User Guide
to the
2012 Period Linked
Birth/Infant Death
Public Use File
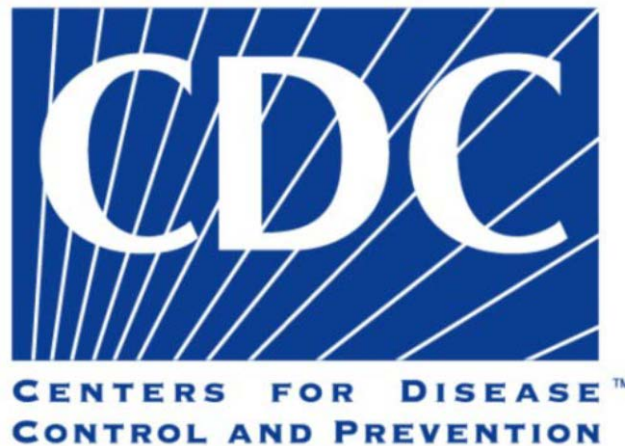
2012 Period Linked Birth/Infant Death Data Set

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External Links

[User's Guide for the 2012 Natality File](#)

[Mortality Data internet page](#)

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 2012 period linked file. Differences between period and birth cohort data are outlined below.

Period data - The numerator for the 2012 period linked file consists of all infant deaths occurring in 2012 linked to their corresponding birth certificates, whether the birth occurred in 2011 or 2012. The denominator file for this data set is the 2012 natality file, that is, all births occurring in 2012.

The 2012 period linked birth/infant death data set includes several data files. The first file includes all US infant deaths which occurred in the 2012 data year linked to their corresponding birth certificates, whether the birth occurred in 2011 or 2012 - 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 2012 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, the Virgin Islands, 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 . Thirty-eight states, the District of Columbia (DC), Guam, and Puerto Rico, representing 86 percent of all U.S. births, implemented the 2003 revision on or before January 1, 2012. Where comparable, revised data are combined with data from the remaining reporting areas. Where data for the 1989 and 2003 certificate revisions are not comparable (e.g., educational attainment of the mother), unrevised and revised data are given in separate fields in the data file.

This file includes mortality data for thirty nine states and the District of Columbia, which implemented the 2003 revision of the U.S. Standard Certificate of Death as of January 1, 2012. 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 2012 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 <u>2012 Natality User Guide</u>). 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 2012 linked file contains information on infants born in both 2011 and 2012. As reporting areas changed between 2011 and 2012, 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 2011 and 2012. 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 2012 linked file are different from those for the 2012 birth file, as items had to be reported by a state in both 2011 and 2012 to be able to provide complete data. Thus, data for non-comparable items from states that revised in 2012 are excluded from all tabulations.   Positions for reporting flags are noted along with each data item in the file layout. Reporting flags <u>must be invoked</u> 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 2012 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. Accordingly, use of the reporting flag for this item will produce 2012 data for the month prenatal care began for the thirty-eight and DC revised states which had implemented the revised certificate by January 1st 2012.

<u>Sample SAS program</u>
```
01      DATA work;
02              INFILE 'C:VS12LINK.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:VS12LINK.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 ('ID','KY','NY','PA','SC','TN','WA');
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 2012 data, forty-one states and DC reported multiple race data, representing 90% of all U.S. births. For the 2012 period linked file, complete data for both 2011 and 2012 births are available from 40 states and DC, representing 86% of all U.S. births.

In 2012, 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:

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

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, Virgin Islands, 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 3.98 to 0.56% in the numerator file, and from 0.10 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 2012 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 2012 linked file for the 50 States and D.C. includes 23,444 linked infant death records and 229 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 23,673.

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. Note in particular the percent linked for Georgia (97.0), Oklahoma (97.7), and Texas (96.3). 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, 2012 linked file

United States	99.0		Nebraska	99.3
Alabama	100.0		Nevada	100.0
Alaska	98.2		New Hampshire	100.0
Arizona	99.6		New Jersey	98.7
Arkansas	99.6		New Mexico	99.4
California	98.3		New York State	99.4
Colorado	100.0		New York City	99.7
Connecticut	98.9		North Carolina	100.0
Delaware	100.0		North Dakota	100.0
District of Columbia	99.4		Ohio	98.9
Florida	99.8		Oklahoma	97.7
Georgia	97.0		Oregon	100.0
Hawaii	98.9		Pennsylvania	99.3
Idaho	100.0		Rhode Island	100.0
Illinois	99.7		South Carolina	100.0
Indiana	99.3		South Dakota	100.0
Iowa	100.0		Tennessee	99.7
Kansas	100.0		Texas	96.6
Kentucky	99.1		Utah	99.3
Louisiana	98.2		Vermont	100.0

Maine	100.0	Virginia	99.4
Maryland	100.0	Washington	99.8
Massachusetts	100.0	West Virginia	100.0
Michigan	99.5	Wisconsin	100.0
Minnesota	100.0	Wyoming	100.0
Mississippi	99.0	Puerto Rico	100.0
Missouri	99.7	Virgin Islands	87.5
Montana	100.0	Guam	100.0

Confidentiality

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

Documents

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

A.	National Center for Health Statistics. Vital statistics, Instructions for Classifying the Underlying Cause-of-Death, ICD-10, 2014. NCHS Instruction Manual, Part 2a. Hyattsville, Maryland: Public Health Service.

B.	National Center for Health Statistics. Vital statistics, Instructions for Classifying Multiple Cause-of-Death, ICD-10, 2014. NCHS Instruction Manual, Part 2b. Hyattsville, Maryland: Public Health Service.

C.	National Center for Health Statistics. Vital statistics, ICD-10 ACME Decision Tables for Classifying Underlying Causes-of-Death, 2014. NCHS Instruction Manual, Part 2c. Hyattsville, Maryland: Public Health Service.

D.	National Center for Health Statistics. Specifications for U.S. Standard Certificate of Birth – 2003 Revision. NCHS Instruction manual, Part 3A. Hyattsville, Maryland: Public Health Service.

E.   National Center for Health Statistics. Specifications for U.S. Standard Certificate of Death – 2003 Revision. NCHS Instruction manual, Part 4. Hyattsville, Maryland: Public Health Service.

F.   National Center for Health Statistics. Vital statistics, Computer Edits for Natality Data, Effective 1993. NCHS Instruction Manual Part 12. Hyattsville, Maryland: Public Health Service.

G.   National Center for Health Statistics. Vital statistics, Computer Edits for Mortality Data, Effective 2012. NCHS Instruction Manual Part 11. Hyattsville, Maryland: Public Health Service.

Instructions manuals are available at:
http://www.cdc.gov/nchs/nvss/instruction_manuals.htm

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.

2012 Period Linked Birth/Infant Death Data Set

Numerator Files:

    <u>United States</u>
    A. Record count: 23,444
    B. Record length: 1,259
    C. Data counts: a. By occurrence: 23,444
                                              b. By residence: 23,425
                                              c. To foreign residents: 19

    <u>Territories</u>
    A. Record count: 416
    B. Record length: 1,259

Denominator Files:

    <u>United States</u>
    A. Record count: 3,960,796
    B. Record length: 868
    C. Data counts: a. By occurrence: 3,960,796
                                              b. By residence: 3,952,841
                                              c. To foreign residents: 7,955

    <u>Territories</u>
    A. Record count: 44,049
    B. Record length: 868

Unlinked Files:

    <u>United States</u>
    A. Record count: 229
    B. Record length: 1,259

    <u>Territories</u>
    A. Record count: 1
    B. Record length: 1,259

Linked 2012 Data Elements and Locations

Data Items	Denominator File	Numerator File Birth	Death	Unlinked File
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.

2012 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	State used the 2003 version of the US Standard Birth Certificate (Revised)
						U	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	Not late record
						1	Late record
10-14	5	FILLER	**Filler**				
15-18	4	DOB_YY	**Birth Year**		U,R	2011	2011
						2012	2012
19-20	2	DOB_MM	**Birth Month**		U,R	01	January
						02	February
						03	March
						04	April
						05	May
						06	June
						07	July
						08	August
						09	September
						10	October
						11	November
						12	December
21-24	4	FILLER	**Filler**				
25-28	4	DOB_TT	**Birth Time**	c571	R	0000-2359	Time of Birth
						9999	Not Stated
29	1	DOB_WK	**Weekday**		U,R	1	Sunday
						2	Monday
						3	Tuesday
						4	Wednesday
						5	Thursday

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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-nnn	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	County of 1,000,000 or more
						1	County of 500,000 to 1,000,000
						2	County of 250,000 to 500,000
						9	County less than 250,000
41	1	BFACIL	**Birth Place (Revised)**	676	R	1	Hospital
						2	Freestanding Birth Center
						3	Home (intended)
						4	Home (not intended)
						5	Home (unknown if intended)
						6	Clinic / Doctor's Office
						7	Other
						9	Unknown
42	1	UBFACIL	**Birth Place**		U,R	1	Hospital
						2	Freestanding Birthing Center
						3	Clinic / Doctor's Office
						4	Residence
						5	Other
						9	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	In Hospital
						2	Not in Hospital
						3	Unknown or Not Stated
60-86	27	FILLER	**Filler**				
87	1	MAGE_IMPFLG	**Mother's Age Imputed**		U,R	Blank	Age not imputed
						1	Age imputed
88	1	MAGE_REPFLG	**Reported Age of Mother Flag**		U,R	Blank	Reported age not used
						1	Reported age used
89-90	2	MAGER	**Mother's Age Recode 41**		U,R	12	10 – 12 years
						13	13 years
						14	14 years
						15	15 years
						16	16 years
						17	17 years
						18	18 years
						19	19 years
						20	20 years
						21	21 years
						22	22 years
						23	23 years
						24	24 years
						25	25 years
						26	26 years
						27	27 years
						28	28 years
						29	29 years
						30	30 years
						31	31 years
						32	32 years
						33	33 years
						34	34 years
						35	35 years
						36	36 years
						37	37 years

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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** United States		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.
			Territories			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. ** Also includes unrevised states that report multiple race.	R**		01	White – single race
						02	Black – single race
						03	American Indian – single race
						04	Asian Indian – single race
						05	Chinese – single race
						06	Filipino – single race
						07	Japanese – single race
						08	Korean – single race
						09	Vietnamese – single race
						10	Other Asian – single race
						11	Hawaiian – single race
						12	Guamanian – single race
						13	Samoan – single race
						14	Other Pacific Islander – single race
						21	White – bridged multiple race
						22	Black – bridged multiple race
						23	American Indian & Alaskan Native – bridged multiple race
						24	Asian / Pacific Islander – bridged multiple race
						Blank	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
141-142	2	MRACE	**Mother's Race**	650 (API groups)	U		
			United States			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.
			Puerto Rico			01	White
						02	Black
						00	Other races
			Guam			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
			All other Territories			01	White
						02	Black
						03	American Indian or Alaskan Natives
						04	Chinese

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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		
			United States and non-Puerto Rican Territories			1	White
						2	Black
						3	American Indian / Alaskan Native
						4	Asian / Pacific Islander
			Puerto Rico			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	Yes
						N	No
						U	Unknown
						X	Not Applicable
153	1	MAR	**Mother's Marital Status**	652	U,R		
			United States & all non-Puerto Rican Territories			1	Yes
						2	No
						9	Unknown or not Stated
			Puerto Rico			1	Yes
						2	Unmarried parents living together
						3	Unmarried parents not living together
						9	Unknown or not stated
154	1	MAR_IMP	**Mother's Marital Status Imputed**		U,R	Blank	Marital Status not imputed
						1	Marital Status imputed
155	1	MEDUC	**Mother's Education –Revised**	571	R	1	8th grade or less
						2	9th through 12th grade with no diploma
						3	High school graduate or GED completed
						4	Some college credit, but not a degree.
						5	Associate degree (AA,AS)
						6	Bachelor's degree (BA, AB, BS)
						7	Master's degree (MA, MS, MEng, MEd, MSW, MBA)
						8	Doctorate (PhD, EdD) or Professional Degree (MD, DDS, DVM, LLB, JD)
						9	Unknown
156-174	19	FILLER	**Filler**				
175	1	FAGERPT_FLG	**Father's Reported Age Used**		U,R	Blank	Father's reported age not used
						1	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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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	Father's combined age in years
						99	Unknown or not stated
186-187	2	FAGEREC11	**Father's Age Recode 11**		U,R	01	Under 15 years
						02	15-19 years
						03	20-24 years
						04	25-29 years
						05	30-34 years
						06	35-39 years
						07	40-44 years
						08	45-49 years
						09	50-54 years
						10	55-98 years
						11	Not stated
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	White – single race
						02	Black – single race
						03	American Indian – single race
						04	Asian Indian – single race
						05	Chinese – single race
						06	Filipino – single race
						07	Japanese – single race
						08	Korean – single race
						09	Vietnamese – single race
						10	Other Asian – single race
						11	Hawaiian – single race
						12	Guamanian – single race
						13	Samoan – single race
						14	Other Pacific Islander – single race
						21	White – bridged multiple race
						22	Black – bridged multiple race
						23	American Indian & Alaskan Native – bridged multiple race
						24	Asian / Pacific Islander – bridged multiple race
						99	Unknown or not stated, also includes states not reporting multiple race
						Blank	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/Hisp 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	8th grade or less
						2	9th through 12th 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		
			United States			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
			Puerto Rico			01	White
						03	Black
						00	Other races not classified white or black
						99	Unknown or not stated
			Guam			01	White
						02	Black
						03	American Indian & Alaskan Natives
						04	Chinese

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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
			All other Territories			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	1st to 3rd month
						2	4th to 6th month
						3	7th to final month
						4	No prenatal care
						5	Unknown or not stated
248-269	22	FILLER	**Filler**				
270-271	2	UPREVIS	**Number of Prenatal Visits**	671	U,R	00-49	Number of prenatal visits
						99	Unknown or not stated
272-273	2	PREVIS_REC	**Number of Prenatal Visits Recode**	671	U,R	01	No visits
						02	1 to 2 visits
						03	3 to 4 visits
						04	5 to 6 visits
						05	7 to 8 visits
						06	9 to 10 visits
						07	11 to 12 visits
						08	13 to 14 visits
						09	15 to 16 visits
						10	17 to 18 visits
						11	19 or more visits
						12	Unknown or not stated
274-275	2	FILLER	**Filler**				
276-277	2	WTGAIN	**Weight Gain**	648	U,R	00-97	Weight gain in pounds
						98	98 pounds and over
						99	Unknown or not stated
278	1	WTGAIN_REC	**Weight Gain Recode**	648	U,R	1	Less than 11 pounds
						2	11 to 20 pounds
						3	21 to 30 pounds
						4	31 to 40 pounds
						5	41 to 98 pounds
						9	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		**Risk Factors (Revised)** The checkbox items indented below follow this code structure:		R	Y N U	Yes No Unknown or not stated
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				

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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	Yes
						N	No
						X	Not applicable
						U	Unknown or not stated
323	1	RF_ARTEC	**Asst. Reproductive Technology**	592	R	Y	Yes
						N	No
						X	Not applicable
						U	Unknown or not stated
324	1	RF_CESAR	**Previous Cesareans**	593	R	Y	Yes
						N	No
						U	Unknown or not stated
325-326	2	RF_CESARN	**Previous Cesareans Num**	594	R	00	None
						01-30	Number of previous cesareans
						99	Unknown or not stated
327-330	4	FILLER	**Filler**				
331-337	7	**Risk Factors**	The checkbox items indented below follow this structure:		U,R	1	Yes
						2	No
331	1	URF_DIAB	**Diabetes**	684		9	Unknown
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	**Infections Present**	The checkbox items indented below follow this structure:		R	Y	Yes
						N	No
						U	Unknown or not stated

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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	Y	Yes
			The checkbox items indented below follow this structure:			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
365	1	LD_INDL	**Induction of Labor**	608		U	Unknown or not stated
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	**Complications of Labor and Delivery**			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	**Method of Delivery (Revised)**					
	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	**Method of Delivery (Unrevised)**					

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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	**Maternal Morbidity**			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	Yes
						N	No
						U	Unknown
412	1	PAY	**Payment Source**	580	R	1	Medicaid
						2	Private Insurance
						3	Self-Pay
						4	Indian Health Service
						5	CHAMPUS/TRICARE
						6	Other Government (Federal, State, Local)
						8	Other
						9	Unknown
413	1	PAYR	**Payment Recode**	678	R	1	Medicade
						2	Private Insurance
						3	Self Pay
						4	Other
						9	Unknown
414	1	FILLER	**Filler**				
415	2	APGAR5	**Five Minute APGAR Score**	574	U,R	00-10	A score of 0-10
						99	Unknown or not stated
417	1	APGAR5R	**Five Minute APGAR Recode**	574	U,R	1	A score of 0-3
						2	A score of 4-6
						3	A score of 7-8
						4	A score of 9-10
						5	Unknown or not stated
418	2	APGAR10	**Ten Minute APGAR Score**	c579	R	00-10	A score of 0-10
						88	Not applicable
						99	Unknown or not stated
420	1	APGAR10R	**Ten Minute APGAR Recode**	c579	R	1	A score of 0-3
						2	A score of 4-6
						3	A score of 7-8
						4	A score of 9-10
						5	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	17th through 47th 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	17th through 47th 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		**Abnormal Conditions of the Newborn (Revised)**		R		
			The checkbox items indented below follow this structure:			Y	Yes, Complication reported
						N	No Complication reported
						U	Unknown or not stated
	476	1	AB_AVEN1	**Assisted Ventilation** 628		Blank	Not on Certificate
	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		**Congenital Anomalies of the Newborn (Revised)**		R		
			The checkbox items indented below follow this structure:			Y	Yes, anomaly reported
						N	No, anomaly not reported
						U	Unknown
	492	1	CA_ANEN	**Anencephaly** 635		Blank	Not on certificate
	493	1	CA_MNSB	**Meningomyelocele / Spina Bifida** 636			
	494	1	CA_CCHD	**Cyonotic 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	Confirmed
						P	Pending
						N	No
						U	Unknown
						Blank	Not on certificate
502		1	CA_DISOR	**Suspected Chromosomal Disorder**	645	R	C	Confirmed
						P	Pending
						N	No
						U	Unknown
						Blank	Not on certificate
503		1	CA_HYPO	**Hypospadias**	646	R	Y	Yes, anomaly reported
						N	No, anomaly not reported
						U	Unknown
						Blank	Not on certificate
504-523		20		**Congenital Anomalies of the Newborn**		U,R		
				The checkbox items indented below follow this structure:			1	Anomaly reported
							2	Anomaly not reported
							9	Anomaly not classifiable
	504	1	UCA_ANEN	**Anencephalus**	752		Blank	Not on certificate
	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	**Diaphramatic Hernia**	769			
	522	1	FILLER	**Filler**				
	523	1	UCA_DOWNS	**Downs Syndrome**	771			

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 / 1st 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 (1st 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	Plural delivery
						004-300	Months since last live birth
						888	Not applicable / 1st natality event
						999	Unknown or not stated
542-543	2	ILOP	**Interval of Last Other Pregnancy Recode 11** c571		R	00	Zero to 3 months (plural delivery)
						01	4-11 months
						02	12-17 months
						03	18-23 months
						04	24-35 months
						05	36-47 months
						06	48-59 months
						07	60-71 months
						08	72 months and over
						88	Not applicable (1st natality event)
						99	Unknown or not stated
544-546	3	ILP	**Interval of Last Pregnancy** c571		R	000-003	Plural delivery
						004-300	Months since last live birth
						888	Not applicable / no previous pregnancy
						999	Unknown or not stated
547-548	2	ILP_R11	**Interval of Last Pregnancy Recode 11** c571		R	00	Zero to 3 months (plural delivery)
						01	4-11 months
						02	12-17 months
						03	18-23 months
						04	24-35 months
						05	36-47 months
						06	48-59 months
						07	60-71 months
						08	72 months and over
						88	Not applicable (no previous pregnancy)
						99	Unknown or not stated
549-551	3	PWgt_R	**Pre-pregnancy Weight Recode** 577		R	075-375	Weight in pounds
						999	Unknown or not stated
552-554	3	DWgt_R	**Delivery Weight Recode** 578		R	100-400	Weight in pounds
						999	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	Height in inches
						99	Unknown or not stated
557	1	SetOrder_R	**Set Order Recode**	c571	R	1	1st
						2	2nd
						3	3rd
						4	4th
						5	5th to 16th
						9	Unknown or not stated
558-568	11	FILLER	**Filler**				
569-771	203		**Flag File for Reporting Flags**				
			The reporting flags indented below follow this coding structure:			0	Not reported either year
						1	Reported both years
						2	Reported in 2008/Not reported in 2009
						3	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 1st Trimester		R		
674	1	F_CIGS_2	Cigarettes 2nd Trimester		R		
675	1	F_CIGS_3	Cigarettes 3rd 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	Record in both files
						Blank	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	Under 1 hour
						2	1 – 23 hours
						3	1 – 6 days
						4	7 – 27 days (late neonatal)
						5	28 days and over (postneonatal)
876-877	2	AGER22	Infant age recode 22			Blank	Age 1 year and over or not stated
						01	Under 1 hour (includes not stated hours and minutes)
						02	1 – 23 hours
						03	1 day (includes not stated days)
						04	2 days
						05	3 days
						06	4 days
						07	5 days
						08	6 days
						09	7 days (includes not stated weeks)
						10	14 – 20 days
						11	21 – 27 days
						12	1 month (includes not stated months)
						13	2 months
						14	3 months
						15	4 months
						16	5 months
						17	6 months
						18	7 months
						19	8 months
						20	9 months
						21	10 months
						22	11 months
878	1	MANNER	Manner of Death			1	Accident
						2	Suicide
						3	Homicide
						4	Pending investigation
						5	Could not determine
						6	Self-inflicted

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						7	Natural
						Blank	Not specified
879	1	DISPO	Method of Disposition			B	Burial
						C	Cremation
						O	Other
						U	Unknown
880	1	AUTOPSY	Autopsy			Y	Yes
						N	No
						U	Unknown
881	1	FILLER	**Filler**				
882	1	PLACE	Place of injury for causes W00-Y34, except Y06.- and Y07.-			0	Home
						1	Residential institution
						1	School, other institution and public administrative area
						2	Sports and athletics area
						3	Street and highway
						4	Trade and service area
						5	Industrial and construction area
						6	Farm
						7	Other Specified Places
						8	Unspecified place
						Blank	Cause other than W00-Y34, except Y06.- and Y07.-
883	1	FILLER	**Filler**				
884-891			**UNDERLYING CAUSE OF DEATH**				
884-887	4	UC0D	ICD Code (10th Revision) See the International Classification of Diseases, 1992 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.XXXXXX	
901-902	2	FILLER	**Filler**				
903-1148	246	**MULTIPLE CONDITIONS**					
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 7th 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	1st Condition
912-918	7	2nd Condition
919-925	7	3rd Condition
926-932	7	4th Condition
933-939	7	5th Condition
940-946	7	6th Condition
947-953	7	7th Condition
954-960	7	8th Condition
961-967	7	9th Condition

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
968-974	7		10th Condition				
975-981	7		11th Condition				
982-988	7		12th Condition				
989-995	7		13th Condition				
996-1002	7		14th Condition				
1003-1009	7		15th Condition				
1010-1016	7		16th Condition				
1017-1023	7		17th Condition				
1024-1030	7		18th Condition				
1031-1037	7		19th Condition				
1038-1044	7		20th 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 5th 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		1st Condition				
1054-1058	5		2nd Condition				
1059-1063	5		3rd Condition				
1064-1068	5		4th Condition				
1069-1073	5		5th Condition				
1074-1078	5		6th Condition				
1079-1083	5		7th Condition				
1084-1088	5		8th Condition				
1089-1093	5		9th Condition				
1094-1098	5		10th Condition				
1099-1103	5		11th Condition				
1104-1108	5		12th Condition				
1109-1113	5		13th Condition				
1114-1118	5		14th Condition				
1119-1123	5		15th Condition				

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
1124-1128	5		16th Condition				
1129-1133	5		17th Condition				
1134-1138	5		18th Condition				
1139-1143	5		19th Condition				
1144-1148	5		20th Condition				
1149-1150	2	FILLER	**Filler**				
1151	1	D_RESTATUS	Death Resident Status				
			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 Territory of occurrence and residence are different, but both are a Territory.
						4	FOREIGN RESIDENTS Occurred in Virgin Islands to a resident of any other place.
			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	State of Occurrence (FIPS) of Death (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	County of Occurrence (FIPS) of Death 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	State of Residence (FIPS) (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	Puerto Rico
						VI	Virgin Islands
						GU	Guam
			Foreign residents			CC	Canada
						MX	Mexico
						CU	Cuban
						YY	Remainder of world
			Puerto Rico Occurrence			PR	Puerto Rico
						US,ZZ	Foreign residents
			Virgin Islands Occurrence			VI	Virgin Islands
						US, ZZ	Foreign residents
			Guam Occurrence			GU	Guam
						US	U.S. resident. Also considered a resident of Guam.
						ZZ	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	Puerto Rico
						VI	Virgin Islands
						GU	Guam
			Foreign residents			CC	Canada
						MX	Mexico
						CU	Cuba
						YY	Remainder of the world
			Puerto Rico Occurrence			PR	Puerto Rico
						US,ZZ	Foreign residents
			Virgin Islands Occurrence			VI	Virgin Islands
						US,ZZ	Foreign residents

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
			Guam Occurrence			GU	Guam
						US	U.S. resident. Also considered a resident of Guam.
						ZZ	Foreign residents
1166-1168	3	CNTYRFPD	County of Residence (FIPS) of Death This item is available in the territory file only, geography codes are not available in the US file.			000	Foreign residents
						001-nnn	Code range
						999	County less than 250,000 population
1169-1181	13	FILLER	**Filler**				
1182	1	CNTRSPPD	Population Size of County of Residence of Death This item is available in the territory file only, geography codes are not available in the US file.			0	County of 1,000,000 or more
						1	County of 500,000 to 1,000,000
						2	County of 250,000 to 500,000
						9	County of less than 250,000
						Z	Foreign residents
1183-1185	3	FILLER	**Filler**				
1186	1	HOSPD	Place of Death and Decendent's Status			1	Hospital, clinic or Medical Center – Inpatient
						2	Hospital, clinic or Medical Center – Outpatient or admitted to Emergency Room
						3	Hospital, clinic or Medical Center – Dead on Arrival
						4	Decedent's home
						5	Hospice facility
						6	Nursing home/long term care
						7	Other
						9	Place of death unknown
1187	1	WEEKDAYD	Day of Week of Death			1	Sunday
						2	Monday
						3	Tuesday
						4	Wednesday
						5	Thursday
						6	Friday
						7	Saturday
						9	Unknown

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
1188-1191	4	DTHYR	Death Year			2012	2012
1192-1257	66	FILLER	**Filler**				
1258-1259	2	DOD_MM	Month of Death			01	January
						02	February
						03	March
						04	April
						05	May
						06	June
						07	July
						08	August
						09	September
						10	October
						11	November
						12	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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     130   S Limited
     Recode T Sex Age Cause Title and ICD-10 Codes Included

     056   Influenza (J10-J11)
     057   Pneumonia (J12-J18)
     058   Acute bronchitis and acute bronchiolitis (J20-J21)
     059   Bronchitis, chronic and unspecified (J40-J42)
     060   Asthma (J45-J46)
     061   Pneumonitis due to solids and liquids (J69)
     062   Other and unspecified diseases of respiratory system
                                 (J22,J30-J39,J43-J44,J47-J68,J70-J98)
     063   1   Diseases of the digestive system (K00-K92)
     064   Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)
     065   Hernia of abdominal cavity and intestinal obstruction without hernia
                                 (K40-K46,K56)
     066   All other and unspecified diseases of digestive system (K00-K28,K30-K38,K57-K92)
     067   1   Diseases of the genitourinary system (N00-N95)
     068   Renal failure and other disorders of kidney (N17-N19,N25,N27)
     069   Other and unspecified diseases of genitourinary system
                                 (N00-N15,N20-N23,N26,N28-N95)
     070   1   Certain conditions originating in the perinatal period (P00-P96)
     071   1   Newborn affected by maternal factors and by complications of pregnancy, labor and
                           delivery (P00-P04)
     072   Newborn affected by maternal hypertensive disorders (P00.0)
     073   Newborn affected by other maternal conditions which may be unrelated to present
                                 pregnancy (P00.1-P00.9)
     074   1   Newborn affected by maternal complications of pregnancy (P01)
     075   Newborn affected by incompetent cervix (P01.0)
     076   Newborn affected by premature rupture of membranes (P01.1)
     077   Newborn affected by multiple pregnancy (P01.5)
     078   Newborn affected by other maternal complications of pregnancy
                                 (P01.2-P01.4,P01.6-P01.9)
     079   1   Newborn affected by complications of placenta, cord and membranes (P02)
     080   Newborn affected by complications involving placenta (P02.0-P02.3)
     081   Newborn affected by complications involving cord (P02.4-P02.6)
     082   Newborn affected by chorioamnionitis (P02.7)
     083   Newborn affected by other and unspecified abnormalities of membranes
                                 (P02.8-P02.9)
     084   Newborn affected by other complications of labor and delivery (P03)
     085   Newborn affected by noxious influences transmitted via placenta or breast milk
                                 (P04)
     086   1   Disorders related to length of gestation and fetal malnutrition (P05-P08)
     087   Slow fetal growth and fetal malnutrition (P05)
     088   1   Disorders related to short gestation and low birthweight, not elsewhere
                           classified (P07)
     089   Extremely low birthweight or extreme immaturity (P07.0,P07.2)
     090   Other low birthweight or preterm (P07.1,P07.3)
     091   Disorders related to long gestation and high birthweight (P08)
     092   Birth trauma (P10-P15)
     093   1   Intrauterine hypoxia and birth asphyxia (P20-P21)
     094   Intrauterine hypoxia (P20)
     095   Birth asphyxia (P21)
     096   Respiratory distress of newborn (P22)
     097   1   Other respiratory conditions originating in the perinatal period (P23-P28)
     098   Congenital pneumonia (P23)
     099   Neonatal aspiration syndromes (P24)
     100   Interstitial emphysema and related conditions originating in the perinatal period
                                 (P25)
     101   Pulmonary hemorrhage originating in the perinatal period (P26)
     102   Chronic respiratory disease originating in the perinatal period (P27)
     103   Atelectasis (P28.0-P28.1)
     104   All other respiratory conditions originating in the perinatal period
                                 (P28.2-P28.9)
     105   1   Infections specific to the perinatal period (P35-P39)
     106   Bacterial sepsis of newborn (P36)
     107   Omphalitis of newborn with or without mild hemorrhage (P38)

    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

     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)

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

 158   Other external causes (X60-X84,Y10-Y36)

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, 2012 Period Data.
                    (Residence of birth is of the mother)

| | Live births | | Infant deaths | | | |
| | | | Unweighted | | Weighted 1/ | |
State	Occurence	Residence	Occurence	Residence	Occurence	Residence
United States /2	3960796	3952841	23444	23425	23673	23654
Alabama	56941	58448	506	519	506	519
Alaska	11054	11187	56	57	56	57
Arizona	87207	86441	496	497	499	500
Arkansas	37342	38347	246	268	249	271
California	504634	503755	2208	2206	2246	2244
Colorado	65643	65187	316	297	316	297
Connecticut	37294	36539	181	189	184	192
Delaware	11381	11023	85	84	85	84
Dist of Columbia	13972	9399	105	74	105	74
Florida	213402	213148	1312	1301	1317	1306
Georgia	131921	130280	810	802	820	812
Hawaii	18986	18980	88	91	89	92
Idaho	22482	22963	111	125	111	125
Illinois	155813	159160	978	1033	981	1036
Indiana	84201	83227	554	554	558	558
Iowa	38427	38702	187	206	187	206
Kansas	41174	40341	242	254	242	254
Kentucky	53370	55758	358	398	361	401
Louisiana	62585	62642	500	497	512	509
Maine	12594	12798	88	89	88	89
Maryland	70417	72883	442	461	444	463
Massachusetts	72827	72439	317	305	317	305
Michigan	112159	113091	777	781	780	784
Minnesota	68053	68772	348	345	348	345
Mississippi	37787	38669	315	344	315	344
Missouri	76412	75446	541	493	547	498
Montana	12072	12118	69	72	69	72
Nebraska	26282	25942	132	120	133	121
Nevada	34622	34911	169	171	170	172
New Hampshire	12578	12352	56	52	56	52
New Jersey	101632	104230	419	458	424	463
New Mexico	26150	27068	167	184	167	184
New York	119023	121354	639	663	646	670
New York City	123231	119562	555	537	555	537
North Carolina	121138	119831	903	886	903	886
North Dakota	11508	10106	71	64	71	64
Ohio	139071	138483	1043	1021	1057	1034
Oklahoma	51758	52751	392	394	395	397
Oregon	45567	45067	257	241	257	241
Pennsylvania	142009	142514	1043	997	1051	1005
Rhode Island	11652	10926	79	71	79	71
South Carolina	54258	57155	397	425	400	428
South Dakota	12713	12104	103	101	103	101
Tennessee	85600	80371	658	578	662	582
Texas	389896	382727	2176	2150	2258	2231
Utah	52516	51465	259	248	259	248
Vermont	5687	6009	29	26	29	26
Virginia	101412	103013	647	664	651	668
Washington	87358	87463	454	459	455	460
West Virginia	21152	20827	147	149	147	149
Wisconsin	66975	67295	379	382	379	382
Wyoming	6858	7572	34	42	34	42
Foreign Residents	-	7955	-	19	-	19
Puerto Rico	38971	38900	366	358	366	358
Virgin Islands	1480	1415	8	12	8	12
Guam	3598	3590	42	41	42	41

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, 2012 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..............	3,952,841	6,568	10,332	11,435	12,948	16,045	61,627	198,155	3,635,053	678
Infant deaths...........	23,654	5,554	4,148	1,370	752	655	1,510	2,022	7,510	132
Infant mortality rate....	5.98	845.62	401.47	119.81	58.08	40.82	24.50	10.20	2.07	194.69
Male										
Live births..............	2,021,434	3,365	5,131	5,962	6,630	8,156	30,087	90,615	1,871,114	374
Infant deaths...........	13,170	2,904	2,400	841	425	356	790	1,065	4,300	89
Infant mortality rate....	6.52	863.00	467.75	141.06	64.10	43.65	26.26	11.75	2.30	237.97
Female										
Live births..............	1,931,407	3,203	5,201	5,473	6,318	7,889	31,540	107,540	1,763,939	304
Infant deaths...........	10,484	2,650	1,748	529	327	299	721	956	3,209	43
Infant mortality rate....	5.43	827.35	336.09	96.66	51.76	37.90	22.86	8.89	1.82	141.45
White										
Both sexes										
Live births..............	2,999,820	3,618	5,880	6,970	8,186	10,463	41,206	133,042	2,789,966	489
Infant deaths...........	15,264	3,130	2,491	892	508	430	1,044	1,393	5,309	67
Infant mortality rate....	5.09	865.12	423.64	127.98	62.06	41.10	25.34	10.47	1.90	137.01
Male										
Live births..............	1,535,177	1,831	2,918	3,692	4,208	5,366	20,292	61,303	1,435,305	262
Infant deaths...........	8,438	1,588	1,427	548	278	230	544	738	3,045	40
Infant mortality rate....	5.50	867.29	489.03	148.43	66.06	42.86	26.81	12.04	2.12	152.67
Female										
Live births..............	1,464,643	1,787	2,962	3,278	3,978	5,097	20,914	71,739	1,354,661	227
Infant deaths...........	6,826	1,542	1,064	345	231	200	500	655	2,264	26
Infant mortality rate....	4.66	862.90	359.22	105.25	58.07	39.24	23.91	9.13	1.67	114.54
Black										
Both sexes										
Live births..............	634,126	2,565	3,862	3,735	3,881	4,403	15,500	47,827	552,206	147
Infant deaths...........	6,896	2,091	1,402	387	197	169	362	499	1,731	59
Infant mortality rate....	10.87	815.20	363.02	103.61	50.76	38.38	23.35	10.43	3.13	401.36
Male										
Live births..............	322,164	1,344	1,904	1,881	1,953	2,172	7,322	21,163	284,334	91
Infant deaths...........	3,892	1,146	826	235	120	97	187	257	979	45
Infant mortality rate....	12.08	852.68	433.82	124.93	61.44	44.66	25.54	12.14	3.44	494.51
Female										
Live births..............	311,962	1,221	1,958	1,854	1,928	2,231	8,178	26,664	267,872	56
Infant deaths...........	3,004	945	576	152	77	72	174	242	752	13
Infant mortality rate....	9.63	773.96	294.18	81.98	39.94	32.27	21.28	9.08	2.81	*

Documentation Table 2. Live births,infant deaths and infant mortality rates by race of mother, sex and birthweight of child:
United States, 2012 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..............	46,093	73	117	105	153	176	697	2,198	42,569	5
Infant deaths...........	387	62	49	15	13	12	22	40	172	1
Infant mortality rate....	8.40	849.32	418.80	*	*	*	31.56	18.20	4.04	*
Male										
Live births..............	23,503	32	61	59	81	78	337	1,059	21,793	3
Infant deaths...........	203	27	24	11	6	5	11	22	96	0
Infant mortality rate....	8.64	843.75	393.44	*	*	*	*	20.77	4.41	*
Female										
Live births..............	22,590	41	56	46	72	98	360	1,139	20,776	2
Infant deaths...........	184	35	25	4	7	7	11	18	75	1
Infant mortality rate....	8.15	853.66	446.43	*	*	*	*	*	3.61	*
Asian or Pacific Islander										
Both sexes										
Live births..............	272,802	312	473	625	728	1,003	4,224	15,088	250,312	37
Infant deaths...........	1,108	271	206	76	34	43	83	90	298	6
Infant mortality rate....	4.06	868.59	435.52	121.60	46.70	42.87	19.65	5.97	1.19	*
Male										
Live births..............	140,590	158	248	330	388	540	2,136	7,090	129,682	18
Infant deaths...........	637	143	123	47	21	23	47	48	180	3
Infant mortality rate....	4.53	905.06	495.97	142.42	54.12	42.59	22.00	6.77	1.39	*
Female										
Live births..............	132,212	154	225	295	340	463	2,088	7,998	120,630	19
Infant deaths...........	470	128	83	28	13	20	35	41	118	3
Infant mortality rate....	3.55	831.17	368.89	94.92	*	43.20	16.76	5.13	0.98	*

* Figure does not meet standard of reliability or precision; based on fewer then 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, 2012 period data

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

Birthweight	Total	Gestation								
		<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	3,952,841	29,013	47,028	58,673	321,204	2,161,122	772,289	337,681	221,751	4,080
Infant deaths	23,654	10,616	1,789	952	2,280	5,246	1,339	633	583	216
Infant mortality rate	5.98	365.90	38.04	16.23	7.10	2.43	1.73	1.87	2.63	52.94

Less then 2,500 grams

Live births	317,110	27,826	35,880	39,198	105,204	87,316	10,549	4,787	5,900	450
Infant deaths	16,012	10,603	1,709	805	1,344	1,096	186	91	119	58
Infant mortality rate	50.49	381.05	47.63	20.54	12.78	12.55	17.63	19.01	20.17	128.89

Less then 500 grams

Live births	6,568	6,284	206	12	14	10	3	3	2	34
Infant deaths	5,554	5,376	123	9	9	12	3	3	2	17
Infant mortality rate	845.62	855.51	597.09	*	*	*	*	*	*	*

500-749 grams

Live births	10,332	8,989	1,172	56	47	24	8	2	11	23
Infant deaths	4,148	3,821	273	14	15	6	5	-	2	11
Infant mortality rate	401.47	425.08	232.94	*	*	*	*	-	*	*

750-999 grams

Live births	11,435	7,227	3,693	259	93	86	34	9	13	21
Infant deaths	1,370	1,023	286	35	11	5	1	-	1	8
Infant mortality rate	119.81	141.55	77.44	135.14	*	*	*	-	*	*

1,000-1,249 grams

Live births	12,948	3,020	7,189	1,390	705	357	119	56	98	14
Infant deaths	752	217	332	103	57	30	4	1	5	2
Infant mortality rate	58.08	71.85	46.18	74.10	80.85	84.03	*	*	*	*

1,250-1,499 grams

Live births	16,045	865	8,480	3,383	2,126	738	176	116	148	13
Infant deaths	655	84	282	120	101	46	8	5	7	1
Infant mortality rate	40.82	97.11	33.25	35.47	47.51	62.33	*	*	*	*

1,500-1,999 grams

Live births	61,627	767	11,318	18,030	21,651	7,494	954	506	817	90
Infant deaths	1,510	60	299	308	449	285	50	26	26	7
Infant mortality rate	24.50	78.23	26.42	17.08	20.74	38.03	52.41	51.38	31.82	*

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, 2012 period data

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

| | | | | | Gestation | | | | | |
Birthweight	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	198,155	674	3,822	16,068	80,568	78,607	9,255	4,095	4,811	255
Infant deaths	2,022	23	114	215	701	710	115	56	76	11
Infant mortality rate	10.20	34.12	29.83	13.38	8.70	9.03	12.43	13.68	15.80	*
2,500-2,999 grams										
Live births	722,271	1,187	4,002	8,060	107,662	446,892	88,639	34,590	30,471	768
Infant deaths	2,673	12	52	81	540	1,469	260	131	121	8
Infant mortality rate	3.70	*	12.99	10.05	5.02	3.29	2.93	3.79	3.97	*
3,000-3,499 grams										
Live births	1,540,964	-	4,677	7,208	73,878	925,251	313,985	126,787	87,953	1,225
Infant deaths	2,961	-	22	39	260	1,724	520	209	178	9
Infant mortality rate	1.92	-	4.70	5.41	3.52	1.86	1.66	1.65	2.02	*
3,500-3,999 grams										
Live births	1,059,137	-	2,469	3,517	27,532	555,027	272,781	124,598	72,475	738
Infant deaths	1,397	-	6	24	96	738	274	141	113	5
Infant mortality rate	1.32	-	*	6.82	3.49	1.33	1.00	1.13	1.56	*
4,000-4,499 grams										
Live births	269,717	-	-	570	5,791	126,485	75,305	40,238	21,158	170
Infant deaths	371	-	-	2	30	166	83	49	39	1
Infant mortality rate	1.38	-	-	*	5.18	1.31	1.10	1.22	1.84	*
4,500-4,999 grams										
Live births	38,309	-	-	99	938	17,691	10,101	6,046	3,396	38
Infant deaths	76	-	-	-	7	36	11	10	9	2
Infant mortality rate	1.98	-	-	-	*	2.03	*	*	*	*
5,000 grams or more										
Live births	4,655	-	-	21	199	2,460	929	635	398	13
Infant deaths	31	-	-	1	2	17	5	1	4	1
Infant mortality rate	6.66	-	-	*	*	*	*	*	*	*
Not stated										
Live births	678	-	-	-	-	-	-	-	-	678
Infant deaths	132	-	-	-	-	-	-	-	-	132
Infant mortality rate	194.69	-	-	-	-	-	-	-	-	194.69

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, 2012 period data

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

Birthweight	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
						Gestation				

All races

White

Total

Live births	2,999,820	16,963	31,262	40,650	230,479	1,636,098	601,197	267,265	173,115	2,791
Infant deaths	15,264	6,224	1,176	656	1,605	3,650	950	465	418	120
Infant mortality rate	5.09	366.92	37.62	16.14	6.96	2.23	1.58	1.74	2.41	43.00

Less then 2,500 grams

Live births	209,365	16,218	23,619	27,121	71,572	56,569	6,894	3,156	3,951	265
Infant deaths	9,888	6,215	1,118	541	944	754	133	63	85	36
Infant mortality rate	47.23	383.22	47.33	19.95	13.19	13.33	19.29	19.96	21.51	135.85

Less then 500 grams

Live births	3,618	3,445	125	6	6	9	2	1	2	22
Infant deaths	3,130	3,030	69	3	2	9	2	1	2	12
Infant mortality rate	865.12	879.54	552.00	*	*	*	*	*	*	*

500-749 grams

Live births	5,880	5,090	679	35	30	13	8	2	8	15
Infant deaths	2,491	2,294	162	8	9	3	5	-	2	7
Infant mortality rate	423.64	450.69	238.59	*	*	*	*	-	*	*

750-999 grams

Live births	6,970	4,362	2,260	175	66	54	24	8	10	11
Infant deaths	892	663	186	25	9	3	-	-	1	5
Infant mortality rate	127.98	151.99	82.30	142.86	*	*	-	-	*	*

1,000-1,249 grams

Live births	8,186	1,906	4,557	863	445	238	77	25	68	7
Infant deaths	508	135	233	67	44	20	1	-	5	2
Infant mortality rate	62.06	70.83	51.13	77.64	98.88	84.03	*	-	*	*

1,250-1,499 grams

Live births	10,463	537	5,608	2,188	1,347	499	117	74	85	8
Infant deaths	430	46	177	80	77	35	7	3	4	1
Infant mortality rate	41.10	85.66	31.56	36.56	57.16	70.14	*	*	*	*

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, 2012 period data

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

Birthweight	Total	Gestation								
		<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	41,206	462	7,855	12,223	14,205	4,883	639	330	561	48
Infant deaths	1,044	32	211	206	317	199	37	20	17	3
Infant mortality rate	25.34	69.26	26.86	16.85	22.32	40.75	57.90	60.61	*	*

2,000-2,499 grams

Live births	133,042	416	2,535	11,631	55,473	50,873	6,027	2,716	3,217	154
Infant deaths	1,393	14	80	151	485	484	80	39	53	6
Infant mortality rate	10.47	*	31.56	12.98	8.74	9.51	13.27	14.36	16.47	*

2,500-2,999 grams

Live births	496,124	745	2,549	5,443	77,712	304,420	59,967	23,854	20,962	472
Infant deaths	1,823	9	38	61	377	1,003	163	85	83	4
Infant mortality rate	3.67	*	14.91	11.21	4.85	3.29	2.72	3.56	3.96	*

3,000-3,499 grams

Live births	1,161,986	-	3,217	4,928	54,550	697,822	236,796	96,771	67,081	821
Infant deaths	2,102	-	13	34	187	1,205	371	157	129	6
Infant mortality rate	1.81	-	*	6.90	3.43	1.73	1.57	1.62	1.92	*

3,500-3,999 grams

Live births	865,469	-	1,877	2,625	21,199	453,215	223,402	102,954	59,631	566
Infant deaths	1,027	-	6	19	73	529	206	107	83	4
Infant mortality rate	1.19	-	*	*	3.44	1.17	0.92	1.04	1.39	*

4,000-4,499 grams

Live births	229,896	-	-	446	4,573	107,191	64,659	34,674	18,218	135
Infant deaths	280	-	-	1	19	119	65	44	30	1
Infant mortality rate	1.22	-	-	*	*	1.11	1.01	1.27	1.65	*

4,500-4,999 grams

Live births	32,625	-	-	72	726	14,870	8,700	5,298	2,926	33
Infant deaths	54	-	-	-	4	26	8	8	7	1
Infant mortality rate	1.66	-	-	-	*	1.75	*	*	*	*

5,000 grams or more

Live births	3,866	-	-	15	147	2,011	779	558	346	10
Infant deaths	22	-	-	-	1	14	3	1	2	1
Infant mortality rate	5.69	-	-	-	*	*	*	*	*	*

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, 2012 period data

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

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| | | Gestation | | | | | | | | |
Birthweight	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										
Not stated										
Live births	489	-	-	-	-	-	-	-	-	489
Infant deaths	67	-	-	-	-	-	-	-	-	67
Infant mortality rate	137.01	-	-	-	-	-	-	-	-	137.01
Black										
Total										
Live births	634,126	10,290	12,588	13,789	66,119	344,494	107,730	45,149	32,911	1,056
Infant deaths	6,896	3,738	492	226	510	1,285	302	136	123	84
Infant mortality rate	10.87	363.27	39.08	16.39	7.71	3.73	2.80	3.01	3.74	79.55
Less then 2,500 grams										
Live births	81,773	9,924	9,819	9,223	24,932	22,223	2,696	1,252	1,535	169
Infant deaths	5,106	3,735	477	202	303	279	39	25	26	20
Infant mortality rate	62.44	376.36	48.58	21.90	12.15	12.55	14.47	19.97	16.94	118.34
Less then 500 grams										
Live births	2,565	2,474	70	3	3	1	1	1	-	12
Infant deaths	2,091	2,027	48	3	3	3	1	1	-	5
Infant mortality rate	815.20	819.32	685.71	*	*	*	*	*	-	*
500-749 grams										
Live births	3,862	3,408	407	16	14	10	-	-	-	7
Infant deaths	1,402	1,295	90	5	4	3	-	-	-	4
Infant mortality rate	363.02	379.99	221.13	*	*	*	-	-	-	*
750-999 grams										
Live births	3,735	2,409	1,190	66	22	27	8	1	3	9
Infant deaths	387	288	86	7	2	2	-	-	-	3
Infant mortality rate	103.61	119.55	72.27	*	*	*	-	-	-	*
1,000-1,249 grams										
Live births	3,881	899	2,161	429	199	92	36	30	28	7
Infant deaths	197	66	79	30	10	9	2	1	-	-
Infant mortality rate	50.76	73.41	36.56	69.93	*	*	*	*	-	-

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, 2012 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	4,403	266	2,304	905	598	188	52	36	49	5
Infant deaths	169	33	84	26	16	6	1	2	1	-
Infant mortality rate	38.38	124.06	36.46	28.73	*	*	*	*	*	-

1,500-1,999 grams

Live births	15,500	256	2,674	4,462	5,557	1,926	238	141	209	37
Infant deaths	362	18	63	79	109	70	8	5	6	4
Infant mortality rate	23.35	*	23.56	17.71	19.61	36.34	*	*	*	*

2,000-2,499 grams

Live births	47,827	212	1,013	3,342	18,539	19,979	2,361	1,043	1,246	92
Infant deaths	499	8	28	51	159	185	27	16	19	4
Infant mortality rate	10.43	*	27.64	15.26	8.58	9.26	11.44	*	*	*

2,500-2,999 grams

Live births	155,782	366	1,198	2,048	21,656	96,716	19,144	7,434	6,969	251
Infant deaths	686	3	10	16	127	383	74	39	29	4
Infant mortality rate	4.40	*	*	*	5.86	3.96	3.87	5.25	4.16	*

3,000-3,499 grams

Live births	246,379	-	1,128	1,769	13,960	147,119	48,627	19,303	14,153	320
Infant deaths	678	-	5	4	54	420	119	39	36	-
Infant mortality rate	2.75	-	*	*	3.87	2.85	2.45	2.02	2.54	-

3,500-3,999 grams

Live births	121,423	-	443	647	4,540	64,199	29,926	13,382	8,148	138
Infant deaths	284	-	-	2	16	162	51	28	23	1
Infant mortality rate	2.34	-	-	*	*	2.52	1.70	2.09	2.82	*

4,000-4,499 grams

Live births	24,636	-	-	80	866	12,172	6,392	3,309	1,790	27
Infant deaths	62	-	-	1	6	34	13	3	5	-
Infant mortality rate	2.52	-	-	*	*	2.79	*	*	*	-

4,500-4,999 grams

Live births	3,523	-	-	17	136	1,797	860	427	283	3
Infant deaths	12	-	-	-	2	5	3	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, 2012 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	463	-	-	5	29	268	85	42	33	1
Infant deaths	8	-	-	1	1	2	2	-	2	-
Infant mortality rate	*	-	-	*	*	*	*	-	*	-

Not stated

Live births	147	-	-	-	-	-	-	-	-	147
Infant deaths	59	-	-	-	-	-	-	-	-	59
Infant mortality rate	401.36	-	-	-	-	-	-	-	-	401.36

American Indian[1]

Total

Live births	46,093	350	632	858	4,259	24,155	8,611	3,867	3,294	67
Infant deaths	387	127	26	17	55	101	23	14	20	3
Infant mortality rate	8.40	362.86	41.14	*	12.91	4.18	2.67	*	6.07	*

Less then 2,500 grams

Live births	3,519	325	424	449	1,153	921	105	53	79	10
Infant deaths	214	127	24	14	27	16	2	2	1	1
Infant mortality rate	60.81	390.77	56.60	*	23.42	*	*	*	*	*

Less then 500 grams

Live births	73	66	5	1	-	-	-	1	-	-
Infant deaths	62	57	3	1	-	-	-	1	-	-
Infant mortality rate	849.32	863.64	*	*	-	-	-	*	-	-

500-749 grams

Live births	117	97	18	2	-	-	-	-	-	-
Infant deaths	49	46	3	-	-	-	-	-	-	-
Infant mortality rate	418.80	474.23	*	-	-	-	-	-	-	-

750-999 grams

Live births	105	74	28	2	-	1	-	-	-	-
Infant deaths	15	13	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, 2012 period data

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

Birthweight	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	153	48	73	18	10	4	-	-	-	-
Infant deaths	13	4	6	2	1	-	-	-	-	-
Infant mortality rate	*	*	*	*	*	-	-	-	-	-
1,250-1,499 grams										
Live births	176	17	90	28	32	6	1	1	1	-
Infant deaths	12	3	5	1	3	-	-	-	-	-
Infant mortality rate	*	*	*	*	*	-	-	-	-	-
1,500-1,999 grams										
Live births	697	13	136	182	249	92	7	2	12	4
Infant deaths	22	3	3	5	5	3	1	1	1	-
Infant mortality rate	31.56	*	*	*	*	*	*	*	*	-
2,000-2,499 grams										
Live births	2,198	10	74	216	862	818	97	49	66	6
Infant deaths	40	-	2	5	18	13	1	-	-	1
Infant mortality rate	18.20	-	*	*	*	*	*	-	-	*
2,500-2,999 grams										
Live births	7,706	25	66	152	1,313	4,422	911	411	396	10
Infant deaths	56	-	1	-	15	23	8	4	5	-
Infant mortality rate	7.27	-	*	-	*	5.20	*	*	*	-
3,000-3,499 grams										
Live births	17,072	-	92	141	1,150	9,842	3,253	1,358	1,212	24
Infant deaths	67	-	1	1	5	40	6	6	7	1
Infant mortality rate	3.92	-	*	*	*	4.06	*	*	*	*
3,500-3,999 grams										
Live births	13,143	-	50	90	490	6,768	3,176	1,391	1,165	13
Infant deaths	34	-	-	2	5	15	6	2	4	-
Infant mortality rate	2.59	-	-	*	*	*	*	*	*	-
4,000-4,499 grams										
Live births	3,842	-	-	20	108	1,824	986	538	362	4
Infant deaths	12	-	-	-	3	5	1	-	3	-
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, 2012 period data

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

Birthweight	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	688	-	-	6	37	310	159	104	72	-
Infant deaths	2	-	-	-	-	2	-	-	-	-
Infant mortality rate	*	-	-	-	-	*	-	-	-	-
5,000 grams or more										
Live births	118	-	-	-	8	68	21	12	8	1
Infant deaths	-	-	-	-	-	-	-	-	-	-
Infant mortality rate	-	-	-	-	-	-	-	-	-	-
Not stated										
Live births	5	-	-	-	-	-	-	-	-	5
Infant deaths	1	-	-	-	-	-	-	-	-	1
Infant mortality rate	*	-	-	-	-	-	-	-	-	*
Asian or Pacific Islander										
Total										
Live births	272,802	1,410	2,546	3,376	20,347	156,375	54,751	21,400	12,431	166
Infant deaths	1,108	528	95	54	109	210	64	18	21	9
Infant mortality rate	4.06	374.47	37.31	16.00	5.36	1.34	1.17	*	1.69	*
Less then 2,500 grams										
Live births	22,453	1,359	2,018	2,405	7,547	7,603	854	326	335	6
Infant deaths	803	528	90	48	70	48	12	1	7	-
Infant mortality rate	35.76	388.52	44.60	19.96	9.28	6.31	*	*	*	-
Less then 500 grams										
Live births	312	299	6	2	5	-	-	-	-	-
Infant deaths	271	262	3	2	4	-	-	-	-	-
Infant mortality rate	868.59	876.25	*	*	*	-	-	-	-	-
500-749 grams										
Live births	473	394	68	3	3	1	-	-	3	1
Infant deaths	206	185	18	1	2	-	-	-	-	-
Infant mortality rate	435.52	469.54	*	*	*	-	-	-	-	-

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, 2012 period data

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

| Birthweight | Total | Gestation | | | | | | | | |
		<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	625	382	215	16	5	4	2	-	-	1
Infant deaths	76	60	12	3	-	-	1	-	-	-
Infant mortality rate	121.60	157.07	*	*	-	-	*	-	-	-
1,000-1,249 grams										
Live births	728	167	398	80	51	23	6	1	2	-
Infant deaths	34	12	14	4	2	1	1	-	-	-
Infant mortality rate	46.70	*	*	*	*	*	*	-	-	-
1,250-1,499 grams										
Live births	1,003	45	478	262	149	45	6	5	13	-
Infant deaths	43	2	16	13	5	5	-	-	2	-
Infant mortality rate	42.87	*	*	*	*	*	-	-	*	-
1,500-1,999 grams										
Live births	4,224	36	653	1,163	1,640	593	70	33	35	1
Infant deaths	83	6	22	18	18	13	3	-	2	-
Infant mortality rate	19.65	*	33.69	*	*	*	*	-	*	-
2,000-2,499 grams										
Live births	15,088	36	200	879	5,694	6,937	770	287	282	3
Infant deaths	90	1	4	7	38	28	7	1	3	-
Infant mortality rate	5.97	*	*	*	6.67	4.04	*	*	*	-
2,500-2,999 grams										
Live births	62,659	51	189	417	6,981	41,334	8,617	2,891	2,144	35
Infant deaths	109	-	2	4	21	60	14	3	4	-
Infant mortality rate	1.74	-	*	*	3.01	1.45	*	*	*	-
3,000-3,499 grams										
Live births	115,527	-	240	370	4,218	70,468	25,309	9,355	5,507	60
Infant deaths	113	-	3	-	13	58	24	7	5	2
Infant mortality rate	0.98	-	*	-	*	0.82	0.95	*	*	*
3,500-3,999 grams										
Live births	59,102	-	99	155	1,303	30,845	16,277	6,871	3,531	21
Infant deaths	51	-	-	1	2	31	10	4	3	-
Infant mortality rate	0.86	-	-	*	*	1.01	*	*	*	-

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, 2012 period data

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

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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	11,343	-	-	24	244	5,298	3,268	1,717	788	4
Infant deaths	17	-	-	-	2	8	4	2	1	-
Infant mortality rate	*	-	-	-	*	*	*	*	*	-
4,500-4,999 grams										
Live births	1,473	-	-	4	39	714	382	217	115	2
Infant deaths	7	-	-	-	1	3	-	1	1	1
Infant mortality rate	*	-	-	-	*	*	-	*	*	*
5,000 grams or more										
Live births	208	-	-	1	15	113	44	23	11	1
Infant deaths	1	-	-	-	-	1	-	-	-	-
Infant mortality rate	*	-	-	-	-	*	-	-	-	-
Not stated										
Live births	37	-	-	-	-	-	-	-	-	37
Infant deaths	6	-	-	-	-	-	-	-	-	6
Infant mortality rate	*	-	-	-	-	-	-	-	-	*

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-/ 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, 2012 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 Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal
All races						
Total (all birthweights)................	3,952,841	23,654	15,887	12,911	2,976	7,767
Rate................		5.98	4.02	3.27	0.75	1.96
Less than 2,500 grams...................	317,110	16,012	13,137	11,235	1,901	2,875
Rate................		50.49	41.43	35.43	5.99	9.07
Less than 500 grams....................	6,568	5,554	5,425	5,273	153	129
Rate................		845.62	825.97	802.83	23.29	19.64
500-749 grams.........................	10,332	4,148	3,535	2,865	670	613
Rate................		401.47	342.14	277.29	64.85	59.33
750-999 grams.........................	11,435	1,370	1,053	746	307	317
Rate................		119.81	92.09	65.24	26.85	27.72
1,000-1,249 grams.....................	12,948	752	560	410	151	192
Rate................		58.08	43.25	31.67	11.66	14.83
1,250-1,499 grams.....................	16,045	655	484	377	107	171
Rate................		40.82	30.17	23.50	6.67	10.66
1,500-1,999 grams.....................	61,627	1,510	986	787	199	524
Rate................		24.50	16.00	12.77	3.23	8.50
2,000-2,499 grams.....................	198,155	2,022	1,092	777	315	929
Rate................		10.20	5.51	3.92	1.59	4.69
2,500-2,999 grams.....................	722,271	2,673	1,035	635	400	1,638
Rate................		3.70	1.43	0.88	0.55	2.27
3,000-3,499 grams.....................	1,540,964	2,961	945	524	422	2,016
Rate................		1.92	0.61	0.34	0.27	1.31
3,500-3,999 grams.....................	1,059,137	1,397	470	283	187	927
Rate................		1.32	0.44	0.27	0.18	0.88
4,000-4,499 grams.....................	269,717	371	128	79	49	243
Rate................		1.38	0.47	0.29	0.18	0.90
4,500-4,999 grams.....................	38,309	76	32	19	13	43
Rate................		1.98	0.84	*	*	1.12
5,000 grams or more...................	4,655	31	14	12	2	17
Rate................		6.66	*	*	*	*
Not stated...........................	678	132	125	123	2	7
Rate................		194.69	184.37	181.42	*	*

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, 2012 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 Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal
White						
Total (all birthweights)................	2,999,820	15,264	10,266	8,321	1,945	4,998
Rate.................		5.09	3.42	2.77	0.65	1.67
Less than 2,500 grams...................	209,365	9,888	8,244	7,079	1,165	1,644
Rate................		47.23	39.38	33.81	5.56	7.85
Less than 500 grams....................	3,618	3,130	3,065	2,996	68	65
Rate................		865.12	847.15	828.08	18.79	17.97
500-749 grams..........................	5,880	2,491	2,185	1,798	387	306
Rate................		423.64	371.60	305.78	65.82	52.04
750-999 grams..........................	6,970	892	722	531	191	170
Rate................		127.98	103.59	76.18	27.40	24.39
1,000-1,249 grams......................	8,186	508	390	291	99	118
Rate................		62.06	47.64	35.55	12.09	14.41
1,250-1,499 grams......................	10,463	430	341	271	70	89
Rate................		41.10	32.59	25.90	6.69	8.51
1,500-1,999 grams......................	41,206	1,044	727	592	135	317
Rate................		25.34	17.64	14.37	3.28	7.69
2,000-2,499 grams......................	133,042	1,393	814	600	214	579
Rate................		10.47	6.12	4.51	1.61	4.35
2,500-2,999 grams......................	496,124	1,823	758	477	281	1,065
Rate................		3.67	1.53	0.96	0.57	2.15
3,000-3,499 grams......................	1,161,986	2,102	705	402	303	1,397
Rate................		1.81	0.61	0.35	0.26	1.20
3,500-3,999 grams......................	865,469	1,027	365	223	142	662
Rate................		1.19	0.42	0.26	0.16	0.76
4,000-4,499 grams......................	229,896	280	100	59	41	180
Rate................		1.22	0.43	0.26	0.18	0.78
4,500-4,999 grams......................	32,625	54	24	13	11	30
Rate................		1.66	0.74	*	*	0.92
5,000 grams or more....................	3,866	22	8	7	1	14
Rate................		5.69	*	*	*	*
Not stated............................	489	67	62	61	1	5
Rate................		137.01	126.79	124.74	*	*

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, 2012 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 Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal
Black						
Total (all birthweights)................	634,126	6,896	4,609	3,789	821	2,286
Rate................		10.87	7.27	5.98	1.29	3.60
Less than 2,500 grams..................	81,773	5,106	4,060	3,462	598	1,046
Rate................		62.44	49.65	42.34	7.31	12.79
Less than 500 grams....................	2,565	2,091	2,034	1,957	76	57
Rate................		815.20	792.98	762.96	29.63	22.22
500-749 grams.........................	3,862	1,402	1,133	894	239	269
Rate................		363.02	293.37	231.49	61.89	69.65
750-999 grams.........................	3,735	387	256	171	85	131
Rate................		103.61	68.54	45.78	22.76	35.07
1,000-1,249 grams.....................	3,881	197	136	94	41	61
Rate................		50.76	35.04	24.22	10.56	15.72
1,250-1,499 grams.....................	4,403	169	101	71	30	68
Rate................		38.38	22.94	16.13	6.81	15.44
1,500-1,999 grams.....................	15,500	362	192	142	50	170
Rate................		23.35	12.39	9.16	3.23	10.97
2,000-2,499 grams.....................	47,827	499	209	133	76	290
Rate................		10.43	4.37	2.78	1.59	6.06
2,500-2,999 grams.....................	155,782	686	206	113	92	480
Rate................		4.40	1.32	0.73	0.59	3.08
3,000-3,499 grams.....................	246,379	678	179	87	92	499
Rate................		2.75	0.73	0.35	0.37	2.03
3,500-3,999 grams.....................	121,423	284	77	46	31	207
Rate................		2.34	0.63	0.38	0.26	1.70
4,000-4,499 grams.....................	24,636	62	21	17	4	41
Rate................		2.52	0.85	*	*	1.66
4,500-4,999 grams.....................	3,523	12	4	3	1	8
Rate................		*	*	*	*	*
5,000 grams or more...................	463	8	6	5	1	2
Rate................		*	*	*	*	*
Not stated............................	147	59	57	56	1	2
Rate................		401.36	387.76	380.95	*	*

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, 2012 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 Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal
American Indian[1]						
Total (all birthweights)................	46,093	387	224	171	53	162
Rate................		8.40	4.86	3.71	1.15	3.51
Less than 2,500 grams...................	3,519	214	172	141	31	42
Rate................		60.81	48.88	40.07	8.81	11.94
Less than 500 grams....................	73	62	61	59	2	1
Rate................		849.32	835.62	808.22	*	*
500-749 grams..........................	117	49	43	29	14	6
Rate................		418.80	367.52	247.86	*	*
750-999 grams..........................	105	15	13	8	5	2
Rate................		*	*	*	*	*
1,000-1,249 grams......................	153	13	9	9	-	4
Rate................		*	*	*	-	*
1,250-1,499 grams......................	176	12	10	9	1	2
Rate................		*	*	*	*	*
1,500-1,999 grams......................	697	22	14	12	2	8
Rate................		31.56	*	*	*	*
2,000-2,499 grams......................	2,198	40	21	14	7	19
Rate................		18.20	9.55	*	*	*
2,500-2,999 grams......................	7,706	56	24	15	9	32
Rate................		7.27	3.11	*	*	4.15
3,000-3,499 grams......................	17,072	67	17	9	8	50
Rate................		3.92	*	*	*	2.93
3,500-3,999 grams......................	13,143	34	7	3	4	27
Rate................		2.59	*	*	*	2.05
4,000-4,499 grams......................	3,842	12	2	1	1	10
Rate................		*	*	*	*	*
4,500-4,999 grams......................	688	2	1	1	-	1
Rate................		*	*	*	-	*
5,000 grams or more....................	118	-	-	-	-	-
Rate................		-	-	-	-	-
Not stated............................	5	1	1	1	-	-
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, 2012 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]

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Birthweight and race of mother	Live Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal
Asian or Pacific Islander						
Total (all birthweights)................	272,802	1,108	787	630	157	320
Rate.................		4.06	2.88	2.31	0.58	1.17
Less than 2,500 grams...................	22,453	803	661	553	107	143
Rate.................		35.76	29.44	24.63	4.77	6.37
Less than 500 grams....................	312	271	266	260	6	5
Rate.................		868.59	852.56	833.33	*	*
500-749 grams..........................	473	206	174	144	30	32
Rate.................		435.52	367.86	304.44	63.42	67.65
750-999 grams..........................	625	76	62	36	26	14
Rate.................		121.60	99.20	57.60	41.60	*
1,000-1,249 grams......................	728	34	25	15	10	9
Rate.................		46.70	34.34	*	*	*
1,250-1,499 grams......................	1,003	43	31	26	5	12
Rate.................		42.87	30.91	25.92	*	*
1,500-1,999 grams......................	4,224	83	54	42	12	29
Rate.................		19.65	12.78	9.94	*	6.87
2,000-2,499 grams......................	15,088	90	49	31	18	41
Rate.................		5.97	3.25	2.05	*	2.72
2,500-2,999 grams......................	62,659	109	47	29	18	61
Rate.................		1.74	0.75	0.46	*	0.97
3,000-3,499 grams......................	115,527	113	44	26	18	69
Rate.................		0.98	0.38	0.23	*	0.60
3,500-3,999 grams......................	59,102	51	21	11	10	30
Rate.................		0.86	0.36	*	*	0.51
4,000-4,499 grams......................	11,343	17	5	2	3	12
Rate.................		*	*	*	*	*
4,500-4,999 grams......................	1,473	7	3	2	1	4
Rate.................		*	*	*	*	*
5,000 grams or more....................	208	1	-	-	-	1
Rate.................		*	-	-	-	*
Not stated............................	37	6	6	6	-	-
Rate.................		*	*	*	-	-

See footnotes at end of table.

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*/ 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, 2012 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 Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal
All races						
All birthweights						
All Causes 3,952,841		23,654	15,887	12,911	2,976	7,767
		598.4	401.9	326.6	75.3	196.5
Congenital malformations (Q00-Q99).......................	.	4,967	3,560	2,752	808	1,407
		125.7	90.1	69.6	20.4	35.6
Short gestation and low birthweight nec (P07)............	.	4,214	4,124	4,007	117	89
		106.6	104.3	101.4	3.0	2.3
Sudden infant death syndrome (R95).......................	.	1,676	144	25	118	1,532
		42.4	3.6	0.6	3.0	38.8
Maternal complications of pregnancy (P01)................	.	1,518	1,510	1,498	12	8
		38.4	38.2	37.9	*	*
Accidents (unintentional injures) (V01-X59)..............	.	1,163	117	31	85	1,046
		29.4	3.0	0.8	2.2	26.5
Complications of placenta, cord, membranes (P02).........	.	1,010	999	973	26	11
		25.6	25.3	24.6	0.7	*
Bacterial sepsis of newborn (P36)........................	.	565	542	235	306	23
		14.3	13.7	5.9	7.7	0.6
Respiratory distress of newborn (P22)....................	.	504	487	402	85	17
		12.8	12.3	10.2	2.2	*
Diseases of the circulatory system (I00-I99).............	.	493	109	65	44	384
		12.5	2.8	1.6	1.1	9.7
Neonatal hemorrhage (P50-P52, P54).......................	.	425	409	297	112	16
		10.8	10.3	7.5	2.8	*
All other causes...	.	7,119	3,887	2,626	1,261	3,233
		180.1	98.3	66.4	31.9	81.8
Less then 2,500 grams						
All Causes 317,110		16,012	13,137	11,235	1,901	2,875
		5,049.4	4,142.7	3,542.9	599.5	906.6
Congenital malformations (Q00-Q99).......................	.	3,032	2,394	2,006	389	637
		956.1	754.9	632.6	122.7	200.9
Short gestation and low birthweight nec (P07)............	.	4,125	4,037	3,922	115	88
		1,300.8	1,273.1	1,236.8	36.3	27.8

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of
infant death: United States, 2012 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]

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Cause of death, birthweight, and race of mother	Live Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal

_____

All races

Sudden infant death syndrome (R95).......................	.	340	32	5	27	308
		107.2	10.1	*	8.5	97.1
Maternal complications of pregnancy (P01)...............	.	1,462	1,454	1,443	11	8
		461.0	458.5	455.0	*	*
Accidents (unintentional injures) (V01-X59)..............	.	203	29	11	18	174
		64.0	9.1	*	*	54.9
Complications of placenta, cord, membranes (P02)........	.	921	912	893	19	9
		290.4	287.6	281.6	*	*
Bacterial sepsis of newborn (P36).......................	.	491	471	197	274	20
		154.8	148.5	62.1	86.4	6.3
Respiratory distress of newborn (P22)...................	.	501	484	399	85	17
		158.0	152.6	125.8	26.8	*
Diseases of the circulatory system (I00-I99)............	.	252	60	40	20	192
		79.5	18.9	12.6	6.3	60.5
Neonatal hemorrhage (P50-P52, P54)......................	.	384	374	276	98	10
		121.1	117.9	87.0	30.9	*
All other causes..	.	4,300	2,890	2,046	844	1,411
		1,356.0	911.4	645.2	266.2	445.0

2,500 grams or more

All Causes 3,635,053		7,510	2,625	1,552	1,073	4,885
		206.6	72.2	42.7	29.5	134.4
Congenital malformations (Q00-Q99)......................	.	1,929	1,161	741	420	768
		53.1	31.9	20.4	11.6	21.1
Short gestation and low birthweight nec (P07)...........	.	23	23	22	1	-
		0.6	0.6	0.6	*	-
Sudden infant death syndrome (R95)......................	.	1,334	111	20	91	1,222
		36.7	3.1	0.6	2.5	33.6
Maternal complications of pregnancy (P01)...............	.	32	32	31	1	-
		0.9	0.9	0.9	*	-
Accidents (unintentional injures) (V01-X59)..............	.	958	87	20	67	871
		26.4	2.4	0.6	1.8	24.0
Complications of placenta, cord, membranes (P02)........	.	75	73	66	7	2
		2.1	2.0	1.8	*	*

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of
infant death: United States, 2012 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]

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Cause of death, birthweight, and race of mother	Live Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal

_____

All races

Bacterial sepsis of newborn (P36)........................ .   72   69   37   32   3
                                                                 2.0   1.9   1.0   0.9   *

Respiratory distress of newborn (P22)................... .   3   3   3   -   -
                                                                  *   *   *   -   -

Diseases of the circulatory system (I00-I99)............ .   240   48   24   24   192
                                                                 6.6   1.3   0.7   0.7   5.3

Neonatal hemorrhage (P50-P52, P54)...................... .   40   35   21   14   5
                                                                 1.1   1.0   0.6   *   *

All other causes.. .   2,804   983   567   415   1,821
                                                                77.1   27.0   15.6   11.4   50.1

Not stated birthweight

All Causes 678   132   125   123   2   7
                                                             19,469.0 18,436.6 18,141.6   *   *

Congenital malformations (Q00-Q99)...................... .   6   5   5   -   1
                                                                  *   *   *   -   *

Short gestation and low birthweight nec (P07)........... .   66   65   64   1   1
                                                               9,734.5 9,587.0 9,439.5   *   *

Sudden infant death syndrome (R95)...................... .   2   -   -   -   2
                                                                  *   -   -   -   *

Maternal complications of pregnancy (P01)............... .   25   25   25   -   -
                                                               3,687.3 3,687.3 3,687.3   -   -

Accidents (unintentional injures) (V01-X59)............. .   1   -   -   -   1
                                                                  *   -   -   -   *

Complications of placenta, cord, membranes (P02)........ .   14   14   14   -   -
                                                                  *   *   *   -   -

Bacterial sepsis of newborn (P36)....................... .   1   1   1   -   -
                                                                  *   *   *   -   -

Respiratory distress of newborn (P22)................... .   -   -   -   -   -
                                                                  -       -   -   -   -

Diseases of the circulatory system (I00-I99)............ .   1   1   1   -   -
                                                                  *   *   *   -   -

Neonatal hemorrhage (P50-P52, P54)...................... .   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, 2012 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]

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Cause of death, birthweight, and race of mother	Live Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal

_____

All races

| All other causes... | . | 15 | 14 | 13 | 1 | 1 |
| | | * | * | * | * | * |

White

All birthweights

All Causes 2,999,820		15,264	10,266	8,321	1,945	4,998
		508.8	342.2	277.4	64.8	166.6
Congenital malformations (Q00-Q99)......................	.	3,711	2,727	2,134	593	984
		123.7	90.9	71.1	19.8	32.8
Short gestation and low birthweight nec (P07)...........	.	2,371	2,324	2,260	63	47
		79.0	77.5	75.3	2.1	1.6
Sudden infant death syndrome (R95)......................	.	1,113	96	20	76	1,016
		37.1	3.2	0.7	2.5	33.9
Maternal complications of pregnancy (P01)...............	.	916	910	901	9	6
		30.5	30.3	30.0	*	*
Accidents (unintentional injures) (V01-X59).............	.	743	75	22	53	668
		24.8	2.5	0.7	1.8	22.3
Complications of placenta, cord, membranes (P02)........	.	618	612	594	17	6
		20.6	20.4	19.8	*	*
Bacterial sepsis of newborn (P36).......................	.	345	333	152	181	12
		11.5	11.1	5.1	6.0	*
Respiratory distress of newborn (P22)...................	.	307	299	251	48	8
		10.2	10.0	8.4	1.6	*
Diseases of the circulatory system (I00-I99)...........	.	320	80	46	34	241
		10.7	2.7	1.5	1.1	8.0
Neonatal hemorrhage (P50-P52, P54)......................	.	309	297	212	84	12
		10.3	9.9	7.1	2.8	*
All other causes..	.	4,511	2,513	1,727	786	1,998
		150.4	83.8	57.6	26.2	66.6

Less then 2,500 grams

| All Causes .... 209,365 | | 9,888 | 8,244 | 7,079 | 1,165 | 1,644 |
| | | 4,722.9 | 3,937.6 | 3,381.2 | 556.4 | 785.2 |

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, 2012 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 Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal
White						
Congenital malformations (Q00-Q99).......................	.	2,231	1,819	1,548	271	411
		1,065.6	868.8	739.4	129.4	196.3
Short gestation and low birthweight nec (P07)............	.	2,331	2,284	2,221	63	47
		1,113.4	1,090.9	1,060.8	30.1	22.4
Sudden infant death syndrome (R95).......................	.	194	24	5	19	170
		92.7	11.5	*	*	81.2
Maternal complications of pregnancy (P01)...............	.	883	877	869	8	6
		421.8	418.9	415.1	*	*
Accidents (unintentional injures) (V01-X59).............	.	119	15	7	8	104
		56.8	*	*	*	49.7
Complications of placenta, cord, membranes (P02)........	.	552	547	537	10	5
		263.7	261.3	256.5	*	*
Bacterial sepsis of newborn (P36).......................	.	290	280	122	158	10
		138.5	133.7	58.3	75.5	*
Respiratory distress of newborn (P22)...................	.	305	297	249	48	8
		145.7	141.9	118.9	22.9	*
Diseases of the circulatory system (I00-I99)............	.	149	40	25	14	110
		71.2	19.1	11.9	*	52.5
Neonatal hemorrhage (P50-P52, P54)......................	.	273	267	193	73	6
		130.4	127.5	92.2	34.9	*
All other causes..	.	2,562	1,795	1,303	492	767
		1,223.7	857.4	622.4	235.0	366.3
2,500 grams or more						
All Causes 2,789,966		5,309	1,961	1,182	779	3,348
		190.3	70.3	42.4	27.9	120.0
Congenital malformations (Q00-Q99).......................	.	1,476	904	583	321	571
		52.9	32.4	20.9	11.5	20.5
Short gestation and low birthweight nec (P07)...........	.	16	16	16	-	-
		*	*	*	-	-
Sudden infant death syndrome (R95).......................	.	918	72	15	57	845
		32.9	2.6	*	2.0	30.3
Maternal complications of pregnancy (P01)...............	.	21	21	20	1	-
		0.8	0.8	0.7	*	-

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, 2012 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)...............	.	623	60	15	45	563
		22.3	2.2	*	1.6	20.2
Complications of placenta, cord, membranes (P02).........	.	56	55	48	7	1
		2.0	2.0	1.7	*	*
Bacterial sepsis of newborn (P36)........................	.	54	52	29	23	2
		1.9	1.9	1.0	0.8	*
Respiratory distress of newborn (P22)....................	.	2	2	2	-	-
		*	*	*	-	-
Diseases of the circulatory system (I00-I99).............	.	170	39	19	20	131
		6.1	1.4	*	0.7	4.7
Neonatal hemorrhage (P50-P52, P54).......................	.	35	30	19	11	5
		1.3	1.1	*	*	*
All other causes...	.	1,937	707	414	293	1,230
		69.4	25.3	14.8	10.5	44.1

Not stated birthweight

All Causes	489	67	62	61	1	5
		13,701.4	12,678.9	12,474.4	*	*
Congenital malformations (Q00-Q99).......................	.	4	3	3	-	1
		*	*	*	-	*
Short gestation and low birthweight nec (P07)............	.	23	23	23	-	-
		4,703.5	4,703.5	4,703.5	-	-
Sudden infant death syndrome (R95).......................	.	1	-	-	-	1
		*	-	-	-	*
Maternal complications of pregnancy (P01)................	.	12	12	12	-	-
		*	*	*	-	-
Accidents (unintentional injures) (V01-X59)..............	.	1	-	-	-	1
		*	-	-	-	*
Complications of placenta, cord, membranes (P02).........	.	10	10	10	-	-
		*	*	*	-	-
Bacterial sepsis of newborn (P36)........................	.	1	1	1	-	-
		*	*	*	-	-
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, 2012 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 Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal

_____

White

Diseases of the circulatory system (I00-I99)............. .   1   1   1   -   -
                                                                   *   *   *   -   -

Neonatal hemorrhage (P50-P52, P54)...................... .   1   -   -   -   1
                                                                   *   -   -   -   *

All other causes.. .   12   11   10   1   1
                                                                   *   *   *   *   *

Black

All birthweights

All Causes 634,126 6,896   4,609   3,789   821   2,286
                                                               1,087.5   726.8   597.5   129.5   360.5

Congenital malformations (Q00-Q99)...................... .   932   613   446   167   320
                                                                 147.0   96.7   70.3   26.3   50.5

Short gestation and low birthweight nec (P07)........... .   1,621   1,585   1,541   44   36
                                                                 255.6   250.0   243.0   6.9   5.7

Sudden infant death syndrome (R95)...................... .   473   32   2   30   440
                                                                  74.6   5.0   *   4.7   69.4

Maternal complications of pregnancy (P01)............... .   500   498   496   2   2
                                                                  78.8   78.5   78.2   *   *

Accidents (unintentional injures) (V01-X59)............. .   359   37   5   32   322
                                                                  56.6   5.8   *   5.0   50.8

Complications of placenta, cord, membranes (P02)........ .   317   312   305   7   5
                                                                  50.0   49.2   48.1   *   *

Bacterial sepsis of newborn (P36)....................... .   187   177   69   108   10
                                                                  29.5   27.9   10.9   17.0   *

Respiratory distress of newborn (P22)................... .   170   163   132   31   7
                                                                  26.8   25.7   20.8   4.9   *

Diseases of the circulatory system (I00-I99)............ .   142   24   15   9   118
                                                                  22.4   3.8   *   *   18.6

Neonatal hemorrhage (P50-P52, P54)...................... .   85   81   65   16   4
                                                                  13.4   12.8   10.3   *   *

All other causes.. .   2,109   1,087   713   374   1,022
                                                                 332.6   171.4   112.4   59.0   161.2

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, 2012 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 Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal
Black						
Less then 2,500 grams						
All Causes	81,773	5,106	4,060	3,462	598	1,046
		6,244.1	4,965.0	4,233.7	731.3	1,279.2
Congenital malformations (Q00-Q99)......................	.	594	423	330	93	171
		726.4	517.3	403.6	113.7	209.1
Short gestation and low birthweight nec (P07)...........	.	1,579	1,544	1,500	43	35
		1,931.0	1,888.2	1,834.3	52.6	42.8
Sudden infant death syndrome (R95)......................	.	127	5	-	5	122
		155.3	*	-	*	149.2
Maternal complications of pregnancy (P01)...............	.	478	476	474	2	2
		584.5	582.1	579.7	*	*
Accidents (unintentional injures) (V01-X59).............	.	80	12	2	10	67
		97.8	*	*	*	81.9
Complications of placenta, cord, membranes (P02)........	.	300	296	289	7	4
		366.9	362.0	353.4	*	*
Bacterial sepsis of newborn (P36).......................	.	173	164	63	101	9
		211.6	200.6	77.0	123.5	*
Respiratory distress of newborn (P22)...................	.	169	162	131	31	7
		206.7	198.1	160.2	37.9	*
Diseases of the circulatory system (I00-I99)...........	.	86	16	11	5	69
		105.2	*	*	*	84.4
Neonatal hemorrhage (P50-P52, P54)......................	.	80	76	63	13	4
		97.8	92.9	77.0	*	*
All other causes..	.	1,441	886	599	287	555
		1,762.2	1,083.5	732.5	351.0	678.7
2,500 grams or more						
All Causes	552,206	1,731	493	271	222	1,238
		313.5	89.3	49.1	40.2	224.2
Congenital malformations (Q00-Q99)......................	.	337	188	115	73	149
		61.0	34.0	20.8	13.2	27.0
Short gestation and low birthweight nec (P07)...........	.	5	5	5	-	-
		*	*	*	-	-

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of
infant death: United States, 2012 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 Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal
Black						
Sudden infant death syndrome (R95)........................	.	345	27	2	25	317
		62.5	4.9	*	4.5	57.4
Maternal complications of pregnancy (P01)................	.	8	8	8	-	-
		*	*	*	-	-
Accidents (unintentional injures) (V01-X59)..............	.	280	25	3	22	255
		50.7	4.5	*	4.0	46.2
Complications of placenta, cord, membranes (P02).........	.	13	12	12	-	1
		*	*	*	-	*
Bacterial sepsis of newborn (P36)........................	.	14	13	6	7	1
		*	*	*	*	*
Respiratory distress of newborn (P22)....................	.	1	1	1	-	-
		*	*	*	-	-
Diseases of the circulatory system (I00-I99).............	.	56	8	4	4	48
		10.1	*	*	*	8.7
Neonatal hemorrhage (P50-P52, P54).......................	.	5	5	2	3	-
		*	*	*	*	-
All other causes...	.	666	200	112	87	467
		120.6	36.2	20.3	15.8	84.6
Not stated birthweight						
All Causes	147	59	57	56	1	2
		40,136.1	38,775.5	38,095.2	*	*
Congenital malformations (Q00-Q99).......................	.	1	1	1	-	-
		*	*	*	-	-
Short gestation and low birthweight nec (P07)............	.	37	36	35	1	1
		25,170.1	24,489.8	23,809.5	*	*
Sudden infant death syndrome (R95).......................	.	1	-	-	-	1
		*	-	-	-	*
Maternal complications of pregnancy (P01)................	.	13	13	13	-	-
		*	*	*	-	-
Accidents (unintentional injures) (V01-X59)..............	.	-	-	-	-	-
		-	-	-	-	-
Complications of placenta, cord, membranes (P02).........	.	4	4	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, 2012 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 Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal

_____

Black

Bacterial sepsis of newborn (P36)........................	.	-	-	-	-	-
		-	-	-	-	-
Respiratory distress of newborn (P22)....................	.	-	-	-	-	-
		-	-	-	-	-
Diseases of the circulatory system (I00-I99).............	.	-	-	-	-	-
		-	-	-	-	-
Neonatal hemorrhage (P50-P52, P54).......................	.	-	-	-	-	-
		-	-	-	-	-
All other causes...	.	2	2	2	-	-
		*	*	*	-	-

American Indian[1]

All birthweights

All Causes	46,093	387	224	171	53	162
		839.6	486.0	371.0	115.0	351.5
Congenital malformations (Q00-Q99).......................	.	88	62	50	12	26
		190.9	134.5	108.5	*	56.4
Short gestation and low birthweight nec (P07)............	.	44	44	42	2	-
		95.5	95.5	91.1	*	-
Sudden infant death syndrome (R95).......................	.	44	8	2	6	36
		95.5	*	*	*	78.1
Maternal complications of pregnancy (P01)...............	.	15	15	15	-	-
		*	*	*	-	-
Accidents (unintentional injures) (V01-X59).............	.	26	-	-	-	26
		56.4	-	-	-	56.4
Complications of placenta, cord, membranes (P02).........	.	17	17	16	1	-
		*	*	*	*	-
Bacterial sepsis of newborn (P36).......................	.	4	4	3	1	-
		*	*	*	*	-
Respiratory distress of newborn (P22)...................	.	4	3	1	2	1
		*	*	*	*	*
Diseases of the circulatory system (I00-I99)............	.	5	1	1	-	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, 2012 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 Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal

_____

American Indian[1]

Neonatal hemorrhage (P50-P52, P54)......................	.	10	10	5	5	-
		*	*	*	*	-
All other causes..	.	128	59	35	24	69
		277.7	128.0	75.9	52.1	149.7

Less then 2,500 grams

All Causes	3,519	214	172	141	31	42
		6,081.3	4,887.8	4,006.8	880.9	1,193.5
Congenital malformations (Q00-Q99)......................	.	52	38	34	4	14
		1,477.7	1,079.9	966.2	*	*
Short gestation and low birthweight nec (P07)...........	.	43	43	41	2	-
		1,221.9	1,221.9	1,165.1	*	-
Sudden infant death syndrome (R95)......................	.	11	3	-	3	8
		*	*	-	*	*
Maternal complications of pregnancy (P01)...............	.	15	15	15	-	-
		*	*	*	-	-
Accidents (unintentional injures) (V01-X59).............	.	-	-	-	-	-
		-	-	-	-	-
Complications of placenta, cord, membranes (P02)........	.	16	16	15	1	-
		*	*	*	*	-
Bacterial sepsis of newborn (P36).......................	.	3	3	2	1	-
		*	*	*	*	-
Respiratory distress of newborn (P22)...................	.	4	3	1	2	1
		*	*	*	*	*
Diseases of the circulatory system (I00-I99)............	.	2	1	1	-	1
		*	*	*	-	*
Neonatal hemorrhage (P50-P52, P54)......................	.	10	10	5	5	-
		*	*	*	*	-
All other causes..	.	57	39	26	13	18
		1,619.8	1,108.3	738.8	*	*

2,500 grams or more

| All Causes .... | 42,569 | 172 | 51 | 29 | 22 | 120 |
| | | 404.0 | 119.8 | 68.1 | 51.7 | 281.9 |

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, 2012 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 Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal
_____

American Indian[1]

Congenital malformations (Q00-Q99).......................	.	36 84.6	24 56.4	16 *	8 *	12 *
Short gestation and low birthweight nec (P07)............	.	- -	- -	- -	- -	- -
Sudden infant death syndrome (R95)......................	.	33 77.5	5 *	2 *	3 *	28 65.8
Maternal complications of pregnancy (P01)...............	.	- -	- -	- -	- -	- -
Accidents (unintentional injures) (V01-X59).............	.	26 61.1	- -	- -	- -	26 61.1
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..	.	71 166.8	20 47.0	9 *	11 *	51 119.8

Not stated birthweight

All Causes	5	1 *	1 *	1 *	- -	- -
Congenital malformations (Q00-Q99)......................	.	- -	- -	- -	- -	- -
Short gestation and low birthweight nec (P07)...........	.	1 *	1 *	1 *	- -	- -
Sudden infant death syndrome (R95)......................	.	- -	- -	- -	- -	- -
Maternal complications of pregnancy (P01)...............	.	- -	- -	- -	- -	- -

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, 2012 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 Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal

_____

American Indian[1]

Accidents (unintentional injures) (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	272,802	1,108	787	630	157	320
		406.2	288.5	230.9	57.6	117.3
Congenital malformations (Q00-Q99).......................	.	235	158	121	37	77
		86.1	57.9	44.4	13.6	28.2
Short gestation and low birthweight nec (P07)............	.	177	171	163	8	6
		64.9	62.7	59.8	*	*
Sudden infant death syndrome (R95).......................	.	46	7	1	6	39
		16.9	*	*	*	14.3
Maternal complications of pregnancy (P01)................	.	87	87	86	1	-
		31.9	31.9	31.5	*	-
Accidents (unintentional injures) (V01-X59)..............	.	34	4	4	-	30
		12.5	*	*	-	11.0
Complications of placenta, cord, membranes (P02).........	.	58	58	57	1	-
		21.3	21.3	20.9	*	-
Bacterial sepsis of newborn (P36)........................	.	28	27	11	16	1
		10.3	9.9	*	*	*

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, 2012 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 Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal
Asian or Pacific Islander						
Respiratory distress of newborn (P22).....................	.	23	22	18	4	1
		8.4	8.1	*	*	*
Diseases of the circulatory system (I00-I99).............	.	26	4	3	1	22
		9.5	*	*	*	8.1
Neonatal hemorrhage (P50-P52, P54).......................	.	21	21	14	7	-
		7.7	7.7	*	*	-
All other causes..	.	370	227	150	76	144
		135.6	83.2	55.0	27.9	52.8
Less then 2,500 grams						
All Causes	22,453	803	661	553	107	143
		3,576.4	2,943.9	2,462.9	476.6	636.9
Congenital malformations (Q00-Q99)......................	.	155	114	94	20	41
		690.3	507.7	418.7	89.1	182.6
Short gestation and low birthweight nec (P07)............	.	172	166	159	7	6
		766.0	739.3	708.1	*	*
Sudden infant death syndrome (R95)......................	.	8	-	-	-	8
		*	-	-	-	*
Maternal complications of pregnancy (P01)...............	.	85	85	84	1	-
		378.6	378.6	374.1	*	-
Accidents (unintentional injures) (V01-X59).............	.	5	2	2	-	3
		*	*	*	-	*
Complications of placenta, cord, membranes (P02)........	.	53	53	52	1	-
		236.0	236.0	231.6	*	-
Bacterial sepsis of newborn (P36).......................	.	25	24	10	14	1
		111.3	106.9	*	*	*
Respiratory distress of newborn (P22)...................	.	23	22	18	4	1
		102.4	98.0	*	*	*
Diseases of the circulatory system (I00-I99)............	.	15	3	2	1	12
		*	*	*	*	*
Neonatal hemorrhage (P50-P52, P54)......................	.	21	21	14	7	-
		93.5	93.5	*	*	-
All other causes..	.	240	170	118	52	70
		1,068.9	757.1	525.5	231.6	311.8

See footnotes at end of table.

Documentation Table 5

Infant deaths and infant mortality rates by age of death, birthweight, and race of mother for 10 major causes of
infant death: United States, 2012 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 Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal

_____

Asian or Pacific Islander

2,500 grams or more

Cause of death, birthweight, and race of mother	Live Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal
All Causes	250,312	298	121	70	50	178
		119.1	48.3	28.0	20.0	71.1
Congenital malformations (Q00-Q99)......................	.	80	43	26	17	36
		32.0	17.2	10.4	*	14.4
Short gestation and low birthweight nec (P07)...........	.	1	1	-	1	-
		*	*	-	*	-
Sudden infant death syndrome (R95)......................	.	38	7	1	6	31
		15.2	*	*	*	12.4
Maternal complications of pregnancy (P01)...............	.	2	2	2	-	-
		*	*	*	-	-
Accidents (unintentional injures) (V01-X59).............	.	29	2	2	-	27
		11.6	*	*	-	10.8
Complications of placenta, cord, membranes (P02)........	.	5	5	5	-	-
		*	*	*	-	-
Bacterial sepsis of newborn (P36).......................	.	3	3	1	2	-
		*	*	*	*	-
Respiratory distress of newborn (P22)...................	.	-	-	-	-	-
		-	-	-	-	-
Diseases of the circulatory system (I00-I99)...........	.	11	1	1	-	10
		*	*	*	-	*
Neonatal hemorrhage (P50-P52, P54)......................	.	-	-	-	-	-
		-	-	-	-	-
All other causes..	.	129	56	32	24	73
		51.5	22.4	12.8	9.6	29.2

Not stated birthweight

Cause of death, birthweight, and race of mother	Live Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal
All Causes	37	6	6	6	-	-
		*	*	*	-	-
Congenital malformations (Q00-Q99)......................	.	1	1	1	-	-
		*	*	*	-	-
Short gestation and low birthweight nec (P07)...........	.	4	4	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, 2012 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 Births	Infant	Total Neonatal	Early Neonatal	Late Neonatal	Post- Neonatal
Asian or Pacific Islander						
Sudden infant death syndrome (R95)........................	.	-	-	-	-	-
		-	-	-	-	-
Maternal complications of pregnancy (P01)................	.	-	-	-	-	-
		-	-	-	-	-
Accidents (unintentional injures) (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, 2012

[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 2012 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	229	182	171	11	47
White	153	117	109	8	36
Black	64	56	53	3	8
Alabama					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Alaska					
Total	1	-	-	-	1
White	1	-	-	-	1
Black	-	-	-	-	-
Arizona					
Total	2	1	1	-	1
White	1	-	-	-	1
Black	1	1	1	-	-
Arkansas					
Total	1	1	1	-	-
White	-	-	-	-	-
Black	1	1	1	-	-
California					
Total	38	37	36	1	1
White	27	26	26	-	1
Black	8	8	7	1	-
Colorado					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Connecticut					
Total	2	-	-	-	2
White	2	-	-	-	2
Black	-	-	-	-	-
Delaware					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Dist of Columbia					
Total	1	1	1	-	-
White	-	-	-	-	-
Black	1	1	1	-	-
Florida					
Total	3	1	1	-	2
White	3	1	1	-	2
Black	-	-	-	-	-
Georgia					
Total	24	12	10	2	12
White	13	5	3	2	8
Black	11	7	7	-	4
Hawaii					
Total	1	1	1	-	-
White	-	-	-	-	-
Black	-	-	-	-	-

Documentation Table 6. Unlinked infant deaths by race, age at death, and state of residence: United States and each state, 2012

[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 2012 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	3	2	2	-	1
White	2	1	1	-	1
Black	1	1	1	-	-
Indiana					
Total	4	4	4	-	-
White	3	3	3	-	-
Black	1	1	1	-	-
Iowa					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Kansas					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Kentucky					
Total	3	-	-	-	3
White	2	-	-	-	2
Black	1	-	-	-	1
Louisiana					
Total	9	9	9	-	-
White	3	3	3	-	-
Black	6	6	6	-	-
Maine					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Maryland					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Massachusetts					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Michigan					
Total	4	-	-	-	4
White	3	-	-	-	3
Black	1	-	-	-	1
Minnesota					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Mississippi					
Total	3	1	1	-	2
White	3	1	1	-	2
Black	-	-	-	-	-

Documentation Table 6. Unlinked infant deaths by race, age at death, and state of residence: United States and each state, 2012

[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 2012 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	2	1	1	-	1
White	2	1	1	-	1
Black	-	-	-	-	-
Montana					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Nebraska					
Total	1	1	1	-	-
White	1	1	1	-	-
Black	-	-	-	-	-
Nevada					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
New Hampshire					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
New Jersey					
Total	5	4	4	-	1
White	3	2	2	-	1
Black	2	2	2	-	-
New Mexico					
Total	1	-	-	-	1
White	1	-	-	-	1
Black	-	-	-	-	-
New York					
Total	4	3	3	-	1
White	3	2	2	-	1
Black	1	1	1	-	-
New York City					
Total	2	1	1	-	1
White	2	1	1	-	1
Black	-	-	-	-	-
North Carolina					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
North Dakota					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Ohio					
Total	12	12	11	1	-
White	5	5	5	-	-
Black	5	5	4	1	-
Oklahoma					
Total	9	3	1	2	6
White	6	2	-	2	4
Black	2	1	1	-	1

Documentation Table 6. Unlinked infant deaths by race, age at death, and state of residence: United States and each state, 2012

[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 2012 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	8	8	8	-	-
White	3	3	3	-	-
Black	4	4	4	-	-
Rhode Island					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
South Carolina					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
South Dakota					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Tennessee					
Total	2	1	-	1	1
White	2	1	-	1	1
Black	-	-	-	-	-
Texas					
Total	77	74	71	3	3
White	60	57	55	2	3
Black	16	16	15	1	-
Utah					
Total	2	2	1	1	-
White	1	1	-	1	-
Black	-	-	-	-	-
Vermont					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Virginia					
Total	4	2	2	-	2
White	1	1	1	-	-
Black	2	1	1	-	1
Washington					
Total	1	-	-	-	1
White	-	-	-	-	-
Black	-	-	-	-	-
West Virginia					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-
Wisconsin					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-

Documentation Table 6. Unlinked infant deaths by race, age at death, and state of residence: United States and each state, 2012

[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 2012 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	1	1	1	-	-
White	-	-	-	-	-
Black	1	1	1	-	-
Guam					
Total	-	-	-	-	-
White	-	-	-	-	-
Black	-	-	-	-	-

1/ Totals for geographic areas include races other than white and black.
2/ Excludes data for foreign residents, Puerto Rico, Virgin Islands and Guam.

I-Table 1. Infant mortality rates, live births, and infant deaths by selected characteristics and Hispanic origin of mother and by race of mother for mothers of non-Hispanic origin: United States, 2012 linked file

Characteristics	All origins[1]	Non-Hispanic White	Non-Hispanic Black	American Indian or Alaska Native[2]	Asian or Pacific Islander	Hispanic Total	Mexican	Puerto Rican	Cuban	Central and South American
					Infant mortality rates per 1,000 live births in specified group					
Total	5.98	5.04	11.19	8.40	4.06	5.11	5.02	6.86	5.00	4.14
Age at death										
Total neonatal	4.02	3.31	7.46	4.86	2.88	3.58	3.56	4.85	3.97	2.85
Early neonatal (< 7 days)	3.27	2.65	6.10	3.71	2.31	2.97	2.96	4.15	3.22	2.36
Late neonatal (7-27 days)	0.75	0.66	1.36	1.15	0.58	0.60	0.60	0.70	*	0.49
Postneonatal	1.96	1.73	3.73	3.51	1.17	1.53	1.46	1.99	*	1.29
Sex										
Male	6.52	5.46	12.43	8.64	4.53	5.49	5.39	7.28	6.23	4.25
Female	5.43	4.60	9.90	8.15	3.55	4.72	4.64	6.39	3.62	4.03
Plurality										
Single births	5.30	4.41	9.91	7.76	3.47	4.69	4.66	6.21	3.52	3.85
Plural births	25.24	20.93	43.65	33.94	21.54	22.75	21.83	26.50	43.76	16.09
Birthweight										
Less than 2,500 grams	50.49	45.48	62.75	60.81	35.76	50.38	52.22	51.69	53.28	44.13
Less than 1,500 grams	217.69	206.85	229.96	243.59	200.89	217.68	224.88	230.45	224.26	195.11
1,500-2,499 grams	13.60	13.74	13.73	21.42	8.91	14.28	15.41	9.35	*	12.68
2,500 grams or more	2.07	1.99	3.21	4.04	1.19	1.69	1.71	2.14	*	1.29
Period of gestation										
Less than 37 weeks	34.30	30.42	49.00	36.89	28.36	29.26	29.43	36.82	24.92	23.27
Less than 32 weeks	163.14	153.19	185.81	155.80	157.23	149.89	150.73	176.21	161.09	126.69
32-33 weeks	16.23	16.82	16.79	*	16.00	13.94	15.88	*	*	*
34-36 weeks	7.10	7.22	7.82	12.91	5.36	6.27	6.47	5.82	*	4.74
37-41 weeks	2.24	2.11	3.59	3.78	1.30	1.90	1.92	2.28	1.90	1.48
37-38 weeks	3.05	2.95	4.59	5.09	1.70	2.46	2.52	3.22	*	1.72
39-40 weeks	1.84	1.73	2.97	3.05	1.08	1.59	1.60	1.75	*	1.35
41 weeks	1.87	1.71	3.09	*	*	1.81	1.86	*	*	*
42 weeks or more	2.63	2.50	3.80	3.14	1.05	2.24	2.23	*	*	2.49
Age of mother										
Under 20 years	8.66	8.26	12.49	9.14	8.23	6.26	5.89	7.06	*	5.47
20-24 years	7.03	6.20	11.56	8.18	5.12	5.03	4.79	6.89	6.64	4.28
25-29 years	5.40	4.64	10.34	7.40	3.83	4.50	4.35	6.26	*	3.78
30-34 years	4.97	4.14	10.40	9.02	3.53	4.82	4.96	6.47	5.01	3.61
35-39 years	5.36	4.44	11.06	8.05	4.23	5.26	5.40	7.25	*	4.37
40-54 years	7.67	6.00	15.00	*	4.57	8.86	9.08	13.29	*	6.61
Live-birth order										
1	5.99	4.96	11.51	7.58	4.11	5.41	5.31	6.99	4.85	4.54
2	5.13	4.39	9.87	6.84	3.49	4.54	4.44	6.30	5.56	3.61
3	5.88	5.38	9.85	9.07	4.47	4.62	4.67	5.90	*	3.35
4	7.14	6.16	12.34	10.81	5.74	5.50	5.36	7.39	*	4.59
5 or more	9.23	7.67	15.52	11.87	6.85	6.66	6.17	10.75	*	6.65
Marital status										
Married	4.63	4.18	9.10	6.69	3.80	4.73	4.74	5.71	4.61	4.15
Unmarried	7.95	7.11	11.99	9.24	5.32	5.44	5.27	7.48	5.30	4.14
Mother's place of birth										
Born in the 50 States and D.C	6.29	5.09	11.60	8.52	4.80	5.53	5.24	6.77	4.51	4.80
Born elsewhere	4.59	3.61	7.34	*	3.79	4.69	4.81	7.03	5.24	3.99

See footnotees at end of table.

I-Table 1. Infant mortality rates, live births, and infant deaths by selected characteristics and Hispanic origin of mother and by race of mother for mothers of non-Hispanic origin: United States, 2012 linked file--Con.

Characteristics	All origins[1]	Non-Hispanic White	Non-Hispanic Black	American Indian or Alaska Native[2]	Asian or Pacific Islander	Hispanic Total	Hispanic Mexican	Hispanic Puerto Rican	Hispanic Cuban	Hispanic Central and South American
					Live births					
Total	3,952,841	2,134,044	583,489	46,093	272,802	907,677	555,823	67,182	17,396	131,794
Sex										
Male	2,021,434	1,094,469	296,354	23,503	140,590	461,893	282,635	34,183	8,824	67,008
Female	1,931,407	1,039,575	287,135	22,590	132,212	445,784	273,188	32,999	8,572	64,786
Plurality										
Single births	3,816,898	2,052,331	561,315	45,003	263,934	886,536	544,143	65,069	16,779	128,563
Plural births	135,943	81,713	22,174	1,090	8,868	21,141	11,680	2,113	617	3,231
Birthweight										
Less than 2,500 grams	317,110	149,211	77,259	3,519	22,453	63,420	36,136	6,346	1,295	8,769
Less than 1,500 grams	57,328	24,525	17,516	624	3,141	11,255	6,350	1,215	272	1,512
1,500-2,499 grams	259,782	124,686	59,743	2,895	19,312	52,165	29,786	5,131	1,023	7,257
2,500 grams or more	3,635,053	1,984,687	506,133	42,569	250,312	844,218	519,662	60,833	16,101	123,023
Not stated	678	146	97	5	37	39	25	3	*	2
Period of gestation										
Less than 37 weeks	455,918	219,456	96,275	6,099	27,679	104,977	61,614	8,881	2,528	15,511
Less than 32 weeks	76,041	33,045	21,619	982	3,956	16,085	9,288	1,589	329	2,289
32-33 weeks	58,673	27,762	12,985	858	3,376	13,486	7,936	1,108	344	2,033
34-36 weeks	321,204	158,649	61,671	4,259	20,347	75,406	44,390	6,184	1,855	11,189
37-41 weeks	2,933,411	1,591,393	415,509	32,766	211,126	676,813	417,203	48,782	12,599	97,241
37-38 weeks	985,548	502,989	158,975	11,779	72,841	237,203	144,549	17,391	4,747	34,250
39-40 weeks	1,947,863	1,088,404	256,534	20,987	138,285	439,610	272,654	31,391	7,852	62,991
41 weeks	337,681	197,833	40,776	3,867	21,400	72,929	44,711	5,635	1,215	10,930
42 weeks or more	221,751	123,760	30,027	3,294	12,431	52,183	31,769	3,834	1,051	8,040
Not stated	4,080	1,602	902	67	166	775	526	50	3	72
Age of mother										
Under 20 years	309,060	120,623	72,549	6,565	5,591	104,118	67,616	8,920	914	8,043
20-24 years	916,811	444,300	187,488	15,164	28,527	241,138	149,401	21,201	3,915	25,929
25-29 years	1,123,900	641,377	149,649	12,294	74,211	244,474	150,159	17,245	5,170	36,744
30-34 years	1,013,416	603,041	107,863	7,871	97,949	193,142	114,523	12,515	4,193	36,006
35-39 years	472,318	261,885	51,536	3,356	53,397	99,859	59,472	5,796	2,553	19,925
40-54 years	117,336	62,818	14,404	843	13,127	24,946	14,652	1,505	651	5,147
Live-birth order										
1	1,570,976	895,171	222,744	15,959	122,769	310,326	177,831	26,600	8,041	44,748
2	1,245,437	697,087	165,282	12,419	97,639	270,687	159,905	20,464	6,117	43,465
3	650,611	328,391	99,180	8,273	33,575	180,552	117,889	11,355	2,222	25,385
4	275,816	124,564	48,877	4,627	10,969	86,551	59,690	5,005	640	10,903
5 or more	190,087	80,812	41,236	4,548	6,857	55,999	38,564	3,535	333	6,617
Not stated	19,914	8,019	6,170	267	993	3,562	1,944	223	43	676
Marital status										
Married	2,343,222	1,507,913	162,512	15,238	226,407	422,511	266,146	23,455	8,899	64,890
Unmarried	1,609,619	626,131	420,977	30,855	46,395	485,166	289,677	43,727	8,497	66,904
Mother's place of birth										
Born in the 50 States and D.C	3,042,117	1,997,813	498,564	43,185	60,027	432,475	256,451	48,298	8,418	21,688
Born elsewhere	896,363	131,134	80,146	2,821	211,333	473,154	298,754	18,208	8,969	109,785
Not stated	14,361	5,097	4,779	87	1,442	2,048	618	676	9	321

See footnotees at end of table.

I-Table 1. Infant mortality rates, live births, and infant deaths by selected characteristics and Hispanic origin of mother and by race of mother for mothers of non-Hispanic origin: United States, 2012 linked file--Con.

Characteristics	All origins[1]	Non-Hispanic		American Indian or Alaska Native[2]	Asian or Pacific Islander	Hispanic				
		White	Black			Total	Mexican	Puerto Rican	Cuban	Central and South American
					Infant deaths					
Total	23,654	10,759	6,528	387	1,108	4,640	2,789	461	87	546
Age at death										
Total neonatal	15,887	7,070	4,354	224	787	3,249	1,976	326	69	376
Early neonatal (< 7 days)	12,911	5,654	3,561	171	630	2,700	1,644	279	56	311
Late neonatal (7-27 days)	2,976	1,416	793	53	157	549	332	47	13	65
Postneonatal	7,767	3,689	2,174	162	320	1,392	813	134	18	170
Sex										
Male	13,170	5,981	3,685	203	637	2,534	1,522	249	55	285
Female	10,484	4,778	2,843	184	470	2,106	1,267	211	31	261
Plurality										
Single births	20,223	9,049	5,560	349	916	4,159	2,534	404	59	495
Plural births	3,431	1,710	968	37	191	481	255	56	27	52
Birthweight										
Less than 2,500 grams	16,012	6,786	4,848	214	803	3,195	1,887	328	69	387
Less than 1,500 grams	12,480	5,073	4,028	152	631	2,450	1,428	280	61	295
1,500-2,499 grams	3,532	1,713	820	62	172	745	459	48	8	92
2,500 grams or more	7,510	3,941	1,626	172	298	1,426	888	130	18	159
Not stated	132	32	54	1	6	19	14	2	*	*
Period of gestation										
Less than 37 weeks	15,637	6,675	4,717	225	785	3,072	1,813	327	63	361
Less than 32 weeks	12,405	5,062	4,017	153	622	2,411	1,400	280	53	290
32-33 weeks	952	467	218	17	54	188	126	11	3	18
34-36 weeks	2,280	1,146	482	55	109	473	287	36	7	53
37-41 weeks	6,585	3,365	1,492	124	274	1,285	801	111	24	144
37-38 weeks	3,004	1,482	729	60	124	584	364	56	10	59
39-40 weeks	3,581	1,883	763	64	150	701	437	55	14	85
41 weeks	633	339	126	14	18	132	83	8	*	18
42 weeks or more	583	309	114	20	21	117	71	8	*	20
Not stated	216	71	79	3	9	34	22	5	*	2
Age of mother										
Under 20 years	2,677	996	906	60	46	652	398	63	5	44
20-24 years	6,445	2,755	2,167	124	146	1,214	716	146	26	111
25-29 years	6,066	2,973	1,547	91	284	1,099	653	108	18	139
30-34 years	5,034	2,495	1,122	71	346	930	568	81	21	130
35-39 years	2,532	1,162	570	27	226	525	321	42	10	87
40-54 years	900	377	216	13	60	221	133	20	6	34
Live-birth order										
1	9,407	4,443	2,563	121	504	1,679	944	186	39	203
2	6,392	3,059	1,631	85	341	1,228	710	129	34	157
3	3,827	1,768	977	75	150	834	550	67	6	85
4	1,970	767	603	50	63	476	320	37	3	50
5 or more	1,755	620	640	54	47	373	238	38	3	44
Not stated	302	102	113	1	3	51	26	3	1	8
Marital status										
Married	10,859	6,309	1,479	102	860	1,999	1,261	134	41	269
Unmarried	12,795	4,450	5,048	285	247	2,641	1,528	327	45	277
Mother's place of birth										
Born in the 50 States and D.C	19,122	10,175	5,781	368	288	2,391	1,344	327	38	104
Born elsewhere	4,117	473	588	15	801	2,221	1,437	128	47	438
Not stated	414	111	159	3	18	27	8	6	1	4

* Figure does not meet standards of reliability or precision; based on fewer than 20 deaths in the numerator.
- Quantity zero.
1 Includes other and unknown Hispanic origin not stated, not shown separately.
2 Includes Aleuts and Eskimos.

NOTES: Infant deaths are weighted so numbers may not exactly add to totals due to rounding. Not stated responses were included in totals but not distributed among groups for rate computations. Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget standards. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race.

I-Table 2. Infant mortality rates by race and Hispanic origin of mother: United States and each State, Puerto Rico, Virgin Islands, and Guam, 2010-2012 linked files

[By place of residence]

| | Total | Race and Hispanic origin of mother | | | | | Ratio of rate, non-Hispanic black and non-Hispanic white |
		Non-Hispanic White	Non-Hispanic Black	American Indian or Alaska Native[1]	Asian or Pacific Islander	Hispanic	
		Infant mortality rates per 1,000 live births in specified group					
United States[2]	6.07	5.10	11.37	8.29	4.23	5.17	2.23
Alabama	8.61	6.76	13.32	*	*	5.22	1.97
Alaska	4.16	3.24	*	5.74	*	*	*
Arizona	5.90	4.85	10.37	8.75	6.02	5.96	2.14
Arkansas	7.20	6.53	10.53	*	*	5.88	1.61
California	4.66	3.93	9.13	6.94	3.79	4.58	2.32
Colorado	5.33	4.58	11.22	*	6.39	5.51	2.45
Connecticut	5.24	3.73	10.59	*	3.31	6.70	2.84
Delaware	7.99	6.39	12.25	*	*	5.99	1.92
District of Columbia	7.65	3.03	11.20	*	*	*	3.70
Florida	6.37	4.98	11.06	*	4.04	4.87	2.22
Georgia	6.48	5.04	9.72	*	3.39	4.43	1.93
Hawaii	5.45	3.76	*	*	5.87	6.33	*
Idaho	5.10	4.81	*	*	*	6.07	*
Illinois	6.64	5.05	13.17	*	5.30	5.65	2.61
Indiana	7.32	6.60	12.72	*	4.71	6.63	1.93
Iowa	4.98	4.74	11.42	*	*	3.75	2.41
Kansas	6.25	5.45	12.92	*	*	7.09	2.37
Kentucky	6.82	6.55	10.05	*	*	6.63	1.53
Louisiana	7.96	5.87	11.50	*	6.39	4.25	1.96
Maine	6.34	6.19	*	*	*	*	*
Maryland	6.67	3.86	11.51	*	4.30	5.23	2.98
Massachusetts	4.28	3.51	6.39	*	3.89	5.95	1.82
Michigan	6.87	5.24	13.60	12.20	4.02	5.55	2.60
Minnesota	4.77	4.19	8.08	10.78	3.83	5.15	1.93
Mississippi	9.26	6.44	12.96	*	*	*	2.01
Missouri	6.50	5.48	12.11	*	3.98	6.40	2.21
Montana	5.96	5.58	*	8.69	*	*	*
Nebraska	5.16	4.42	11.39	*	*	5.56	2.58
Nevada	5.38	5.08	8.96	*	4.41	4.90	1.76
New Hampshire	4.20	3.89	*	*	*	*	*
New Jersey	4.78	3.19	10.54	*	3.81	4.57	3.30
New Mexico	5.98	5.42	*	6.18	*	6.04	*
New York	5.07	3.92	9.30	10.24	3.49	5.07	2.37
North Carolina	7.23	5.44	12.74	11.18	4.38	5.46	2.34
North Dakota	6.54	5.65	*	14.78	*	*	*
Ohio	7.73	6.45	13.87	*	4.61	6.45	2.15
Oklahoma	7.43	6.95	10.87	8.77	7.19	6.02	1.56
Oregon	4.96	4.58	8.69	9.45	5.28	5.02	1.90
Pennsylvania	6.92	5.37	12.74	*	3.92	7.63	2.37
Rhode Island	6.69	5.52	11.91	*	*	6.14	2.16
South Carolina	7.38	5.20	12.06	*	*	4.50	2.32
South Dakota	7.19	5.80	*	12.29	*	*	*
Tennessee	7.51	6.45	12.32	*	3.74	5.13	1.91
Texas	5.88	5.22	10.67	*	3.77	5.40	2.04
Utah	5.05	4.80	12.13	*	7.76	4.97	2.53
Vermont	4.48	4.48	*	*	*	*	*
Virginia	6.70	4.88	12.62	*	5.02	5.75	2.59
Washington	4.77	4.44	8.03	8.79	4.17	4.31	1.81
West Virginia	7.01	7.07	9.76	*	*	*	1.38
Wisconsin	5.92	5.03	13.41	8.40	5.23	5.14	2.67
Wyoming	6.36	6.07	*	*	*	*	*
Puerto Rico	8.32	---	---	---	---	---	*
Virgin Islands	8.66	*	8.32	*	*	*	*
Guam	12.84	*	*	*	13.16	*	*

*   Figure does not meet standards of reliability or precision; based on fewer than 20 deaths in the numerator.
--- Data not available.
1   Includes Aleuts and Eskimos.
2   Excludes data for Puerto Rico, Virgin Islands, and Guam.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management ar standards. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are by race.

I-Table 3. Percentage of live births with selected maternal and infant characteristics by race and Hispanic origin of mother: United States, 2012 linked file

Characteristic	All races and origins[1]	Non-Hispanic		American Indian[2]	Asian or Pacific Islander	Hispanic				
		White	Black			Total[1]	Mexican	Puerto Rican	Cuban	Central and South American
Birthweight:										
Less than 1,500 grams	1.45	1.15	3.00	1.40	1.20	1.24	1.14	1.81	1.56	1.15
Less than 2,500 grams	8.0	7.0	13.2	7.6	8.2	7.0	6.5	9.4	7.4	6.7
Preterm births[3]	11.5	10.3	16.5	13.3	10.2	11.6	11.1	13.2	14.5	11.8
Births to mothers under 20 years	7.8	5.7	12.4	14.2	2.0	11.5	12.2	13.3	5.3	6.1
Fourth and higher order births	11.8	9.7	15.6	20.0	6.6	15.8	17.7	12.8	5.6	13.4
Births to unmarried mothers	40.7	29.3	72.1	66.9	17.0	53.5	52.1	65.1	48.8	50.8
Mothers born in the 50 States and D.C.	77.2	93.8	86.2	93.9	22.1	47.8	46.2	72.6	48.4	16.5

1 Includes other and unknown Hispanic and origin not stated not shown separately.
2 Includes Aleuts and Eskimos.
3 Born prior to 37 completed weeks of gestation.

NOTES: D.C. is District of Columbia. Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with 1977 Office of Management and Budget standards. Persons of Hispanic origin may be of any race. In this table, Hispanic women are classified only by place of origin; non-Hispanic women are classified by race.

I-Table 4. Live births, infant, neonatal, and postneonatal deaths and mortality rates by race and Hispanic origin of mother and birthweight: United States, 2012 linked file

Race and Birthweight	Number in 2012				Mortality rate per 1,000 live births in 2012		
	Live births	Infant deaths	Neonatal deaths	Postneonatal deaths	Infant	Neonatal	Postneonatal
All races 1	3,952,841	23,654	15,887	7,767	5.98	4.02	1.96
Less than 2,500 grams	317,110	16,012	13,137	2,875	50.49	41.43	9.07
Less than 1,500 grams	57,328	12,480	11,058	1,422	217.69	192.89	24.80
Less than 500 grams	6,568	5,554	5,425	129	845.62	825.97	19.64
500-749 grams	10,332	4,148	3,535	613	401.47	342.14	59.33
750-999 grams	11,435	1,370	1,053	317	119.81	92.09	27.72
1,000-1,249 grams	12,948	752	560	192	58.08	43.25	14.83
1,250-1,499 grams	16,045	655	484	171	40.82	30.17	10.66
1,500-1,999 grams	61,627	1,510	986	524	24.50	16.00	8.50
2,000-2,499 grams	198,155	2,022	1,092	929	10.20	5.51	4.69
2,500 grams or more	3,635,053	7,510	2,625	4,885	2.07	0.72	1.34
2,500-2,999 grams	722,271	2,673	1,035	1,638	3.70	1.43	2.27
3,000-3,499 grams	1,540,964	2,961	945	2,016	1.92	0.61	1.31
3,500-3,999 grams	1,059,137	1,397	470	927	1.32	0.44	0.88
4,000-4,499 grams	269,717	371	128	243	1.38	0.47	0.90
4,500-4,999 grams	38,309	76	32	43	1.98	0.84	1.12
5,000 grams or more	4,655	31	14	17	6.66	*	*
Not stated	678	132	125	7	...	...	...
Non-Hispanic White	2,134,044	10,759	7,070	3,689	5.04	3.31	1.73
Less than 2,500 grams	149,211	6,786	5,616	1,171	45.48	37.64	7.85
Less than 1,500 grams	24,525	5,073	4,550	524	206.85	185.52	21.37
Less than 500 grams	2,398	2,079	2,030	48	866.97	846.54	20.02
500-749 grams	3,920	1,685	1,484	200	429.85	378.57	51.02
750-999 grams	4,901	648	515	133	132.22	105.08	27.14
1,000-1,249 grams	5,832	364	280	84	62.41	48.01	14.40
1,250-1,499 grams	7,474	299	240	58	40.01	32.11	7.76
1,500-1,999 grams	29,692	749	515	235	25.23	17.34	7.91
2,000-2,499 grams	94,994	963	551	412	10.14	5.80	4.34
2,500 grams or more	1,984,687	3,941	1,424	2,517	1.99	0.72	1.27
2,500-2,999 grams	339,586	1,319	530	789	3.88	1.56	2.32
3,000-3,499 grams	807,183	1,564	519	1,045	1.94	0.64	1.29
3,500-3,999 grams	634,854	779	275	504	1.23	0.43	0.79
4,000-4,499 grams	175,331	220	75	145	1.25	0.43	0.83
4,500-4,999 grams	24,974	39	18	21	1.56	*	0.84
5,000 grams or more	2,759	19	6	13	*	*	*
Not stated	146	32	30	2	...	...	...
Non-Hispanic Black	583,489	6,528	4,354	2,174	11.19	7.46	3.73
Less than 2,500 grams	77,259	4,848	3,842	1,006	62.75	49.73	13.02
Less than 1,500 grams	17,516	4,028	3,462	565	229.96	197.65	32.26
Less than 500 grams	2,426	1,973	1,915	57	813.27	789.37	23.50
500-749 grams	3,692	1,337	1,079	258	362.13	292.25	69.88
750-999 grams	3,566	377	249	128	105.72	69.83	35.89
1,000-1,249 grams	3,671	186	130	56	50.67	35.41	15.25
1,250-1,499 grams	4,161	155	89	66	37.25	21.39	15.86
1,500-1,999 grams	14,702	349	186	163	23.74	12.65	11.09
2,000-2,499 grams	45,041	471	194	278	10.46	4.31	6.17
2,500 grams or more	506,133	1,626	460	1,167	3.21	0.91	2.31
2,500-2,999 grams	145,607	645	192	454	4.43	1.32	3.12
3,000-3,499 grams	226,028	636	164	472	2.81	0.73	2.09
3,500-3,999 grams	109,179	265	74	191	2.43	0.68	1.75
4,000-4,499 grams	21,827	59	20	39	2.70	0.92	1.79
4,500-4,999 grams	3,080	12	4	8	*	*	*
5,000 grams or more	412	8	6	2	*	*	*
Not stated	97	54	52	1	...	...	...

See footnotes at end of table.

I-Table 4. Live births, infant, neonatal, and postneonatal deaths and mortality rates by race and Hispanic origin of mother and birthweight: United States, 2012 linked file-Con

Race and Birthweight	Number in 2012				Mortality rate per 1,000 live births in 2012		
	Live births	Infant deaths	Neonatal deaths	Postneonatal deaths	Infant	Neonatal	Postneonatal
American Indian 2	46,093	387	224	162	8.40	4.86	3.51
Less than 2,500 grams	3,519	214	172	42	60.81	48.88	11.94
Less than 1,500 grams	624	152	137	15	243.59	219.55	*
Less than 500 grams	73	62	61	1	849.32	835.62	*
500-749 grams	117	49	43	6	418.80	367.52	*
750-999 grams	105	15	13	2	*	*	*
1,000-1,249 grams	153	13	9	4	*	*	*
1,250-1,499 grams	176	12	10	2	*	*	*
1,500-1,999 grams	697	22	14	8	31.56	*	*
2,000-2,499 grams	2,198	40	21	19	18.20	9.55	*
2,500 grams or more	42,569	172	51	120	4.04	1.20	2.82
2,500-2,999 grams	7,706	56	24	32	7.27	3.11	4.15
3,000-3,499 grams	17,072	67	17	50	3.92	*	2.93
3,500-3,999 grams	13,143	34	7	27	2.59	*	2.05
4,000-4,499 grams	3,842	12	2	10	*	*	*
4,500-4,999 grams	688	2	1	1	*	*	*
5,000 grams or more	118	-	-	-	*	*	*
Not stated	5	1	1	-	...	...	...
Asian/Pacific Islander	272,802	1,108	787	320	4.06	2.88	1.17
Less than 2,500 grams	22,453	803	661	143	35.76	29.44	6.37
Less than 1,500 grams	3,141	631	558	72	200.89	177.65	22.92
Less than 500 grams	312	271	266	5	868.59	852.56	*
500-749 grams	473	206	174	32	435.52	367.86	67.65
750-999 grams	625	76	62	14	121.60	99.20	*
1,000-1,249 grams	728	34	25	9	46.70	34.34	*
1,250-1,499 grams	1,003	43	31	12	42.87	30.91	*
1,500-1,999 grams	4,224	83	54	29	19.65	12.78	6.87
2,000-2,499 grams	15,088	90	49	41	5.97	3.25	2.72
2,500 grams or more	250,312	298	121	178	1.19	0.48	0.71
2,500-2,999 grams	62,659	109	47	61	1.74	0.75	0.97
3,000-3,499 grams	115,527	113	44	69	0.98	0.38	0.60
3,500-3,999 grams	59,102	51	21	30	0.86	0.36	0.51
4,000-4,499 grams	11,343	17	5	12	*	*	*
4,500-4,999 grams	1,473	7	3	4	*	*	*
5,000 grams or more	208	1	-	1	*	*	*
Not stated	37	6	6	-	...	...	...
Hispanic	907,677	4,640	3,248	1,392	5.11	3.58	1.53
Less than 2,500 grams	63,420	3,196	2,684	512	50.39	42.32	8.07
Less than 1,500 grams	11,255	2,450	2,203	247	217.68	195.74	21.95
Less than 500 grams	1,263	1,075	1,058	17	851.15	837.69	*
500-749 grams	2,063	838	719	120	406.20	348.52	58.17
750-999 grams	2,194	250	209	40	113.95	95.26	18.23
1,000-1,249 grams	2,556	152	114	38	59.47	44.60	14.87
1,250-1,499 grams	3,179	135	103	32	42.47	32.40	10.07
1,500-1,999 grams	12,063	308	217	90	25.53	17.99	7.46
2,000-2,499 grams	40,102	438	264	174	10.92	6.58	4.34
2,500 grams or more	844,218	1,426	545	880	1.69	0.65	1.04
2,500-2,999 grams	165,209	524	233	291	3.17	1.41	1.76
3,000-3,499 grams	372,383	562	194	367	1.51	0.52	0.99
3,500-3,999 grams	240,688	258	87	172	1.07	0.36	0.71
4,000-4,499 grams	56,749	64	23	40	1.13	0.41	0.70
4,500-4,999 grams	8,032	15	6	9	*	*	*
5,000 grams or more	1,157	3	2	1	*	*	*
Not stated	39	19	19	-	...	...	...

* Figure does not meet standards of reliability or precision; based on fewer than 20 deaths in the numerator.
... Category not apllicable.
- Quantity zero
1 Includes races other than white or black.
2 Includes Aleuts and Eskimos.

NOTES: Infant deaths are weighted so numbers may not exactly add to totals due to rounding. Neonatal is less than 28 days and postneonatal is 28 days to under 1 year. Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget standards. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race.

I - Table 5. Infant deaths and mortality rates for the five leading causes of infant death by race and Hispanic origin of mother: United States, 2012 linked file

[Rates per 100,000 live births in specified group]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	All races			Non-Hispanic White			Non-Hispanic Black			American Indian or Alaska native[1]			Asian or Pacific Islander[2]		
	Rank	Number	Rate	Rank	Number	Rate	Rank	Number	Rate	Rank	Number	Rate	Rank	Number	Rate
All causes	...	23,654	598.4	...	10,759	504.2	...	6,528	1,118.8	...	387	839.6	...	1,108	406.2
Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)	1	4,967	125.7	1	2,492	116.8	2	865	148.2	1	88	190.9	1	235	86.1
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2	4,214	106.6	2	1,602	75.1	1	1,536	263.2	2	44	95.5	2	177	64.9
Sudden infant death syndrome (R95)	3	1,676	42.4	3	906	42.5	4	448	76.8	2	44	95.5	5	46	16.9
Newborn affected by maternal complications of pregnancy (P01)	4	1,518	38.4	4	613	28.7	3	468	80.2	6	15	*	3	87	31.9
Accidents (unintentional injuries) (V01-X59)	5	1,163	29.4	5	607	28.4	5	344	59.0	4	26	56.4	6	34	12.5

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Total Hispanic[3]			Mexican[4]			Puerto Rican[5]			Central and South American[6]		
	Rank	Number	Rate	Rank	Number	Rate	Rank	Number	Rate	Rank	Number	Rate
All causes	...	4,640	511.2	...	2,789	501.8	...	461	686.2	...	546	414.3
Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)	1	1,240	136.6	1	796	143.2	2	64	95.3	1	172	130.5
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2	777	85.6	2	437	78.6	1	98	145.9	2	93	70.6
Sudden infant death syndrome (R95)	4	224	24.7	4	131	23.6	4	29	43.2	4	26	19.7
Newborn affected by maternal complications of pregnancy (P01)	3	307	33.8	3	191	34.4	3	32	47.6	3	31	23.5
Accidents (unintentional injuries) (V01-X59)	6	144	15.9	6	86	15.5	6	18	*	9	10	*

... Category not applicable.
* Figure does not meet standards of reliability or precision; based on fewer than 20 deaths in the numerator.
1 For American Indian or Alaska natives, Newborn affected by complications of placenta, cord and memberanes (P02) was the fifth leading cause of death with 17 deaths.
2 For Asian or Pacific Islanders, Newborn affected by complications of placenta, cord and membranes (P02) was the fourth leading cause of death with 58 deaths and a rate of 21.3.
3 For Hispanics, Newborn affected by complications of placenta, cord and membranes (P02) was the fifth leading cause of death with 210 deaths and a rate of 23.1.
4 For Mexicans, Newborn affected by complications of placenta, cord and membranes (P02) was the fifth leading cause of death with 121 deaths and a rate of 21.8.
5 For Puerto Ricans, Newborn affected by complications of placenta, cord and membranes (P02) was the fourth leading cause of death with 30 deaths and a rate of 44.7.
6 For Central and South Americans, Newborn affected by complications of placenta, cord and membranes (P02) was the fifth leading cause of death with 19 deaths.

NOTE: Reliable cause-specific infant mortality rates cannot be computed for Cubans because of the small number of infant deaths (87). Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget standards. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race.