low birthweight nec (P07).....	.	198 867.6	194 850.1	189 828.1	5 *	4 *
Maternal complications of pregnancy (P01).....	.	87 381.2	85 372.4	84 368.1	1 *	2 *
Sudden infant death syndrome (R95).....	.	6 *	2 *	1 *	1 *	4 *
Accidents (unintentional injuries) (V01-X59).....	.	3 *	1 *	1 *	- -	2 *
Complications of placenta, cord, membranes (P02).....	.	48 210.3	47 205.9	45 197.2	2 *	1 *
Bacterial sepsis of newborn (P36).....	.	22 96.4	22 96.4	9 *	13 *	- -
Respiratory distress of newborn (P22).....	.	17 *	17 *	13 *	4 *	- -
Diseases of the circulatory system (I00-I99).....	.	12 *	2 *	- -	2 *	10 *
Neonatal hemorrhage (P50-P52, P54).....	.	19 *	19 *	11 *	8 *	- -
All other causes.....	.	208 911.4	154 674.8	122 534.6	32 140.2	54 236.6

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of infant death: United States, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births]

Cause of death, birthweight, and race of mother	Live	Total	Early	Late	Post-	
	Births	Infant	Neonatal	Neonatal	Neonatal	Neonatal
Asian or Pacific Islander						
2,500 grams or more						
All Causes .....	259,862	315 121.2	132 50.8	83 31.9	49 18.9	183 70.4
Congenital malformations (Q00-Q99).....	.	88 33.9	43 16.5	22 8.5	20 7.7	45 17.3
Short gestation and low birthweight nec (P07).....	.	- -	- -	- -	- -	- -
Maternal complications of pregnancy (P01).....	.	- -	- -	- -	- -	- -
Sudden infant death syndrome (R95).....	.	36 13.9	4 *	- -	4 *	32 12.3
Accidents (unintentional injuries) (V01-X59).....	.	23 8.9	- -	- -	- -	23 8.9
Complications of placenta, cord, membranes (P02).....	.	4 *	4 *	4 *	- -	- -
Bacterial sepsis of newborn (P36).....	.	10 *	10 *	9 *	1 *	- -
Respiratory distress of newborn (P22).....	.	- -	- -	- -	- -	- -
Diseases of the circulatory system (I00-I99).....	.	20 7.7	2 *	1 *	1 *	18 *
Neonatal hemorrhage (P50-P52, P54).....	.	4 *	4 *	2 *	2 *	- -
All other causes.....	.	130 50.0	66 25.4	45 17.3	21 8.1	64 24.6
Not stated birthweight						
All Causes .....	39	8 *	8 *	8 *	- -	- -
Congenital malformations (Q00-Q99).....	.	- -	- -	- -	- -	- -
Short gestation and low birthweight nec (P07).....	.	3 *	3 *	3 *	- -	- -

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of infant death: United States, 2014 period data -Cont

[Infant deaths are weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births]

Cause of death, birthweight, and race of mother	Live	Total	Early	Late	Post-	
	Births	Infant	Neonatal	Neonatal	Neonatal	
Asian or Pacific Islander						
Maternal complications of pregnancy (P01).....	.	2 *	2 *	2 *	- -	- -
Sudden infant death syndrome (R95).....	.	-	-	-	-	-
Accidents (unintentional injuries) (V01-X59).....	.	-	-	-	-	-
Complications of placenta, cord, membranes (P02).....	.	-	-	-	-	-
Bacterial sepsis of newborn (P36).....	.	-	-	-	-	-
Respiratory distress of newborn (P22).....	.	-	-	-	-	-
Diseases of the circulatory system (I00-I99).....	.	-	-	-	-	-
Neonatal hemorrhage (P50-P52, P54).....	.	-	-	-	-	-
All other causes.....	.	3 *	3 *	3 *	- -	- -

\*/Figure does not meet standard of reliability or precision; based on fewer than 20 death in the numerator.

-/ Quality zero.

1/ Includes Aleuts and Eskimos.

Documentation Table 6. Unlinked infant deaths by race, age at death, and state of residence: United States and each state, 2014

[Infant deaths are under 1 year. Neonatal death are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Data in this table is for infant deaths in 2014 that are not included in the linked file because they were not linked with their corresponding birth certificates. See methodology section. Residence is of infant decedent; race is from death certificate]

State and race of child 1/	Infant	Total neonatal	Early neonatal	Late neonatal	Postneonatal
United States /2					
Total	159	132	125	7	27
White	101	84	78	6	17
Black	49	40	39	1	9
Alabama					
Total	1	1	1	-	-
White	-	-	-	-	-
Black	1	1	1	-	-
Alaska					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Arizona					
Total	2	2	2	-	-
White	-	-	-	-	-
Black	1	1	1	-	-
Arkansas					
Total	2	2	2	-	-
White	-	-	-	-	-
Black	2	2	2	-	-
California					
Total	38	36	33	3	2
White	25	23	21	2	2
Black	8	8	7	1	-
Colorado					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Connecticut					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Delaware					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Dist of Columbia					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Florida					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Georgia					
Total	6	2	2	-	4
White	1	-	-	-	1
Black	4	2	2	-	2
Hawaii					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-

Documentation Table 6. Unlinked infant deaths by race, age at death, and state of residence: United States and each state, 2014

[Infant deaths are under 1 year. Neonatal death are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Data in this table is for infant deaths in 2014 that are not included in the linked file because they were not linked with their corresponding birth certificates. See methodology section. Residence is of infant decedent; race is from death certificate]

State and race of child 1/	Infant	Total neonatal	Early neonatal	Late neonatal	Postneonatal
Idaho					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Illinois					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Indiana					
Total	3	2	2	-	1
White	3	2	2	-	1
Black	-	-	-	-	-
Iowa					
Total	1	-	-	-	1
White	1	-	-	-	1
Black	-	-	-	-	-
Kansas					
Total	1	1	-	1	-
White	1	1	-	1	-
Black	-	-	-	-	-
Kentucky					
Total	5	4	4	-	1
White	4	3	3	-	1
Black	1	1	1	-	-
Louisiana					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Maine					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Maryland					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Massachusetts					
Total	4	3	2	1	1
White	4	3	2	1	1
Black	-	-	-	-	-
Michigan					
Total	1	-	-	-	1
White	1	-	-	-	1
Black	-	-	-	-	-
Minnesota					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Mississippi					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-



Documentation Table 6. Unlinked infant deaths by race, age at death, and state of residence: United States and each state, 2014

[Infant deaths are under 1 year. Neonatal death are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Data in this table is for infant deaths in 2014 that are not included in the linked file because they were not linked with their corresponding birth certificates. See methodology section. Residence is of infant decedent; race is from death certificate]

State and race of child 1/	Infant	Total neonatal	Early neonatal	Late neonatal	Postneonatal
Missouri					
Total	5	5	4	1	-
White	5	5	4	1	-
Black	-	-	-	-	-
Montana					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Nebraska					
Total	1	1	1	-	-
White	1	1	1	-	-
Black	-	-	-	-	-
Nevada					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
New Hampshire					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
New Jersey					
Total	7	7	7	-	-
White	5	5	5	-	-
Black	2	2	2	-	-
New Mexico					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
New York					
Total	3	2	2	-	1
White	3	2	2	-	1
Black	-	-	-	-	-
New York City					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
North Carolina					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
North Dakota					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Ohio					
Total	8	6	6	-	2
White	5	5	5	-	-
Black	3	1	1	-	2
Oklahoma					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-

Documentation Table 6. Unlinked infant deaths by race, age at death, and state of residence: United States and each state, 2014

[Infant deaths are under 1 year. Neonatal death are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Data in this table is for infant deaths in 2014 that are not included in the linked file because they were not linked with their corresponding birth certificates. See methodology section. Residence is of infant decedent; race is from death certificate]

State and race of child 1/	Infant	Total neonatal	Early neonatal	Late neonatal	Postneonatal
<b>Oregon</b>					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
<b>Pennsylvania</b>					
Total	8	5	5	-	3
White	3	2	2	-	1
Black	5	3	3	-	2
<b>Rhode Island</b>					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
<b>South Carolina</b>					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
<b>South Dakota</b>					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
<b>Tennessee</b>					
Total	1	1	1	-	-
White	-	-	-	-	-
Black	1	1	1	-	-
<b>Texas</b>					
Total	35	32	31	1	3
White	25	23	22	1	2
Black	9	8	8	-	1
<b>Utah</b>					
Total	1	-	-	-	1
White	1	-	-	-	1
Black	-	-	-	-	-
<b>Vermont</b>					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
<b>Virginia</b>					
Total	26	20	20	-	6
White	13	9	9	-	4
Black	12	10	10	-	2
<b>Washington</b>					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
<b>West Virginia</b>					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
<b>Wisconsin</b>					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-

Documentation Table 6. Unlinked infant deaths by race, age at death, and state of residence: United States and each state, 2014

[Infant deaths are under 1 year. Neonatal death are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days; and postneonatal, 28 days through 11 months. Data in this table is for infant deaths in 2014 that are not included in the linked file because they were not linked with their corresponding birth certificates. See methodology section. Residence is of infant decedent; race is from death certificate]

State and race of child 1/	Infant	Total neonatal	Early neonatal	Late neonatal	Postneonatal
Wyoming					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Foreign Residents					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Puerto Rico					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Virgin Islands					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Guam					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-

1/ Totals for geographic areas include races other than white and black.

2/ Excludes data for foreign residents, Puerto Rico, Virgin Islands and Guam.

Table 1. Infant mortality rates, live births, and infant deaths by selected characteristics and Hispanic origin of mother and by race of mother for mothers of non-Hispanic origin: United States, 2014 linked file

Characteristics	Non-Hispanic					Hispanic				
	All origins <sup>1</sup>	White	Black	American Indian or Alaska Native <sup>2</sup>	Asian or Pacific Islander	Total	Mexican	Puerto Rican	Cuban	Central and South American
Infant mortality rates per 1,000 live births in specified group										
Total	5.82	4.89	10.93	7.59	3.86	5.01	4.85	7.24	3.92	4.25
Age at death										
Total neonatal	3.95	3.22	7.41	4.10	2.82	3.55	3.47	5.02	2.63	3.10
Early neonatal (< 7 days)	3.20	2.59	6.05	3.05	2.32	2.88	2.76	4.35	2.28	2.56
Late neonatal (7-27 days)	0.74	0.64	1.36	1.02	0.49	0.67	0.70	0.67	*	0.54
Postneonatal	1.87	1.67	3.52	3.49	1.04	1.46	1.38	2.22	1.29	1.15
Sex										
Male	6.32	5.35	11.81	8.55	4.15	5.42	5.23	7.75	3.78	4.48
Female	5.30	4.41	10.02	6.60	3.53	4.58	4.45	6.74	4.06	4.01
Plurality										
Single births	5.12	4.28	9.54	7.20	3.30	4.55	4.41	6.41	3.44	3.94
Plural births	24.95	20.35	43.41	21.98	20.37	23.15	23.50	32.06	*	15.95
Birthweight										
Less than 2,500 grams	49.20	44.14	61.76	51.13	33.61	48.91	49.04	55.79	35.71	46.66
Less than 1,500 grams	217.10	205.92	234.09	214.90	186.33	214.39	217.47	230.07	161.62	208.73
1,500-2,499 grams	12.82	13.28	12.63	17.80	7.69	13.48	13.71	13.04	*	13.43
2,500 grams or more	2.00	1.93	3.09	3.88	1.21	1.65	1.70	2.09	1.29	1.18
Period of gestation										
Less than 32 weeks	194.24	179.04	222.37	185.38	174.93	184.59	185.54	210.17	138.14	173.36
32-33 weeks	19.69	19.79	20.24	*	14.85	20.55	17.42	25.36	*	24.78
34-36 weeks	8.24	8.17	9.95	10.73	5.00	7.73	8.06	7.57	*	7.14
37-41 weeks	2.08	1.99	3.20	4.32	1.30	1.73	1.76	2.08	1.42	1.33
37-38 weeks	3.19	3.31	4.30	6.06	1.79	2.48	2.53	2.63	*	1.88
39-40 weeks	1.67	1.55	2.70	3.34	1.07	1.42	1.46	1.85	*	1.01
41 weeks	1.59	1.41	2.66	*	1.41	1.36	1.23	*	*	*
42 weeks or more	3.62	3.31	*	*	*	*	*	*	*	*
Age of mother										
Under 20 years	8.56	8.24	12.62	8.50	6.63	6.17	6.00	7.82	*	6.00
20-24 years	6.79	5.90	11.14	7.87	4.63	5.03	4.79	7.45	*	3.92
25-29 years	5.48	4.71	10.47	6.65	3.88	4.47	4.19	7.31	4.04	3.77
30-34 years	4.82	4.09	10.14	6.87	3.27	4.57	4.59	5.93	*	3.70
35-39 years	5.28	4.17	11.21	9.51	3.67	5.37	5.18	7.57	*	5.23
40-54 years	7.47	6.23	12.00	*	6.34	7.97	8.05	*	*	6.14
Live-birth order										
1	5.94	4.87	11.90	6.78	3.63	5.44	5.32	7.82	3.85	4.74
2	4.95	4.23	9.46	5.51	3.54	4.34	4.19	6.34	2.97	3.48
3	5.69	5.05	9.95	8.16	4.01	4.53	4.40	7.11	*	3.91
4	6.96	6.46	10.90	9.55	5.63	5.29	4.82	6.94	*	5.13
5 or more	8.39	6.96	13.42	10.92	7.07	6.59	6.39	8.87	*	5.37
Marital status										
Married	4.47	3.99	9.25	6.04	3.50	4.55	4.59	6.07	2.67	3.85
Unmarried	7.83	7.09	11.62	8.40	5.65	5.42	5.08	7.90	5.18	4.64
Mother's place of birth										
Born in the 50 States and D.C	6.17	4.98	11.48	7.62	4.79	5.42	5.07	7.49	3.46	4.74
Born elsewhere	4.36	3.22	7.24	7.42	3.50	4.53	4.56	6.56	4.36	4.14

See footnotes at end of table.

Table 1. Infant mortality rates, live births, and infant deaths by selected characteristics and Hispanic origin of mother and by race of mother for mothers of non-Hispanic origin: United States, 2014 linked file--Con.

Characteristics	Non-Hispanic					Hispanic				
	All origins <sup>1</sup>	White	Black	American Indian or Alaska Native <sup>2</sup>	Asian or Pacific Islander	Total	Mexican	Puerto Rican	Cuban	Central and South American
Live births										
Total	3,988,076	2,149,302	588,891	44,928	282,723	914,065	545,977	69,879	20,163	136,656
Sex										
Male	2,040,701	1,103,196	298,385	22,808	145,647	466,241	278,633	35,747	10,313	69,601
Female	1,947,375	1,046,106	290,506	22,120	137,076	447,824	267,344	34,132	9,850	67,055
Plurality										
Single births	3,848,214	2,067,486	564,817	43,745	273,541	891,426	533,511	67,571	19,491	133,146
Plural births	139,862	81,816	24,074	1,183	9,182	22,639	12,466	2,308	672	3,510
Birthweight										
Less than 2,500 grams	320,173	150,150	77,926	3,442	22,822	64,602	35,990	6,686	1,512	9,151
Less than 1,500 grams	57,029	24,053	17,288	577	3,306	11,395	6,240	1,317	297	1,557
1,500-2,499 grams	263,144	126,097	60,638	2,865	19,516	53,207	29,750	5,369	1,215	7,594
2,500 grams or more	3,667,202	1,999,047	510,898	41,479	259,862	849,417	509,960	63,191	18,650	127,493
Not stated	701	105	67	7	39	46	27	2	1	12
Period of gestation										
Less than 32 weeks	63,565	27,620	18,150	561	3,350	13,213	7,357	1,475	333	1,817
32-33 weeks	45,909	22,996	9,882	478	2,559	9,636	5,568	907	238	1,372
34-36 weeks	271,847	140,695	49,828	2,889	16,985	59,610	34,884	5,281	1,243	8,408
37-41 weeks	3,586,933	1,946,215	508,502	33,770	248,651	828,013	495,766	62,066	18,313	124,564
37-38 weeks	986,745	495,474	160,090	10,390	73,833	241,191	143,865	18,285	4,906	35,720
39-40 weeks	2,339,796	1,293,001	317,267	20,945	159,918	534,789	321,071	39,536	12,559	80,383
41 weeks	260,392	157,740	31,145	2,435	14,900	52,033	30,830	4,245	848	8,461
42 weeks or more	16,576	10,588	2,017	160	664	2,957	1,974	123	32	438
Not stated	3,246	1,188	512	94	212	636	428	27	4	57
Age of mother										
Under 20 years	251,847	99,899	55,774	5,056	4,677	87,007	55,330	7,291	854	8,003
20-24 years	882,567	420,224	182,435	14,099	27,003	239,121	146,071	21,349	4,132	25,763
25-29 years	1,145,392	646,097	160,935	12,784	74,950	248,971	148,067	19,148	6,430	37,094
30-34 years	1,081,058	642,219	116,939	8,592	105,442	204,232	118,730	13,829	5,267	37,579
35-39 years	508,748	280,788	57,647	3,576	56,449	107,644	62,002	6,737	2,706	22,351
40-54 years	118,464	60,075	15,161	821	14,202	27,090	15,777	1,525	774	5,866
Live-birth order										
1	1,550,475	879,702	216,595	14,752	125,997	309,670	173,545	26,224	9,358	47,284
2	1,267,334	709,113	168,954	11,973	102,581	272,511	155,968	21,919	7,081	44,027
3	667,446	338,582	104,078	8,459	34,142	181,706	115,499	12,089	2,554	26,325
4	283,953	128,264	51,103	4,817	11,366	88,328	59,555	5,335	716	11,303
5 or more	198,970	84,664	43,806	4,670	7,209	58,000	39,290	3,834	388	7,072
Not stated	19,898	8,977	4,355	257	1,428	3,850	2,120	478	66	645
Marital status										
Married	2,383,206	1,521,224	171,373	15,399	236,381	430,258	264,320	25,222	10,122	67,743
Unmarried	1,604,870	628,078	417,518	29,529	46,342	483,807	281,657	44,657	10,041	68,913
Mother's place of birth										
Born in the 50 States and D.C.	3,086,609	2,009,971	499,970	42,134	63,201	462,134	273,960	53,403	9,823	23,649
Born elsewhere	891,823	135,834	86,220	2,694	218,292	450,555	271,566	16,003	10,332	112,840
Not stated	9,644	3,497	2,701	100	1,230	1,376	451	473	8	167

See footnotes at end of table.

Table 1. Infant mortality rates, live births, and infant deaths by selected characteristics and Hispanic origin of mother and by race of mother for mothers of non-Hispanic origin: United States, 2014 linked file--Con.

Characteristics	All origins <sup>1</sup>	Non-Hispanic				Hispanic				
		White	Black	American Indian or Alaska Native <sup>2</sup>	Asian or Pacific Islander	Total	Mexican	Puerto Rican	Cuban	Central and South American
Total	23,211	10,515	6,435	341	Infant deaths 1,090	4,579	2,646	506	79	581
Age at death										
Total neonatal	15,737	6,923	4,361	184	797	3,242	1,892	351	53	424
Early neonatal (< 7 days)	12,772	5,557	3,561	137	657	2,633	1,508	304	46	350
Late neonatal (7-27 days)	2,965	1,366	800	46	139	609	384	47	7	74
Postneonatal	7,474	3,592	2,074	157	293	1,338	753	155	26	157
Sex										
Male	12,889	5,901	3,525	195	605	2,528	1,457	277	39	312
Female	10,322	4,614	2,910	146	484	2,051	1,189	230	40	269
Plurality										
Single births	19,722	8,850	5,390	315	903	4,055	2,353	433	67	525
Plural births	3,489	1,665	1,045	26	187	524	293	74	12	56
Birthweight										
Less than 2,500 grams	15,754	6,627	4,813	176	767	3,160	1,765	373	54	427
Less than 1,500 grams	12,381	4,953	4,047	124	616	2,443	1,357	303	48	325
1,500-2,499 grams	3,373	1,674	766	51	150	717	408	70	6	102
2,500 grams or more	7,338	3,857	1,577	161	315	1,398	867	132	24	151
Not stated	119	30	45	4	8	21	14	2	1	3
Period of gestation										
Less than 32 weeks	12,347	4,945	4,036	104	586	2,439	1,365	310	46	315
32-33 weeks	904	455	200	7	38	198	97	23	5	34
34-36 weeks	2,241	1,149	496	31	85	461	281	40	1	60
37-41 weeks	7,459	3,868	1,628	146	324	1,430	872	129	26	166
37-38 weeks	3,147	1,641	689	63	132	598	364	48	17	67
39-40 weeks	3,897	2,004	856	70	171	761	470	73	9	81
41 weeks	415	223	83	13	21	71	38	8	-	18
42 weeks or more	60	35	9	2	1	11	5	1	-	3
Not stated	200	63	65	4	9	40	26	2	1	3
Age of mother										
Under 20 years	2,155	823	704	43	31	537	332	57	5	48
20-24 years	5,996	2,481	2,032	111	125	1,203	700	159	19	101
25-29 years	6,277	3,042	1,685	85	291	1,112	620	140	26	140
30-34 years	5,213	2,624	1,186	59	345	933	545	82	15	139
35-39 years	2,685	1,171	646	34	207	578	321	51	8	117
40-54 years	885	374	182	8	90	216	127	16	6	36
Live-birth order										
1	9,208	4,288	2,578	100	457	1,686	923	205	36	224
2	6,272	3,000	1,598	66	363	1,182	654	139	21	153
3	3,799	1,711	1,036	69	137	824	508	86	14	103
4	1,976	829	557	46	64	467	287	37	7	58
5 or more	1,669	589	588	51	51	382	251	34	1	38
Not stated	288	99	77	8	17	38	23	5	-	5
Marital status										
Married	10,652	6,063	1,585	93	828	1,956	1,214	153	27	261
Unmarried	12,559	4,452	4,850	248	262	2,623	1,431	353	52	320
Mother's place of birth										
Born in the 50 States and D.C.	19,035	10,004	5,742	321	303	2,506	1,389	400	34	112
Born elsewhere	3,891	437	624	20	763	2,040	1,238	105	45	467
Not stated	285	74	70	-	23	33	18	2	-	2

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

- Quantity zero.

1 Includes other and unknown Hispanic origin not stated, not shown separately.

2 Includes Aleuts and Eskimos.

Table 2. Infant mortality rates by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 2012-2014 linked files

[By place of residence]

	Total	Race and Hispanic origin of mother				
		Non-Hispanic White	Non-Hispanic Black	American Indian or Alaska Native <sup>1</sup>	Asian or Pacific Islander	Hispanic
		Infant mortality rates per 1,000 live births in specified group				
United States <sup>2</sup>	5.92	5.00	11.07	7.87	3.99	5.04
Alabama	8.72	6.85	13.29	*	*	5.95
Alaska	5.85	4.17	*	10.75	*	*
Arizona	5.71	4.78	11.44	8.19	5.08	5.65
Arkansas	7.47	6.90	10.30	*	7.55	6.12
California	4.51	3.73	9.45	5.36	3.50	4.47
Colorado	4.82	4.12	10.01	*	4.57	5.26
Connecticut	4.96	3.61	9.71	*	*	6.40
Delaware	6.92	4.73	11.93	*	*	4.95
District of Columbia	7.35	2.58	10.94	*	*	5.38
Florida	6.12	5.09	10.51	*	3.30	4.39
Georgia	6.91	5.05	10.37	*	3.83	5.24
Hawaii	5.24	4.28	12.64	*	5.34	4.48
Idaho	5.47	5.22	*	*	*	6.26
Illinois	6.35	4.94	12.57	*	4.69	5.21
Indiana	7.01	6.15	13.34	*	5.81	5.73
Iowa	4.78	4.49	9.58	*	6.16	3.84
Kansas	6.33	5.74	12.91	*	*	6.58
Kentucky	6.91	6.51	11.25	*	*	6.61
Louisiana	8.11	5.97	11.74	*	5.82	4.53
Maine	6.90	6.73	*	*	*	*
Maryland	6.49	4.17	10.60	*	4.26	5.31
Massachusetts	4.24	3.49	7.62	*	3.06	5.07
Michigan	6.81	5.29	12.61	*	4.95	6.82
Minnesota	5.04	4.23	9.33	10.64	5.09	5.43
Mississippi	8.90	6.58	11.75	*	*	7.87
Missouri	6.42	5.50	11.43	*	3.46	6.34
Montana	5.77	5.02	*	10.69	*	*
Nebraska	4.98	4.44	8.73	*	*	5.51
Nevada	5.26	4.91	9.61	*	4.29	4.37
New Hampshire	4.73	4.40	*	*	*	*
New Jersey	4.45	3.06	9.56	*	3.24	4.45
New Mexico	5.79	5.49	*	5.02	*	5.88
New York	4.85	3.88	8.74	*	3.27	4.91
North Carolina	7.18	5.43	12.55	10.53	3.98	5.53
North Dakota	5.80	5.05	*	11.95	*	*
Ohio	7.23	6.00	13.00	*	4.46	6.71
Oklahoma	7.49	6.93	12.67	7.06	7.79	6.31
Oregon	5.13	4.90	7.59	10.12	4.12	5.18
Pennsylvania	6.53	5.05	12.25	*	3.75	6.89
Rhode Island	5.81	4.33	10.21	*	*	6.40
South Carolina	6.93	5.17	10.90	*	*	4.62
South Dakota	6.83	5.53	*	11.70	*	*
Tennessee	6.97	5.85	11.66	*	5.34	4.68
Texas	5.83	5.06	10.86	*	4.00	5.30
Utah	4.97	4.52	13.46	*	6.93	5.41
Vermont	4.42	4.43	*	*	*	*
Virginia	6.10	4.70	11.21	*	3.93	5.02
Washington	4.76	4.38	8.51	8.82	4.14	4.51
West Virginia	7.24	7.16	10.06	*	*	*
Wisconsin	5.88	4.90	13.78	6.68	5.88	4.76
Wyoming	5.59	5.39	*	*	*	*
Puerto Rico	7.79	---	---	---	---	---
Virgin Islands	.	*	*	*	.	*
Guam	9.68	.	.	.	10.21	*

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

--- Data not available.

1 Includes Aleuts and Eskimos.

2 Excludes data for Puerto Rico, Virgin Islands, and Guam.

Table 3. Percentage of live births with selected maternal and infant characteristics by race and Hispanic origin of mother: United States, 2014 linked file

Characteristic	All races and origins <sup>1</sup>	Non-Hispanic				Hispanic				
		White	Black	American Indian <sup>2</sup>	Asian or Pacific Islander	Total <sup>1</sup>	Mexican	Puerto Rican	Cuban	Central and South American
Birthweight:										
Less than 1,500 grams	1.43	1.12	2.98	1.30	1.20	1.25	1.14	1.88	1.47	1.14
Less than 2,500 grams	8.0	7.0	13.4	7.7	8.1	7.1	6.6	9.6	7.5	6.7
Preterm births <sup>3</sup>	9.6	8.9	13.2	10.4	8.4	9.0	8.8	11.0	9.0	8.5
Births to mothers under 20 years	6.3	4.7	9.3	11.3	1.7	9.5	10.1	10.4	4.2	5.9
Fourth and higher order births	12.2	10.0	16.5	21.2	6.6	16.1	18.2	13.2	5.5	13.5
Births to unmarried mothers	40.2	29.2	71.1	65.7	16.4	52.9	51.6	63.9	49.8	50.4
Mothers born in the 50 States and D.C.	77.6	94.0	85.3	94.0	22.5	50.6	50.2	76.9	48.7	17.3

1 Includes other and unknown Hispanic and origin not stated not shown separately.

2 Includes Aleuts and Eskimos.

3 Born prior to 37 completed weeks of gestation.



Table 4. Live births, infant, neonatal, and postneonatal deaths and mortality rates by race and Hispanic origin of mother and birthweight: United States, 2014 linked file, and percent change in birthweight-specific infant mortality, 2013-2014 linked file

Race and Birthweight	Number in 2014				Mortality rate per 1,000 live births in 2014			
	Live births	Infant deaths	Neonatal deaths	Postneonatal deaths	Infant	Neonatal	Postneonatal	
All races 1	3,988,076	23,211	15,737	7,474	5.82	3.95	1.87	
Less than 2,500 grams	320,173	15,754	13,026	2,728	49.20	40.68	8.52	
Less than 1,500 grams	57,029	12,381	11,055	1,326	217.10	193.85	23.25	
Less than 500 grams	6,688	5,684	5,561	122	849.88	831.49	18.24	
500-749 grams	9,962	3,867	3,343	524	388.18	335.58	52.60	
750-999 grams	11,002	1,378	1,063	315	125.25	96.62	28.63	
1,000-1,249 grams	13,249	824	620	204	62.19	46.80	15.40	
1,250-1,499 grams	16,128	628	468	161	38.94	29.02	9.98	
1,500-1,999 grams	62,103	1,416	917	499	22.80	14.77	8.04	
2,000-2,499 grams	201,041	1,957	1,054	903	9.73	5.24	4.49	
2,500 grams or more	3,667,202	7,338	2,595	4,743	2.00	0.71	1.29	
2,500-2,999 grams	728,299	2,684	1,073	1,611	3.69	1.47	2.21	
3,000-3,499 grams	1,546,756	2,803	893	1,910	1.81	0.58	1.23	
3,500-3,999 grams	1,071,342	1,402	433	969	1.31	0.40	0.90	
4,000-4,499 grams	276,692	357	141	216	1.29	0.51	0.78	
4,500-4,999 grams	39,364	70	40	30	1.78	1.02	0.76	
5,000 grams or more	4,749	22	15	7	4.63	*	*	
Not stated	701	119	116	3	...	...	...	
Non-Hispanic White	2,149,302	10,515	6,923	3,592	4.89	3.22	1.67	
Less than 2,500 grams	150,150	6,627	5,474	1,154	44.14	36.46	7.69	
Less than 1,500 grams	24,053	4,953	4,471	483	205.92	185.88	20.08	
Less than 500 grams	2,381	2,061	2,028	33	865.60	851.74	13.86	
500-749 grams	3,812	1,559	1,388	171	408.97	364.11	44.86	
750-999 grams	4,502	635	516	119	141.05	114.62	26.43	
1,000-1,249 grams	5,964	390	299	91	65.39	50.13	15.26	
1,250-1,499 grams	7,394	308	240	68	41.66	32.46	9.20	
1,500-1,999 grams	30,023	708	456	252	23.58	15.19	8.39	
2,000-2,499 grams	96,074	966	547	419	10.05	5.69	4.36	
2,500 grams or more	1,999,047	3,857	1,419	2,439	1.93	0.71	1.22	
2,500-2,999 grams	340,711	1,311	529	782	3.85	1.55	2.30	
3,000-3,499 grams	807,441	1,499	519	980	1.86	0.64	1.21	
3,500-3,999 grams	641,681	783	255	527	1.22	0.40	0.82	
4,000-4,499 grams	180,448	211	80	131	1.17	0.44	0.73	
4,500-4,999 grams	25,906	40	24	16	1.54	0.93	*	
5,000 grams or more	2,860	13	10	3	*	*	*	
Not stated	105	30	30	-	...	...	...	
Non-Hispanic Black	588,891	6,435	4,361	2,074	10.93	7.41	3.52	
Less than 2,500 grams	77,926	4,813	3,881	931	61.76	49.80	11.95	
Less than 1,500 grams	17,288	4,047	3,546	501	234.09	205.11	28.98	
Less than 500 grams	2,507	2,070	2,019	51	825.69	805.35	20.34	
500-749 grams	3,486	1,261	1,028	233	361.73	294.89	66.84	
750-999 grams	3,431	379	262	117	110.46	76.36	34.10	
1,000-1,249 grams	3,674	201	144	57	54.71	39.19	15.51	
1,250-1,499 grams	4,190	136	94	42	32.46	22.43	10.02	
1,500-1,999 grams	14,760	314	178	136	21.27	12.06	9.21	
2,000-2,499 grams	45,878	452	157	295	9.85	3.42	6.43	
2,500 grams or more	510,898	1,577	435	1,142	3.09	0.85	2.24	
2,500-2,999 grams	145,633	683	222	461	4.69	1.52	3.17	
3,000-3,499 grams	227,458	585	135	450	2.57	0.59	1.98	
3,500-3,999 grams	111,349	247	49	198	2.22	0.44	1.78	
4,000-4,499 grams	22,784	50	20	30	2.19	0.88	1.32	
4,500-4,999 grams	3,209	10	6	4	*	*	*	
5,000 grams or more	465	2	2	-	*	*	*	
Not stated	67	45	45	-	...	...	...	

See footnotes at end of table.

Table 4. Live births, infant, neonatal, and postneonatal deaths and mortality rates by race and Hispanic origin of mother and birthweight: United States, 2014 linked file, and percent change in birthweight-specific infant mortality, 2013-2014 linked file--Con

Race and Birthweight	Number in 2014					Mortality rate per 1,000 live births in 2014		
	Live births	Infant deaths	Neonatal deaths	Postneonatal deaths	Infant	Neonatal	Postneonatal	
American Indian 2	44,928	341	184	157	7.59	4.10	3.49	
Less than 2,500 grams	3,442	176	141	34	51.13	40.96	9.88	
Less than 1,500 grams	577	124	109	15	214.90	188.91	*	
Less than 500 grams	50	44	44	-	880.00	880.00	*	
500-749 grams	98	44	38	6	448.98	387.76	*	
750-999 grams	116	18	15	3	*	*	*	
1,000-1,249 grams	139	12	7	5	*	*	*	
1,250-1,499 grams	174	6	5	1	*	*	*	
1,500-1,999 grams	700	25	18	7	35.71	*	*	
2,000-2,499 grams	2,165	26	14	12	12.01	*	*	
2,500 grams or more	41,479	161	38	123	3.88	0.92	2.97	
2,500-2,999 grams	7,548	48	14	34	6.36	*	4.50	
3,000-3,499 grams	16,660	51	9	42	3.06	*	2.52	
3,500-3,999 grams	12,719	45	9	36	3.54	*	2.83	
4,000-4,499 grams	3,835	9	3	6	*	*	*	
4,500-4,999 grams	606	6	3	3	*	*	*	
5,000 grams or more	111	2	-	2	*	*	*	
Not stated	7	4	4	-	...	...	...	
Asian/Pacific Islander	282,723	1,090	797	293	3.86	2.82	1.04	
Less than 2,500 grams	22,822	767	656	110	33.61	28.74	4.82	
Less than 1,500 grams	3,306	616	555	61	186.33	167.88	18.45	
Less than 500 grams	351	304	301	3	866.10	857.55	*	
500-749 grams	480	170	148	22	354.17	308.33	45.83	
750-999 grams	576	65	47	18	112.85	81.60	*	
1,000-1,249 grams	808	46	36	9	56.93	44.55	*	
1,250-1,499 grams	1,091	32	23	9	29.33	21.08	*	
1,500-1,999 grams	4,066	52	36	16	12.79	8.85	*	
2,000-2,499 grams	15,450	98	65	33	6.34	4.21	2.14	
2,500 grams or more	259,862	315	132	183	1.21	0.51	0.70	
2,500-2,999 grams	65,586	133	57	76	2.03	0.87	1.16	
3,000-3,499 grams	119,167	120	48	71	1.01	0.40	0.60	
3,500-3,999 grams	61,292	49	22	27	0.80	0.36	0.44	
4,000-4,499 grams	12,117	11	5	6	*	*	*	
4,500-4,999 grams	1,506	2	-	2	*	*	*	
5,000 grams or more	194	-	-	-	*	*	*	
Not stated	39	8	8	-	...	...	...	
Hispanic	914,065	4,579	3,241	1,338	5.01	3.55	1.46	
Less than 2,500 grams	64,602	3,160	2,671	489	48.91	41.35	7.57	
Less than 1,500 grams	11,395	2,443	2,185	258	214.39	191.75	22.64	
Less than 500 grams	1,271	1,082	1,049	33	851.30	825.33	25.96	
500-749 grams	2,013	780	694	86	387.48	344.76	42.72	
750-999 grams	2,330	272	215	57	116.74	92.27	24.46	
1,000-1,249 grams	2,606	172	131	40	66.00	50.27	15.35	
1,250-1,499 grams	3,175	136	95	41	42.83	29.92	12.91	
1,500-1,999 grams	12,340	313	223	89	25.36	18.07	7.21	
2,000-2,499 grams	40,867	404	263	141	9.89	6.44	3.45	
2,500 grams or more	849,417	1,398	549	849	1.65	0.65	1.00	
2,500-2,999 grams	167,466	503	241	262	3.00	1.44	1.56	
3,000-3,499 grams	373,587	539	176	363	1.44	0.47	0.97	
3,500-3,999 grams	242,171	267	91	176	1.10	0.38	0.73	
4,000-4,499 grams	57,037	72	31	41	1.26	0.54	0.72	
4,500-4,999 grams	8,058	12	7	5	*	*	*	
5,000 grams or more	1,098	5	3	2	*	*	*	
Not stated	46	21	21	-	...	...	...	

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

... Category not applicable.

- Quantity zero

1 Includes races other than white or black.

2 Includes Aleuts and Eskimos.