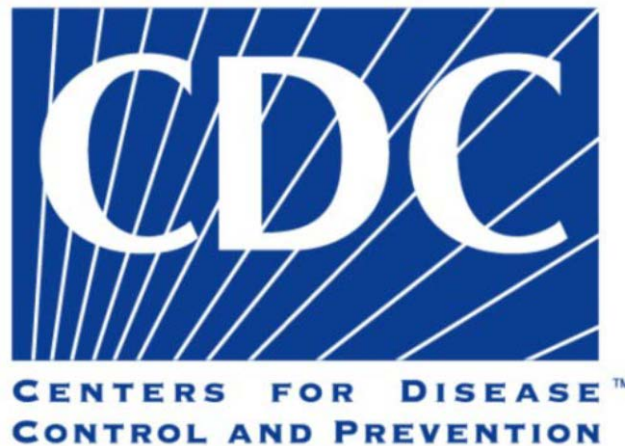


**User Guide
to the
2013 Period Linked
Birth/Infant Death
Public Use File**



DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics
Division of Vital Statistics

2013 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 2013 period linked file.

Period data - The numerator for the 2013 period linked file consists of all infant deaths occurring in 2013 linked to their corresponding birth certificates, whether the birth occurred in 2012 or 2013. The denominator file for this data set is the 2013 natality file, that is, all births occurring in 2013.

The 2013 period linked birth/infant death data set includes several data files. The first file includes all US infant deaths which occurred in the 2013 data year linked to their corresponding birth certificates, whether the birth occurred in 2012 or 2013 - 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 2013 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.

1989 and 2003 Revisions of the U.S. Standard Certificate of Live Birth and Certificate of Death

This data file includes birth data based on both the 1989 Revision of the U.S. Standard Certificate of Live Birth (unrevised) and the 2003 revision of the U.S. Standard Certificate of Live Birth (revised). The 2003 revision is described in detail elsewhere. (See the 2003 Revision website at: http://www.cdc.gov/nchs/nvss/vital_certificate_revisions.htm . Forty-one states, the District of Columbia (DC), Guam, and Puerto Rico, representing 90 percent of all U.S. births, implemented the 2003 revision on or before January 1, 2013. Where comparable, revised data are combined with data from the remaining reporting areas.

This file includes mortality data for forty states and the District of Columbia, which implemented the 2003 revision of the U.S. Standard Certificate of Death as of January 1, 2013. Data from all other areas are based on the 1989 revision. Most of the variables from the death certificate in this file are comparable despite changes to item wording and format in the 2003 revision. See more about the 2003 Revision at: http://www.cdc.gov/nchs/nvss/vital_certificate_revisions.htm .

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 2013 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 [2013 Natality User Guide](#)). Although many data items are comparable across certificate revisions and are available for the entire United States, many items have more limited reporting areas. In addition,

the 2013 linked file contains information on infants born in both 2012 and 2013. As reporting areas changed between 2012 and 2013, 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 2012 and 2013. 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 2013 linked file are different from those for the 2013 birth file, as items had to be reported by a state in both 2012 and 2013 to be able to provide complete data. Thus, data for non-comparable items from states that revised in 2013 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 2013 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:\VS13LINK.USNUMPUB' LRECL=1259;
03     INPUT
04         restatus 138
05         precare 245-246
06         f_mpcb 668;
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:\VS13LINK.USNUMPUB ' LRECL=1259;
03      INPUT
04          restatus 138
05          xmrstate $ 107-108
06          precare 245-246;
07
08      /*Exclude foreign residents*/
09      IF restatus NE 4;
10      /*Select reporting area*/
11      IF xmrstate in ('IL','KY','CA','FL','CO','MD','OR');
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 2013 data, forty-four states and DC reported multiple race data, representing 91% of all

U.S. births. For the 2013 period linked file, complete data for both 2012 and 2013 births are available from 41 states and DC, representing 90% of all U.S. births.

In 2013, multiple race data were reported on the death certificates of 42 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 4.20 to 0.59% in the numerator file, and from 0.11 to 0.02 in the denominator file, thus greatly reducing the potential for underestimation when computing birthweight-specific infant mortality rates.

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 2013 linked file 1.0% 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 2013 linked file for the 50 States and D.C. includes 23,242 linked infant death records and 223 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 23,465.

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, 2013 linked file

United States	99.0	Nebraska	100.0
Alabama	100.0	Nevada	100.0
Alaska	100.0	New Hampshire	100.0
Arizona	99.1	New Jersey	98.0
Arkansas	100.0	New Mexico	98.4
California	98.2	New York State	99.2
Colorado	100.0	New York City	99.5
Connecticut	99.4	North Carolina	99.6
Delaware	100.0	North Dakota	100.0
District of Columbia	100.0	Ohio	98.7
Florida	100.0	Oklahoma	100.0
Georgia	99.7	Oregon	100.0
Hawaii	100.0	Pennsylvania	99.4
Idaho	100.0	Rhode Island	100.0
Illinois	100.0	South Carolina	100.0
Indiana	99.3	South Dakota	100.0
Iowa	99.3	Tennessee	99.7
Kansas	100.0	Texas	95.6
Kentucky	98.7	Utah	100.0
Louisiana	98.7	Vermont	100.0
Maine	98.9	Virginia	99.7
Maryland	100.0	Washington	100.0
Massachusetts	99.0	West Virginia	98.7
Michigan	99.7	Wisconsin	100.0
Minnesota	100.0	Wyoming	100.0

Mississippi	100.0	Puerto Rico	100.0
Missouri	99.3	Virgin Islands	NA
Montana	100.0	Guam	96.8

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

Also see: 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.

2013 Period Linked Birth/Infant Death Data Set

Numerator Files:

United States

A. Record count:	23,242
B. Record length:	1,259
C. Data counts:	a. By occurrence: 23,242 b. By residence: 23,224 c. To foreign residents: 18

Territories

A. Record count:	291
B. Record length:	1,259

Denominator Files:

United States

A. Record count:	3,940,764
B. Record length:	868
C. Data counts:	a. By occurrence: 3,940,764 b. By residence: 3,932,181 c. To foreign residents: 8,583

Territories

A. Record count:	39,863
B. Record length:	868

Unlinked Files:

United States

A. Record count:	223
B. Record length:	1,259

Territories

A. Record count:	1
B. Record length:	1,259

Linked 2013 Data Elements and Locations

Data Items	Denominator File	Numerator File		Unlinked File
		Birth	Death	
General				
Year of birth	15-18	15-18	--	15-18*
Year of death	--	--	1188-91	1188-91
Resident status	138	138	1151	1151
Record weight	--	893	--	--
Flag indicating records included in both numerator and denominator	868	868	--	--
Infant				
Age at death	--	--	872-77	872-77+
Race	--	--	--	139-44*
Sex	436	436	--	436*
Gestation	451-57	451-57	--	--
Birthweight	467-73	467-73	--	--
Plurality	423	423	--	--
Apgar score	415-17	415-17	--	--
Day of week, birth/death	29	29	1187	1187
Month, birth/death	19-20	19-20	1258-59	1258-59
Mother				
Age	89-93	89-93	--	--
Race	139-44	139-44	--	--
Education	155-58	155-58	--	--
Marital status	153	153	--	--
Hispanic origin	148-49	148-49	--	--
Father				
Age	182-87	182-87	--	--
Race	188-91, 199-200	188-91, 199-200	--	--
Hispanic origin	195-96	195-96	--	--

Pregnancy items				
Month pre-care began	245-47, 256-59	245-47, 256-59	--	--
Number prenatal visits	270-73	270-73	--	--
Live birth order	212	212	--	--
Total birth order	217	217	--	--
Month of last live birth	220-21	220-21	--	--
Year of last live birth	222-25	222-25	--	--
Medical and health data				
Method of delivery	390-403	390-403	--	--
Medical risk factors	313-19, 328-37	313-19, 328-37	--	--
Tobacco	284-94	284-94	--	--
Weight gain during preg	276-78	276-78	--	--
Obstetric procedures	351-61	351-61	--	--
Complications / Characteristics of L/D	365-89	365-89	--	--
Abnormal conditions	476-82	476-82	--	--
Congenital anomalies	492-523	492-523	--	--
Underlying cause, death	--	--	884-87	884-87
130 infant cause recode	--	--	889-91	889-91
Multiple conditions	--	--	903-1148	903-1148
Other items				
Residence reporting				
Flags	569-771	569-771	--	--
Late record flag	9	9	--	--
Place of birth	42,59	42,59	--	--
Attendant at birth	410	410	--	--
Place of death and decedent's status	--	--	1186	1186
Place of injury	--	--	882	882
Manner of death	--	--	878	878
Method of disposition	--	--	879	879
Autopsy	--	--	880	880

* For the unlinked file, these items are from the death certificate.

+ For the unlinked file, date of birth as reported on the death certificate is used to generate age at death.

2013 Linked File Public Use Layout

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
1-6	6	FILLER	Filler				
7	1	VERSION	Version		U,R	R U	State used the 2003 version of the US Standard Birth Certificate (Revised) State used the 1989 version of the US Standard Birth Certificate (Unrevised)
8	1	FILLER	Filler				
9	1	LATEREC	Late Record Flag		U,R	0 1	Not late record Late record
10-14	5	FILLER	Filler				
15-18	4	DOB_YY	Birth Year		U,R	2012 2013	2012 2013
19-20	2	DOB_MM	Birth Month		U,R	01 02 03 04 05 06 07 08 09 10 11 12	January February March April May June July August September October November December
21-24	4	FILLER	Filler				
25-28	4	DOB_TT	Birth Time	c571	R	0000-2359 9999	Time of Birth Not Stated
29	1	DOB_WK	Weekday		U,R	1 2 3 4 5	Sunday Monday Tuesday Wednesday Thursday

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R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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c Item is sharing flag with a comparable reporting area because a unique flag did not already exist.

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						6	Friday
						7	Saturday
30-31	2	OSTATE	Occurrence Territory (This item is available in the territory file only, geographic codes are not available in the U.S. file.)		U,R		
			<u>Territories</u>			GU	Guam
						PR	Puerto Rico
						VI	Virgin Islands
32-36	5	FILLER	Filler				
37-39	3	OCNTYFIPS	Occurrence FIPS County (This item is available in the territory file only, geographic codes are not available in the U.S. file.)		U,R	000-999	County of Occurrence
40	1	OCNTYPOP	Occurrence County Pop (This item is available in the territory file only, geographic codes are not available in the U.S. file.)		U,R	0 1 2 9	County of 1,000,000 or more County of 500,000 to 1,000,000 County of 250,000 to 500,000 County less than 250,000
41	1	BFACIL	Birth Place (Revised)	676	R	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
42	1	UBFACIL	Birth Place		U,R	1 2 3 4 5 9	Hospital Freestanding Birthing Center Clinic / Doctor's Office Residence Other Unknown

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
43-58	16	FILLER	Filler				
59	1	BFACIL3	Birth Place Recode		U,R	1 2 3	In Hospital Not in Hospital Unknown or Not Stated
60-86	27	FILLER	Filler				
87	1	MAGE_IMPFLG	Mother's Age Imputed		U,R	Blank 1	Age not imputed Age imputed
88	1	MAGE_REPFLG	Reported Age of Mother Flag		U,R	Blank 1	Reported age not used Reported age used
89-90	2	MAGER	Mother's Age Recode 41		U,R	12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	10 – 12 years 13 years 14 years 15 years 16 years 17 years 18 years 19 years 20 years 21 years 22 years 23 years 24 years 25 years 26 years 27 years 28 years 29 years 30 years 31 years 32 years 33 years 34 years 35 years 36 years 37 years

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						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 -64 years
91-92	2	MAGER14	Mother's Age Recode 14		U,R	01	Under 15 Years
						03	15 years
						04	16 years
						05	17 years
						06	18 years
						07	19 years
						08	20-24 years
						09	25-29 years
						10	30-34 years
						11	35-39 years
						12	40-44 years
						13	45-49 years
						14	50-64 years
93	1	MAGER9	Mother's Age Recode 9		U,R	1	Under 15 years
						2	15-19 years
						3	20-24 years
						4	25-29 years
						5	30-34 years
						6	35-39 years
						7	40-44 years
						8	45-49 years
						9	50-64 years
94-95	2	MBCNTRY	Mother's Birth Country (This item is available in the territory file)		R,u	AA-ZZ	See Geographic Documentation

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
			only, geographic codes are not available in the U.S. file.)				
96-108	13	FILLER	Filler				
109-110	2	MRSTATEPSTL	Mother's Residence Postal State (This item is available in the territory file only, geographic codes are not available in the U.S. file.)		U,R	GU PR VI CC CU MX US XX ZZ	Guam Puerto Rico Virgin Islands Canada Cuba Mexico United States Not Applicable Not Classifiable
111-113	3	FILLER	Filler				
114-116	3	MRCNTY	Mother's County of Residence (This item is available in the territory file only, geographic codes are not available in the U.S. file.)		R,u	001-999 000	See Geographic Tables Foreign
117-131	15	FILLER	Filler				
132	1	RCNTY_POP	Population of Residence County (This item is available in the territory file only, geographic codes are not available in the U.S. file.)		U,R	0 1 2 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 less than 250,000 Foreign resident
133-136	4	FILLER	Filler				
137	1	RECTYPE	Record Type (This item is available in the territory file only, geographic codes are not available in the U.S. file.)		U,R	1 2	RESIDENT: State and county of occurrence and residence NONRESIDENT: State and county of occurrence and residence are different.
138	1	RESTATUS	Residence Status <u>United States</u>		U,R	1	RESIDENT: State and county of occurrence and residence are the same.

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						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>Territories</u>			1	RESIDENT: State and county of occurrence and residence are the same. (Unique to Guam, all US residents are considered residents of Guam and thus are assigned 1.)
						2	INTRATERRITORY NONRESIDENT: Territory of occurrence and residence are the same but county is different.
						2	INTERTERRITORY RESIDENT: Territory of occurrence and residence are different but both are US Territories.
						3	FOREIGN RESIDENT: The residence is not a US Territory.
139-140	2	MBRACE	Mother's Bridged Race <u>United States and non Puerto Rican Territories</u> Includes only states reporting multiple race. Codes 01-14 used for individuals reporting only one race. Codes 21-24 used for individuals reporting more than one race that have been bridged to a single race. Code 24 also used for individuals reporting more than one Asian/Pacific Islander group.		R**	01 02 03 04 05 06 07 08 09 10 11 12 13 14 21 22 23 24 Blank	White – single race Black – single race American Indian – single race Asian Indian – single race Chinese – single race Filipino – single race Japanese – single race Korean – single race Vietnamese – single race Other Asian – single race Hawaiian – single race Guamanian – single race Samoan – single race Other Pacific Islander – single race White – bridged multiple race Black – bridged multiple race American Indian & Alaskan Native – bridged multiple race Asian / Pacific Islander – bridged multiple race Not on certificate
			** Also includes unrevised states that report multiple race.				
			<u>Puerto Rico</u>			01	White

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						02	Black
						00	Other
141-142	2	MRACE	Mother's Race <u>United States</u>	650 (API groups)	U	01	White
						02	Black
						03	American Indian or Alaskan Natives
						04	Chinese
						05	Japanese
						06	Hawaiian (includes part Hawaiian)
						07	Filipino
						18	Asian Indian
						28	Korean
						38	Samoan
						48	Vietnamese
						58	Guamanian
						68	Other Asian or Pacific Islander in areas reporting codes 18-58.
						78	Combined other Asian or Pacific Islander, includes 18-68 for areas that do not report them separately.
			<u>Puerto Rico</u>			01	White
						02	Black
						00	Other races
			<u>Guam</u>			01	White
						02	Black
						03	American Indian or Alaskan Natives
						04	Chinese
						05	Japanese
						06	Hawaiian (includes part Hawaiian)
						07	Filipino
						08	Other Asian or Pacific Islander
						58	Guamanian
			<u>All other Territories</u>			01	White
						02	Black
						03	American Indian or Alaskan Natives
						04	Chinese

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R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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c Item is sharing flag with a comparable reporting area because a unique flag did not already exist.

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						05	Japanese
						06	Hawaiian (includes part Hawaiian)
						07	Filipino
						08	Other Asian or Pacific Islander
143	1	MRACEREC	Mother's Race Recode		U,R		
			<u>United States and non-Puerto Rican Territories</u>			1	White
						2	Black
						3	American Indian / Alaskan Native
						4	Asian / Pacific Islander
			<u>Puerto Rico</u>			1	White
						2	Black
						0	Other (not classified as White or Black)
144	1	MRACEIMP	Mother's Race Imputed		U,R	Blank	Mother's race not imputed
						1	Unknown race imputed
						2	All other races, formerly coded 09, imputed.
145-147	3	FILLER	Filler				
148	1	UMHISP	Mother's Hispanic Origin				
				569	U,R	0	Non-Hispanic
						1	Mexican
						2	Puerto Rican
						3	Cuban
						4	Central or South American
						5	Other and Unknown Hispanic
						9	Origin unknown or not stated
149	1	MRACEHISP	Mother's Race/Hispanic Origin				
				569	U,R	1	Mexican
						2	Puerto Rican
						3	Cuban
						4	Central or South American
						5	Other and Unknown Hispanic
						6	Non-Hispanic White
						7	Non-Hispanic Black
						8	Non-Hispanic Other Races
						9	Origin unknown or not stated

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
150-151	2	FILLER	Filler				
152	1	MAR_P	Paternity Acknowledged	653	R	Y N U X	Yes No Unknown Not Applicable
153	1	MAR	Mother's Marital Status	652	U,R		
			<u>United States & all non-Puerto Rican Territories</u>			1 2 9	Yes No Unknown or not Stated
			<u>Puerto Rico</u>			1 2 3 9	Yes Unmarried parents living together Unmarried parents not living together Unknown or not stated
154	1	MAR_IMP	Mother's Marital Status Imputed		U,R	Blank 1	Marital Status not imputed Marital Status imputed
155	1	MEDUC	Mother's Education –Revised	571	R	1 2 3 4 5 6 7 8 9	8 th grade or less 9 th through 12 th grade with no diploma High school graduate or GED completed Some college credit, but not a degree. Associate degree (AA,AS) Bachelor's degree (BA, AB, BS) Master's degree (MA, MS, MEng, MEd, MSW, MBA) Doctorate (PhD, EdD) or Professional Degree (MD, DDS, DVM, LLB, JD) Unknown
156-174	19	FILLER	Filler				
175	1	FAGERPT_FLG	Father's Reported Age Used		U,R	Blank 1	Father's reported age not used Father's reported age used
176-181	6	FILLER	Filler				
182-183	2	FAGECOMB	Father's Combined Age (Revised)		R	09-98	Father's combined age in years

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U 1989 Version of US Standard Birth Certificate

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

c Item is sharing flag with a comparable reporting area because a unique flag did not already exist.

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition	
						c571	99	Unknown or not stated
184-185	2	UFAGECOMB	Father's Combined Age (Unrevised)		U	10-98 99	Father's combined age in years Unknown or not stated	
186-187	2	FAGEREC11	Father's Age Recode 11		U,R	01 02 03 04 05 06 07 08 09 10 11	Under 15 years 15-19 years 20-24 years 25-29 years 30-34 years 35-39 years 40-44 years 45-49 years 50-54 years 55-98 years Not stated	
188-189	2	FBRACE	Father's Bridged Race <u>United States and non Puerto Rican Territories</u> Includes only states reporting multiple race. Codes 01-14 used for individuals reporting only one race. Codes 21-24 used for individuals reporting more than one race that have been bridged to a single race. Code 24 also used for individuals reporting more than one Asian/Pacific Islander group.		R,u	01 02 03 04 05 06 07 08 09 10 11 12 13 14 21 22 23 24 99 Blank	White – single race Black – single race American Indian – single race Asian Indian – single race Chinese – single race Filipino – single race Japanese – single race Korean – single race Vietnamese – single race Other Asian – single race Hawaiian – single race Guamanian – single race Samoan – single race Other Pacific Islander – single race White – bridged multiple race Black – bridged multiple race American Indian & Alaskan Native – bridged multiple race Asian / Pacific Islander – bridged multiple race Unknown or not stated, also includes states not reporting multiple race Not on certificate	
			<u>Puerto Rico</u>			01	White	

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						02	Black
						00	Other
						99	Unknown or not stated
190	1	FILLER	Filler				
191	1	FRACEREC	Father's Race Recode		U,R		
			<u>United States and non-Puerto Rican Territories</u>			1	White
						2	Black
						3	American Indian or Alaskan Native
						4	Asian or Pacific Islander
						9	Unknown or not stated
			<u>Puerto Rico</u>			1	White
						2	Black
						9	Unknown or not stated
						0	Other (not classified as White or Black)
192-194	3	FILLER	Filler				
195	1	UFHISP	Father's Hispanic Origin	570	U,R	0	Non-Hispanic
						1	Mexican
						2	Puerto Rican
						3	Cuban
						4	Central or South American
						5	Other and Unknown Hispanic
						9	Origin unknown or not stated
196	1	FRACEHISP	Father's Race/Hispanic Origin	570	U,R	1	Mexican
						2	Puerto Rican
						3	Cuban
						4	Central or South American
						5	Other and Unknown Hispanic
						6	Non-Hispanic White
						7	Non-Hispanic Black
						8	Non-Hispanic Other Races
						9	Origin unknown or not stated
197	1	FEDUC	Father's Education	572	R	1	8 th grade or less
						2	9 th through 12 th grade with no diploma

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						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
198	1	FILLER	Filler				
199-200	2	UFRACE	Father's Race (Unrevised)		U		
			<u>United States</u>			01	White
						02	Black
						03	American Indian & Alaskan Natives
						04	Chinese
						05	Japanese
						06	Hawaiian (includes part Hawaiian)
						07	Filipino
						18	Asian Indian
						28	Korean
						38	Samoan
						48	Vietnamese
						58	Guamanian
						68	Other Asian or Pacific Islander in areas reporting codes 18-58.
						78	Combined other Asian or Pacific Islander, includes 18-68 for areas that do not report them separately.
						99	Unknown or not stated
			<u>Puerto Rico</u>			01	White
						03	Black
						00	Other races not classified white or black
						99	Unknown or not stated
			<u>Guam</u>			01	White
						02	Black
						03	American Indian & Alaskan Natives
						04	Chinese

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

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U 1989 Version of US Standard Birth Certificate

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

c Item is sharing flag with a comparable reporting area because a unique flag did not already exist.

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						05	Japanese
						06	Hawaiian (includes part Hawaiian)
						07	Filipino
						08	Other Asian or Pacific Islander
						58	Guamanian
						99	Unknown or not stated
			<u>All other Territories</u>			01	White
						02	Black
						03	American Indian & Alaskan Natives
						04	Chinese
						05	Japanese
						06	Hawaiian (includes part Hawaiian)
						07	Filipino
						08	Other Asian or Pacific Islander
						99	Unknown or not stated
201-207	7	FILLER	Filler				
208-209	2	PRIORTERM	Prior Other Terminations		U,R	00-30	Number other terminations
						99	Unknown or not stated
210-211	2	FILLER	Filler				
212	1	LBO_REC	Live Birth Order Recode		U,R	1-7	Number of live birth order.
						8	8 or more live births
						9	Unknown or not stated
213-216	4	FILLER	Filler				
217	1	TBO_REC	Total Birth Order Recode		U,R	1-7	Number of total birth order.
						8	8 or more total births
						9	Unknown or not stated
218-244	27	FILLER	Filler				
245-246	2	PRECARE	Month Prenatal Care Began (Revised)				
			668		R	00	No prenatal care
						01-10	Month prenatal care began
						99	Unknown or not stated

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
247	1	PRECARE_REC	Month Prenatal Care Began Recode (Revised)	668	R	1 2 3 4 5	1 st to 3 rd month 4 th to 6 th month 7 th to final month No prenatal care Unknown or not stated
248-269	22	FILLER	Filler				
270-271	2	UPREVIS	Number of Prenatal Visits	671	U,R	00-49 99	Number of prenatal visits Unknown or not stated
272-273	2	PREVIS_REC	Number of Prenatal Visits Recode	671	U,R	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
274-275	2	FILLER	Filler				
276-277	2	WTGAIN	Weight Gain	648	U,R	00-97 98 99	Weight gain in pounds 98 pounds and over Unknown or not stated
278	1	WTGAIN_REC	Weight Gain Recode	648	U,R	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
279	1	FILLER	Filler				

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition	
280	1	DFPC_IMP	Day of Date First Prenatal Care Imputed		R	Blank 1	Day of date first prenatal care not imputed Day of date first prenatal care imputed	
281	1	WIC	WIC	579	R	Y N U	Yes No Unknown or not stated	
282-283	2	CIG_0	Cigarettes Before Pregnancy	672	R	00-97 98 99	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated	
284-285	2	CIG_1	Cigarettes 1st Trimester	575	R	00-97 98 99	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated	
286-287	2	CIG_2	Cigarettes 2nd Trimester	575	R	00-97 98 99	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated	
288-289	2	CIG_3	Cigarettes 3rd Trimester	575	R	00-97 98 99	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated	
290-293	4	FILLER	Filler					
294	1	CIG_REC	Cigarette Recode (Revised)	575	R	Y N U	Yes No Unknown or not stated	
295-312	18	FILLER	Filler					
313-321	9	<u>Risk Factors (Revised)</u>			R	Y N U	Yes No Unknown or not stated	
		The checkbox items indented below follow this code structure:						
313	1	RF_DIAB	Prepregnancy Diabetes	582				
314	1	RF_GEST	Gestational Diabetes	583				
315	1	RF_PHYP	Prepregnancy Hypertension	584				
316	1	RF_GHYP	Gestational Hypertension	585				
317	1	RF_ECLAM	Hypertension Eclampsia	586				

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

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
318	1	RF_PPTERM	Previous Preterm Birth	587			
319	1	RF_PPOUTC	Poor Pregnancy Outcome	588			
320	1	FILLER	Filler				
321	1	RF_INFTR	Infertility Treatment	590			
322	1	RF_FEDRG	Fertility Enhancing Drugs	591	R	Y N X U	Yes No Not applicable Unknown or not stated
323	1	RF_ARTEC	Asst. Reproductive Technology	592	R	Y N X U	Yes No Not applicable Unknown or not stated
324	1	RF_CESAR	Previous Cesareans	593	R	Y N U	Yes No Unknown or not stated
325-326	2	RF_CESARN	Previous Cesareans Num	594	R	00 01-30 99	None Number of previous cesareans Unknown or not stated
327-330	4	FILLER	Filler				
331-337	7	<u>Risk Factors</u>			U,R		
			The checkbox items indented below follow this structure:			1 2 9	Yes No Unknown
331	1	URF_DIAB	Diabetes	684			
332-334	3	FILLER	Filler				
335	1	URF_CHYPER	Cronic Hypertension	688			
336	1	URF_PHYPER	Prepregnacny Associated Hypertension	689			
337	1	URF_ECLAM	Eclampsia	690			
338-344	7	FILLER	Filler				
345-350	6	<u>Infections Present</u>			R		
			The checkbox items indented below follow this structure:			Y N U	Yes No Unknown or not stated

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

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c Item is sharing flag with a comparable reporting area because a unique flag did not already exist.

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
345	1	IP_GONN	Gonorrhea	595			
346	1	IP_SYPH	Syphillis	596			
347	1	FILLER	Filler				
348	1	IP_CHLAM	Chlamydia	598			
349	1	IP_HEPB	Hepatitis B	599			
350	1	IP_HEPC	Hepatitis C	600			
351-354	4	<u>Obstetric Procedures (Revised)</u>			R		
		The checkbox items indented below follow this structure:				Y	Yes
						N	No
351	1	OP_CERV	Cervical Cerclage	601		U	Unknown or not stated
352	1	OP_TOCOL	Tocolysis	602			
353	1	OP_ECVS	Successful External Cephalic Version	603			
354	1	OP_ECVF	Failed External Cephalic Version	604			
355-356	2	FILLER	Filler				
357-359	3	<u>Obstetric Procedures</u>			U,R		
		The checkbox items indented below follow this structure:				1	Yes
						2	No
357	1	UOP_INDUC	Induction of Labor	703		8	Not on certificate
358	1	FILLER	Filler			9	Unknown or not stated
359	1	UOP_TOCOL	Tocolysis	705			
360-361	2	FILLER	Filler				
362-364	3	<u>Onset of Labor</u>			R		
		The checkbox items indented below follow this structure:				Y	Yes
						N	No
						U	Unknown or not stated
362	1	ON_RUPTR	Premature Rupture of Membrane	605			
363	1	ON_PRECIP	Precipitous Labor	606			
364	1	ON_PROL	Prolonged Labor	607			
365-373	9	<u>Characteristics of Labor and Delivery (Revised)</u>			R		
		The checkbox items indented below follow this structure:				Y	Yes
						N	No
						U	Unknown or not stated
365	1	LD_INDL	Induction of Labor	608			
366	1	LD_AUGM	Augmentation of Labor	609			
367	1	FILLER	Filler				
368	1	LD_STER	Steroids	611			

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
369	1	LD_ANTI	Antibiotics	612			
370	1	LD_CHOR	Chorioamnionitis	613			
371	1	LD_MECS	Meconium Staining	614			
372	1	LD_FINT	Fetal Intolerance	615			
373	1	LD_ANES	Anesthesia	616			
374	1	FILLER	Filler				
375-384	10	<u>Complications of Labor and Delivery</u>			U,R		
		The checkbox items indented below follow this structure:				1	Yes
						2	No
375	1	ULD_MECO	Meconium	712		8	Not on certificate
376-380	5	FILLER	Filler			9	Unknown or not stated
381	1	ULD_PRECIP	Precipitous Labor	718			
382-383	2	FILLER	Filler				
384	1	ULD_BREECH	Breech	721			
385-391	7	FILLER	Filler				
392-394	3	<u>Method of Delivery (Revised)</u>					
392	1	ME_PRES	Fetal Presentation	619	R	1	Cephalic
						2	Breech
						3	Other
						9	Unknown or not stated
393	1	ME_ROUT	Route & Method of Delivery	620	R	1	Spontaneous
						2	Forceps
						3	Vacuum
						4	Cesarean
						9	Unknown or not stated
394	1	ME_TRIAL	Trial of Labor Attempted	621	R	Y	Yes
						N	No
						X	Not applicable
						U	Unknown or not stated
395-398	4	FILLER	Filler				
399-400	2	<u>Method of Delivery (Unrevised)</u>					

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition	
			The checkbox items indented below follow this structure:				1	Yes
							2	No
							9	Unknown or not stated
399	1	UME_FORCP	Forceps	734	U,R			
400	1	UME_VAC	Vacuum	735	U,R			
401	1	RDMETH_REC	Delivery Method Recode (Revised)	679	R	1	Vaginal (excludes vaginal after previous C-section)	
						2	Vaginal after previous c-section	
						3	Primary C-section	
						4	Repeat C-section	
						5	Vaginal (unknown if previous c-section) (2003 Standard only)	
						6	C-section (unknown if previous c-section) (2003 Standard Only)	
						9	Not stated	
402	1	FILLER	Filler					
403	1	DMETH_REC	Delivery Method Recode Combined		U,R	1	Vaginal	
						2	C-Section	
						9	Unknown	
404-409	6	<u>Maternal Morbidity</u>			R	Y	Yes	
		The checkbox items indented below follow this structure:				N	No	
						U	Unknown or not stated	
404	1	MM_MTR	Maternal Transfusion	622				
405	1	MM_PLAC	Perineal Laceration	623				
406	1	MM_RUPT	Ruptured Uterus	624				
407	1	MM_UHYST	Unplanned Hysterectomy	625				
408	1	MM_ICU	Admit to Intensive Care	626				
409	1	MM_UOPER	Unplanned Operation	627				
410	1	ATTEND	Attendant		U,R	1	Doctor of Medicine (MD)	
						2	Doctor of Osteopathy (DO)	
						3	Certified Nurse Midwife (CNM)	
						4	Other Midwife	
						5	Other	
						9	Unknown or not stated	

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
411	1	MTRAN	Mother Transferred	c571	R	Y N U	Yes No Unknown
412	1	PAY	Payment Source	580	R	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
413	1	PAYR	Payment Recode	678	R	1 2 3 4 9	Medicaid Private Insurance Self Pay Other Unknown
414	1	FILLER	Filler				
415	2	APGAR5	Five Minute APGAR Score	574	U,R	00-10 99	A score of 0-10 Unknown or not stated
417	1	APGAR5R	Five Minute APGAR Recode	574	U,R	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
418	2	APGAR10	Ten Minute APGAR Score	c579	R	00-10 88 99	A score of 0-10 Not applicable Unknown or not stated
420	1	APGAR10R	Ten Minute APGAR Recode	c579	R	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

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
421-422	2	FILLER	Filler				
423	1	DPLURAL	Plurality Recode		U,R	1 2 3 4 5	Single Twin Triplet Quadruplet Quintuplet or higher
424	1	FILLER	Filler				
425	1	IMP_PLUR	Plurality Imputed		U,R	Blank 1	Plurality is imputed Plurality is not imputed
426-435	10	FILLER	Filler				
436	1	SEX	Sex of Infant		U,R	M F	Male Female
437	1	IMP_SEX	Imputed Sex		U,R	Blank 1	Infant Sex not Imputed Infant Sex is Imputed
438-439	2	DLMP_MM	Last Normal Menses Month		U,R	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
440-441	2	FILLER	Filler				
442-445	4	DLMP_YY	Year of Last Normal Menses Began		U,R	nnnn 9999	Year of last normal menses Unknown or not stated

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
446-447	2	ESTGEST	Obstetric/Clinical Gestation Est.	573	U,R	17-47 99	17 th through 47 th week of gestation Unknown or not stated
448-450	3	FILLER	Filler				
451-452	2	COMBGEST	Gestation – Detail in Weeks	670	U,R	17-47 99	17 th through 47 th week of Gestation Unknown
453-454	2	GESTREC10	Gestation Recode 10		U,R	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
455	1	GESTREC3	Gestation Recode 3		U,R	1 2 3	Under 37 weeks 37 weeks and over Not stated
456	1	OBGEST_FLG	Clinical Estimate of Gestation Used Flag		U,R	Blank 1	Clinical Estimate is not used Clinical Estimate is used
457	1	GEST_IMP	Gestation Imputed Flag		U,R	Blank 1	Gestation is not imputed Gestation is imputed
458-466	9	FILLER	Filler				
467-470	4	BRTHWGT	Imputed Birth Weight		U,R	0227-8165 9999	Number of grams Not stated birth weight
471-472	2	BWTR14	Birth Weight Recode 14		U,R	01 02 03 04 05	227- 499 grams 500 – 749 grams 750 - 999 grams 1000 - 1249 grams 1250 – 1499 grams

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						06	1500 – 1999 grams
						07	2000 – 2499 grams
						08	2500 – 2999 grams
						09	3000 – 3400 grams
						10	3500 – 3999 grams
						11	4000 – 4499 grams
						12	4500 – 4999 grams
						13	5000 – 8165 grams
						14	Not Stated
473	1	BWTR4	Birth Weight Recode 4		U,R	1	227- 1499 grams
						2	1500 – 2499 grams
						3	2500 - 8165 grams
						4	Unknown or not stated
474	1	FILLER	Filler				
475	1	BWTIMP	Imputed Birth Weight Flag		U,R	Blank	Birth Weight is not imputed
						1	Birth Weight is imputed
476-482	7	<u>Abnormal Conditions of the Newborn (Revised)</u>			R		
		The checkbox items indented below follow this structure:				Y	Yes, Complication reported
						N	No Complication reported
						U	Unknown or not stated
						Blank	Not on Certificate
476	1	AB_AVEN1	Assisted Ventilation	628			
477	1	AB_AVEN6	Assisted Ventilation > 6 hrs	629			
478	1	AB_NICU	Admission to NICU	630			
479	1	AB_SURF	Surfactant	631			
480	1	AB_ANTI	Antibiotics	632			
481	1	AB_SEIZ	Seizures	633			
482	1	AB_BINJ	Birth Injury	634			
483-491	9	FILLER	Filler				
492-503	12	<u>Congenital Anomalies of the Newborn (Revised)</u>			R		
		The checkbox items indented below follow this structure:				Y	Yes, anomaly reported
						N	No, anomaly not reported
						U	Unknown
						Blank	Not on certificate
492	1	CA_ANEN	Anencephaly	635			
493	1	CA_MNSB	Meningocele / Spina Bifida	636			
494	1	CA_CCHD	Cyanotic Congenital Heart Disease	637			

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
495	1	CA_CDH	Congenital Diaphragmatic Hernia	638			
496	1	CA_OMPH	Omphalocele	639			
497	1	CA_GAST	Gastrochisis	640			
498	1	CA_LIMB	Limb Reduction Defect	641			
499	1	CA_CLEFT	Cleft Lip w/ or w/o Cleft Palate	642			
500	1	CA_CLPAL	Cleft Palate alone	643			
501	1	CA_DOWN	Downs Syndrome	644	R	C P N U Blank	Confirmed Pending No Unknown Not on certificate
502	1	CA_DISOR	Suspected Chromosomal Disorder	645	R	C P N U Blank	Confirmed Pending No Unknown Not on certificate
503	1	CA_HYPO	Hypospadias	646	R	Y N U Blank	Yes, anomaly reported No, anomaly not reported Unknown Not on certificate
504-523	20	<u>Congenital Anomalies of the Newborn</u> The checkbox items indented below follow this structure:			U,R	1 2 9 Blank	Anomaly reported Anomaly not reported Anomaly not classifiable Not on certificate
504	1	UCA_ANEN	Anencephalus	752			
505	1	UCA_SPINA	Spina Bifida / Meningocele	753			
506-512	7	FILLER	Filler				
513	1	UCA_OMPHA	Omphalocele / Gastroschisis	760			
514-517	4	FILLER	Filler				
518	1	UCA_CELFTLP	Cleft Lip / Palate	765			
519-520	2	FILLER	Filler				
521	1	UCA_HERNIA	Diaphragmatic Hernia	769			
522	1	FILLER	Filler				
523	1	UCA_DOWNS	Downs Syndrome	771			

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
524-525	2	FILLER	Filler				
526	1	ITRAN	Infant Transferred	c571	R	Y N U	Yes No Unknown or not stated
527	1	ILIVE	Infant Living at Time of Report	c571	R	Y N U	Yes No Unknown or not stated
528	1	BFED	Infant Being Breastfed	581	R	Y N U	Yes No Unknown or not stated
529-532	4	FILLER	Filler				
533	1	BMI_R	Body Mass Index Recode (prepregnancy)	576	R	1 2 3 4 5 6 9	Underweight <18.5 Normal 18.5-24.9 Overweight 25.0-29.9 Obesity I 30.0-34.9 Obesity II 35.0-39.9 Extreme Obesity III ≥40 Unknown or not stated
534-536	3	ILLB_R	Interval of Last Live Birth Recode	c571	R	000-003 004-300 888 999	Plural delivery Months since last live birth Not applicable / 1 st live birth Unknown or not stated
537-538	2	ILLB_R11	Interval of Last Live Birth Recode 11	c571	R	00 01 02 03 04 05 06 07 08 88 99	Zero to 3 months (plural delivery) 4-11 months 12-17 months 18-23 months 24-35 months 36-47 months 48-59 months 60-71 months 72 months and over Not applicable (1 st live birth) Unknown or not stated

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
539-541	3	ILOP_R	Interval of Last Other Pregnancy c571		R	000-003 004-300 888 999	Plural delivery Months since last live birth Not applicable / 1 st natality event Unknown or not stated
542-543	2	ILOP	Interval of Last Other Pregnancy Recode 11 c571		R	00 01 02 03 04 05 06 07 08 88 99	Zero to 3 months (plural delivery) 4-11 months 12-17 months 18-23 months 24-35 months 36-47 months 48-59 months 60-71 months 72 months and over Not applicable (1 st natality event) Unknown or not stated
544-546	3	ILP	Interval of Last Pregnancy c571		R	000-003 004-300 888 999	Plural delivery Months since last live birth Not applicable / no previous pregnancy Unknown or not stated
547-548	2	ILP_R11	Interval of Last Pregnancy Recode 11 c571		R	00 01 02 03 04 05 06 07 08 88 99	Zero to 3 months (plural delivery) 4-11 months 12-17 months 18-23 months 24-35 months 36-47 months 48-59 months 60-71 months 72 months and over Not applicable (no previous pregnancy) Unknown or not stated
549-551	3	PWgt_R	Pre-pregnancy Weight Recode 577		R	075-375 999	Weight in pounds Unknown or not stated
552-554	3	DWgt_R	Delivery Weight Recode 578		R	100-400 999	Weight in pounds Unknown or not stated

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
555-556	2	M_Ht_In	Mother's Height in Inches	576	R	30-78 99	Height in inches Unknown or not stated
557	1	SetOrder_R	Set Order Recode	c571	R	1 2 3 4 5 9	1 st 2 nd 3 rd 4 th 5 th to 16 th Unknown or not stated
558-568	11	FILLER	Filler				
569-771	203	<u>Flag File for Reporting Flags</u>					
		The reporting flags indented below follow this coding structure:				0 1 2 3	Not reported either year Reported both years Reported in 2008/Not reported in 2009 Not reported in 2008/Reported in 2009
569	1	F_MORIGIN	Origin of Mother		U,R		
570	1	F_FORIGIN	Origin of Father		U,R		
571	1	F_MEDUC	Education of Mother		R		
572	1	F_FEDUC	Education of Father		R		
573	1	F_CLINEST	Clinical Estimate of Gestation		U,R		
574	1	F_APGAR5	Five minute APGAR		U,R		
575	1	F_TOBACO	Tobacco use		R		
576	1	F_M_HT	Mother's Height		R		
577	1	F_PWGT	Prepregnancy Weight		R		
578	1	F_DWGT	Weight at Delivery		R		
579	1	F_WIC	WIC		R		
580	1	F_PAY	Source of Payment		R		
581	1	F_BFED	Breastfed at Discharge		R		
582	1	F_RF_PDIAB	Prepregnancy Diabetes		R		
583	1	F_RF_GDIAB	Gestational Diabetes		R		
584	1	F_RF_PHYPER	Prepregnancy Hypertension		R		
585	1	F_RF_GHYPER	Gestational Hypertension		R		
586	1	F_RF_ECLAMP	Hypertension Eclampsia		R		
587	1	F_RF_PPB	Previous Preterm Birth		R		
588	1	F_RF_PPO	Poor Pregnancy outcomes		R		
589	1	FILLER	Filler				
590	1	F_RF_INFT	Infertility Treatment		R		

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
591	1	F_RF_INFT_DRG	Fertility Enhance Drugs		R		
592	1	F_RF_INF_ART	Reproductive Technology		R		
593	1	F_RF_CESAR	Previous Cesarean		R		
594	1	F_RF_NCESAR	Number of Previous Cesareans		R		
595	1	F_IP_GONOR	Gonorrhea		R		
596	1	F_IP_SYPH	Syphilis		R		
597	1	FILLER	Filler				
598	1	F_IP_CHLAM	Chlamydia		R		
599	1	F_IP_HEPATB	Hepatitis B		R		
600	1	F_IP_HEPATC	Hepatitis C		R		
601	1	F_OB_CERVIC	Cervical Cerclage		R		
602	1	F_OB_TOCO	Tocolysis		R		
603	1	F_OB_SUCC	Successful External Cephalic Version		R		
604	1	F_OB_FAIL	Failed External Cephalic Version		R		
605	1	F_OL_RUPTURE	Premature Rupture of the Membranes		R		
606	1	F_OL_PRECIP	Precipitous Labor		R		
607	1	F_OL_PROLONG	Prolonged Labor		R		
608	1	F_LD_INDUCT	Induction of Labor		R		
609	1	F_LD_AUGMENT	Augmentation of Labor		R		
610	1	FILLER	Filler				
611	1	F_LD_STERIODS	Steroids		R		
612	1	F_LD_ANTIBIO	Antibiotics		R		
613	1	F_LD_CHORIO	Chorioamnionitis		R		
614	1	F_LD_MECON	Meconium Staining		R		
615	1	F_LD_FINTOL	Fetal Intolerance		R		
616	1	F_LD_ANESTH	Anesthesia		R		
617-8	2	FILLER	Filler				
619	1	F_MD_PRESENT	Fetal Presentation		R		
620	1	F_MD_ROUTE	Final Route and Method of Delivery		R		
621	1	F_MD_TRIAL	Trial of Labor Attempted		R		
622	1	F_MM_MTRANS	Maternal Transfusion		R		
623	1	F_MM_LACER	Perineal Laceration		R		
624	1	F_MM_RUPTUR	Ruptured Uterus		R		
625	1	F_MM_UHYSTR	Unplanned Hysterectomy		R		
626	1	F_MM_ICU	Admission to Intensive Care		R		
627	1	F_MM_OR	Unplanned Operating Room Procedure		R		
628	1	F_AB_VENT	Assisted Ventilation		R		
629	1	F_AB_VENT6	Assisted Ventilation >6 hrs		R		
630	1	F_AB_NIUC	Admission to NICU		R		
631	1	F_AB_SURFAC	Surfactant		R		

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
632	1	F_AB_ANTIBIO	Antibiotics		R		
633	1	F_AB_SEIZ	Seizures		R		
634	1	F_AB_INJ	Birth Injury		R		
635	1	F_CA_ANEN	Anencephaly		R		
636	1	F_CA_MENIN	Meningomyelocele/Spina Bifida		R		
637	1	F_CA_HEART	Cyanotic Congenital Heart Disease		R		
638	1	F_CA_HERNIA	Congenital Diaphragmatic Hernia		R		
639	1	F_CA_OMPHA	Omphalocele		R		
640	1	F_CA_GASTRO	Gastroschisis		R		
641	1	F_CA_LIMB	Limb Reduction Defect		R		
642	1	F_CA_CLEFTLP	Cleft Lip with or without Cleft Palate		R		
643	1	F_CA_CLEFT	Cleft Plate Alone		R		
644	1	F_CA_DOWNS	Down Syndrome		R		
645	1	F_CA_CHROM	Suspected Chromosomal Disorder		R		
646	1	F_CA_HYPOS	Hypospadias		R		
647	1	FILLER	Filler				
648	1	F_WTGAIN	Weight Gain		U,R		
649-651	3	FILLER	Filler				
652	1	F_MAR_G	Mother's Marital Status		R		
653	1	F_MAR_P	Paternity Acknowledged		R		
654-667	14	FILLER	Filler				
668	1	F_MPCB	Month Prenatal Care Began		R		
669-670	2	FILLER	Filler				
671	1	F_TPCV	Total Number of Prenatal Visits		U,R		
672	1	F_CIGS_0	Cigarettes before Pregnancy		R		
673	1	F_CIGS_1	Cigarettes 1 st Trimester		R		
674	1	F_CIGS_2	Cigarettes 2 nd Trimester		R		
675	1	F_CIGS_3	Cigarettes 3 rd Trimester		R		
676	1	F_FACILITY	Facility		R		
677	1	FILLER	Filler				
678	1	F_PAY_REC	Payment Recode		R		
679	1	F_RDMETH_REC	Method of Delivery		R		
680-683	4	FILLER	Filler				
684	1	F_URF_DIABETES	Diabetes		U,R		
685-687	3	FILLER	Filler				
688	1	F_URF_CHYPER	Chronic Hypertension		U,R		
689	1	F_URF_PHYPER	Prepregnancy Hypertension		U,R		
690	1	F_URF_ECLAMP	Eclampsia		U,R		
691-702	12	FILLER	Filler				
703	1	F_UOB_INDUCT	Induction		U,R		

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
704	1	FILLER	Filler				
705	1	F_UOB_TOCOL	Tocolysis		U,R		
706-711	6	FILLER	Filler				
712	1	F_ULD_MECONIUM	Meconium		U,R		
713-717	5	FILLER	Filler				
718	1	F_ULD_PRECIP	Precipitous Labor		U,R		
719-720	2	FILLER	Filler				
721	1	F_ULD_BREECH	Breech		U,R		
722-733	12	FILLER	Filler				
734	1	F_U_FORCEP	Forceps		U,R		
735	1	F_U_VACUUM	Vacuum		U,R		
736-751	16	FILLER	Filler				
752	1	F_UCA_ANEN	Anencephalus		U,R		
753	1	F_UCA_SPINA	Spina Bifida		U,R		
754-760	7	FILLER	Filler				
761	1	F_UCA_OMPHALO	Omphalocele/Gastroschisis		U,R		
762-765	4	FILLER	Filler				
766	1	F_UCA_CLEFTLP	Cleft Lip/Palate		U,R		
767-768	2	FILLER	Filler				
769	1	F_UCA_HERNIA	Hernia		U,R		
770	1	FILLER	Filler				
771	1	F_UCA_DOWNS	Downs Syndrome		U,R		
772-867	96	FILLER	Filler				
868	1	FLGND	Flag indicating records in both numerator and denominator file			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 on the next page.

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
869-871	3	FILLER	Filler				
872-874	3	AGED	Age at Death in Days			000-365	Number of days
875	1	AGER5	Infant age recode 5			1 2 3 4 5	Under 1 hour 1 – 23 hours 1 – 6 days 7 – 27 days (late neonatal) 28 days and over (postneonatal)
876-877	2	AGER22	Infant age recode 22			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
878	1	MANNER	Manner of Death			1 2 3 4 5 6	Accident Suicide Homicide Pending investigation Could not determine Self-inflicted

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						7 Blank	Natural Not specified
879	1	DISPO	Method of Disposition			B C O U	Burial Cremation Other Unknown
880	1	AUTOPSY	Autopsy			Y N U	Yes No Unknown
881	1	FILLER	Filler				
882	1	PLACE	Place of injury for causes W00-Y34, except Y06.- and Y07.-			0 1 1 2 3 4 5 6 7 8 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.-
883	1	FILLER	Filler				
884-891		<u>UNDERLYING CAUSE OF DEATH</u>					
884-887	4	UCOD	ICD Code (10 th Revision) See the <u>International Classification of Diseases, 1992</u> Revision, Volume 1.				
888	1	FILLER	Filler				
889-891	3	UCODR130	130 Infant Cause Recode			001-158	Code Range
892	1	FILLER	Filler				

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
893-900	8	RECWT	Record Weight (no weights computed for possessions file)			1.XXXXXXX	
901-902	2	FILLER	Filler				
903-1148	246	<u>MULTIPLE CONDITIONS</u>					
903-904	2	EANUM	Number of Entity-Axis Conditions			00-20	Code range
905-1044	140	ENTITY	Entity-Axis Conditions Space has been provided for a maximum of 20 conditions. Each condition takes 7 positions in the record. The 7 th 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 See ICD-10 for a complete list of codes			
905-911	7		1 st Condition				
912-918	7		2 nd Condition				
919-925	7		3 rd Condition				
926-932	7		4 th Condition				
933-939	7		5 th Condition				
940-946	7		6 th Condition				
947-953	7		7 th Condition				
954-960	7		8 th Condition				
961-967	7		9 th Condition				

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
968-974	7		10 th Condition				
975-981	7		11 th Condition				
982-988	7		12 th Condition				
989-995	7		13 th Condition				
996-1002	7		14 th Condition				
1003-1009	7		15 th Condition				
1010-1016	7		16 th Condition				
1017-1023	7		17 th Condition				
1024-1030	7		18 th Condition				
1031-1037	7		19 th Condition				
1038-1044	7		20 th Condition				
1045-1046	2	FILLER	Filler				
1047-1048	2	RANUM	Number of Record-Axis Conditions			00-20	Code range
1049-1148	100	RECORD	Record-Axis Conditions Space has been provided for a maximum of 20 conditions. Each condition takes 5 positions in the record. The 5 th position will be blank. Records that do not have 20 conditions are blank in the unused area. Positions 1 – 4: Condition Code See ICD-10 for a complete list of codes				
1049-1053	5		1 st Condition				
1054-1058	5		2 nd Condition				
1059-1063	5		3 rd Condition				
1064-1068	5		4 th Condition				
1069-1073	5		5 th Condition				
1074-1078	5		6 th Condition				
1079-1083	5		7 th Condition				
1084-1088	5		8 th Condition				
1089-1093	5		9 th Condition				
1094-1098	5		10 th Condition				
1099-1103	5		11 th Condition				
1104-1108	5		12 th Condition				
1109-1113	5		13 th Condition				
1114-1118	5		14 th Condition				
1119-1123	5		15 th Condition				

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
1124-1128	5		16 th Condition				
1129-1133	5		17 th Condition				
1134-1138	5		18 th Condition				
1139-1143	5		19 th Condition				
1144-1148	5		20 th Condition				
1149-1150	2	FILLER	Filler				
1151	1	D_RESTATUS	<u>Death Resident Status</u>				
			United States Occurrence			1	RESIDENTS State and County of Occurrence and Residence are the same.
						2	INTRASTATE NONRESIDENTS State of Occurrence and Residence are the same, but County is different.
						3	INTERSTATE NONRESIDENTS State of Occurrence and Residence are different, but both are in the U.S.
						4	FOREIGN RESIDENTS State of Occurrence is one of the 50 States or the District of Columbia, but Place of Residence is outside of the U.S.
			Puerto Rico Occurrence			1	RESIDENTS Territory and County-equivalent of Occurrence and Residence are the same.
						2	INTRASTATE NONRESIDENTS Territory of Occurrence and Residence are the same, but County-equivalent is different.
						3	INTERTERRITORY NONRESIDENTS Territory of occurrence and residence are different, but both are a Territory.
						4	FOREIGN RESIDENTS Occurred in Puerto Rico to a resident of any other place.
			Virgin Islands Occurrence			1	RESIDENTS Territory and County-equivalent of Occurrence and Residence are the same.
						2	INTRASTATE NONRESIDENTS

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
							Territory of Occurrence and Residence are the same, but County-equivalent is different.
					3		INTERTERRITORY NONRESIDENTS
					4		Territory of occurrence and residence are different, but both are a Territory. FOREIGN RESIDENTS
			Guam Occurrence		1		RESIDENTS Occurred in Guam to a resident of Guam or to a resident of the U.S.
					3		INTERTERRITORY NONRESIDENTS Territory of occurrence and residence are different, but both are a Territory.
					4		FOREIGN RESIDENTS Occurred in Guam to a resident of any place other than Guam or the U.S.
1152-1153	2	STOCCFIPD	<u>State of Occurrence (FIPS) of Death</u> (This item is available in the territory file only, geography codes are not available in the US file.)			PR VI GU	Puerto Rico Virgin Islands Guam
1154-1156	3	CNTOCFIPD	<u>County of Occurrence (FIPS) of Death</u> 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. (This item is available in the territory file only, geography codes are not available in the US file.)			001-nnn	Code range
1157-1159	3	FILLER	Filler				
1160-1161	2	STRESFIPD	<u>State of Residence (FIPS)</u> (This item is available in the territory file only, geography codes are not available in the US file.)				

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
			Territories			PR VI GU	Puerto Rico Virgin Islands Guam
			Foreign residents			CC MX CU YY	Canada Mexico Cuban Remainder of world
			Puerto Rico Occurrence			PR US,ZZ	Puerto Rico Foreign residents
			Virgin Islands Occurrence			VI US, ZZ	Virgin Islands Foreign residents
			Guam Occurrence			GU US ZZ	Guam U.S. resident. Also considered a resident of Guam. Foreign residents
1162-1163	2	FILLER	Filler				
1164-1165	2	DRCNTY	<u>State/Country of Residence of Death Recode</u> (This item is available in the territory file only, geography codes are not available in the US file.)				
			Territorial residents			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 US,ZZ	Puerto Rico Foreign residents
			Virgin Islands Occurrence			VI US,ZZ	Virgin Islands Foreign residents

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
			Guam Occurrence			GU US ZZ	Guam U.S. resident. Also considered a resident of Guam. Foreign residents
1166-1168	3	CNTYRFPD	<u>County of Residence (FIPS) of Death</u> This item is available in the territory file only, geography codes are not available in the US file.			000 001-999	Foreign residents Code range County less than 250,000 population
1169-1181	13	FILLER	Filler				
1182	1	CNTRSPPD	<u>Population Size of County of Residence of Death</u> This item is available in the territory file only, geography codes are not available in the US file.			0 1 2 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 less than 250,000 Foreign residents
1183-1185	3	FILLER	Filler				
1186	1	HOSPPD	<u>Place of Death and Decedent's Status</u>			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
1187	1	WEEKDAYD	<u>Day of Week of Death</u>			1 2 3 4 5 6 7 9	Sunday Monday Tuesday Wednesday Thursday Friday Saturday Unknown

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
1188-1191	4	DTHYR	<u>Death Year</u>			2013	2013
1192-1257	66	FILLER	Filler				
1258-1259	2	DOD_MM	<u>Month of Death</u>			01 02 03 04 05 06 07 08 09 10 11 12	January February March April May June July August September October November December

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ST: 1 = Subtotal Limited: Sex: 1 = Males; 2 = Females
 Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over
 4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over
 7 = 10 years and over

***** Cause Subtotals are not identified in this file *****

130	S Limited		
Recode	T	Sex Age Cause	Title and ICD-10 Codes Included
001	1		Certain infectious and parasitic diseases (A00-B99)
002			Certain intestinal infectious diseases (A00-A08)
003			Diarrhea and gastroenteritis of infectious origin (A09)
004			Tuberculosis (A16-A19)
005			Tetanus (A33,A35)
006			Diphtheria (A36)
007			Whooping cough (A37)
008			Meningococcal infection (A39)
009	3		Septicemia (A40-A41)
010			Congenital syphilis (A50)
011			Gonococcal infection (A54)
012	1		Viral diseases (A80-B34)
013			Acute poliomyelitis (A80)
014			Varicella (chickenpox) (B01)
015			Measles (B05)
016			Human immunodeficiency virus (HIV) disease (B20-B24)
017			Mumps (B26)
018			Other and unspecified viral diseases (A81-B00,B02-B04,B06-B19,B25,B27-B34)
019			Candidiasis (B37)
020			Malaria (B50-B54)
021			Pneumocystosis (B59)
022			All other and unspecified infectious and parasitic diseases (A20-A32,A38,A42-A49,A51-A53,A55-A79,B35-B36,B38-B49,B55-B58,B60-B99)
023	1		Neoplasms (C00-D48)
024	1		Malignant neoplasms (C00-C97)
025			Hodgkin's disease and non-Hodgkin's lymphomas (C81-C85)
026			Leukemia (C91-C95)
027			Other and unspecified malignant neoplasms (C00-C80,C88,C90,C96-C97)
028			In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)
029	1		Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)
030			Anemias (D50-D64)
031			Hemorrhagic conditions and other diseases of blood and blood-forming organs (D65-D76)
032			Certain disorders involving the immune mechanism (D80-D89)
033	1		Endocrine, nutritional and metabolic diseases (E00-E88)
034			Short stature, not elsewhere classified (E34.3)
035			Nutritional deficiencies (E40-E64)
036			Cystic fibrosis (E84)
037	3		Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)
038			All other endocrine, nutritional and metabolic diseases (E00-E32,E34.0-E34.2,E34.4-E34.9,E65-E83,E85,E88)
039	1		Diseases of the nervous system (G00-G98)
040			Meningitis (G00,G03)
041			Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) (G12.0)
042			Infantile cerebral palsy (G80)
043			Anoxic brain damage, not elsewhere classified (G93.1)
044			Other diseases of nervous system (G04,G06-G11,G12.1-G12.9,G20-G72,G81-G92,G93.0,G93.2-G93.9,G95-G98)
045			Diseases of the ear and mastoid process (H60-H93)
046	1		Diseases of the circulatory system (I00-I99)
047			Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)
048			Pericarditis, endocarditis and myocarditis (I30,I33,I40)
049			Cardiomyopathy (I42)
050			Cardiac arrest (I46)
051			Cerebrovascular diseases (I60-I69)
052			All other diseases of circulatory system (I00-I25,I31,I34-I38,I44-I45,I47-I51, I70-I99)
053	1		Diseases of the respiratory system (J00-J98)
054			Acute upper respiratory infections (J00-J06)
055	1		Influenza and pneumonia (J10-J18)

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***** Cause Subtotals are not identified in this file *****

130 S Limited

Recode T Sex Age Cause Title and ICD-10 Codes Included

108 All other infections specific to the perinatal period (P35,P37,P39)
 109 1 Hemorrhagic and hematological disorders of newborn (P50-P61)
 110 Neonatal hemorrhage (P50-P52,P54)
 111 Hemorrhagic disease of newborn (P53)
 112 Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice
 (P55-P59)
 113 Hematological disorders (P60-P61)
 114 Syndrome of infant of a diabetic mother and neonatal diabetes mellitus
 (P70.0-P70.2)
 115 Necrotizing enterocolitis of newborn (P77)
 116 Hydrops fetalis not due to hemolytic disease (P83.2)
 117 Other perinatal conditions (P29,P70.3-P70.9,P71-P76,P78-P81,P83.0-P83.1,
 P83.3-P83.9,P90-P96)
 118 1 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
 119 Anencephaly and similar malformations (Q00)
 120 Congenital hydrocephalus (Q03)
 121 Spina bifida (Q05)
 122 Other congenital malformations of nervous system (Q01-Q02,Q04,Q06-Q07)
 123 Congenital malformations of heart (Q20-Q24)
 124 Other congenital malformations of circulatory system (Q25-Q28)
 125 Congenital malformations of respiratory system (Q30-Q34)
 126 Congenital malformations of digestive system (Q35-Q45)
 127 Congenital malformations of genitourinary system (Q50-Q64)
 128 Congenital malformations and deformations of musculoskeletal system, limbs and
 integument (Q65-Q85)
 129 Down's syndrome (Q90)
 130 Edward's syndrome (Q91.0-Q91.3)
 131 Patau's syndrome (Q91.4-Q91.7)
 132 Other congenital malformations and deformations (Q10-Q18,Q86-Q89)
 133 Other chromosomal abnormalities, not elsewhere classified (Q92-Q99)
 134 1 Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere
 classified (R00-R99)
 135 Sudden infant death syndrome (R95)
 136 Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere
 classified (R00-R53,R55-R94,R96-R99)
 137 All other diseases (Residual) (F01-F99,H00-H57,L00-M99)
 138 1 External causes of mortality (*U01,V01-Y84)
 139 1 Accidents (unintentional injuries) (V01-X59)
 140 1 Transport accidents (V01-V99)
 141 Motor vehicle accidents (V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2,
 V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1,V82.0-V82.1,V83-V86,
 V87.0-V87.8,V88.0-V88.8,V89.0,V89.2)
 142 Other and unspecified transport accidents
 (V01,V05-V06,V09.1,V09.3-V09.9,V10-V11,V15-V18,V19.3,
 V19.8-V19.9,V80.0-V80.2,V80.6-V80.9,V81.2-V81.9,V82.2-V82.9,
 V87.9,V88.9,V89.1,V89.3,V89.9,V90-V99)
 143 Falls (W00-W19)
 144 Accidental discharge of firearms (W32-W34)
 145 Accidental drowning and submersion (W65-W74)
 146 Accidental suffocation and strangulation in bed (W75)
 147 Other accidental suffocation and strangulation (W76-W77,W81-W84)
 148 Accidental inhalation and ingestion of food or other objects causing obstruction
 of respiratory tract (W78-W80)
 149 Accidents caused by exposure to smoke, fire and flames (X00-X09)
 150 Accidental poisoning and exposure to noxious substances (X40-X49)
 151 Other and unspecified accidents (W20-W31,W35-W64,W85-W99,X10-X39,X50-X59)
 152 1 Assault (homicide) (*U01,X85-Y09)
 153 Assault (homicide) by hanging, strangulation and suffocation (X91)
 154 Assault (homicide) by discharge of firearms (*U01.4,X93-X95)
 155 Neglect, abandonment and other maltreatment syndromes (Y06-Y07)
 156 Assault (homicide) by other and unspecified means
 (*U01.0-*U01.3,*U01.5-*U01.9,X85-X90,X92,X96-X99,Y00-Y05,Y08-Y09)
 157 Complications of medical and surgical care (Y40-Y84)

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, 2013 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	3940764	3932181	23242	23224	23465	23446
Alabama	56727	58167	501	500	501	500
Alaska	11345	11446	59	66	59	66
Arizona	86538	85600	452	445	456	449
Arkansas	36804	37832	282	296	283	297
California	495571	494705	2303	2311	2346	2354
Colorado	65529	65007	356	332	357	333
Connecticut	36851	36085	167	173	167	173
Delaware	11201	10831	71	69	71	69
Dist of Columbia	14157	9288	98	62	98	62
Florida	215657	215407	1328	1322	1328	1322
Georgia	130150	128748	903	896	906	899
Hawaii	18976	18987	122	121	122	121
Idaho	22008	22383	114	125	115	126
Illinois	153325	156931	881	936	881	937
Indiana	83982	83102	589	598	593	602
Iowa	38790	39094	145	165	146	166
Kansas	39777	38839	239	252	239	252
Kentucky	53438	55686	315	352	319	356
Louisiana	63225	63201	535	543	541	549
Maine	12594	12776	92	90	93	91
Maryland	69315	71953	447	477	447	477
Massachusetts	72191	71788	300	297	303	300
Michigan	112591	113489	789	798	791	800
Minnesota	68469	69159	358	352	358	352
Mississippi	37647	38634	345	371	345	371
Missouri	76390	75296	540	488	544	491
Montana	12328	12377	63	69	63	69
Nebraska	26415	26095	141	136	141	136
Nevada	34822	35030	182	186	182	186
New Hampshire	12571	12396	70	69	70	69
New Jersey	100547	102575	436	454	445	463
New Mexico	25284	26354	136	138	137	139
New York	117711	120203	630	662	638	670
New York City	120457	116777	529	498	530	499
North Carolina	120341	119002	834	831	835	832
North Dakota	11978	10599	70	64	70	64
Ohio	139694	138936	1045	1005	1060	1019
Oklahoma	52350	53369	352	359	352	359
Oregon	45592	45155	231	222	232	223
Pennsylvania	140048	140921	956	931	962	937
Rhode Island	11506	10809	80	70	80	70
South Carolina	53970	56795	361	390	361	390
South Dakota	12925	12248	95	79	95	79
Tennessee	84974	79992	608	542	610	544
Texas	395067	387340	2195	2160	2292	2255
Utah	51861	50957	277	264	277	264
Vermont	5654	5975	24	26	24	26
Virginia	100618	102147	611	629	613	631
Washington	86415	86577	399	392	399	392
West Virginia	21120	20825	160	157	162	159
Wisconsin	66320	66649	403	417	403	417
Wyoming	6948	7644	23	37	23	37
Foreign Residents	-	8583	-	18	-	18
Puerto Rico	36576	36486	261	259	261	259
Virgin Islands	-	-	-	-	-	-
Guam	3287	3282	30	30	30	30

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, 2013 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.....	3,932,181	6,634	10,010	11,164	12,812	15,965	61,386	198,626	3,614,942	642
Infant deaths.....	23,446	5,659	3,947	1,391	790	637	1,515	1,973	7,397	137
Infant mortality rate....	5.96	853.03	394.31	124.60	61.66	39.90	24.68	9.93	2.05	213.40
Male										
Live births.....	2,012,954	3,394	4,986	5,739	6,643	8,035	29,769	90,889	1,863,127	372
Infant deaths.....	13,108	2,927	2,300	857	461	356	795	1,031	4,288	93
Infant mortality rate....	6.51	862.40	461.29	149.33	69.40	44.31	26.71	11.34	2.30	250.00
Female										
Live births.....	1,919,227	3,240	5,024	5,425	6,169	7,930	31,617	107,737	1,751,815	270
Infant deaths.....	10,339	2,732	1,647	534	329	281	720	942	3,110	44
Infant mortality rate....	5.39	843.21	327.83	98.43	53.33	35.44	22.77	8.74	1.78	162.96
White										
Both sexes										
Live births.....	2,985,757	3,666	5,787	6,673	7,903	10,446	41,338	133,732	2,775,720	492
Infant deaths.....	15,152	3,156	2,382	895	521	426	1,054	1,374	5,250	93
Infant mortality rate....	5.07	860.88	411.61	134.12	65.92	40.78	25.50	10.27	1.89	189.02
Male										
Live births.....	1,529,972	1,879	2,899	3,493	4,165	5,289	20,225	61,592	1,430,146	284
Infant deaths.....	8,559	1,630	1,387	564	309	236	556	717	3,102	58
Infant mortality rate....	5.59	867.48	478.44	161.47	74.19	44.62	27.49	11.64	2.17	204.23
Female										
Live births.....	1,455,785	1,787	2,888	3,180	3,738	5,157	21,113	72,140	1,345,574	208
Infant deaths.....	6,593	1,526	995	331	212	191	498	657	2,148	34
Infant mortality rate....	4.53	853.95	344.53	104.09	56.71	37.04	23.59	9.11	1.60	163.46
Black										
Both sexes										
Live births.....	634,760	2,588	3,645	3,762	3,989	4,302	15,345	47,740	553,273	116
Infant deaths.....	6,862	2,171	1,319	403	218	166	365	467	1,716	37
Infant mortality rate....	10.81	838.87	361.87	107.12	54.65	38.59	23.79	9.78	3.10	318.97
Male										
Live births.....	322,365	1,319	1,803	1,863	1,996	2,107	7,177	21,255	284,778	67
Infant deaths.....	3,737	1,125	769	235	125	94	184	239	938	28
Infant mortality rate....	11.59	852.92	426.51	126.14	62.63	44.61	25.64	11.24	3.29	417.91
Female										
Live births.....	312,395	1,269	1,842	1,899	1,993	2,195	8,168	26,485	268,495	49
Infant deaths.....	3,125	1,045	550	168	94	73	180	227	778	9
Infant mortality rate....	10.00	823.48	298.59	88.47	47.17	33.26	22.04	8.57	2.90	*

Documentation Table 2. Live births, infant deaths and infant mortality rates by race of mother, sex and birthweight of child: United States, 2013 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.....	45,991	57	85	111	161	200	650	2,185	42,536	6
Infant deaths.....	350	48	47	19	11	10	25	24	163	3
Infant mortality rate....	7.61	842.11	552.94	*	*	*	38.46	10.98	3.83	*
Male										
Live births.....	23,609	26	48	53	87	101	321	1,055	21,914	4
Infant deaths.....	197	21	30	10	5	5	10	14	99	2
Infant mortality rate....	8.34	807.69	625.00	*	*	*	*	*	4.52	*
Female										
Live births.....	22,382	31	37	58	74	99	329	1,130	20,622	2
Infant deaths.....	154	27	17	9	6	5	15	10	63	1
Infant mortality rate....	6.88	870.97	*	*	*	*	*	*	3.05	*
Asian or Pacific Islander										
Both sexes										
Live births.....	265,673	323	493	618	759	1,017	4,053	14,969	243,413	28
Infant deaths.....	1,082	284	198	75	39	34	71	108	269	4
Infant mortality rate....	4.07	879.26	401.62	121.36	51.38	33.43	17.52	7.21	1.11	*
Male										
Live births.....	137,008	170	236	330	395	538	2,046	6,987	126,289	17
Infant deaths.....	615	151	114	48	22	21	44	61	149	4
Infant mortality rate....	4.49	888.24	483.05	145.45	55.70	39.03	21.51	8.73	1.18	*
Female										
Live births.....	128,665	153	257	288	364	479	2,007	7,982	117,124	11
Infant deaths.....	467	133	84	26	17	13	26	47	120	0
Infant mortality rate....	3.63	869.28	326.85	90.28	*	*	12.95	5.89	1.02	*

* 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 3

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and gestational age:
United states, 2013 period data

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

Birthweight	Gestation									
	Total	<28 Weeks	28-31 Weeks	32-33 Weeks	34-36 Weeks	37-39 Weeks	40 Weeks	41 Weeks	42 Weeks or more	Not Stated
All races										
Total										
Live births	3,932,181	28,492	46,972	58,039	313,858	2,161,840	770,259	333,531	215,510	3,680
Infant deaths	23,446	10,677	1,677	930	2,268	5,201	1,350	601	515	227
Infant mortality rate	5.96	374.74	35.70	16.02	7.23	2.41	1.75	1.80	2.39	61.68
Less than 2,500 grams										
Live births	316,597	27,406	35,864	39,601	103,914	88,730	10,123	4,721	5,830	408
Infant deaths	15,912	10,657	1,596	778	1,349	1,118	166	90	96	63
Infant mortality rate	50.26	388.86	44.50	19.65	12.98	12.60	16.40	19.06	16.47	154.41
Less than 500 grams										
Live births	6,634	6,391	162	16	15	12	3	4	-	31
Infant deaths	5,659	5,491	104	11	14	9	1	3	-	26
Infant mortality rate	853.03	859.18	641.98	*	*	*	*	*	-	838.71
500-749 grams										
Live births	10,010	8,707	1,127	58	53	23	5	11	7	19
Infant deaths	3,947	3,651	232	22	25	3	1	2	2	9
Infant mortality rate	394.31	419.32	205.86	379.31	471.70	*	*	*	*	*
750-999 grams										
Live births	11,164	7,103	3,559	249	85	89	31	6	18	24
Infant deaths	1,391	1,067	251	32	17	10	2	-	-	11
Infant mortality rate	124.60	150.22	70.53	128.51	*	*	*	-	-	*
1,000-1,249 grams										
Live births	12,812	3,003	7,128	1,384	655	360	100	68	98	16
Infant deaths	790	277	325	86	50	31	9	4	5	2
Infant mortality rate	61.66	92.24	45.59	62.14	76.34	86.11	*	*	*	*
1,250-1,499 grams										
Live births	15,965	797	8,569	3,487	1,979	696	147	109	162	19
Infant deaths	637	71	259	127	113	50	6	3	6	2
Infant mortality rate	39.90	89.08	30.23	36.42	57.10	71.84	*	*	*	*
1,500-1,999 grams										
Live births	61,386	772	11,494	17,967	21,445	7,397	951	493	811	56
Infant deaths	1,515	80	318	318	415	283	40	21	29	9
Infant mortality rate	24.68	103.63	27.67	17.70	19.35	38.26	42.06	42.60	35.76	*

See footnotes at end of table.

Documentation Table 3

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and gestational age:
United states, 2013 period data

[Infant deaths weighted. Rates are per 1000 live births]-Cont

Birthweight	Gestation									
	Total	<28 Weeks	28-31 Weeks	32-33 Weeks	34-36 Weeks	37-39 Weeks	40 Weeks	41 Weeks	42 Weeks or more	Not Stated
All races										
2,000-2,499 grams										
Live births	198,626	633	3,825	16,440	79,682	80,153	8,886	4,030	4,734	243
Infant deaths	1,973	20	106	181	713	731	107	57	53	4
Infant mortality rate	9.93	31.60	27.71	11.01	8.95	9.12	12.04	14.14	11.20	*
2,500-2,999 grams										
Live births	716,305	1,086	3,874	7,726	105,607	446,215	88,122	33,135	29,901	639
Infant deaths	2,594	20	42	85	507	1,407	300	105	122	6
Infant mortality rate	3.62	18.42	10.84	11.00	4.80	3.15	3.40	3.17	4.08	*
3,000-3,499 grams										
Live births	1,530,243	-	4,638	6,820	71,410	922,767	314,061	124,683	84,751	1,113
Infant deaths	2,894	-	30	44	268	1,675	510	201	152	13
Infant mortality rate	1.89	-	6.47	6.45	3.75	1.82	1.62	1.61	1.79	*
3,500-3,999 grams										
Live births	1,055,367	-	2,596	3,179	26,300	557,046	271,248	123,951	70,382	665
Infant deaths	1,472	-	9	18	100	782	287	159	113	4
Infant mortality rate	1.39	-	*	*	3.80	1.40	1.06	1.28	1.61	*
4,000-4,499 grams										
Live births	269,759	-	-	606	5,525	126,737	75,587	40,229	20,907	168
Infant deaths	352	-	-	5	33	167	72	42	29	3
Infant mortality rate	1.30	-	-	*	5.97	1.32	0.95	1.04	1.39	*
4,500-4,999 grams										
Live births	38,852	-	-	88	907	17,959	10,247	6,262	3,349	40
Infant deaths	62	-	-	-	4	37	12	4	4	1
Infant mortality rate	1.60	-	-	-	*	2.06	*	*	*	*
5,000 grams or more										
Live births	4,416	-	-	19	195	2,386	871	550	390	5
Infant deaths	23	-	-	-	7	14	2	-	-	-
Infant mortality rate	5.21	-	-	-	*	*	*	-	-	-
Not stated										
Live births	642	-	-	-	-	-	-	-	-	642
Infant deaths	137	-	-	-	-	-	-	-	-	137
Infant mortality rate	213.40	-	-	-	-	-	-	-	-	213.40

See footnotes at end of table.

Documentation Table 3

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and gestational age:
United states, 2013 period data

[Infant deaths weighted. Rates are per 1000 live births]-Cont

Birthweight	Gestation									
	Total	<28 Weeks	28-31 Weeks	32-33 Weeks	34-36 Weeks	37-39 Weeks	40 Weeks	41 Weeks	42 Weeks or more	Not Stated
All races										
White										
Total										
Live births	2,985,757	16,571	30,954	40,376	225,039	1,634,667	601,720	265,382	168,397	2,651
Infant deaths	15,152	6,244	1,078	667	1,593	3,683	937	437	366	145
Infant mortality rate	5.07	376.80	34.83	16.52	7.08	2.25	1.56	1.65	2.17	54.70
Less than 2,500 grams										
Live births	209,545	15,895	23,417	27,593	70,973	57,699	6,694	3,127	3,885	262
Infant deaths	9,809	6,227	1,016	561	941	792	108	62	68	34
Infant mortality rate	46.81	391.76	43.39	20.33	13.26	13.73	16.13	19.83	17.50	129.77
Less than 500 grams										
Live births	3,666	3,515	91	13	14	9	2	3	-	19
Infant deaths	3,156	3,054	55	10	13	7	1	2	-	14
Infant mortality rate	860.88	868.85	604.40	*	*	*	*	*	-	*
500-749 grams										
Live births	5,787	4,996	671	43	36	16	2	6	6	11
Infant deaths	2,382	2,200	142	16	15	3	1	1	1	3
Infant mortality rate	411.61	440.35	211.62	*	*	*	*	*	*	*
750-999 grams										
Live births	6,673	4,181	2,155	174	58	54	20	5	12	14
Infant deaths	895	681	161	23	13	8	2	-	-	6
Infant mortality rate	134.12	162.88	74.71	132.18	*	*	*	-	-	*
1,000-1,249 grams										
Live births	7,903	1,817	4,396	879	412	224	61	41	65	8
Infant deaths	521	180	205	64	36	23	5	3	4	1
Infant mortality rate	65.92	99.06	46.63	72.81	87.38	102.68	*	*	*	*
1,250-1,499 grams										
Live births	10,446	494	5,631	2,282	1,284	461	97	81	105	11
Infant deaths	426	41	169	90	77	37	5	2	4	1
Infant mortality rate	40.78	83.00	30.01	39.44	59.97	80.26	*	*	*	*

See footnotes at end of table.

Documentation Table 3

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and gestational age:
United states, 2013 period data

[Infant deaths weighted. Rates are per 1000 live births]-Cont

Birthweight	Gestation									
	Total	<28 Weeks	28-31 Weeks	32-33 Weeks	34-36 Weeks	37-39 Weeks	40 Weeks	41 Weeks	42 Weeks or more	Not Stated
White										
1,500-1,999 grams										
Live births	41,338	516	7,957	12,311	14,165	4,856	624	333	542	34
Infant deaths	1,054	55	211	229	292	203	22	16	20	6
Infant mortality rate	25.50	106.59	26.52	18.60	20.61	41.80	35.26	*	36.90	*
2,000-2,499 grams										
Live births	133,732	376	2,516	11,891	55,004	52,079	5,888	2,658	3,155	165
Infant deaths	1,374	16	74	130	494	510	71	37	39	2
Infant mortality rate	10.27	*	29.41	10.93	8.98	9.79	12.06	13.92	12.36	*
2,500-2,999 grams										
Live births	491,801	676	2,409	5,181	75,891	303,559	60,002	23,026	20,658	399
Infant deaths	1,758	17	34	56	345	953	201	72	76	3
Infant mortality rate	3.57	*	14.11	10.81	4.55	3.14	3.35	3.13	3.68	*
3,000-3,499 grams										
Live births	1,153,614	-	3,156	4,663	52,782	694,464	237,408	95,720	64,621	800
Infant deaths	2,039	-	20	34	202	1,172	352	141	106	11
Infant mortality rate	1.77	-	6.34	7.29	3.83	1.69	1.48	1.47	1.64	*
3,500-3,999 grams										
Live births	863,268	-	1,972	2,371	20,232	454,370	222,952	102,797	58,056	518
Infant deaths	1,126	-	7	12	71	606	212	123	92	3
Infant mortality rate	1.30	-	*	*	3.51	1.33	0.95	1.20	1.58	*
4,000-4,499 grams										
Live births	230,264	-	-	489	4,305	107,496	65,059	34,824	17,950	141
Infant deaths	269	-	-	3	27	126	54	36	21	1
Infant mortality rate	1.17	-	-	*	6.27	1.17	0.83	1.03	1.17	*
4,500-4,999 grams										
Live births	33,190	-	-	67	705	15,162	8,887	5,429	2,905	35
Infant deaths	44	-	-	-	4	25	8	3	3	1
Infant mortality rate	1.33	-	-	-	*	1.65	*	*	*	*
5,000 grams or more										
Live births	3,583	-	-	12	151	1,917	718	459	322	4
Infant deaths	14	-	-	-	4	8	2	-	-	-
Infant mortality rate	*	-	-	-	*	*	*	-	-	-

See footnotes at end of table.

Documentation Table 3

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and gestational age:
United states, 2013 period data

[Infant deaths weighted. Rates are per 1000 live births]-Cont

Birthweight	Gestation									Not Stated	
	Total	<28 Weeks	28-31 Weeks	32-33 Weeks	34-36 Weeks	37-39 Weeks	40 Weeks	41 Weeks	42 Weeks or more		
White											
Not stated											
Live births	492	-	-	-	-	-	-	-	-	-	492
Infant deaths	93	-	-	-	-	-	-	-	-	-	93
Infant mortality rate	189.02	-	-	-	-	-	-	-	-	-	189.02
Black											
Total											
Live births	634,760	10,182	12,760	13,630	64,885	349,216	107,240	43,617	32,453	777	
Infant deaths	6,862	3,775	492	208	540	1,219	328	117	114	69	
Infant mortality rate	10.81	370.75	38.56	15.26	8.32	3.49	3.06	2.68	3.51	88.80	
Less than 2,500 grams											
Live births	81,371	9,842	9,973	9,214	24,410	22,589	2,515	1,194	1,513	121	
Infant deaths	5,109	3,772	475	174	327	246	48	22	19	24	
Infant mortality rate	62.79	383.26	47.63	18.88	13.40	10.89	19.09	18.43	*	198.35	
Less than 500 grams											
Live births	2,588	2,508	61	3	1	1	1	1	-	12	
Infant deaths	2,171	2,114	42	1	1	-	-	1	-	11	
Infant mortality rate	838.87	842.90	688.52	*	*	-	-	*	-	*	
500-749 grams											
Live births	3,645	3,206	391	12	13	7	3	5	1	7	
Infant deaths	1,319	1,220	81	5	6	-	-	1	1	5	
Infant mortality rate	361.87	380.54	207.16	*	*	-	-	*	*	*	
750-999 grams											
Live births	3,762	2,467	1,169	60	22	25	7	1	3	8	
Infant deaths	403	309	81	5	4	1	-	-	-	3	
Infant mortality rate	107.12	125.25	69.29	*	*	*	-	-	-	*	
1,000-1,249 grams											
Live births	3,989	1,000	2,196	383	210	116	34	21	22	7	
Infant deaths	218	81	93	19	14	6	4	1	-	-	
Infant mortality rate	54.65	81.00	42.35	*	*	*	*	*	-	-	

See footnotes at end of table.

Documentation Table 3

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and gestational age:
United states, 2013 period data

[Infant deaths weighted. Rates are per 1000 live births]-Cont

Birthweight	Gestation									
	Total	<28 Weeks	28-31 Weeks	32-33 Weeks	34-36 Weeks	37-39 Weeks	40 Weeks	41 Weeks	42 Weeks or more	Not Stated
Black										
1,250-1,499 grams										
Live births	4,302	243	2,289	940	526	188	37	24	50	5
Infant deaths	166	23	70	29	29	11	1	-	2	-
Infant mortality rate	38.59	94.65	30.58	30.85	55.13	*	*	-	*	-
1,500-1,999 grams										
Live births	15,345	207	2,817	4,362	5,408	1,935	257	130	212	17
Infant deaths	365	22	82	73	94	64	16	3	7	3
Infant mortality rate	23.79	106.28	29.11	16.74	17.38	33.07	*	*	*	*
2,000-2,499 grams										
Live births	47,740	211	1,050	3,454	18,230	20,317	2,176	1,012	1,225	65
Infant deaths	467	3	25	41	179	164	27	16	9	2
Infant mortality rate	9.78	*	23.81	11.87	9.82	8.07	12.41	*	*	*
2,500-2,999 grams										
Live births	154,982	340	1,174	2,005	21,385	97,242	18,807	7,004	6,848	177
Infant deaths	695	3	6	20	131	391	79	26	37	2
Infant mortality rate	4.48	*	*	9.98	6.13	4.02	4.20	3.71	5.40	*
3,000-3,499 grams										
Live births	247,246	-	1,157	1,692	13,677	149,331	48,666	18,635	13,856	232
Infant deaths	679	-	9	8	53	409	126	37	35	2
Infant mortality rate	2.75	-	*	*	3.88	2.74	2.59	1.99	2.53	*
3,500-3,999 grams										
Live births	122,243	-	456	615	4,403	65,693	29,909	12,996	8,061	110
Infant deaths	263	-	2	4	22	134	57	26	17	1
Infant mortality rate	2.15	-	*	*	5.00	2.04	1.91	2.00	*	*
4,000-4,499 grams										
Live births	24,736	-	-	82	843	12,243	6,432	3,254	1,865	17
Infant deaths	58	-	-	2	4	27	15	4	4	2
Infant mortality rate	2.34	-	-	*	*	2.21	*	*	*	*
4,500-4,999 grams										
Live births	3,549	-	-	15	140	1,823	825	476	266	4
Infant deaths	13	-	-	-	-	9	2	1	1	-
Infant mortality rate	*	-	-	-	-	*	*	*	*	-

See footnotes at end of table.

Documentation Table 3

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and gestational age:
United states, 2013 period data

[Infant deaths weighted. Rates are per 1000 live births]-Cont

Birthweight	Gestation									
	Total	<28 Weeks	28-31 Weeks	32-33 Weeks	34-36 Weeks	37-39 Weeks	40 Weeks	41 Weeks	42 Weeks or more	Not Stated
Black										
5,000 grams or more										
Live births	517	-	-	7	27	295	86	58	44	-
Infant deaths	7	-	-	-	3	4	-	-	-	-
Infant mortality rate	*	-	-	-	*	*	-	-	-	-
Not stated										
Live births	116	-	-	-	-	-	-	-	-	116
Infant deaths	37	-	-	-	-	-	-	-	-	37
Infant mortality rate	318.97	-	-	-	-	-	-	-	-	318.97
American Indian¹										
Total										
Live births	45,991	302	663	794	4,243	24,450	8,345	3,940	3,179	75
Infant deaths	350	111	18	17	40	100	33	13	13	5
Infant mortality rate	7.61	367.55	*	*	9.43	4.09	3.95	*	*	*
Less than 2,500 grams										
Live births	3,449	288	420	442	1,148	885	112	68	78	8
Infant deaths	185	111	17	12	20	16	3	1	3	2
Infant mortality rate	53.64	385.42	*	*	17.42	*	*	*	*	*
Less than 500 grams										
Live births	57	55	2	-	-	-	-	-	-	-
Infant deaths	48	47	1	-	-	-	-	-	-	-
Infant mortality rate	842.11	854.55	*	-	-	-	-	-	-	-
500-749 grams										
Live births	85	75	8	-	1	-	-	-	-	1
Infant deaths	47	43	2	-	1	-	-	-	-	1
Infant mortality rate	552.94	573.33	*	-	*	-	-	-	-	*
750-999 grams										
Live births	111	78	28	1	1	2	1	-	-	-
Infant deaths	19	13	4	1	-	1	-	-	-	-
Infant mortality rate	*	*	*	*	-	*	-	-	-	-

See footnotes at end of table.

Documentation Table 3

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and gestational age:
United states, 2013 period data

[Infant deaths weighted. Rates are per 1000 live births]-Cont

Birthweight	Gestation									
	Total	<28 Weeks	28-31 Weeks	32-33 Weeks	34-36 Weeks	37-39 Weeks	40 Weeks	41 Weeks	42 Weeks or more	Not Stated
American Indian ¹										
1,000-1,249 grams										
Live births	161	42	85	17	5	4	1	1	5	1
Infant deaths	11	4	4	1	-	-	-	-	1	1
Infant mortality rate	*	*	*	*	-	-	-	-	*	*
1,250-1,499 grams										
Live births	200	15	114	37	26	6	1	-	1	-
Infant deaths	10	3	1	3	3	-	-	-	-	-
Infant mortality rate	*	*	*	*	*	-	-	-	-	-
1,500-1,999 grams										
Live births	650	11	114	187	228	88	7	8	7	-
Infant deaths	25	-	4	5	9	4	1	1	1	-
Infant mortality rate	38.46	-	*	*	*	*	*	*	*	-
2,000-2,499 grams										
Live births	2,185	12	69	200	887	785	102	59	65	6
Infant deaths	24	-	1	2	7	11	2	-	1	-
Infant mortality rate	10.98	-	*	*	*	*	*	-	*	-
2,500-2,999 grams										
Live births	7,743	14	81	136	1,325	4,449	967	356	393	22
Infant deaths	47	-	1	5	11	18	7	3	2	-
Infant mortality rate	6.07	-	*	*	*	*	*	*	*	-
3,000-3,499 grams										
Live births	17,428	-	105	143	1,093	10,211	3,166	1,462	1,218	30
Infant deaths	62	-	-	-	6	31	14	7	4	-
Infant mortality rate	3.56	-	-	-	*	3.04	*	*	*	-
3,500-3,999 grams										
Live births	12,875	-	57	59	494	6,782	3,001	1,411	1,066	5
Infant deaths	39	-	-	-	3	25	7	1	3	-
Infant mortality rate	3.03	-	-	-	*	3.69	*	*	*	-
4,000-4,499 grams										
Live births	3,685	-	-	11	145	1,744	902	524	355	4
Infant deaths	10	-	-	-	-	7	1	1	1	-
Infant mortality rate	*	-	-	-	-	*	*	*	*	-

See footnotes at end of table.

Documentation Table 3

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and gestational age:
United states, 2013 period data

[Infant deaths weighted. Rates are per 1000 live births]-Cont

Birthweight	Gestation									
	Total	<28 Weeks	28-31 Weeks	32-33 Weeks	34-36 Weeks	37-39 Weeks	40 Weeks	41 Weeks	42 Weeks or more	Not Stated
American Indian ¹										
4,500-4,999 grams										
Live births	682	-	-	3	29	309	175	108	58	-
Infant deaths	2	-	-	-	-	1	1	-	-	-
Infant mortality rate	*	-	-	-	-	*	*	-	-	-
5,000 grams or more										
Live births	123	-	-	-	9	70	22	11	11	-
Infant deaths	2	-	-	-	-	2	-	-	-	-
Infant mortality rate	*	-	-	-	-	*	-	-	-	-
Not stated										
Live births	6	-	-	-	-	-	-	-	-	6
Infant deaths	3	-	-	-	-	-	-	-	-	3
Infant mortality rate	*	-	-	-	-	-	-	-	-	*
Asian or Pacific Islander										
Total										
Live births	265,673	1,437	2,595	3,239	19,691	153,507	52,954	20,592	11,481	177
Infant deaths	1,082	547	90	37	94	198	51	34	22	8
Infant mortality rate	4.07	380.65	34.68	11.42	4.77	1.29	0.96	1.65	1.92	*
Less than 2,500 grams										
Live births	22,232	1,381	2,054	2,352	7,383	7,557	802	332	354	17
Infant deaths	809	547	88	30	61	63	7	5	5	3
Infant mortality rate	36.39	396.09	42.84	12.76	8.26	8.34	*	*	*	*
Less than 500 grams										
Live births	323	313	8	-	-	2	-	-	-	-
Infant deaths	284	276	6	-	-	2	-	-	-	-
Infant mortality rate	879.26	881.79	*	-	-	*	-	-	-	-
500-749 grams										
Live births	493	430	57	3	3	-	-	-	-	-
Infant deaths	198	188	6	1	3	-	-	-	-	-
Infant mortality rate	401.62	437.21	*	*	*	-	-	-	-	-

See footnotes at end of table.

Documentation Table 3

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and gestational age:
United states, 2013 period data

[Infant deaths weighted. Rates are per 1000 live births]-Cont

Birthweight	Gestation									
	Total	<28 Weeks	28-31 Weeks	32-33 Weeks	34-36 Weeks	37-39 Weeks	40 Weeks	41 Weeks	42 Weeks or more	Not Stated
Asian or Pacific Islander										
750-999 grams										
Live births	618	377	207	14	4	8	3	-	3	2
Infant deaths	75	64	6	3	-	-	-	-	-	2
Infant mortality rate	121.36	169.76	*	*	-	-	-	-	-	*
1,000-1,249 grams										
Live births	759	144	451	105	28	16	4	5	6	-
Infant deaths	39	12	23	2	-	2	-	-	-	-
Infant mortality rate	51.38	*	51.00	*	-	*	-	-	-	-
1,250-1,499 grams										
Live births	1,017	45	535	228	143	41	12	4	6	3
Infant deaths	34	3	19	5	4	1	-	1	-	1
Infant mortality rate	33.43	*	*	*	*	*	-	*	-	*
1,500-1,999 grams										
Live births	4,053	38	606	1,107	1,644	518	63	22	50	5
Infant deaths	71	3	21	11	20	12	1	1	1	-
Infant mortality rate	17.52	*	34.65	*	12.17	*	*	*	*	-
2,000-2,499 grams										
Live births	14,969	34	190	895	5,561	6,972	720	301	289	7
Infant deaths	108	1	6	8	33	46	6	3	4	-
Infant mortality rate	7.21	*	*	*	5.93	6.60	*	*	*	-
2,500-2,999 grams										
Live births	61,779	56	210	404	7,006	40,965	8,346	2,749	2,002	41
Infant deaths	94	-	1	3	20	45	13	4	6	1
Infant mortality rate	1.52	-	*	*	2.85	1.10	*	*	*	*
3,000-3,499 grams										
Live births	111,955	-	220	322	3,858	68,761	24,821	8,866	5,056	51
Infant deaths	114	-	1	2	7	63	18	15	7	-
Infant mortality rate	1.02	-	*	*	*	0.92	*	*	*	-
3,500-3,999 grams										
Live births	56,981	-	111	134	1,171	30,201	15,386	6,747	3,199	32
Infant deaths	43	-	-	2	4	17	10	9	1	-
Infant mortality rate	0.75	-	-	*	*	*	*	*	*	-

See footnotes at end of table.

Documentation Table 3

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and gestational age:
United states, 2013 period data

[Infant deaths weighted. Rates are per 1000 live births]-Cont

Birthweight	Gestation									
	Total	<28 Weeks	28-31 Weeks	32-33 Weeks	34-36 Weeks	37-39 Weeks	40 Weeks	41 Weeks	42 Weeks or more	Not Stated
Asian or Pacific Islander										
4,000-4,499 grams										
Live births	11,074	-	-	24	232	5,254	3,194	1,627	737	6
Infant deaths	15	-	-	-	2	7	2	1	3	-
Infant mortality rate	*	-	-	-	*	*	*	*	*	-
4,500-4,999 grams										
Live births	1,431	-	-	3	33	665	360	249	120	1
Infant deaths	3	-	-	-	-	2	1	-	-	-
Infant mortality rate	*	-	-	-	-	*	*	-	-	-
5,000 grams or more										
Live births	193	-	-	-	8	104	45	22	13	1
Infant deaths	-	-	-	-	-	-	-	-	-	-
Infant mortality rate	-	-	-	-	-	-	-	-	-	-
Not stated										
Live births	28	-	-	-	-	-	-	-	-	28
Infant deaths	4	-	-	-	-	-	-	-	-	4
Infant mortality rate	*	-	-	-	-	-	-	-	-	*

-/ Quality zero.

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

1/ Includes Aleuts and Eskimos.

Documentation Table 4

Live births, infant deaths, and infant mortality rates by birthweight, race of mother, and age at death: United states, 2013 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).....	3,932,181	23,446	15,893	12,900	2,993	7,553
Rate.....		5.96	4.04	3.28	0.76	1.92
Less than 2,500 grams.....	316,597	15,912	13,147	11,185	1,962	2,765
Rate.....		50.26	41.53	35.33	6.20	8.73
Less than 500 grams.....	6,634	5,659	5,535	5,384	151	124
Rate.....		853.03	834.34	811.58	22.76	18.69
500-749 grams.....	10,010	3,947	3,378	2,707	671	569
Rate.....		394.31	337.46	270.43	67.03	56.84
750-999 grams.....	11,164	1,391	1,094	773	322	297
Rate.....		124.60	97.99	69.24	28.84	26.60
1,000-1,249 grams.....	12,812	790	594	413	181	196
Rate.....		61.66	46.36	32.24	14.13	15.30
1,250-1,499 grams.....	15,965	637	466	360	107	171
Rate.....		39.90	29.19	22.55	6.70	10.71
1,500-1,999 grams.....	61,386	1,515	1,020	792	228	495
Rate.....		24.68	16.62	12.90	3.71	8.06
2,000-2,499 grams.....	198,626	1,973	1,059	756	303	914
Rate.....		9.93	5.33	3.81	1.53	4.60
2,500-2,999 grams.....	716,305	2,594	982	589	393	1,612
Rate.....		3.62	1.37	0.82	0.55	2.25
3,000-3,499 grams.....	1,530,243	2,894	946	558	388	1,948
Rate.....		1.89	0.62	0.36	0.25	1.27
3,500-3,999 grams.....	1,055,367	1,472	510	320	190	962
Rate.....		1.39	0.48	0.30	0.18	0.91
4,000-4,499 grams.....	269,759	352	129	91	38	223
Rate.....		1.30	0.48	0.34	0.14	0.83
4,500-4,999 grams.....	38,852	62	31	17	14	31
Rate.....		1.60	0.80	*	*	0.80
5,000 grams or more.....	4,416	23	12	10	2	11
Rate.....		5.21	*	*	*	*
Not stated.....	642	137	136	130	6	1
Rate.....		213.40	211.84	202.49	*	*

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, 2013 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).....	2,985,757	15,152	10,264	8,280	1,984	4,888
Rate.....		5.07	3.44	2.77	0.66	1.64
Less than 2,500 grams.....	209,545	9,809	8,195	6,969	1,226	1,614
Rate.....		46.81	39.11	33.26	5.85	7.70
Less than 500 grams.....	3,666	3,156	3,102	3,023	79	54
Rate.....		860.88	846.15	824.60	21.55	14.73
500-749 grams.....	5,787	2,382	2,096	1,710	386	286
Rate.....		411.61	362.19	295.49	66.70	49.42
750-999 grams.....	6,673	895	723	527	196	172
Rate.....		134.12	108.35	78.97	29.37	25.78
1,000-1,249 grams.....	7,903	521	411	290	121	110
Rate.....		65.92	52.01	36.69	15.31	13.92
1,250-1,499 grams.....	10,446	426	320	246	74	106
Rate.....		40.78	30.63	23.55	7.08	10.15
1,500-1,999 grams.....	41,338	1,054	743	590	153	311
Rate.....		25.50	17.97	14.27	3.70	7.52
2,000-2,499 grams.....	133,732	1,374	800	583	217	574
Rate.....		10.27	5.98	4.36	1.62	4.29
2,500-2,999 grams.....	491,801	1,758	729	450	280	1,029
Rate.....		3.57	1.48	0.92	0.57	2.09
3,000-3,499 grams.....	1,153,614	2,039	709	431	279	1,329
Rate.....		1.77	0.61	0.37	0.24	1.15
3,500-3,999 grams.....	863,268	1,126	403	250	153	723
Rate.....		1.30	0.47	0.29	0.18	0.84
4,000-4,499 grams.....	230,264	269	105	74	31	164
Rate.....		1.17	0.46	0.32	0.13	0.71
4,500-4,999 grams.....	33,190	44	23	14	9	21
Rate.....		1.33	0.69	*	*	0.63
5,000 grams or more.....	3,583	14	7	6	1	7
Rate.....		*	*	*	*	*
Not stated.....	492	93	92	87	5	1
Rate.....		189.02	186.99	176.83	*	*

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, 2013 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
Black						
Total (all birthweights).....	634,760	6,862	4,647	3,815	831	2,215
Rate.....		10.81	7.32	6.01	1.31	3.49
Less than 2,500 grams.....	81,371	5,109	4,124	3,510	614	984
Rate.....		62.79	50.68	43.14	7.55	12.09
Less than 500 grams.....	2,588	2,171	2,103	2,038	65	67
Rate.....		838.87	812.60	787.48	25.12	25.89
500-749 grams.....	3,645	1,319	1,068	812	256	252
Rate.....		361.87	293.00	222.77	70.23	69.14
750-999 grams.....	3,762	403	295	196	99	107
Rate.....		107.12	78.42	52.10	26.32	28.44
1,000-1,249 grams.....	3,989	218	149	95	54	69
Rate.....		54.65	37.35	23.82	13.54	17.30
1,250-1,499 grams.....	4,302	166	108	86	22	58
Rate.....		38.59	25.10	19.99	5.11	13.48
1,500-1,999 grams.....	15,345	365	209	152	57	155
Rate.....		23.79	13.62	9.91	3.71	10.10
2,000-2,499 grams.....	47,740	467	191	131	60	276
Rate.....		9.78	4.00	2.74	1.26	5.78
2,500-2,999 grams.....	154,982	695	196	103	93	498
Rate.....		4.48	1.26	0.66	0.60	3.21
3,000-3,499 grams.....	247,246	679	182	94	88	498
Rate.....		2.75	0.74	0.38	0.36	2.01
3,500-3,999 grams.....	122,243	263	79	53	26	185
Rate.....		2.15	0.65	0.43	0.21	1.51
4,000-4,499 grams.....	24,736	58	17	13	4	41
Rate.....		2.34	*	*	*	1.66
4,500-4,999 grams.....	3,549	13	7	3	4	6
Rate.....		*	*	*	*	*
5,000 grams or more.....	517	7	4	3	1	3
Rate.....		*	*	*	*	*
Not stated.....	116	37	37	36	1	-
Rate.....		318.97	318.97	310.34	*	-

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, 2013 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 ¹						
Total (all birthweights).....	45,991	350	189	143	46	161
Rate.....		7.61	4.11	3.11	1.00	3.50
Less than 2,500 grams.....	3,449	185	147	122	25	38
Rate.....		53.64	42.62	35.37	7.25	11.02
Less than 500 grams.....	57	48	48	48	-	-
Rate.....		842.11	842.11	842.11	-	-
500-749 grams.....	85	47	41	37	4	6
Rate.....		552.94	482.35	435.29	*	*
750-999 grams.....	111	19	14	6	8	5
Rate.....		*	*	*	*	*
1,000-1,249 grams.....	161	11	6	6	-	5
Rate.....		*	*	*	-	*
1,250-1,499 grams.....	200	10	9	6	3	1
Rate.....		*	*	*	*	*
1,500-1,999 grams.....	650	25	19	13	6	6
Rate.....		38.46	*	*	*	*
2,000-2,499 grams.....	2,185	24	9	5	4	15
Rate.....		10.98	*	*	*	*
2,500-2,999 grams.....	7,743	47	18	10	8	29
Rate.....		6.07	*	*	*	3.75
3,000-3,499 grams.....	17,428	62	8	4	4	54
Rate.....		3.56	*	*	*	3.10
3,500-3,999 grams.....	12,875	39	9	2	7	30
Rate.....		3.03	*	*	*	2.33
4,000-4,499 grams.....	3,685	10	2	1	1	8
Rate.....		*	*	*	*	*
4,500-4,999 grams.....	682	2	1	-	1	1
Rate.....		*	*	-	*	*
5,000 grams or more.....	123	2	1	1	-	1
Rate.....		*	*	*	-	*
Not stated.....	6	3	3	3	-	-
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, 2013 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).....	265,673	1,082	794	662	132	288
Rate.....		4.07	2.99	2.49	0.50	1.08
Less than 2,500 grams.....	22,232	809	681	584	96	128
Rate.....		36.39	30.63	26.27	4.32	5.76
Less than 500 grams.....	323	284	281	275	6	3
Rate.....		879.26	869.97	851.39	*	*
500-749 grams.....	493	198	173	148	25	25
Rate.....		401.62	350.91	300.20	50.71	50.71
750-999 grams.....	618	75	62	44	18	13
Rate.....		121.36	100.32	71.20	*	*
1,000-1,249 grams.....	759	39	28	22	6	11
Rate.....		51.38	36.89	28.99	*	*
1,250-1,499 grams.....	1,017	34	29	21	8	5
Rate.....		33.43	28.52	20.65	*	*
1,500-1,999 grams.....	4,053	71	49	36	12	22
Rate.....		17.52	12.09	8.88	*	5.43
2,000-2,499 grams.....	14,969	108	59	38	21	49
Rate.....		7.21	3.94	2.54	1.40	3.27
2,500-2,999 grams.....	61,779	94	39	26	12	55
Rate.....		1.52	0.63	0.42	*	0.89
3,000-3,499 grams.....	111,955	114	46	29	17	67
Rate.....		1.02	0.41	0.26	*	0.60
3,500-3,999 grams.....	56,981	43	19	15	4	24
Rate.....		0.75	*	*	*	0.42
4,000-4,499 grams.....	11,074	15	5	3	2	10
Rate.....		*	*	*	*	*
4,500-4,999 grams.....	1,431	3	-	-	-	3
Rate.....		*	-	-	-	*
5,000 grams or more.....	193	-	-	-	-	-
Rate.....		-	-	-	-	-
Not stated.....	28	4	4	4	-	-
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, 2013 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	Neonatal
All races						
All birthweights						
All Causes	3,932,181	23,446 596.3	15,893 404.2	12,900 328.1	2,993 76.1	7,553 192.1
Congenital malformations (Q00-Q99).....		4,778 121.5	3,386 86.1	2,631 66.9	755 19.2	1,393 35.4
Short gestation and low birthweight nec (P07).....		4,213 107.1	4,116 104.7	3,995 101.6	121 3.1	97 2.5
Maternal complications of pregnancy (P01).....		1,597 40.6	1,589 40.4	1,572 40.0	17 *	8 *
Sudden infant death syndrome (R95).....		1,561 39.7	141 3.6	20 0.5	121 3.1	1,420 36.1
Accidents (unintentional injures) (V01-X59).....		1,150 29.2	123 3.1	25 0.6	98 2.5	1,028 26.1
Complications of placenta, cord, membranes (P02).....		951 24.2	940 23.9	915 23.3	24 0.6	11 *
Bacterial sepsis of newborn (P36).....		582 14.8	564 14.3	261 6.6	303 7.7	18 *
Respiratory distress of newborn (P22).....		528 13.4	515 13.1	404 10.3	110 2.8	13 *
Diseases of the circulatory system (I00-I99).....		457 11.6	99 2.5	55 1.4	44 1.1	358 9.1
Neonatal hemorrhage (P50-P52, P54).....		393 10.0	380 9.7	269 6.8	111 2.8	13 *
All other causes.....		7,236 184.0	4,042 102.8	2,752 70.0	1,290 32.8	3,194 81.2
Less than 2,500 grams						
All Causes	316,597	15,912 5,025.9	13,147 4,152.6	11,185 3,532.9	1,962 619.7	2,765 873.4
Congenital malformations (Q00-Q99).....		2,897 915.0	2,306 728.4	1,931 609.9	375 118.4	591 186.7
Short gestation and low birthweight nec (P07).....		4,123 1,302.3	4,029 1,272.6	3,913 1,236.0	117 37.0	94 29.7

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, 2013 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						
Maternal complications of pregnancy (P01).....	1,543 487.4	1,537 485.5	1,520 480.1	17 *	6 *	
Sudden infant death syndrome (R95).....	306 96.7	18 *	1 *	17 *	288 91.0	
Accidents (unintentional injures) (V01-X59).....	211 66.6	32 10.1	11 *	21 6.6	179 56.5	
Complications of placenta, cord, membranes (P02).....	848 267.8	838 264.7	821 259.3	17 *	10 *	
Bacterial sepsis of newborn (P36).....	506 159.8	489 154.5	224 70.8	265 83.7	16 *	
Respiratory distress of newborn (P22).....	524 165.5	511 161.4	401 126.7	109 34.4	13 *	
Diseases of the circulatory system (I00-I99).....	221 69.8	49 15.5	28 8.8	20 6.3	173 54.6	
Neonatal hemorrhage (P50-P52, P54).....	354 111.8	343 108.3	239 75.5	104 32.8	11 *	
All other causes.....	4,380 1,383.5	2,996 946.3	2,097 662.4	899 284.0	1,384 437.1	
2,500 grams or more						
All Causes	3,614,942	7,397 204.6	2,610 72.2	1,585 43.8	1,025 28.4	4,787 132.4
Congenital malformations (Q00-Q99).....	1,876 51.9	1,075 29.7	698 19.3	376 10.4	801 22.2	
Short gestation and low birthweight nec (P07).....	35 1.0	32 0.9	28 0.8	4 *	3 *	
Maternal complications of pregnancy (P01).....	29 0.8	27 0.7	27 0.7	- -	2 *	
Sudden infant death syndrome (R95).....	1,255 34.7	123 3.4	19 *	104 2.9	1,132 31.3	
Accidents (unintentional injures) (V01-X59).....	939 26.0	90 2.5	14 *	76 2.1	849 23.5	
Complications of placenta, cord, membranes (P02).....	83 2.3	82 2.3	75 2.1	7 *	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, 2013 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	75	37	38	2
		2.1	2.1	1.0	1.1	*
Respiratory distress of newborn (P22).....		4	4	3	1	-
		*	*	*	*	-
Diseases of the circulatory system (I00-I99).....		235	50	25	24	186
		6.5	1.4	0.7	0.7	5.1
Neonatal hemorrhage (P50-P52, P54).....		38	36	30	6	2
		1.1	1.0	0.8	*	*
All other causes.....		2,826	1,017	629	388	1,809
		78.2	28.1	17.4	10.7	50.0
Not stated birthweight						
All Causes	642	137	136	130	6	1
		21,339.6	21,183.8	20,249.2	*	*
Congenital malformations (Q00-Q99).....		5	5	2	3	-
		*	*	*	*	-
Short gestation and low birthweight nec (P07).....		55	55	55	-	-
		8,567.0	8,567.0	8,567.0	-	-
Maternal complications of pregnancy (P01).....		25	25	25	-	-
		3,894.1	3,894.1	3,894.1	-	-
Sudden infant death syndrome (R95).....		-	-	-	-	-
		-	-	-	-	-
Accidents (unintentional injures) (V01-X59).....		-	-	-	-	-
		-	-	-	-	-
Complications of placenta, cord, membranes (P02).....		20	20	20	-	-
		3,115.3	3,115.3	3,115.3	-	-
Bacterial sepsis of newborn (P36).....		-	-	-	-	-
		-	-	-	-	-
Respiratory distress of newborn (P22).....		-	-	-	-	-
		-	-	-	-	-
Diseases of the circulatory system (I00-I99).....		1	1	1	-	-
		*	*	*	-	-
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, 2013 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.....		30	29	26	3	1
		4,672.9	4,517.1	4,049.8	*	*
White						
All birthweights						
All Causes	2,985,757	15,152	10,264	8,280	1,984	4,888
		507.5	343.8	277.3	66.4	163.7
Congenital malformations (Q00-Q99).....		3,579	2,574	2,021	554	1,004
		119.9	86.2	67.7	18.6	33.6
Short gestation and low birthweight nec (P07).....		2,358	2,315	2,251	64	43
		79.0	77.5	75.4	2.1	1.4
Maternal complications of pregnancy (P01).....		940	934	925	9	6
		31.5	31.3	31.0	*	*
Sudden infant death syndrome (R95).....		1,044	106	18	88	938
		35.0	3.6	*	2.9	31.4
Accidents (unintentional injures) (V01-X59).....		727	79	15	64	648
		24.3	2.6	*	2.1	21.7
Complications of placenta, cord, membranes (P02).....		605	601	589	12	4
		20.3	20.1	19.7	*	*
Bacterial sepsis of newborn (P36).....		340	332	162	170	8
		11.4	11.1	5.4	5.7	*
Respiratory distress of newborn (P22).....		340	330	260	70	10
		11.4	11.1	8.7	2.3	*
Diseases of the circulatory system (I00-I99).....		293	75	43	32	218
		9.8	2.5	1.4	1.1	7.3
Neonatal hemorrhage (P50-P52, P54).....		264	254	183	70	10
		8.8	8.5	6.1	2.3	*
All other causes.....		4,662	2,663	1,813	850	1,999
		156.1	89.2	60.7	28.5	67.0
Less than 2,500 grams						
All Causes	209,545	9,809	8,195	6,969	1,226	1,614
		4,681.1	3,910.9	3,325.8	585.1	770.2

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, 2013 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
White						
Congenital malformations (Q00-Q99).....	2,150 1,026.0	1,741 830.8	1,478 705.3	263 125.5	410 195.7	
Short gestation and low birthweight nec (P07).....	2,295 1,095.2	2,253 1,075.2	2,191 1,045.6	61 29.1	42 20.0	
Maternal complications of pregnancy (P01).....	908 433.3	903 430.9	894 426.6	9 *	5 *	
Sudden infant death syndrome (R95).....	183 87.3	11 *	- -	11 *	172 82.1	
Accidents (unintentional injuries) (V01-X59).....	102 48.7	16 *	5 *	11 *	85 40.6	
Complications of placenta, cord, membranes (P02).....	519 247.7	516 246.2	510 243.4	6 *	3 *	
Bacterial sepsis of newborn (P36).....	284 135.5	277 132.2	136 64.9	142 67.8	7 *	
Respiratory distress of newborn (P22).....	337 160.8	327 156.1	258 123.1	69 32.9	10 *	
Diseases of the circulatory system (I00-I99).....	134 63.9	36 17.2	21 10.0	15 *	97 46.3	
Neonatal hemorrhage (P50-P52, P54).....	236 112.6	227 108.3	161 76.8	66 31.5	9 *	
All other causes.....	2,660 1,269.4	1,887 900.5	1,315 627.6	573 273.4	773 368.9	
2,500 grams or more						
All Causes	2,775,720	5,250 189.1	1,977 71.2	1,224 44.1	753 27.1	3,274 118.0
Congenital malformations (Q00-Q99).....	1,423 51.3	829 29.9	540 19.5	288 10.4	595 21.4	
Short gestation and low birthweight nec (P07).....	28 1.0	27 1.0	24 0.9	3 *	1 *	
Maternal complications of pregnancy (P01).....	21 0.8	20 0.7	20 0.7	- -	1 *	
Sudden infant death syndrome (R95).....	861 31.0	95 3.4	18 *	76 2.7	766 27.6	

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, 2013 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
White						
Accidents (unintentional injures) (V01-X59).....		626	63	10	53	562
		22.6	2.3	*	1.9	20.2
Complications of placenta, cord, membranes (P02).....		67	66	60	6	1
		2.4	2.4	2.2	*	*
Bacterial sepsis of newborn (P36).....		56	55	26	28	1
		2.0	2.0	0.9	1.0	*
Respiratory distress of newborn (P22).....		3	3	2	1	-
		*	*	*	*	-
Diseases of the circulatory system (I00-I99).....		159	39	21	17	120
		5.7	1.4	0.8	*	4.3
Neonatal hemorrhage (P50-P52, P54).....		26	25	21	4	1
		0.9	0.9	0.8	*	*
All other causes.....		1,981	756	480	275	1,225
		71.4	27.2	17.3	9.9	44.1
Not stated birthweight						
All Causes	492	93	92	87	5	1
		18,902.4	18,699.2	17,682.9	*	*
Congenital malformations (Q00-Q99).....		5	5	2	3	-
		*	*	*	*	-
Short gestation and low birthweight nec (P07).....		35	35	35	-	-
		7,113.8	7,113.8	7,113.8	-	-
Maternal complications of pregnancy (P01).....		11	11	11	-	-
		*	*	*	-	-
Sudden infant death syndrome (R95).....		-	-	-	-	-
		-	-	-	-	-
Accidents (unintentional injures) (V01-X59).....		-	-	-	-	-
		-	-	-	-	-
Complications of placenta, cord, membranes (P02).....		19	19	19	-	-
		*	*	*	-	-
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, 2013 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
White						
Diseases of the circulatory system (I00-I99).....	-	-	-	-	-	-
Neonatal hemorrhage (P50-P52, P54).....	1	1	1	1	-	-
	*	*	*	*	-	-
All other causes.....	21	20	18	2	1	1
	4,268.3	4,065.0	*	*	*	*
Black						
All birthweights						
All Causes	634,760	6,862	4,647	3,815	831	2,215
		1,081.0	732.1	601.0	130.9	349.0
Congenital malformations (Q00-Q99).....		892	601	449	152	292
		140.5	94.7	70.7	23.9	46.0
Short gestation and low birthweight nec (P07).....		1,617	1,568	1,520	48	49
		254.7	247.0	239.5	7.6	7.7
Maternal complications of pregnancy (P01).....		541	539	533	6	2
		85.2	84.9	84.0	*	*
Sudden infant death syndrome (R95).....		443	31	2	29	412
		69.8	4.9	*	4.6	64.9
Accidents (unintentional injuries) (V01-X59).....		383	38	9	29	345
		60.3	6.0	*	4.6	54.4
Complications of placenta, cord, membranes (P02).....		290	283	272	11	7
		45.7	44.6	42.9	*	*
Bacterial sepsis of newborn (P36).....		211	202	87	115	9
		33.2	31.8	13.7	18.1	*
Respiratory distress of newborn (P22).....		153	151	115	35	2
		24.1	23.8	18.1	5.5	*
Diseases of the circulatory system (I00-I99).....		135	21	10	11	114
		21.3	3.3	*	*	18.0
Neonatal hemorrhage (P50-P52, P54).....		109	106	72	34	3
		17.2	16.7	11.3	5.4	*
All other causes.....		2,087	1,107	746	360	980
		328.8	174.4	117.5	56.7	154.4

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, 2013 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
Black						
Less than 2,500 grams						
All Causes	81,371	5,109 6,278.6	4,124 5,068.1	3,510 4,313.6	614 754.6	984 1,209.3
Congenital malformations (Q00-Q99).....		539 662.4	401 492.8	320 393.3	80 98.3	138 169.6
Short gestation and low birthweight nec (P07).....		1,598 1,963.8	1,550 1,904.9	1,503 1,847.1	47 57.8	48 59.0
Maternal complications of pregnancy (P01).....		521 640.3	520 639.0	514 631.7	6 *	1 *
Sudden infant death syndrome (R95).....		114 140.1	7 *	1 *	6 *	107 131.5
Accidents (unintentional injures) (V01-X59).....		106 130.3	15 *	6 *	9 *	91 111.8
Complications of placenta, cord, membranes (P02).....		281 345.3	274 336.7	263 323.2	11 *	7 *
Bacterial sepsis of newborn (P36).....		196 240.9	188 231.0	81 99.5	107 131.5	8 *
Respiratory distress of newborn (P22).....		152 186.8	149 183.1	114 140.1	35 43.0	2 *
Diseases of the circulatory system (I00-I99).....		73 89.7	10 *	5 *	5 *	63 77.4
Neonatal hemorrhage (P50-P52, P54).....		100 122.9	98 120.4	66 81.1	32 39.3	2 *
All other causes.....		1,428 1,754.9	912 1,120.8	637 782.8	275 338.0	516 634.1
2,500 grams or more						
All Causes	553,273	1,716 310.2	485 87.7	269 48.6	216 39.0	1,231 222.5
Congenital malformations (Q00-Q99).....		353 63.8	200 36.1	128 23.1	71 12.8	153 27.7
Short gestation and low birthweight nec (P07).....		5 *	4 *	3 *	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, 2013 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
Black						
Maternal complications of pregnancy (P01).....		7 *	6 *	6 *	- -	1 *
Sudden infant death syndrome (R95).....		329 59.5	24 4.3	1 *	23 4.2	305 55.1
Accidents (unintentional injures) (V01-X59).....		277 50.1	23 4.2	3 *	20 3.6	254 45.9
Complications of placenta, cord, membranes (P02).....		8 *	8 *	8 *	- -	- -
Bacterial sepsis of newborn (P36).....		15 *	14 *	6 *	8 *	1 *
Respiratory distress of newborn (P22).....		1 *	1 *	1 *	- -	- -
Diseases of the circulatory system (I00-I99).....		61 11.0	10 *	4 *	6 *	51 9.2
Neonatal hemorrhage (P50-P52, P54).....		9 *	8 *	6 *	2 *	1 *
All other causes.....		650 117.5	187 33.8	102 18.4	84 15.2	463 83.7
Not stated birthweight						
All Causes	116	37	37	36	1	-
	31,896.6	31,896.6	31,034.5	*	-	-
Congenital malformations (Q00-Q99).....		- -	- -	- -	- -	- -
Short gestation and low birthweight nec (P07).....		14 *	14 *	14 *	- -	- -
Maternal complications of pregnancy (P01).....		13 *	13 *	13 *	- -	- -
Sudden infant death syndrome (R95).....		- -	- -	- -	- -	- -
Accidents (unintentional injures) (V01-X59).....		- -	- -	- -	- -	- -
Complications of placenta, cord, membranes (P02).....		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, 2013 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
Black						
Bacterial sepsis of newborn (P36).....	-	-	-	-	-	-
Respiratory distress of newborn (P22).....	-	-	-	-	-	-
Diseases of the circulatory system (I00-I99).....	1	1	1	1	-	-
Neonatal hemorrhage (P50-P52, P54).....	-	-	-	-	-	-
All other causes.....	8	8	7	1	-	-
American Indian¹						
All birthweights						
All Causes	45,991	350	189	143	46	161
		761.0	410.9	310.9	100.0	350.1
Congenital malformations (Q00-Q99).....	71	52	38	14	19	
	154.4	113.1	82.6	*	*	
Short gestation and low birthweight nec (P07).....	44	42	39	3	2	
	95.7	91.3	84.8	*	*	
Maternal complications of pregnancy (P01).....	19	19	19	-	-	
	*	*	*	-	-	
Sudden infant death syndrome (R95).....	36	2	-	2	34	
	78.3	*	-	*	73.9	
Accidents (unintentional injures) (V01-X59).....	22	4	-	4	18	
	47.8	*	-	*	*	
Complications of placenta, cord, membranes (P02).....	12	12	12	-	-	
	*	*	*	-	-	
Bacterial sepsis of newborn (P36).....	9	9	2	7	-	
	*	*	*	*	-	
Respiratory distress of newborn (P22).....	3	3	3	-	-	
	*	*	*	-	-	
Diseases of the circulatory system (I00-I99).....	8	1	1	-	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, 2013 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 ¹						
Neonatal hemorrhage (P50-P52, P54).....		4	4	3	1	-
		*	*	*	*	-
All other causes.....		121	40	25	15	81
		263.1	87.0	54.4	*	176.1
Less than 2,500 grams						
All Causes	3,449	185	147	122	25	38
		5,363.9	4,262.1	3,537.3	724.8	1,101.8
Congenital malformations (Q00-Q99).....		41	38	30	8	3
		1,188.8	1,101.8	869.8	*	*
Short gestation and low birthweight nec (P07).....		42	40	37	3	2
		1,217.7	1,159.8	1,072.8	*	*
Maternal complications of pregnancy (P01).....		18	18	18	-	-
		*	*	*	-	-
Sudden infant death syndrome (R95).....		4	-	-	-	4
		*	-	-	-	*
Accidents (unintentional injuries) (V01-X59).....		2	1	-	1	1
		*	*	-	*	*
Complications of placenta, cord, membranes (P02).....		11	11	11	-	-
		*	*	*	-	-
Bacterial sepsis of newborn (P36).....		8	8	2	6	-
		*	*	*	*	-
Respiratory distress of newborn (P22).....		3	3	3	-	-
		*	*	*	-	-
Diseases of the circulatory system (I00-I99).....		5	1	1	-	4
		*	*	*	-	*
Neonatal hemorrhage (P50-P52, P54).....		4	4	3	1	-
		*	*	*	*	-
All other causes.....		46	22	16	6	24
		1,333.7	637.9	*	*	695.9
2,500 grams or more						
All Causes	42,536	163	39	18	21	123
		383.2	91.7	*	49.4	289.2

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, 2013 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 ¹						
Congenital malformations (Q00-Q99).....		30	14	8	6	16
		70.5	*	*	*	*
Short gestation and low birthweight nec (P07).....		-	-	-	-	-
		-	-	-	-	-
Maternal complications of pregnancy (P01).....		-	-	-	-	-
		-	-	-	-	-
Sudden infant death syndrome (R95).....		32	2	-	2	30
		75.2	*	-	*	70.5
Accidents (unintentional injuries) (V01-X59).....		20	3	-	3	17
		47.0	*	-	*	*
Complications of placenta, cord, membranes (P02).....		1	1	1	-	-
		*	*	*	-	-
Bacterial sepsis of newborn (P36).....		1	1	-	1	-
		*	*	-	*	-
Respiratory distress of newborn (P22).....		-	-	-	-	-
		-	-	-	-	-
Diseases of the circulatory system (I00-I99).....		3	-	-	-	3
		*	-	-	-	*
Neonatal hemorrhage (P50-P52, P54).....		-	-	-	-	-
		-	-	-	-	-
All other causes.....		75	18	9	9	57
		176.3	*	*	*	134.0
Not stated birthweight						
All Causes	6	3	3	3	-	-
		*	*	*	-	-
Congenital malformations (Q00-Q99).....		-	-	-	-	-
		-	-	-	-	-
Short gestation and low birthweight nec (P07).....		2	2	2	-	-
		*	*	*	-	-
Maternal complications of pregnancy (P01).....		1	1	1	-	-
		*	*	*	-	-
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, 2013 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 ¹						
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.....	-	-	-	-	-	-
Asian or Pacific Islander						
All birthweights						
All Causes	265,673	1,082	794	662	132	288
		407.3	298.9	249.2	49.7	108.4
Congenital malformations (Q00-Q99).....		236	158	123	35	77
		88.8	59.5	46.3	13.2	29.0
Short gestation and low birthweight nec (P07).....		193	190	185	5	3
		72.6	71.5	69.6	*	*
Maternal complications of pregnancy (P01).....		97	97	95	2	-
		36.5	36.5	35.8	*	-
Sudden infant death syndrome (R95).....		38	2	-	2	36
		14.3	*	-	*	13.6
Accidents (unintentional injuries) (V01-X59).....		18	1	1	-	17
		*	*	*	-	*
Complications of placenta, cord, membranes (P02).....		43	43	42	1	-
		16.2	16.2	15.8	*	-
Bacterial sepsis of newborn (P36).....		22	21	10	11	1
		8.3	7.9	*	*	*

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, 2013 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).....		32 12.0	31 11.7	26 9.8	5 *	1 *
Diseases of the circulatory system (I00-I99).....		21 7.9	2 *	1 *	1 *	19 *
Neonatal hemorrhage (P50-P52, P54).....		16 *	16 *	11 *	5 *	- -
All other causes.....		366 137.8	232 87.3	168 63.2	64 24.1	134 50.4
Less than 2,500 grams						
All Causes	22,232	809 3,638.9	681 3,063.2	584 2,626.8	96 431.8	128 575.7
Congenital malformations (Q00-Q99).....		166 746.7	126 566.8	102 458.8	24 108.0	40 179.9
Short gestation and low birthweight nec (P07).....		188 845.6	186 836.6	181 814.1	5 *	2 *
Maternal complications of pregnancy (P01).....		96 431.8	96 431.8	94 422.8	2 *	- -
Sudden infant death syndrome (R95).....		5 *	- -	- -	- -	5 *
Accidents (unintentional injuries) (V01-X59).....		1 *	- -	- -	- -	1 *
Complications of placenta, cord, membranes (P02).....		36 161.9	36 161.9	36 161.9	- -	- -
Bacterial sepsis of newborn (P36).....		17 *	16 *	6 *	10 *	1 *
Respiratory distress of newborn (P22).....		32 143.9	31 139.4	26 116.9	5 *	1 *
Diseases of the circulatory system (I00-I99).....		9 *	1 *	1 *	- -	8 *
Neonatal hemorrhage (P50-P52, P54).....		14 *	14 *	9 *	5 *	- -
All other causes.....		245 1,102.0	174 782.7	129 580.2	45 202.4	70 314.9

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, 2013 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	243,413	269 110.5	109 44.8	74 30.4	35 14.4	160 65.7
Congenital malformations (Q00-Q99).....		70 28.8	32 13.1	21 8.6	11 *	37 15.2
Short gestation and low birthweight nec (P07).....		2 *	1 *	1 *	- -	1 *
Maternal complications of pregnancy (P01).....		1 *	1 *	1 *	- -	- -
Sudden infant death syndrome (R95).....		33 13.6	2 *	- -	2 *	31 12.7
Accidents (unintentional injures) (V01-X59).....		17 *	1 *	1 *	- -	16 *
Complications of placenta, cord, membranes (P02).....		7 *	7 *	6 *	1 *	- -
Bacterial sepsis of newborn (P36).....		5 *	5 *	4 *	1 *	- -
Respiratory distress of newborn (P22).....		- -	- -	- -	- -	- -
Diseases of the circulatory system (I00-I99).....		12 *	1 *	- -	1 *	11 *
Neonatal hemorrhage (P50-P52, P54).....		2 *	2 *	2 *	- -	- -
All other causes.....		120 49.3	57 23.4	38 15.6	19 *	63 25.9
Not stated birthweight						
All Causes	28	4 *	4 *	4 *	- -	- -
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, 2013 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					
Maternal complications of pregnancy (P01).....	-	-	-	-	-
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.....		1	1	1	-
		*	*	*	-

*/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, 2013

[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 2013 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	223	195	179	16	28
White	149	128	118	10	21
Black	68	62	56	6	6
Alabama					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Alaska					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Arizona					
Total	4	2	1	1	2
White	4	2	1	1	2
Black	-	-	-	-	-
Arkansas					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
California					
Total	42	37	35	2	5
White	37	32	30	2	5
Black	5	5	5	-	-
Colorado					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Connecticut					
Total	1	-	-	-	1
White	-	-	-	-	-
Black	1	-	-	-	1
Delaware					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Dist of Columbia					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Florida					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Georgia					
Total	3	3	3	-	-
White	1	1	1	-	-
Black	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, 2013

[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 2013 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	4	4	4	-	-
White	1	1	1	-	-
Black	3	3	3	-	-
Iowa					
Total	1	1	1	-	-
White	1	1	1	-	-
Black	-	-	-	-	-
Kansas					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Kentucky					
Total	4	2	2	-	2
White	3	2	2	-	1
Black	-	-	-	-	-
Louisiana					
Total	7	7	6	1	-
White	1	1	1	-	-
Black	6	6	5	1	-
Maine					
Total	1	1	1	-	-
White	1	1	1	-	-
Black	-	-	-	-	-
Maryland					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Massachusetts					
Total	3	2	2	-	1
White	2	1	1	-	1
Black	1	1	1	-	-
Michigan					
Total	2	1	-	1	1
White	2	1	-	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, 2013

[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 2013 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	4	1	-	1	3
White	1	-	-	-	1
Black	3	1	-	1	2
Montana					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Nebraska					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Nevada					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
New Hampshire					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
New Jersey					
Total	8	7	7	-	1
White	8	7	7	-	1
Black	-	-	-	-	-
New Mexico					
Total	2	1	1	-	1
White	2	1	1	-	1
Black	-	-	-	-	-
New York					
Total	5	4	3	1	1
White	5	4	3	1	1
Black	-	-	-	-	-
New York City					
Total	3	3	3	-	-
White	2	2	2	-	-
Black	1	1	1	-	-
North Carolina					
Total	3	-	-	-	3
White	2	-	-	-	2
Black	1	-	-	-	1
North Dakota					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Ohio					
Total	14	14	11	3	-
White	7	7	5	2	-
Black	7	7	6	1	-
Oklahoma					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-

Documentation Table 6. Unlinked infant deaths by race, age at death, and state of residence: United States and each state, 2013

[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 2013 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
Oregon					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Pennsylvania					
Total	6	4	3	1	2
White	4	2	1	1	2
Black	2	2	2	-	-
Rhode Island					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
South Carolina					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
South Dakota					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Tennessee					
Total	2	2	2	-	-
White	-	-	-	-	-
Black	2	2	2	-	-
Texas					
Total	100	95	90	5	5
White	62	59	57	2	3
Black	33	31	28	3	2
Utah					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Vermont					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Virginia					
Total	2	2	2	-	-
White	2	2	2	-	-
Black	-	-	-	-	-
Washington					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
West Virginia					
Total	2	2	2	-	-
White	1	1	1	-	-
Black	1	1	1	-	-
Wisconsin					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-

Documentation Table 6. Unlinked infant deaths by race, age at death, and state of residence: United States and each state, 2013

[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 2013 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	1	1	1	-	-
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.