Public Use
Data File
Documentation

2014 Cohort Linked Birth/Infant Death Data Set

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

2014 Cohort Linked Birth/Infant Death Data Set

Contents

Introduction, Methodology, and Classification of Data

Record layout and definition of items and codes

Titles and codes for the 130 cause-of death list

Documentation tables 1-4

External Links

User guide for the 2014 Period Linked Birth/Infant Death Data Set

User's Guide for the 2014 Natality File

Deaths: Final Data for 2014 (see Technical Notes)

Introduction

This documentation is for the 2014 birth cohort linked birth/infant death data set (linked file). Previous birth cohort linked files were released for data years 1983-91. Beginning with 1995 data, the linked file was released in two different formats - period data and birth cohort data.

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

Birth cohort data - The numerator of the 2014 birth cohort linked file consists of deaths to infants born in 2014 linked to their corresponding birth certificates, whether the death occurred in 2014 or 2015. The denominator for this data set is all births occurring in 2014.

For most purposes, differences between the birth cohort and period linked files are negligible. However, birth cohort files are preferred for multivariate and some other types of detailed analysis because they follow a given cohort of births for an entire year to ascertain their mortality experience. This is generally considered to be a more robust methodology than the period file, which is essentially cross-sectional in nature.

The 2014 birth cohort linked file includes two data files. The first file includes linked birth and death certificate data for all US infants born in 2014 who died before their first birthday - referred to as the numerator file. The second file is the 2014 NCHS natality file for the US with a few minor modifications - referred to as the denominator-plus file.

For the denominator-plus file, selected variables from the numerator file have been added to the denominator file to facilitate processing. These variables include age at death (and recodes), underlying cause of death (and the 130-cause recode), manner of death, method of disposition, place of injury, autopsy, and record weight. These variables are the most widely used variables from the numerator file. When the number of variables required from the numerator file is limited, the denominator-plus file may be used by itself for ease of programming. Infant death identification numbers are also included, so that the same infant can be uniquely identified and matched between the numerator and denominator-plus files.

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). Where comparable, revised data are combined with data from the remaining reporting areas. (Revised data are denoted by "R;" unrevised data are denoted by "U" in the "Rev"

column of the documentation.) 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.

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 2014 cohort linked file includes data for reporting areas that use the 2003 revision of the U.S. Standard Certificate of Live Birth (revised) and data for reporting areas that use the 1989 Standard Certificate of Live Birth (unrevised) (see the 2014 Natality User Guide). Although many data items are comparable across certificate revisions and are available for the entire United States, many items have more limited reporting areas. 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. 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 flags are available for most items on the file. 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. 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 cohort 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 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 source of payment item. Accordingly, use of the reporting flag for this item will produce 2014 cohort data for the source of payment for the states that implemented the revised birth certificate by January 1st 2014.

Sample SAS program

```
DATA work;
INFILE 'C:VS14LINK.USNUMPUB' LRECL=1743;
INPUT
RESTATUS  104
PAY        435
F_PAY      437    ;

IF restatus NE 4;     /*  exclude foreign residents */
IF F_pay = 1;         /* select reporting area */
IF pay=. then pay=9;  /*convert blanks into unknown category*/
RUN;

PROC FREQ data=work; TABLES PAY;
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 relatively quick, accurate 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. This approach may also be used to limit the reporting area to only states reporting multiple or single race data (see multiple race section below).

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 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. See the "Technical Notes" of Births: Final Data for 2014 and Deaths: Final Data for 2014.

Weighting

Beginning with the 1995 linked file, a weight was added to the linked numerator file to correct in part for biases in percent of records linked by major characteristics (see section

below on Percent of records linked). 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:

number of linked infant deaths + number of unlinked infant deaths
                    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.

For cohort file use: When using the birth cohort file, we do not suggest applying the weight included in the file. Applying the weight in a cohort file would upweight the number of births and infant deaths, making estimates less accurate than not accounting for the unlinked infant deaths.

Methodology

The methodology used to create the national file of linked birth and infant death records takes advantage of two existing 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 rigid 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 used 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.

After the initial linkage, NCHS provides computer lists of unlinked records to the states where the death occurred, to facilitate follow-up linking. If the birth occurred in a state different from the state of death, the state of birth identified on the death certificate was contacted to obtain the linking birth certificate. State additions and corrections were incorporated, and a final, national linked file was produced. Characteristics of the natality and mortality data from which the linked file is constructed are described in detail in the User Guide and Final Reports linked in this document.

Percent of Records Linked

The 2014 cohort linked file for the 50 States and D.C. includes 23,291 linked infant death records and 158 unlinked infant death records, a 99.3% linkage. Thirty-one states linked 100% of their 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 23,449.

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.

Resources

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 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. The User Guide for natality and the mortality final report for 2014 linked in this document also provide information on the source of data, coding procedures, quality of the data, etc.

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 2014. NCHS Instruction Manual Part 11. Hyattsville, Maryland: Public Health Service.

Instruction 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 .

In addition to changes due to the implementation of a new ICD revision, rules for coding a cause of death may occasionally require modification at other times, when evidence suggests that such modifications will improve the quality of cause-of-death data. These changes may affect comparability of data between years for select causes of death.

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 on the death certificate. Within this framework, the entity data are appropriate to examine relationships among conditions and the validity of traditional assumptions in underlying cause selection. Additionally, the entity data provide in certain categories a more detailed code assignment that could be excluded in creating record axis data. Where such detail is needed for a study, the user should use entity data. Finally, the researcher may not wish to be bound by the assumptions used in the axis translation process.

The main limitation of entity axis data is that it does not necessarily reflect the best code for a condition when considered within the context of the medical certification as a whole. As a result, certain entity codes can be misleading or even contradict other codes in the

record. For example, category K80.2 is titled "Calculus of gallbladder without cholecystitis." Within the framework of entity codes this is interpreted to mean that the codable entity itself contained no mention of cholecystitis rather than that cholecystitis was not mentioned anywhere on the record. Tabulation of records with a "K80.2" as a count of persons having Calculus of gallbladder without cholecystitis would therefore be erroneous. This illustrates the fact that under entity coding the ICD-10 titles cannot be taken literally. The user should study the rules for entity coding as they relate to his/her research prior to use of entity data. The user is further cautioned that the inclusion notes in ICD-10 that relate to modifying and combining categories are seldom applicable to entity coding (except where provided in NCHS Instruction Manual Part 2b).

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

Record Axis Codes

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

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

1. Cause category: The first four bytes represent the ICD-10 cause code.

2. The last byte is blank.

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

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

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

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

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

Additional Information

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

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

2014 Linked Public Use File Layout

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

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
34-49	16		FILLER	**FILLER**		Blank	
50	1	P,G	BFACIL3	**Facility Recode**		1 2 3	In Hospital Not in Hospital Unknown or Not Stated
51-72	22		FILLER	**FILLER**		Blank	
73	1	P,G	MAGEIMP	**Mother's Age Imputed** Due to missing data, age imputed.		Blank 1	Age not imputed Age imputed
74	1	P,G	MAGEREP	**Reported Age of Mother Used Flag** Due to missing date of birth, reported age used.		Blank 1	Reported age not used Reported age used
75-76	2	P,G	MAGER	**Mother's Age Recode 41**			12 10 – 12 years, 13 13 years, 14 14 years, 15 15 years, 16 16 years, 17 17 years, 18 18 years, 19 19 years, 20 20 years, 21 21 years, 22 22 years, 23 23 years, 24 24 years, 25 25 years, 26 26 years, 27 27 years, 28 28 years, 29 29 years, 30 30 years, 31 31 years, 32 32 years, 33 33 years, 34 34 years, 35 35 years, 36 36 years, 37 37 years, 38 38 years, 39 39 years, 40 40 years, 41 41 years, 42 42 years, 43 43 years, 44 44 years, 45 45 years, 46 46 years, 47 47 years, 48 48 years, 49 49 years, 50 50 years and over
77-78	2	P,G	MAGER14	**Mother's Age Recode 14**		01 03 04 05 06 07 08 09 10 11 12 13 14	Under 15 Years 15 years 16 years 17 years 18 years 19 years 20-24 years 25-29 years 30-34 years 35-39 years 40-44 years 45-49 years 50-54 years
79	1	P,G	MAGER9	**Mother's Age Recode 9**		1 2 3 4 5 6 7	Under 15 years 15-19 years 20-24 years 25-29 years 30-34 years 35-39 years 40-44 years

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						8	45-49 years
						9	50-54 years
80-83	4		FILLER	**FILLER**		Blank	
84	1	P,G	MBSTATE_REC	**Mother's Nativity**		1	Born in the U.S. (50 US States)
						2	Born outside the U.S. (includes possessions)
						3	Unknown or Not Stated
85-103	19		FILLER	**FILLER**		Blank	
104	1	P,G	RESTATUS	**Residence Status**			
				United States		1	RESIDENT: State and county of occurrence and residence are the same.
						2	INTRASTATE NONRESIDENT: State of occurrence and residence are the same but county is different.
						3	INTERSTATE NONRESIDENT: State of occurrence and residence are different but both are one of the 50 US states or District of Columbia.
						4	FOREIGN RESIDENT: The state of residence is not one of the 50 US states or District of Columbia.
				U.S. Territories		1	RESIDENT: State and county of occurrence and residence residence are the same. (Unique to Guam, all US residents are considered residents of Guam and thus are assigned 1.)
						2	INTRATERRITORY NONRESIDENT: Territory of occurrence and residence are the same but county is different.
						3	INTERTERRITORY RESIDENT: Territory of occurrence and residence are different but both are US Territories.
						4	FOREIGN RESIDENT: The residence is not a US Territory.
105-106	2	P,G	MRACE31	**Mother's Race Recode 31**			
				United States and all Outlying Areas of the United States except Puerto Rico		01	White (only) [only one race reported]
						02	Black (only)
						03	AIAN (American Indian or Alaskan Native) (only)
						04	Asian (only)
						05	NHOPI (Native Hawaiian or Other Pacific Islander) (only)
						06	Black and White
						07	Black and AIAN
						08	Black and Asian
						09	Black and NHOPI
						10	AIAN and White
						11	AIAN and Asian
						12	AIAN and NHOPI
						13	Asian and White

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						14	Asian and NHOPI
						15	NHOPI and White
						16	Black, AIAN, and White
						17	Black, AIAN, and Asian
						18	Black, AIAN, and NHOPI
						19	Black, Asian, and White
						20	Black, Asian, and NHOPI
						21	Black, NHOPI, and White
						22	AIAN, Asian, and White
						23	AIAN, NHOPI, and White
						24	AIAN, Asian, and NHOPI
						25	Asian, NHOPI, and White
						26	Black, AIAN, Asian, and White
						27	Black, AIAN, Asian, and NHOPI
						28	Black, AIAN, NHOPI, and White
						29	Black, Asian, NHOPI, and White
						30	AIAN, Asian, NHOPI, and White
						31	Black, AIAN, Asian, NHOPI, and White
107	1	P,G	MRACE6	**Mother's Race Recode 6**			
				United States and all Outlying Areas of the United States except Puerto Rico		1	White (only)
						2	Black (only)
						3	AIAN (only)
						4	Asian (only)
						5	NHOPI (only)
						6	More than one race
108-109	2	P,G	MRACE15	**Mother's Race Recode 15**			
				United States and all Outlying Areas of the United States except Puerto Rico		01	White (only)
						02	Black (only)
						03	AIAN (only)
						04	Asian Indian (only)
						05	Chinese (only)
						06	Filipino (only)
						07	Japanese (only)
						08	Korean (only)
						09	Vietnamese (only)
						10	Other Asian (only)
						11	Hawaiian (only)
						12	Guamanian (only)
						13	Samoan (only)
						14	Other Pacific Islander (only)
						15	More than one race
110	1	P,G	MBRACE	**Bridged Race Mother**			

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
				Includes individuals reporting only one race and individuals reporting more than one race bridged to a single race.			
				United States and all Outlying Areas of the United States except Puerto Rico		1	White
						2	Black
						3	American Indian or Alaskan Native
						4	Asian or Pacific Islander
				Puerto Rico		1	White
						2	Black
						0	Other (not classified as White or Black)
111	1	P,G	MRACEIMP	**Mother's Race Imputed**		Blank	Mother's race not imputed
						1	Unknown race imputed
						2	All other races, formerly coded 09, imputed.
112-114	3		FILLER	**FILLER**		Blank	
115	1	P,G	MHISP_R	**Mother's Hispanic Origin Recode**	116	0	Non-Hispanic
						1	Mexican
						2	Puerto Rican
						3	Cuban
						4	Central and South American
						5	Other and Unknown Hispanic origin
						9	Hispanic origin not stated
116	1	P,G	F_MHISP	**Reporting Flag for Mother's Origin**			See footnote
117	1	P,G	MRACEHISP	**Mother's Race/Hispanic Origin** Based on single/multiple-race (fields 105-106, 107, and 108-109); for coding to create bridged-race categories (field 110) see "Coding for bridge-race and Hispanic origin categories" in the Detailed Technical Notes.		1	Non-Hispanic White (only)
						2	Non-Hispanic Black (only)
						3	Non-Hispanic AIAN (only)
						4	Non-Hispanic Asian (only)
						5	Non-Hispanic NHOPI (only)
						6	Non-Hispanic more than one race
						7	Hispanic
						8	Origin unknown or not stated

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
118	1		FILLER	**FILLER**		Blank	
119	1	P,G	MAR_P	**Paternity Acknowledged**	123	Y	Yes
						N	No
						U	Unknown
						X	Not Applicable
120	1	P,G	DMAR	**Marital Status**			
				United States and all Outlying Areas Of the United States except Puerto Rico		1	Married
						2	Unmarried
						9	Unknown, NS
				Puerto Rico		1	Yes
						2	Unmarried parents living together
						3	Unmarried parents not living together
						9	Unknown or not stated
121	1	P,G	MAR_IMP	**Mother's Marital Status Imputed**		Blank	Marital Status not imputed
						1	Marital Status imputed
122	1		FILLER	**FILLER**		Blank	
123	1	P,G	F_MAR_P	**Reporting Flag for Paternity Acknowledged**			See footnote
124	1	P,G	MEDUC	**Mother's Education**	126	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
125	1		FILLER	**FILLER**		Blank	
126	1	P,G	F_MEDUC	**Reporting Flag for Education of Mother**			See footnote
127-141	15		FILLER	**FILLER**		Blank	
142	1	P,G	FAGERPT_FLG	**Father's Reported Age Used**		Blank	Father's reported age not used
						1	Father's reported age used
143-146	4		FILLER	**FILLER**		Blank	
147-148	2	P,G	FAGECOMB	**Father's Combined Age (Revised)**		09-98	Father's combined age in years

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						99	Unknown or not stated
149-150	2	P,G	FAGE11	**Father's Age Recode 11**		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
151-152	2	P,G	FRACE31	**Father's Race Recode 31**		01	White (only) [only one race reported]
						02	Black (only)
						03	AIAN (American Indian or Alaskan Native) (only)
						04	Asian (only)
						05	NHOPI (Native Hawaiian or Other Pacific Islander) (only)
						06	Black and White
						07	Black and AIAN
						08	Black and Asian
						09	Black and NHOPI
						10	AIAN and White
						11	AIAN and Asian
						12	AIAN and NHOPI
						13	Asian and White
						14	Asian and NHOPI
						15	NHOPI and White
						16	Black, AIAN, and White
						17	Black, AIAN, and Asian
						18	Black, AIAN, and NHOPI
						19	Black, Asian, and White
						20	Black, Asian, and NHOPI
						21	Black, NHOPI, and White
						22	AIAN, Asian, and White
						23	AIAN, NHOPI, and White
						24	AIAN, Asian, and NHOPI
						25	Asian, NHOPI, and White
						26	Black, AIAN, Asian, and White
						27	Black, AIAN, Asian, and NHOPI
						28	Black, AIAN, NHOPI, and White
						29	Black, Asian, NHOPI, and White
						30	AIAN, Asian, NHOPI, and White
						31	Black, AIAN, Asian, NHOPI, and White
						99	Unknown or Not Stated

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
153	1	P,G	FRACE6	**Father's Race Recode 6**		1	White (only)
						2	Black (only)
						3	AIAN (only)
						4	Asian (only)
						5	NHOPI (only)
						6	More than one race
						9	Unknown or Not Stated
154-155	2	P,G	FRACE15	**Father's Race Recode 15**		01	White (only)
						02	Black (only)
						03	AIAN (only)
						04	Asian Indian (only)
						05	Chinese (only)
						06	Filipino (only)
						07	Japanese (only)
						08	Korean (only)
						09	Vietnamese (only)
						10	Other Asian (only)
						11	Hawaiian (only)
						12	Guamanian (only)
						13	Samoan (only)
						14	Other Pacific Islander (only)
						15	More than one race
						99	Unknown or Not Stated
156	1	P,G	FBRACE	**Bridged Race Father** Includes individuals reporting only one race and individuals reporting more than one race bridged to a single race.			
				United States and all Outlying Areas of the United States except Puerto Rico		1	White
						2	Black
						3	American Indian or Alaskan Native
						4	Asian or Pacific Islander
				Puerto Rico		1	White
						2	Black
						0	Other (not classified as White or Black)
157-159	3		FILLER	**FILLER**		Blank	
160	1	P,G	FHISP_R	**Father's Hispanic Origin Recode**	161	0	Non-Hispanic
						1	Mexican
						2	Puerto Rican
						3	Cuban
						4	Central and South American

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						5	Other and Unknown Hispanic origin
						9	Hispanic origin not stated
161	1	P,G	F_FHISP	**Reporting Flag for Father's Origin**			See footnote
162	1	P,G	FRACEHISP	**Father's Race/Hispanic Origin** Based on single/multiple-race (fields 151-152, 153, and 154-155); for coding to create bridged-race categories (field 156) see "Coding for bridge-race and Hispanic origin categories" in the Detailed Technical Notes		1 2 3 4 5 6 7 8 9	Non-Hispanic White (only) Non-Hispanic Black (only) Non-Hispanic AIAN (only) Non-Hispanic Asian (only) Non-Hispanic NHOPI (only) Non-Hispanic more than one race Hispanic Origin unknown or not stated Race unknown or not stated (Non-Hispanic)
163	1	P,G	FEDUC	**Father's Education**	165	1 2 3 4 5 6 7 8 9	8th grade or less 9th through 12th grade with no diploma High school graduate or GED completed Some college credit, but not a degree. Associate degree (AA,AS) Bachelor's degree (BA, AB, BS) Master's degree (MA, MS, MEng, MEd, MSW, MBA) Doctorate (PhD, EdD) or Professional Degree (MD, DDS, DVM, LLB, JD) Unknown
164	1		FILLER	**FILLER**		Blank	
165	1	P,G	F_FEDUC	**Reporting Flag for Education of Father**			See footnote
166-170	5		FILLER	**FILLER**		Blank	
171-172	2	P,G	PRIORLIVE	**Prior Births Now Living**		00-30 99	Number of children still living from previous live births. Unknown or not stated
173-174	2	P,G	PRIORDEAD	**Prior Births Now Dead**		00-30 99	Number of children dead from previous live births. Unknown or not stated
175-176	2	P,G	PRIORTERM	**Prior Other Terminations**		00-30 99	Number other terminations Unknown or not stated
177-178	2		FILLER	**FILLER**		Blank	
179	1	P,G	LBO_REC	**Live Birth Order Recode**		1-7 8 9	Number of live birth order. 8 or more live births Unknown or not stated

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
180-181	2		FILLER	**FILLER**		Blank	
182	1	P,G	TBO_REC	**Total Birth Order Recode**		1-7 8 9	Number of total birth order. 8 or more total births Unknown or not stated
183-197	15		FILLER	**FILLER**		Blank	
198-200	3	P,G	ILLB_R	**Interval of Last Live Birth Recode**	126	000-003 004-300 888 999	Plural delivery Months since last live birth Not applicable / 1st live birth Unknown or not stated
201-202	2	P,G	ILLB_R11	**Interval of Last Live Birth Recode 11**	126	00 01 02 03 04 05 06 07 08 88 99	Zero to 3 months (plural delivery) 4 to 11 months 12 to 17 months 18 to 23 months 24 to 35 months 36 to 47 months 48 to 59 months 60 to 71 months 72 months and over Not applicable (1st live birth) Unknown or not stated
203-205	3		FILLER	**FILLER**		Blank	
206-208	3	P,G	ILOP_R	**Interval of Last Other Pregnancy Recode**	126	000-003 004-300 888 999	Plural delivery Months since last live birth Not applicable / 1st natality event Unknown or not stated
209-210	2	P,G	ILOP_R11	**Interval of Last Other Pregnancy Recode 11**	126	00 01 02 03 04 05 06 07 08 88 99	Zero to 3 months (plural delivery) 4 to 11 months 12 to 17 months 18 to 23 months 24 to 35 months 36 to 47 months 48 to 59 months 60 to 71 months 72 months and over Not applicable (1st natality event) Unknown or not stated
211-213	3		FILLER	**FILLER**		Blank	

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
214-216	3	P,G	ILP_R	**Interval of Last Pregnancy Recode** 126		000-003	Plural delivery
						004-300	Months since last live birth
						888	Not applicable / no previous pregnancy
						999	Unknown or not stated
217-218	2	P,G	ILP_R11	**Interval of Last Pregnancy Recode 11** 126		00	Zero to 3 months (plural delivery)
						01	4 to 11 months
						02	12 to 17 months
						03	18 to 23 months
						04	24 to 35 months
						05	36 to 47 months
						06	48 to 59 months
						07	60 to 71 months
						08	72 months and over
						88	Not applicable (no previous pregnancy)
						99	Unknown or not stated
219-223	5		FILLER	**FILLER**		Blank	
224-225	2	P,G	PRECARE	**Month Prenatal Care**	226	00	No prenatal care
						01-10	Month prenatal care began
						99	Unknown or not stated
226	1	P,G	F_MPCB	**Reporting Flag for Month Prenatal Care Began**		0	Non-Reporting
						1	Reporting
227	1	P,G	PRECARE5	**Month Prenatal Care Began Recode** 226		1	1st to 3rd month
						2	4th to 6th month
						3	7th to final month
						4	No prenatal care
						5	Unknown or not stated
228-237	10		FILLER	**FILLER**		Blank	
238-239	2	P,G	PREVIS	**Number of Prenatal Visits (Revised)** See field 242-243 for national data		00-98	Number of prenatal visits
						99	Unknown or not stated
240-241	2		FILLER	**FILLER**		Blank	
242-243	2	P,G	PREVIS_REC	**Number of Prenatal Visits Recode** 244		01	No visits
						02	1 to 2 visits
						03	3 to 4 visits
						04	5 to 6 visits

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						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
244	1	P,G	F_TPCV	**Reporting Flag for Total Prenatal Care Visits**			See footnote
245-250	6		FILLER	**FILLER**		Blank	
251	1	P,G	WIC	**WIC**	252	Y	Yes
						N	No
						U	Unknown or not stated
252	1	P,G	F_WIC	**Reporting Flag for WIC**			See footnote
253-254	2	P,G	CIG_0	**Cigarettes Before Pregnancy**	265	00-97	Number of cigarettes daily
						98	98 or more cigarettes daily
						99	Unknown or not stated
255-256	2	P,G	CIG_1	**Cigarettes 1st Trimester**	266	00-97	Number of cigarettes daily
						98	98 or more cigarettes daily
						99	Unknown or not stated
257-258	2	P,G	CIG_2	**Cigarettes 2nd Trimester**	267	00-97	Number of cigarettes daily
						98	98 or more cigarettes daily
						99	Unknown or not stated
259-260	2	P,G	CIG_3	**Cigarettes 3rd Trimester**	268	00-97	Number of cigarettes daily
						98	98 or more cigarettes daily
						99	Unknown or not stated
261	1	P,G	CIG0_R	**Cigarettes Before Pregnancy Recode**	265	0	Nonsmoker
						1	1-5
						2	6-10
						3	11-20
						4	21-40
						5	41 or more
						6	Unknown or not stated
262	1	P,G	CIG1_R	**Cigarettes 1st Trimester Recode**	266	0	Nonsmoker
						1	1-5
						2	6-10

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						3	11-20
						4	21-40
						5	41 or more
						6	Unknown or not stated
263	1	P,G	CIG2_R	**Cigarettes 2nd Trimester Recode**	267	0	Nonsmoker
						1	1-5
						2	6-10
						3	11-20
						4	21-40
						5	41 or more
						6	Unknown or not stated
264	1	P,G	CIG3_R	**Cigarettes 3rd Trimester Recode**	268	0	Nonsmoker
						1	1-5
						2	6-10
						3	11-20
						4	21-40
						5	41 or more
						6	Not stated / Not on certificate
265	1	P,G	F_CIGS_0	**Reporting Flag for Cigarettes before Pregnancy**			See footnote
266	1	P,G	F_CIGS_1	**Reporting Flag for Cigarettes 1st Trimester**			See footnote
267	1	P,G	F_CIGS_2	**Reporting Flag for Cigarettes 2nd Trimester**			See footnote
268	1	P,G	F_CIGS_3	**Reporting Flag for Cigarettes 3rd Trimester**			See footnote
269	1	P,G	CIG_REC	**Cigarette Recode (Revised)** 270		Y	Yes
						N	No
						U	Unknown or not stated
270	1	P,G	F_TOBACO	**Reporting Flag for Tobacco use**			See footnote
271-279	9		FILLER	**FILLER**		Blank	
280-281	2	P,G	MHTR	**Mother's Height in Inches (Recode)**	282	30-78	Height in inches
						99	Unknown or not stated
282	1	P,G	F_M_HT	**Reporting Flag for Mother's Height**			See footnote
283-286	4	P,G	BMI	**BMI**	282	13.0-69.9	Body Mass Index
						99.9	Unknown or not stated
287	1	P,G	BMI_R	**Body Mass Index Recode**	282	1	Underweight <18.5

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						2	Normal 18.5-24.9
						3	Overweight 25.0-29.9
						4	Obesity I 35.0-39.9
						5	Obesity II 35.0-39.9
						6	Extreme Obesity III ≥ 40.0
						9	Unknown or not stated
288-291	4		FILLER	**FILLER**		Blank	
292-294	3	P,G	PWgt_R	**Pre-pregnancy Weight Recode**	295	075-375	Weight in pounds
						999	Unknown or not stated
295	1	P,G	F_PWGT	**Reporting Flag for Pre-pregnancy Weight**			See footnote
296-298	3		FILLER	**FILLER**		Blank	
299-301	3	P,G	DWgt_R	**Delivery Weight Recode**	303	100-400	Weight in pounds
						999	Unknown or not stated
302	1		FILLER	**FILLER**		Blank	
303	1	P,G	F_DWGT	**Reporting Flag for Delivery Weight**			See footnote
304-305	2	P,G	WTGAIN	**Weight Gain**	307	00-97	Weight gain in pounds
						98	98 pounds and over
						99	Unknown or not stated
306	1	P,G	WTGAIN_REC	**Weight Gain Recode**	307	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
307	1	P,G	F_WTGAIN	**Reporting Flag for Weight Gain**			See footnote
308-312	5		FILLER	**FILLER**		Blank	

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
313-338	30		**Risk Factors**				
313	1	P,G	RF_PDIAB	**Pre-pregnancy Diabetes**	319	Y	Yes
314	1	P,G	RF_GDIAB	**Gestational Diabetes**	320	N	No
315	1	P,G	RF_PHYPE	**Pre-pregnancy Hypertension**	321	U	Unknown or not stated

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
316	1	P,G	RF_GHYPE	**Gestational Hypertension**	322		
317	1	P,G	RF_EHYPE	**Hypertension Eclampsia**	323		
318	1	P,G	RF_PPB	**Previous Preterm Birth**	324		
319	1	P,G	F_RF_PDIAB	**Reporting Flag for Pre-pregnancy Diabetes**			See footnote
320	1	P,G	F_RF_GDIAB	**Reporting Flag for Gestational Diabetes**			
321	1	P,G	F_RF_PHYPE	**Reporting Flag for Pre-pregnancy Hypertension**			
322	1	P,G	F_RF_GHYPE	**Reporting Flag for Gestational Hypertension**			
323	1	P,G	F_RF_EHYPE	**Reporting Flag for Hypertension Eclampsia**			
324	1	P,G	F_RF_PPB	**Reporting Flag for Previous Preterm Birth**			
325	1	P,G	RF_INFT	**Infertility Treatment** Use reporting flag in field 319 for 2014		Y N U	Yes No Unknown or not stated
326	1	P,G	RF_DRG	**Fertility Enhancing Drugs**	329	Y N X U	Yes No Not applicable Unknown or not stated
327	1	P,G	RF_ART	**Asst. Reproductive Technology**	330	Y N X U	Yes No Not applicable Unknown or not stated
328	1		FILLER	**FILLER**		Blank	
329	1	P,G	F_RF_DRG	**Reporting Flag for Fertility Enhance Drugs**			See footnote
330	1	P,G	F_RF_ART	**Reporting Flag for Reproductive Technology**			See footnote
331	1	P,G	RF_CESAR	**Previous Cesareans**	335	Y N U	Yes No Unknown or not stated
332-333	2	P,G	RF_CESARN	**Number of Previous Cesareans**	336	00 01-30 99	None Number of previous cesareans Unknown or not stated
334	1		FILLER	**FILLER**		Blank	
335	1	P,G	F_RF_CESAR	**Reporting Flag for Previous Cesarean**			See footnote
336	1	P,G	F_RF_NCESAR	**Reporting Flag for Number of Previous Cesareans**			See footnote
337	1	P,G	NO_RISKS	**No Risk Factors Checked**	126	1	True

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						0	False
						9	Not Reported
338-342	5		FILLER	**Filler**		Blank	
343-358	15		**<u>Infections Present</u>**				
343	1	P,G	IP_GON	**Gonorrhea**	348	Y	Yes
344	1	P,G	IP_SYPH	**Syphilis**	349	N	No
345	1	P,G	IP_CHLAM	**Chlamydia**	350	U	Unknown or not stated
346	1	P,G	IP_HEPB	**Hepatitis B**	351		
347	1	P,G	IP_HEPC	**Hepatitis C**	352		
348	1	P,G	F_IP_GON	**Reporting Flag for Gonorrhea**			See footnote
349	1	P,G	F_IP_SYPH	**Reporting Flag for Syphilis**			
350	1	P,G	F_IP_CHLAM	**Reporting Flag for Chlamydia**			
351	1	P,G	F_IP_HEPB	**Reporting Flag for Hepatitis B**			
352	1	P,G	F_IP_HEPC	**Reporting Flag for Hepatitis C**			
353	1	P,G	NO_INFEC	**No Infections Checked**	126	1	True
						0	False
						9	Not Reported
354-359	6		FILLER	**FILLER**		Blank	
360-370	12		**<u>Obstetric Procedures</u>**				
360	1	P,G	OB_SUCC	**Successful External Cephalic Version**	363	Y	Yes
						N	No
						U	Unknown or not stated
361	1	P,G	OB_FAIL	**Failed External Cephalic Version**	364	Y	Yes
						N	No
						U	Unknown or not stated
362	1		FILLER	**FILLER**		Blank	
363	1	P,G	F_OB_SUCC	**Reporting Flag for Successful External Cephalic Version**			See footnote
364	1	P,G	F_OB_FAIL	**Reporting Flag for Failed External Cephalic Version**			See footnote
365-371	7	P,G	SEQNUM_CO	**Cohort Sequence Number** Each record is assigned a unique number		0000001-nnnnnnn	
372-383	11		FILLER	**FILLER**		Blank	

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
383-400	18		**Characteristics of Labor and Delivery**				
383	1	P,G	LD_INDL	**Induction of Labor**	389	Y	Yes
384	1	P,G	LD_AUGM	**Augmentation of Labor**	390	N	No
385	1	P,G	LD_STER	**Steroids**	391	U	Unknown or not stated
386	1	P,G	LD_ANTB	**Antibiotics**	392		
387	1	P,G	LD_CHOR	**Chorioamnionitis**	393		
388	1	P,G	LD_ANES	**Anesthesia**	394		
389	1	P,G	F_LD_INDL	**Reporting Flag for Induction of Labor**			See footnote
390	1	P,G	F_LD_AUGM	**Reporting Flag for Augmentation of Labor**			
391	1	P,G	F_LD_STER	**Reporting Flag for Steroids**			
392	1	P,G	F_LD_ANTB	**Reporting Flag for Antibiotics**			
393	1	P,G	F_LD_CHOR	**Reporting Flag for Chorioamnionitis**			
394	1	P,G	F_LD_ANES	**Reporting Flag for Anesthesia**			
395	1	P,G	NO_LBRDLV	**No Characteristics of Labor Checked**	126	1	True
						0	False
						9	Not Reported
396-400	5		FILLER	**FILLER**		Blank	
401-414	14		**Method of Delivery**				
401	1	P,G	ME_PRES	**Fetal Presentation**	404	1	Cephalic
						2	Breech
						3	Other
						9	Unknown or not stated
402	1	P,G	ME_ROUT	**Final Route & Method of Delivery**	405	1	Spontaneous
						2	Forceps
						3	Vacuum
						4	Cesarean
						9	Unknown or not stated
403	1	P,G	ME_TRIAL	**Trial of Labor Attempted**	406	Y	Yes
						N	No
						X	Not applicable
						U	Unknown or not stated
404	1	P,G	F_ME_PRES	**Reporting Flag for Fetal Presentation**			See footnote
405	1	P,G	F_ME_ROUT	**Reporting Flag for Final Route and Method of Delivery**			See footnote
406	1	P,G	F_ME_TRIAL	**Reporting Flag for Trial of Labor Attempted**			See footnote

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
407	1	P,G	RDMETH_REC	**Delivery Method Recode**	409	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)
						6	C-section (unknown if previous c-section)
						9	Not stated
408	1	P,G	DMETH_REC	**Delivery Method Recode Combined**		1	Vaginal
						2	C-Section
						9	Unknown
409	1	P,G	F_DMETH_REC	**Reporting Flag for Method of Delivery Recode**			See footnote
410-414	5		FILLER	**FILLER**		Blank	
415-432		18	**Maternal Morbidity**				
415	1	P,G	MM_MTR	**Maternal Transfusion**	421	Y	Yes
416	1	P,G	MM_PLAC	**Perineal Laceration**	422	N	No
417	1	P,G	MM_RUPT	**Ruptured Uterus**	423	U	Unknown or not stated
418	1	P,G	MM_UHYST	**Unplanned Hysterectomy**	424		
419	1	P,G	MM_AICU	**Admit to Intensive Care**	425		
420	1		FILLER	**FILLER**		Blank	
421	1	P,G	F_MM_MTR	**Reporting Flag for Maternal Transfusion**			See footnote
422	1	P,G	F_MM_ PLAC	**Reporting Flag for Perineal Laceration**			
423	1	P,G	F_MM_RUPT	**Reporting Flag for Ruptured Uterus**			
424	1	P,G	F_MM_UHYST	**Reporting Flag for Unplanned Hysterectomy**			
425	1	P,G	F_MM_AICU	**Reporting Flag for Admission to Intensive Care**			
426	1		FILLER	**FILLER**		Blank	
427	1	P,G	NO_MMORB	**No Maternal Morbidity Checked**		1	True
					126	0	False
						9	Not Reported
428-432	5		FILLER	**FILLER**		Blank	
433	1	P,G	ATTEND	**Attendant**		1	Doctor of Medicine (MD)
						2	Doctor of Osteopathy (DO)
						3	Certified Nurse Midwife (CNM)
						4	Other Midwife
						5	Other

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						9	Unknown or not stated
434	1	P,G	MTRAN	**Mother Transferred**	126	Y	Yes
						N	No
						U	Unknown
435	1	P,G	PAY	**Payment Source**	437	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
436	1	P,G	PAY_REC	**Payment Recode**	438	1	Medicaid
						2	Private Insurance
						3	Self Pay
						4	Other
						9	Unknown
437	1	P,G	F_PAY	**Reporting Flag for Source of Payment**			See footnote
438	1	P,G	F_PAY_REC	**Reporting Flag for Payment Recode**			See footnote
439-443	5		FILLER	**FILLER**		Blank	
444-445	2	P,G	APGAR5	**Five Minute APGAR Score**	447	00-10	A score of 0-10
						99	Unknown or not stated
446	1	P,G	APGAR5R	**Five Minute APGAR Recode**	447	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
447	1	P,G	F_APGAR5	**Reporting Flag for Five minute APGAR**			See footnote
448-449	2	P,G	APGAR10	**Ten Minute APGAR Score** Use reporting flag in field 126 for 2014		00-10	A score of 0-10
						88	Not applicable
						99	Unknown or not stated
450	1	P,G	APGAR10R	**Ten Minute APGAR Recode** Use reporting flag in field 126 for 2014		1	A score of 0-3
						2	A score of 4-6
						3	A score of 7-8
						4	A score of 9-10

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						5	Not stated/not applicable
451-453	3		FILLER	**FILLER**		Blank	
454	1	P,G	DPLURAL	**Plurality Recode**		1 2 3 4 5	Single Twin Triplet Quadruplet Quintuplet or higher
455	1		FILLER	**FILLER**		Blank	
456	1	P,G	IMP_PLUR	**Plurality Imputed**		Blank 1	Plurality is imputed Plurality is not imputed
457-458	2		FILLER	**FILLER**		Blank	
459	1	P,G	SETORDER_R	**Set Order Recode**	126	1 1st, 2 2nd, 3 3rd, 4 4th, 5 5th to 16th 9	Unknown or not stated
460-474	15		FILLER	**FILLER**		Blank	
475	1	P,G	SEX	**Sex of Infant**		M F	Male Female
476	1	P,G	IMP_SEX	**Imputed Sex**		Blank 1	Infant Sex not Imputed Infant Sex is Imputed
477-478	2	P,G	DLMP_MM	**Last Normal Menses Month**		01 02 03 04 05 06 07 08 09 10 11 12 99	January February March April May June July August September October November December Unknown or not stated
479-480	2		FILLER	**FILLER**		Blank	
481-484	4	P,G	DLMP_YY	**Last Normal Menses Year**		nnnn 9999	Year of last normal menses Unknown or not stated

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
485-487	3		FILLER	**FILLER**		Blank	
488	1	P,G	COMBGST_IMP	**Combined Gestation Imputed**		Blank 1	Combined Gestation is not imputed Combined Gestation is imputed
489	1	P,G	OBGEST_FLG	**Obstetric Estimate of Gestation Used Flag**		Blank 1	Clinical Estimate is not used Clinical Estimate is used
490-491	2	P,G	COMBGEST	**Combined Gestation – Detail in Weeks**		17-47 99	17th through 47th week of Gestation Unknown
492-493	2	P,G	GESTREC10	**Combined Gestation Recode 10**		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
494	1	P,G	GESTREC3	**Combined Gestation Recode 3**		1 2 3	Under 37 weeks 37 weeks and over Not stated
495-497	3		FILLER	**FILLER**		Blank	
498	1	P,G	LMPUSED	**Computed (LMP) Gestation Used Flag**		Blank 1	LMP not used for gestation LMP used for gestation
499-500	2	P,G	OEGest_Comb	**Obstetric Estimate Edited** (NCHS Standard item)		17-47 99	Weeks of gestation Not stated
501-502	2	P,G	OEGest_R10	**Obstetric Estimate Recode10** (NCHS Standard item)		01 02 03 04 05 06 07 08 09 10	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

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						99	Unknown
503	1	P,G	OEGest_R3	**Obstetric Estimate Recode 3** (NCHS Standard Item)		1	Under 37 weeks
						2	37 weeks and over
						3	Not stated
504-508	5		FILLER34	**FILLER**		Blank	
509-510	2	P,G	BWTR14	**Birth Weight Recode 14**		01	227 - 499 grams
						02	500 – 749 grams
						03	750 – 999 grams
						04	1000 - 1249 grams
						05	1250 – 1499 grams
						06	1500 – 1999 grams
						07	2000 – 2499 grams
						08	2500 – 2999 grams
						09	3000 – 3499 grams
						10	3500 – 3999 grams
						11	4000 – 4499 grams
						12	4500 – 4999 grams
						13	5000 – 8165 grams
						14	Not Stated
511	1	P,G	BWTR4	**Birth Weight Recode 4**		1	227 - 1499 grams
						2	1500 – 2499 grams
						3	2500 - 8165 grams
						4	Unknown or not stated
512-515	4	P,G	BRTHWGT	**Imputed Birthwieght**		0227-8165	Number of grams
						9999	Not stated
516	1	P,G	BWTIMP	**Birth Weight Imputed Flag**		Blank	Birth Weight is not imputed
						1	Birth Weight is imputed

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

517-536	**20**			**Abnormal Conditions of the Newborn**			
517	1	P,G	AB_AVEN1	**Assisted Ventilation**	524	Y	Yes
518	1	P,G	AB_AVEN6	**Assisted Ventilation > 6 hrs**	525	N	No
519	1	P,G	AB_NICU	**Admission to NICU**	526	U	Unknown or not stated
520	1	P,G	AB_SURF	**Surfactant**	527		
521	1	P,G	AB_ANTI	**Antibiotics**	528		

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
522	1	P,G	AB_SEIZ	**Seizures**	529		
523	1		FILLER	**FILLER**		Blank	
524	1	P,G	F_AB_AVEN1	**Reporting Flag for Assisted Ventilation**			See footnote
525	1	P,G	F_AB_AVEN6	**Reporting Flag for Assisted Ventilation >6 hrs** 1			
526	1	P,G	F_AB_NICU	**Reporting Flag for Admission to NICU**			
527	1	P,G	F_AB_SURF	**Reporting Flag for Surfactant**			
528	1	P,G	F_AB_ANTI	**Reporting Flag for Antibiotics**			
529	1	P,G	F_AB_SEIZ	**Reporting Flag for Seizures**			
530	1		FILLER	**FILLER**		Blank	
531	1	P,G	NO_ABNORM	**No Abnormal Conditions Checked**		1	True
					126	0	False
						9	Not Reported
532-536	5		FILLER	**FILLER**		Blank	
537-566	30			**Congenital Anomalies of the Newborn**			
537	1	P,G	CA_ANEN	**Anencephaly**	543	Y	Yes
538	1	P,G	CA_MNSB	**Meningomyelocele / Spina Bifida** 544		N	No
539	1	P,G	CA_CCHD	**Cyanotic Congenital Heart Disease** 545		U	Unknown or not stated
540	1	P,G	CA_CDH	**Congenital Diaphragmatic Hernia** 546			
541	1	P,G	CA_OMPH	**Omphalocele**	547		
542	1	P,G	CA_GAST	**Gastroschisis**	548		
543	1	P,G	F_CA_ANEN	**Reporting Flag for Anencephaly**			See footnote
544	1	P,G	F_CA_MNSB	**Flag for Meningomyelocele/Spina Bifida**			
545	1	P,G	F_CA_CCHD	**Reporting Flag for Cyanotic Congenital Heart Disease**			
546	1	P,G	F_CA_CDH	**Reporting Flag for Congenital Diaphragmatic Hernia**			
547	1	P,G	F_CA_OMPH	**Reporting Flag for Omphalocele**			
548	1	P,G	F_CA_GAST	**Reporting Flag for Gastroschisis**			
549	1	P,G	CA_LIMB	**Limb Reduction Defect**	555	Y	Yes
550	1	P,G	CA_CLEFT	**Cleft Lip w/ or w/o Cleft Palate** 556		N	No
551	1	P,G	CA_CLPAL	**Cleft Palate alone**	557	U	Unknown or not stated
552	1	P,G	CA_DOWN	**Down Syndrome**	558	C	Confirmed
						P	Pending
						N	No
						U	Unknown
553	1	P,G	CA_DISOR	**Suspected Chromosomal Disorder**		C	Confirmed
					559	P	Pending

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						N	No
						U	Unknown
554	1	P,G	CA_HYPO	**Hypospadias**	560	Y	Yes, anomaly reported
						N	No, anomaly not reported
						U	Unknown
555	1	P,G	F_CA_LIMB	**Reporting Flag for Limb Reduction Defect**		See footnote	
556	1	P,G	F_CA_CLEFT	**Flag for Cleft Lip with or without Cleft Palate**			
557	1	P,G	F_CA_CLPAL	**Reporting Flag for Cleft Plate Alone**			
558	1	P,G	F_CA_DOWN	**Reporting Flag for Down Syndrome**			
559	1	P,G	F_CA_DISOR	**Reporting Flag for Suspected Chromosomal Disorder**			
560	1	P,G	F_CA_HYPO	**Reporting Flag for Hypospadias**			
561	1	P,G	NO_CONGEN	**No Congenital Anomalies Checked**		1	True
					126	0	False
						9	Not Reported
562-566	5		FILLER	**FILLER**		Blank	
567	1	P,G	ITRAN	**Infant Transferred**	126	Y	Yes
						N	No
						U	Unknown or not stated
568	1	P,G	ILIVE	**Infant Living at Time of Report**		Y	Yes
					126	N	No
						U	Unknown or not stated
569	1	P,G	BFED	**Infant Being Breastfed**	570	Y	Yes
						N	No
						U	Unknown or not stated
570	1	P,G	F_BFED	**Reporting Flag for Breastfed at Discharge**		See footnote	
571-1329	759		FILLER	**FILLER**		Blank	

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
1330	1	P,G	uBFacil	**Place of birth**		1	Hospital
						2	Freestanding Birthing Center
						3	Clinic / Doctor's Office
						4	Residence
						5	Other
						9	Unknown

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
1331-1345			**Unrevised Check Boxes**	All checkbox items below follow this coding structure:		1	Yes
						2	No
						9	Unknown
1331	1	P,G	uRF_Diab	**Diabetes**			
1332	1	P,G	uRF_Chype	**Chronic Hypertension**			
1333	1	P,G	uRF_Phype	**Prepregnacy Associated Hypertension**			
1334	1	P,G	uRf_Ehype	**Eclampsia**	338		
1335	1	P,G	uME_Forc	**Forceps**			
1336	1	P,G	uME_Vacu	**Vacuum**			
1337	1	P,G	uOB_Indu	**Induction of Labor**			
1338	1	P,G	uLD_Bree	**Breech**			
1339	1		FILLER	**FILLER**			
1340	1	P,G	uCA_Anen	**Anencephaly**			
1341	1	P,G	uCA_Spina	**Spina Bifida / Meningocele**			
1342	1	P,G	uCA_Omph	**Omphalocele / Gastroschisis**			
1343	1	P,G	uCA_Clip	**Cleft Lip / Palate**			
1344	1	P,G	uCA_Hern	**Diaphragmatic Hernia**			
1345	1	P,G	uCA_Down	**Down Syndrome**			
1346	1	P,G	FLGND	**Match Status**		1	Record in both files
						Blank	Record not in both files

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
1347-1355	9	FILLER	**FILLER**			Blank	
1356-1358	3	AGED	**Age at Death in Days**			000-365	Number of days
1359	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)
1360-1361	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
1362	1	MANNER	**Manner of Death**			1	Accident
						2	Suicide
						3	Homicide
						4	Pending investigation
						5	Could not determine
						6	Self-inflicted
						7	Natural
						Blank	Not specified
1363	1	DISPO	**Method of Disposition**			B	Burial
						C	Cremation
						O	Other

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						U	Unknown
1364	1	AUTOPSY	**Autopsy**			Y	Yes
						N	No
						U	Unknown
1365	1	FILLER	**FILLER**			Blank	
1366	1	PLACE	**Place of injury for causes W00-Y34, except Y06.- and Y07.-**			0	Home
						1	Residential institution
						2	School, other institution and public administrative area
						3	Sports and athletics area
						4	Street and highway
						5	Trade and service area
						6	Industrial and construction area
						7	Farm
						8	Other Specified Places
						9	Unspecified place
						Blank	Cause other than W00-Y34, except Y06.- and Y07.-
1367	1	FILLER	**FILLER**			Blank	

UNDERLYING CAUSE OF DEATH

Position	Len	File*	Field	Description	Flag Position	Values	Definition
1368-1371	4	UCOD	**ICD Code (10th Revision) See the <u>International Classification of Diseases</u>, 1992 Revision, Volume 1.**				
1372	1	FILLER	**FILLER**			Blank	
1373-1375	3	UCODR130	**130 Infant Cause Recode**				
1376	1	FILLER	**FILLER**			Blank	
1377-1384	8	RECWT	**Record Weight (no weights computed for possessions file)**				
					1.XXXXXX		

<u>Here ends the cohort denominator-plus file. The numerator (linked) file continues below.</u>

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
1385-1386	2	FILLER	**FILLER**			Blank	

MULTIPLE CONDITIONS

Position	Len	File*	Field	Description	Flag Position	Values	Definition
1387-1388	2	EANUM	**Number of Entity-Axis Conditions**			00-20	Code range
1389-1528	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

Position	Len	Description
1389-1395	7	1st Condition
1396-1402	7	2nd Condition
1403-1409	7	3rd Condition
1410-1416	7	4th Condition
1417-1423	7	5th Condition
1424-1430	7	6th Condition
1431-1437	7	7th Condition
1438-1444	7	8th Condition
1445-1451	7	9th Condition
1452-1458	7	10th Condition
1459-1465	7	11th Condition
1466-1472	7	12th Condition
1473-1479	7	13th Condition
1480-1486	7	14th Condition
1487-1493	7	15th Condition
1494-1500	7	16th Condition
1501-1507	7	17th Condition
1508-1514	7	18th Condition
1515-1521	7	19th Condition
1522-1528	7	20th Condition

Position	Len	File*	Field	Description	Flag Position	Values	Definition
1529-1530	2	FILLER	**FILLER**			Blank	

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
1531-1532	2	RANUM		**Number of Record-Axis Conditions**		00-20	Code range
1533-1632	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

Position	Len	Description
1533-1537	5	1st Condition
1538-1542	5	2nd Condition
1543-1547	5	3rd Condition
1548-1552	5	4th Condition
1553-1557	5	5th Condition
1558-1562	5	6th Condition
1563-1567	5	7th Condition
1568-1572	5	8th Condition
1573-1577	5	9th Condition
1578-1582	5	10th Condition
1583-1587	5	11th Condition
1588-1592	5	12th Condition
1593-1597	5	13th Condition
1598-1602	5	14th Condition
1603-1607	5	15th Condition
1608-1612	5	16th Condition
1613-1617	5	17th Condition
1618-1622	5	18th Condition
1623-1627	5	19th Condition
1628-1632	5	20th Condition

Position	Len	File*	Field	Description	Flag Position	Values	Definition
1633-1634	2	FILLER		**FILLER**	Blank		
1635	1	D_RESTATUS		**Death Resident Status**			
				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.

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						2	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 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.
1636-1669	34		FILLER	**FILLER**	Blank		
1670	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
1671	1		DWEEKDAY	**Day of Week of Death**		1	Sunday
						2	Monday
						3	Tuesday
						4	Wednesday
						5	Thursday
						6	Friday
						7	Saturday
						9	Unknown
1672-1675	4		DOD_YY	**Data Year**		2014	2014
1676-1741	66		FILLER	**FILLER**	Blank		
1742-1743	2		DOD_MM	**Month of Death**		01	January
						02	February
						03	March
						04	April

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

Position	Len	File*	Field	Description	Flag Position	Values	Definition
						05	May
						06	June
						07	July
						08	August
						09	September
						10	October
						11	November
						12	December

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

     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)

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

 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 death by state of occurrence of birth and by state of residence at birth: United States, 2014 Cohort Data.
(Residence at birth is of the mother)

State	Live Births		Infant Deaths Unweighted		Infant Mortality Rate
	Occurrence	Residence	Occurrence	Residence	
United States /1	3,998,175	3,988,076	23,291	23,256	5.83
Alabama	57,798	59,422	487	506	8.52
Alaska	11,246	11,392	78	80	7.02
Arizona	88,028	86,887	517	525	6.04
Arkansas	37,788	38,511	280	291	7.56
California	503,889	502,879	2,180	2,182	4.34
Colorado	66,379	65,830	342	310	4.71
Connecticut	37,649	36,285	180	177	4.88
Delaware	11,486	10,972	86	79	7.20
Dist of Columbia	14,500	9,509	105	68	7.15
Florida	220,148	219,991	1,359	1,349	6.13
Georgia	132,078	130,946	1,005	982	7.50
Hawaii	18,573	18,550	82	80	4.31
Idaho	22,489	22,876	110	122	5.33
Illinois	154,806	158,556	979	1,039	6.55
Indiana	84,876	84,080	591	592	7.04
Iowa	39,466	39,687	173	190	4.79
Kansas	40,145	39,223	230	247	6.30
Kentucky	53,796	56,170	358	390	6.94
Louisiana	64,518	64,497	497	497	7.71
Maine	12,533	12,698	86	86	6.77
Maryland	70,916	73,921	440	469	6.34
Massachusetts	72,510	71,908	313	304	4.23
Michigan	113,436	114,375	735	740	6.47
Minnesota	69,166	69,904	359	348	4.98
Mississippi	37,955	38,736	309	329	8.49
Missouri	76,725	75,360	535	470	6.24
Montana	12,397	12,432	75	79	6.35
Nebraska	27,113	26,794	154	144	5.37
Nevada	35,509	35,861	191	194	5.41
New Hampshire	12,313	12,302	52	52	4.23
New Jersey	101,282	103,305	423	446	4.32
New Mexico	24,990	26,052	124	141	5.41
New York	117,350	121,166	605	643	5.31
New York City	122,085	117,607	498	468	3.98
North Carolina	122,542	120,975	876	867	7.17
North Dakota	12,839	11,359	70	66	5.81
Ohio	140,514	139,467	1,005	985	7.06
Oklahoma	51,926	53,339	434	442	8.29
Oregon	46,098	45,556	234	229	5.03

Documentation Table 1. Live births and infant death by state of occurrence of birth and by state of residence at birth: United States, 2014 Cohort Data.
(Residence at birth is of the mother)

State	Live Births		Infant Deaths Unweighted		Infant Mortality Rate
	Occurrence	Residence	Occurrence	Residence	
Pennsylvania	141,394	142,268	854	829	5.83
Rhode Island	11,358	10,823	57	52	4.80
South Carolina	54,503	57,627	354	379	6.58
South Dakota	12,956	12,283	77	76	6.19
Tennessee	87,174	81,602	619	564	6.91
Texas	408,213	399,766	2,355	2,321	5.81
Utah	52,162	51,154	274	257	5.02
Vermont	5,846	6,130	29	29	4.73
Virginia	101,867	103,300	562	562	5.44
Washington	88,420	88,585	408	401	4.53
West Virginia	20,548	20,301	141	137	6.75
Wisconsin	66,884	67,161	378	393	5.85
Wyoming	6,993	7,696	26	48	6.24

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

Documentation Table 2. Live births,infant deaths and infant mortality rates by race of mother, sex and birthweight of child: United States, 2014 Cohort Data.
[Rates are per 1,000 live births]

Race of mother and sex	Total	<500 grams	500-749 grams	750-999 grams	1000-1249 grams	1250-1499 grams	1500-1999 grams	2000-2499 grams	2500 grams or more	Not Stated
All races										
Both sexes										
Live births........................	3,988,076	6,688	9,962	11,002	13,249	16,128	62,103	201,041	3,667,202	701
Infant deaths..................	23,256	5,630	3,864	1,347	839	635	1,414	1,978	7,428	121
Infant Mortality Rate.......	5.83	841.81	387.87	122.43	63.33	39.37	22.77	9.84	2.03	172.61
Male										
Live births........................	2,040,701	3,420	4,985	5,648	6,740	8,099	30,077	91,805	1,889,535	392
Infant deaths..................	12,893	2,968	2,225	804	469	333	735	1,020	4,248	91
Infant Mortality Rate.......	6.32	867.84	446.34	142.35	69.58	41.12	24.44	11.11	2.25	232.14
Female										
Live births........................	1,947,375	3,268	4,977	5,354	6,509	8,029	32,026	109,236	1,777,667	309
Infant deaths..................	10,363	2,662	1,639	543	370	302	679	958	3,180	30
Infant Mortality Rate.......	5.32	814.57	329.31	101.42	56.84	37.61	21.20	8.77	1.79	97.09
Non-Hispanic White										
Both sexes										
Live births........................	2,149,302	2,381	3,812	4,502	5,964	7,394	30,023	96,074	1,999,047	105
Infant deaths..................	10,711	2,054	1,581	624	417	313	710	995	3,986	31
Infant Mortality Rate.......	4.98	862.66	414.74	138.61	69.92	42.33	23.65	10.36	1.99	295.24
Male										
Live births........................	1,103,196	1,207	1,928	2,310	2,981	3,697	14,431	43,623	1,032,952	67
Infant deaths..................	5,994	1,070	913	379	245	157	375	528	2,304	23
Infant Mortality Rate.......	5.43	886.50	473.55	164.07	82.19	42.47	25.99	12.10	2.23	343.28
Female										
Live births........................	1,046,106	1,174	1,884	2,192	2,983	3,697	15,592	52,451	966,095	38
Infant deaths..................	4,717	984	668	245	172	156	335	467	1,682	8
Infant Mortality Rate.......	4.51	838.16	354.56	111.77	57.66	42.20	21.49	8.90	1.74	*
Non-Hispanic Black										
Both sexes										
Live births........................	588,891	2,507	3,486	3,431	3,674	4,190	14,760	45,878	510,898	67
Infant deaths..................	6,205	2,042	1,222	364	196	136	305	419	1,474	47
Infant Mortality Rate.......	10.54	814.52	350.55	106.09	53.35	32.46	20.66	9.13	2.89	701.49

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

[Rates are per 1,000 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
Male										
Live births......................	298,385	1,302	1,668	1,733	1,838	2,072	6,927	20,428	262,369	48
Infant deaths..................	3,394	1,112	672	215	97	72	156	210	822	38
Infant Mortality Rate.......	11.37	854.07	402.88	124.06	52.77	34.75	22.52	10.28	3.13	791.67
Female										
Live births......................	290,506	1,205	1,818	1,698	1,836	2,118	7,833	25,450	248,529	19
Infant deaths..................	2,811	930	550	149	99	64	149	209	652	9
Infant Mortality Rate.......	9.68	771.78	302.53	87.75	53.92	30.22	19.02	8.21	2.62	*
American Indian or Alaskan Native /1										
Both sexes										
Live births......................	44,928	50	98	116	139	174	700	2,165	41,479	7
Infant deaths..................	334	44	50	18	9	6	25	24	154	4
Infant Mortality Rate.......	7.43	880.00	510.20	*	*	*	35.71	11.09	3.71	*
Male										
Live births......................	22,808	23	47	60	76	88	353	990	21,167	4
Infant deaths..................	186	21	28	14	5	5	10	13	88	2
Infant Mortality Rate.......	8.16	913.04	595.74	*	*	*	*	*	4.16	*
Female										
Live births......................	22,120	27	51	56	63	86	347	1,175	20,312	3
Infant deaths..................	148	23	22	4	4	1	15	11	66	2
Infant Mortality Rate.......	6.69	851.85	431.37	*	*	*	*	*	3.25	*
Asian Pacific Islander										
Both sexes										
Live births......................	282,723	351	480	576	808	1,091	4,066	15,450	259,862	39
Infant deaths..................	1,130	303	178	63	47	32	55	103	341	8
Infant Mortality Rate.......	4.00	863.25	370.83	109.38	58.17	29.33	13.53	6.67	1.31	*
Male										
Live births......................	145,647	177	261	311	421	569	1,989	7,254	134,645	20
Infant deaths..................	629	155	100	38	24	18	32	52	202	8
Infant Mortality Rate.......	4.32	875.71	383.14	122.19	57.01	*	16.09	7.17	1.50	*
Female										
Live births......................	137,076	174	219	265	387	522	2,077	8,196	125,217	19
Infant deaths..................	501	148	78	25	23	14	23	51	139	0
Infant Mortality Rate.......	3.65	850.57	356.16	94.34	59.43	*	11.07	6.22	1.11	-

Documentation Table 2. Live births,infant deaths and infant mortality rates by race of mother, sex and birthweight of child: United States, 2014 Cohort Data.
[Rates are per 1,000 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
Hispanic										
Both sexes										
Live births........................	914,065	1,271	2,013	2,330	2,606	3,175	12,340	40,867	849,417	46
Infant deaths..................	4,625	1,069	781	268	165	136	318	421	1,446	21
Infant Mortality Rate.......	5.06	841.07	387.98	115.02	63.32	42.83	25.77	10.30	1.70	456.52
Male										
Live births........................	466,241	644	1,043	1,218	1,394	1,632	6,256	19,215	434,814	25
Infant deaths..................	2,555	547	481	154	97	74	157	210	821	14
Infant Mortality Rate.......	5.48	849.38	461.17	126.44	69.58	45.34	25.10	10.93	1.89	*
Female										
Live births........................	447,824	627	970	1,112	1,212	1,543	6,084	21,652	414,603	21
Infant deaths..................	2,070	522	300	114	68	62	161	211	625	7
Infant Mortality Rate.......	4.62	832.54	309.28	102.52	56.11	40.18	26.46	9.75	1.51	*

* Figure does not meet standard of reliability or precision: based on fewer than 20 deaths in the numerator
- Quantity zero
1/ Includes Aleut and Eskimos

Documentation Table 3. Live births, infant deaths, and infant mortality rates by race of mother and gestational age: United States, 2014 Cohort Data
[Rates are per 1,000 live births]

	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										
Live births..........................	3,988,076	27,320	36,245	45,909	271,847	2,478,114	848,427	260,392	16,576	3,246
Infant deaths.....................	23,256	10,753	1,524	903	2,243	5,869	1,276	432	60	196
Infant Mortality Rate........	5.83	393.59	42.05	19.67	8.25	2.37	1.50	1.66	3.62	60.38
Non-Hispanic White										
Live births..........................	2,149,302	10,646	16,974	22,996	140,695	1,313,381	475,094	157,740	10,588	1,188
Infant deaths.....................	10,711	4,235	745	454	1,165	3,117	660	239	38	58
Infant Mortality Rate........	4.98	397.80	43.89	19.74	8.28	2.37	1.39	1.52	3.59	48.82
Non-Hispanic Black										
Live births..........................	588,891	9,045	9,105	9,882	49,828	366,787	110,570	31,145	2,017	512
Infant deaths.....................	6,205	3,570	376	196	466	1,196	253	77	7	64
Infant Mortality Rate........	10.54	394.69	41.30	19.83	9.35	3.26	2.29	2.47	*	125.00
American Indian or Alaska Native /1										
Live births..........................	44,928	271	402	554	3,353	28,007	9,164	2,883	190	104
Infant deaths.....................	334	113	19	9	34	119	24	11	1	4
Infant Mortality Rate........	7.43	416.97	*	*	10.14	4.25	2.62	*	*	*
Asian or Pacific Islander										
Live births..........................	282,723	1,390	2,101	2,673	17,711	183,205	59,204	15,518	704	217
Infant deaths.....................	1,130	542	73	42	93	279	66	23	2	10
Infant Mortality Rate........	4.00	389.93	34.75	15.71	5.25	1.52	1.11	1.48	*	*
Hispanic										
Live births..........................	914,065	5,722	7,491	9,636	59,610	583,413	192,567	52,033	2,957	636
Infant deaths.....................	4,625	2,120	297	196	473	1,140	267	79	11	42
Infant Mortality Rate........	5.06	370.50	39.65	20.34	7.93	1.95	1.39	1.52	*	66.04

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

Documentation Table 4. Infant deaths and infant mortality rates by age of death for 10 major causes of infant death: United States, 2014 Cohort Data

[Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal, 7-27 days. Postneonatal deaths are 28 days to less than 12 months. Rates are per 100,000 live births.]

Cause of death and birthweight	Live Births	Total Infant Deaths	Total Neonatal	Early Neonatal	Late Neonatal	Post-Neonatal
All Causes	3,988,076	23,356	15,591	12,646	2,945	7,665
		585.6	390.9	317.1	73.8	192.2
Congenital malformations (Q00-Q99).................................		4,675	3,323	2,601	722	1,352
		117.2	83.3	65.2	18.1	33.9
Short gestation and low birthweight nec (P07).................................		4,154	4,048	3,936	112	106
		104.2	101.5	98.7	2.8	2.7
Maternal complications of pregnancy (P01)......................................		1,564	1,554	1,541	13	10
		39.2	39.0	38.6	*	*
Sudden infant death syndrome (R95)...		1,609	137	23	114	1,472
		40.3	3.4	0.6	2.9	36.9
Accidents (unintentional injures) (V01-X59).....................................		1,212	123	28	95	1,089
		30.4	3.1	0.7	2.4	27.3
Complications of placenta, cord, membranes (P02).........................		953	941	907	34	12
		23.9	23.6	22.7	0.9	*
Bacterial sepsis of newborn (P36)......................................		542	525	227	298	17
		13.6	13.2	5.7	7.5	*
Respiratory distress of newborn (P22)................................		461	451	337	114	10
		11.6	11.3	8.5	2.9	*
Diseases of the circulatory system (I00-I99)......................................		421	93	51	42	328
		10.6	2.3	1.3	1.1	8.2
Neonatal hemorrhage (P50-P52, P54)...		436	426	309	117	10
		10.9	10.7	7.7	2.9	*
All other causes..		7,229	3,970	2,686	1,284	3,259
		181.3	99.5	67.4	32.2	81.7

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

-/ Quantity zero