# Public Use Data File Documentation

2012 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

# 2012 Cohort Linked Birth/Infant Death Data Set

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<u>Deaths: Final Data for 2012</u> (see Technical Notes)

#### Introduction

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

Birth cohort data - The numerator of the 2012 birth cohort linked file consists of deaths to infants born in 2012 linked to their corresponding birth certificates, whether the death occurred in 2012 or 2013. The denominator for this data set is all births occurring in 2012.

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 2012 birth cohort linked file includes two data files. The first file includes linked birth and death certificate data for all US infants born in 2012 who died before their first birthday - referred to as the numerator file. The second file is the 2012 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: <a href="http://www.cdc.gov/nchs/nvss/vital\_certificate\_revisions.htm">http://www.cdc.gov/nchs/nvss/vital\_certificate\_revisions.htm</a>). 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: <a href="http://www.cdc.gov/nchs/nvss/vital\_certificate\_revisions.htm">http://www.cdc.gov/nchs/nvss/vital\_certificate\_revisions.htm</a>.

# **Incomplete National Reporting - Using Reporting Flags**

As a result of the delayed, phased transition to the 2003 U.S. Standard Certificate of Live Birth, the 2012 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 2012 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 must be invoked 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 prenatal care item. Prenatal care data based on the revised certificate are not considered comparable with data based on the unrevised certificate. Accordingly, use of the reporting

flag for this item will produce 2012 cohort data for the month prenatal care began for the states that implemented the revised birth certificate by January 1<sup>st</sup> 2012.

```
Sample SAS program
```

```
01
      DATA work:
02
            INFILE 'C:VS12LKBC.USNUMPUB' LRECL=1259;
03
            INPUT
04
                  restatus 138
05
                  precare 245-246
06
                  f_mpcb 668;
07
80
            /*Exclude foreign residents*/
09
            IF restatus NE 4:
10
            /*Select reporting area*/
            IF f_mpcb=1;
11
12
            /*Convert blanks to unknown*/
            IF precare=. THEN precare=99:
13
14
15
      PROC FREQ;
16
            TABLE precare;
17
      RUN;
```

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

Alternatives to the use of reporting flags - The use of reporting flags provides a 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).

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

```
01
      DATA work:
02
            INFILE 'C:VS12LKBC.USNUMPUB 'LRECL=1259;
03
            INPUT
04
                  restatus 138
                  xmrstate $ 107-108
05
06
                  precare 245-246;
07
80
            /*Exclude foreign residents*/
            IF restatus NE 4:
09
```

```
/*Select reporting area*/
IF xmrstate in ('ID','KY','NY','PA','SC','TN','WA');
/*Convert blanks to unknown*/
IF precare=. THEN precare=99;

PROC FREQ;
TABLE precare;
RUN:
```

### Single, Multiple, and Bridged Race

In 1997, the Office of Management and Budget (OMB) issued revised standards requiring Federal collection programs to allow respondents to select *one or more race categories*. In 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 2012 and Deaths: Final Data for 2012.

# 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.

# 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 2012 cohort linked file for the 50 States and D.C. includes 23,401 linked infant death records and 217 unlinked infant death records, a 99.1% linkage. Twenty-four 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 23,618.

# 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 <a href="http://www.cdc.gov/nchs/icd/icd10.htm">http://www.cdc.gov/nchs/icd/icd10.htm</a>. 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 2012 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.
- National Center for Health Statistics. Specifications for U.S. Standard Certificate of Birth – 2003 Revision. NCHS Instruction manual, Part 3A. Hyattsville, Maryland: Public Health Service.
- E. National Center for Health Statistics. Specifications for U.S. Standard Certificate of Death 2003 Revision. NCHS Instruction manual, Part 4. Hyattsville, Maryland: Public Health Service.
- F. National Center for Health Statistics. Vital statistics, Computer Edits for Natality Data, Effective 1993. NCHS Instruction Manual Part 12. Hyattsville, Maryland: Public Health Service.
- G. National Center for Health Statistics. Vital statistics, Computer Edits for Mortality Data, Effective 2012. NCHS Instruction Manual Part 11. Hyattsville, Maryland: Public Health Service.

Instruction manuals are available at: <a href="http://www.cdc.gov/nchs/nvss/instruction\_manuals.htm">http://www.cdc.gov/nchs/nvss/instruction\_manuals.htm</a>

Also see: <a href="http://www.cdc.gov/nchs/nvss/vital\_certificate\_revisions.htm">http://www.cdc.gov/nchs/nvss/vital\_certificate\_revisions.htm</a> 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-ofdeath 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 <a href="http://www.cdc.gov/nchs/data/dvs/mort99doc.pdf">http://www.cdc.gov/nchs/data/dvs/mort99doc.pdf</a>.

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 <a href="http://www.cdc.gov/nchs/data/dvs/mort99doc.pdf">http://www.cdc.gov/nchs/data/dvs/mort99doc.pdf</a>.

### **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.

<u>2. Edit</u>. 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.

<u>3. Entity Axis Applications</u>. 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.

- <u>1. Format.</u> 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.

- <u>2. Edit</u>. The record axis codes are edited for rare causes and age/cause and sex/cause compatibility. Likewise, individual code validity is checked. The valid code set for record axis coding is the same as that for entity coding.
- 3. Record Axis Applications. The record axis multiple cause data are the basis for NCHS core multiple cause tabulations. Location of codes is not relevant to this data, and conditions have been linked into the most meaningful categories for the certification. The most immediate consequence for the user is that the codes on the record already represent mention of a disease assignable to that particular ICD-10 category. This is in contrast to the entity code which is assigned each time such a disease is reported on different lines of the certification. Secondly, the linkage implies that within the constraints of ICD-10 the most meaningful code has been assigned. The translation process creates for the user a data file that is edited for contradictions, duplicate codes, and imprecisions. In contrast to entity axis data, record axis data are classified in a manner comparable to underlying cause of death classification thereby facilitating joint analysis of these variables. A potential disadvantage of record axis data is that some detail is sacrificed in a number of the linkages.

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

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

#### **Additional Information**

In using the NCHS multiple cause data files, the user is urged to review the information in this document and its references. The instructional material does change from year to

year and ICD revision to ICD revision. The user is cautioned that coding of specific ICD-10 categories should be checked in the appropriate instruction manual. What may appear on the surface to be the correct code by ICD-10 may in fact not be correct as given in the instruction manuals.

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

# 2012 Cohort Linked File Public Use Layout

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
1-6	6	FILLER01	Filler				
7	1	VERSION	Version		U,R	R U	State used the 2003 version of the US Standard Birth Certificate (Revised) State used the 1989 version of the US Standard Birth Certificate (Unrevised)
8	1	FILLER02	Filler				
9	1	LATEREC	Late Record Flag		U,R	0 1	Not late record Late record
10-14	5	SEQNUM	Infant Death Number This number uniquely identing the numerator and denominated the second sec			00001-n	nnnn
15-18	4	DOB_YY	Birth Year		U,R	2012	2012
19-20	2	DOB_MM	Birth Month		U,R	01 02 03 04 05 06 07 08 09 10 11	January February March April May June July August September October November December
21-24	4	FILLER03	Filler				
25-28	4	DOB_TT	Birth Time	c571	R	0000-23 9999	59 Time of Birth Not Stated
29	1	DOB_WK	Weekday		U,R	1 2 3 4	Sunday Monday Tuesday Wednesday

<sup>\*</sup> For the Version column (Ver) the following codes apply:

R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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

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

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						5 6 7	Thursday Friday Saturday
30-31	2	OSTATE	Occurrence Territory (This item is available in the only, geographic codes are refine U.S. public use file.)		U,R		
			<u>Territories</u>			GU PR VI	Guam Puerto Rico Virgin Islands
32-36	5	FILLER04	Filler				
37-39	3	OCNTYFIPS	Occurrence FIPS County (This item is available in the only, geographic codes are r the U.S. public use file.)		U,R	000-nnn	County of Occurrence
40	1	OCNTYPOP	Occurrence County Pop (This item is available in the only, geographic codes are r the U.S. public use file.)		U,R	0 1 2 9	County of 1,000,000 or more County of 500,000 to 1,000,000 County of 250,000 to 500,000 County less than 250,000
41	1	BFACIL	Birth Place (Revised)	676	R	1 2 3 4 5 6 7	Hospital Freestanding Birth Center Home (intended) Home (not intended) Home (unknown if intended) Clinic / Doctor's Office Other Unknown
42	1	UBFACIL	Birth Place		U,R	1 2 3 4 5 9	Hospital Freestanding Birthing Center Clinic / Doctor's Office Residence Other Unknown

<sup>\*</sup> For the Version column (Ver) the following codes apply:

R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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

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

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
43-58	16	FILLER05	Filler				
59	1	BFACIL3	Birth Place Recode		U,R	1 2 3	In Hospital Not in Hospital Unknown or Not Stated
60-86	27	FILLER06	Filler				
87	1	MAGE_IMPFLG	Mother's Age Imputed		U,R	Blank 1	Age not imputed Age imputed
88	1	MAGE_REPFLG	Reported Age of Mother F	lag	U,R	Blank 1	Reported age not used Reported age used
89-90	2	MAGER	Mother's Age Recode 41		U,R	12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	10 – 12 years 13 years 14 years 15 years 16 years 17 years 18 years 19 years 20 years 21 years 22 years 23 years 24 years 25 years 26 years 27 years 28 years 29 years 30 years 31 years 32 years 33 years 34 years 35 years 36 years

<sup>\*</sup> For the Version column (Ver) the following codes apply:

R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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

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

Position	n Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						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 49	48 years
						50	49 years 50 -64 years
						50	50 -04 years
91-92	2	MAGER14	Mother's Age Recode 14		U,R	01	Under 15 Years
			9		,	03	15 years
						04	16 years
						05	17 years
						06	18 years
						07	19 years
						08	20-24 years
						09	25-29 years
						10	30-34 years
						11 12	35-39 years
						13	40-44 years 45-49 years
						14	50-64 years
						17	30 04 <b>year</b> s
93	1	MAGER9	Mother's Age Recode 9		U,R	1	Under 15 years
						2	15-19 years
						3	20-24 years
						4	25-29 years
						5	30-34 years
						6	35-39 years
						7	40-44 years
						8 9	45-49 years
						9	50-64 years
94-95	R 2003 U 1989	Version of US St Version of US St	Mother's Birth Country the following codes apply: andard Birth Certificate andard Birth Certificate		R,u		See Geographic Documentation
			andard Birth Certificate but t				
	c Item	is sharing flag wit	th a comparable reporting are		e flag did	not alrea	dy exist.
				5			

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
			(This item is available in the only, geographic codes are the U.S. file.)				
96-108	13	FILLER07	Filler				
109-110	2	MRSTATEPSTL	Mother's Residence Postal (This item is available in the only, geographic codes are the U.S. public use file.)	e territory file	U,R	GU PR VI CC CU MX US XX ZZ	Guam Puerto Rico Virgin Islands Canada Cuba Mexico United States Not Applicable Not Classifiable
111-113	3	FILLER08	Filler				
114-116	3	MRCNTY	Mother's County of Reside (This item is available in the only, geographic codes are a the U.S. public use file.)	e territory file	R,u	001-999 000	See Geographic Tables Foreign
117-131	15	FILLER09	Filler				
132	1	RCNTY_POP	Population of Residence C (This item is available in the only, geographic codes are the U.S. public use file.)	e territory file	U,R	0 1 2 9 Z	County of 1,000,000 or more County of 500,000 to 1,000,000 County of 250,000 to 500,000 County less than 250,000 Foreign resident
133-136	4	FILLER10	Filler				
137	1	RECTYPE	Record Type (This item is available in the only, geographic codes are to the U.S. public use file.)		U,R	1 2	RESIDENT: State and county of occurrence and residence NONRESIDENT: State and county of occurrence and residence are different.
138 * For f	l he Versio	RESTATUS	Residence Status <u>United States</u> e following codes apply:		U,R	1	RESIDENT: State and county of occurrence and residence

<sup>\*</sup> For the Version column (Ver) the following codes apply:

R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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

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

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						2	are the same. INTRASTATE NONRESIDENT: State of occurrence and
							residence are the same but county is different.
						3	INTERSTATE NONRESIDENT: State of occurrence and residence are different but both are one of the 50 US states or District of Columbia.
						4	FOREIGN RESIDENT: The state of residence is not one of the 50 US states or District of Columbia.
			<u>Territories</u>			1	RESIDENT: State and county of occurrence and residence are the same. (Unique to Guam, all US residents are
						2	considered residents of Guam and thus are assigned 1.) INTRATERRITORY NONRESIDENT: Territory of occurrence and
						3	residence are the same but county is different.  INTERTERRITORY RESIDENT: Territory of occurrence and
						3	residence are different but both are US Territories.
						4	FOREIGN RESIDENT: The residence is not a US Territory.
139-140	2	MBRACE	Mother's Bridged Race		R**	01	White – single race
			United States and non Pue			02	Black – single race
			Includes only states reporti			03	American Indian – single race
			01-14 used for individuals a Codes 21-24 used for indiv			04 05	Asian Indian – single race Chinese – single race
			one race that have been brid			03 06	Filipino – single race
			Code 24 also used for indiv			07	Japanese – single race
			than one Asian/Pacific Islan		·C	08	Korean – single race
			than one ristan racine islan	naci group.		09	Vietnamese – single race
			** Also includes unrevised	states that report mu	lltiple	10	Other Asian – single race
			race.		P	11	Hawaiian – single race
						12	Guamanian – single race
						13	Samoan – single race
						14	Other Pacific Islander – single race
						21	White – bridged multiple race
						22	Black – bridged multiple race
						23	American Indian & Alaskan Native – bridged multiple race
						24	Asian / Pacific Islander – bridged multiple race
						Blank	Not on certificate
			Puerto Rico			01	White
* F	41 X/:	on column (V)	dh a fallannin a an dan an alan			02	Black

<sup>\*</sup> For the Version column (Ver) the following codes apply:

R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						00	Other
141-142	2	MRACE	Mother's Race	650 (API groups)	U		
			<u>United States</u>			01	White
						02	Black
						03	American Indian or Alaskan Natives
						04	Chinese
						05	Japanese
						06	Hawaiian (includes part Hawaiian)
						07	Filipino
						18	Asian Indian
						28	Korean
						38	Samoan
						48	Vietnamese
						58	Guamanian
						68	Other Asian or Pacific Islander in
							areas reporting codes 18-58.
						78	Combined other Asian or Pacific
							Islander, includes 18-68 for areas that do not report them separately.
			Puerto Rico			01	White
						02	Black
						00	Other races
			Guam			01	White
			<u> </u>			02	Black
						03	American Indian or Alaskan Natives
						04	Chinese
						05	Japanese
						06	Hawaiian (includes part Hawaiian)
						07	Filipino
						08	Other Asian or Pacific Islander
						58	Guamanian
			All other Territor	ies		01	White
						02	Black
						03	American Indian or Alaskan Natives
						04	Chinese
						05	Japanese
4. 17		1 (77 ) 1	C 11 ' 1 1				*

<sup>\*</sup> For the Version column (Ver) the following codes apply:

R 2003 Version of US Standard Birth Certificate

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						06 07 08	Hawaiian (includes part Hawaiian) Filipino Other Asian or Pacific Islander
143	1	MRACEREC	Mother's Race Recode <u>United States and I</u>	non-Puerto Rican Te	U,R erritories	1 2 3 4	White Black American Indian / Alaskan Native Asian / Pacific Islander
			<u>Puerto Rico</u>			1 2 0	White Black Other (not classified as White or Black)
144	1	MRACEIMP	Mother's Race Imputed		U,R	Blank 1 2	Mother's race not imputed Unknown race imputed All other races, formerly coded 09, imputed.
145-147	3	FILLER11	Filler				
148	1	UMHISP	Mother's Hispanic Origin	569	U,R	0 1 2 3 4 5	Non-Hispanic Mexican Puerto Rican Cuban Central or South American Other and Unknown Hispanic Origin unknown or not stated
149	1	MRACEHISP	Mother's Race/Hispanic O	rigin 569	U,R	1 2 3 4 5 6 7 8 9	Mexican Puerto Rican Cuban Central or South American Other and Unknown Hispanic Non-Hispanic White Non-Hispanic Black Non-Hispanic Other Races Origin unknown or not stated

<sup>\*</sup> For the Version column (Ver) the following codes apply:

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U 1989 Version of US Standard Birth Certificate

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
150-151	2	FILLER12	Filler				
152	1	MAR_P	Paternity Acknowledged	653	R	Y N U X	Yes No Unknown Not Applicable
153	1	MAR	Mother's Marital Status United States & a	652 Il non-Puerto Rican	U,R <u>Territories</u>	1 2 9	Yes No Unknown or not Stated
			Puerto Rico			1 2 3 9	Yes Unmarried parents living together Unmarried parents not living together Unknown or not stated
154	1	MAR_IMP	Mother's Marital Status In	mputed	U,R	Blank 1	Marital Status not imputed Marital Status imputed
155	1	MEDUC	Mother's Education –Revi	ised 571	R	1 2 3 4 5 6 7 8	8 <sup>th</sup> grade or less 9 <sup>th</sup> through 12 <sup>th</sup> grade with no diploma High school graduate or GED completed Some college credit, but not a degree. Associate degree (AA,AS) Bachelor's degree (BA, AB, BS) Master's degree (MA, MS, MEng, MEd, MSW, MBA) Doctorate (PhD, EdD) or Professional Degree (MD, DDS, DVM, LLB, JD) Unknown
156-174	19	FILLER13	Filler				
175	1	FAGERPT_FLG	Father's Reported Age Us	ed	U,R	Blank 1	Father's reported age not used Father's reported age used
176-181	6	FILLER14	Filler				
182-183	2 ho Vorsio	FAGECOMB	Father's Combined Age (For following codes apply:	Revised) c571	R	09-98 99	Father's combined age in years Unknown or not stated

<sup>\*</sup> For the Version column (Ver) the following codes apply:

R 2003 Version of US Standard Birth Certificate

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

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
184-185	2	FILLER	Filler				
186-187	2	FAGEREC11	Father's Age Recode 11		U,R	01 02 03 04 05 06 07 08 09 10	Under 15 years 15-19 years 20-24 years 25-29 years 30-34 years 35-39 years 40-44 years 45-49 years 50-54 years 55-98 years Not stated
188-189	2	FBRACE	Father's Bridged Race United States and non Pue Includes only states reportir 01-14 used for individuals r Codes 21-24 used for indivi one race that have been brid Code 24 also used for indiv more than one Asian/Pacific	ng multiple race. Cooreporting only one raiduals reporting more liged to a single race. iduals reporting	ce.	01 02 03 04 05 06 07 08 09 10 11 12 13 14 21 22 23 24 99 Blank	White – single race Black – single race American Indian – single race Asian Indian – single race Chinese – single race Filipino – single race Japanese – single race Japanese – single race Vietnamese – single race Vietnamese – single race Other Asian – single race Hawaiian – single race Guamanian – single race Samoan – single race Samoan – single race Other Pacific Islander – single race White – bridged multiple race Black – bridged multiple race American Indian & Alaskan Native – bridged multiple race Asian / Pacific Islander – bridged multiple race Unknown or not stated, also includes states not reporting multiple race Not on certificate
			<u>Puerto Rico</u>			01 02 00	White Black Other

<sup>\*</sup> For the Version column (Ver) the following codes apply:

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						99	Unknown or not stated
190	1	FILLER15	Filler				
191	1	FRACEREC	Father's Race Recode  United States and and an and an and an and an	non-Puerto Rican Te	U,R erritories	1 2 3 4 9 1 2 9	White Black American Indian or Alaskan Native Asian or Pacific Islander Unknown or not stated  White Black Unknown or not stated Other (not classified as White or Black)
192-194	3	FILLER16	Filler				,
195	1	UFHISP	Father's Hispanic Origin	570	U,R	0 1 2 3 4 5 9	Non-Hispanic Mexican Puerto Rican Cuban Central or South American Other and Unknown Hispanic Origin unknown or not stated
196	1	FRACEHISP	Father's Race/Hisp Origin	570	U,R	1 2 3 4 5 6 7 8 9	Mexican Puerto Rican Cuban Central or South American Other and Unknown Hispanic Non-Hispanic White Non-Hispanic Black Non-Hispanic Other Races Origin unknown or not stated
197	1	FEDUC	Father's Education	572	R	1 2 3 4	8 <sup>th</sup> grade or less 9 <sup>th</sup> through 12 <sup>th</sup> grade with no diploma High school graduate or GED completed Some college credit, but not a degree.

<sup>\*</sup> For the Version column (Ver) the following codes apply:

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

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						5 6 7 8	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
198	1	FILLER17	Filler				
199-200	2	UFRACE	Father's Race (Unrevised) United States		U	01 02 03 04 05 06 07 18 28 38 48 58 68	White Black American Indian & Alaskan Natives Chinese Japanese Hawaiian (includes part Hawaiian) Filipino Asian Indian Korean Samoan Vietnamese Guamanian Other Asian or Pacific Islander in areas reporting codes 18-58. Combined other Asian or Pacific Islander, includes 18-68 for areas that do not report them separately. Unknown or not stated
			<u>Puerto Rico</u>			01 03 00 99	White Black Other races not classified white or black Unknown or not stated
			<u>Guam</u>			01 02 03 04 05 06	White Black American Indian & Alaskan Natives Chinese Japanese Hawaiian (includes part Hawaiian)

<sup>\*</sup> For the Version column (Ver) the following codes apply:

R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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

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

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						07 08 58 99	Filipino Other Asian or Pacific Islander Guamanian Unknown or not stated
			All other Territorie	<u>28</u>		01 02 03 04 05 06 07 08 99	White Black American Indian & Alaskan Natives Chinese Japanese Hawaiian (includes part Hawaiian) Filipino Other Asian or Pacific Islander Unknown or not stated
201-207	7	FILLER18	Filler				
208-209	2	PRIORTERM	<b>Prior Other Terminations</b>		U,R	00-30 99	Number other terminations Unknown or not stated
210-211	2	FILLER19	Filler			,,	Chillown of not stated
212	1	LBO_REC	Live Birth Order Recode		U,R	1-7 8 9	Number of live birth order. 8 or more live births Unknown or not stated
213-216	4	FILLER20	Filler				
217	1	TBO_REC	Total Birth Order Recode		U,R	1-7 8 9	Number of total birth order. 8 or more total births Unknown or not stated
218-244	27	FILLER21	Filler				
245-246	2	PRECARE	Month Prenatal Care Bega	n (Revised) 668	R	00 01-10 99	No prenatal care Month prenatal care began Unknown or not stated
247	1	PRECARE_REC	Month Prenatal Care Bega	n Recode (Revised) 668	R	1	1 <sup>st</sup> to 3 <sup>rd</sup> month
* For t	he Versio	on column (Ver) the	e following codes apply:			-	1 to 5 monus

<sup>\*</sup> For the Version column (Ver) the following codes apply:

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U 1989 Version of US Standard Birth Certificate

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

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						2 3 4 5	4 <sup>th</sup> to 6 <sup>th</sup> month 7 <sup>th</sup> to final month No prenatal care Unknown or not stated
248-269	22	FILLER22	Filler				
270-271	2	UPREVIS	Number of Prenatal Visits	671	U,R	00-49 99	Number of prenatal visits Unknown or not stated
272-273	2	PREVIS_REC	Number of Prenatal Visits	Recode 671	U,R	01 02 03 04 05 06 07 08 09 10 11	No visits 1 to 2 visits 3 to 4 visits 5 to 6 visits 7 to 8 visits 9 to 10 visits 11 to 12 visits 13 to 14 visits 15 to 16 visits 17 to 18 visits 19 or more visits Unknown or not stated
274-275	2	FILLER23	Filler				
276-277	2	WTGAIN	Weight Gain	648	U,R	00-97 98 99	Weight gain in pounds 98 pounds and over Unknown or not stated
278	1	WTGAIN_REC	Weight Gain Recode	648	U,R	1 2 3 4 5 9	Less than 11 pounds 11 to 20 pounds 21 to 30 pounds 31 to 40 pounds 41 to 98 pounds Unknown or not stated
279	1	FILLER	Filler				
280 * Family	1	DFPC_IMP	Day of Date First Prenatal	Care Imputed	R	Blank 1	Day of date first prenatal care not imputed Day of date first prenatal care imputed

<sup>\*</sup> For the Version column (Ver) the following codes apply:

R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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

Le	n Field	De	escription	Reporting Flag Position	Vers*	Values	Definition
1	WIC	W	TC .	579	R	Y	Yes
						N U	No Unknown or not stated
2	CIG_0	) Ci	igarettes Before Pregnanc	<b>y</b> 672	R	00-97 98 99	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated
2	CIG_1	Ci	igarettes 1 <sup>st</sup> Trimester	575	R	00-97 98 99	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated
2	CIG_2	2 Ci	igarettes 2 <sup>nd</sup> Trimester	575	R	00-97 98 99	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated
2	CIG_3	3 Ci	igarettes 3 <sup>rd</sup> Trimester	575	R	00-97 98 99	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated
4	FILLE	ER24 Fi	ller				
1	CIG_F	REC Ci	igarette Recode (Revised)	575	R	Y N U	Yes No Unknown or not stated
18	FILLE	ER25 Fi	ller				
9				ode structure:	R	Y N	Yes No Unknown or not stated
13 1			repregnancy Diabetes	582		S	Chanown of not stated
				583			
				500			
]	2 2 2 2 4 1 18 9 13 14 11 15 11 16 11 17 11 18 11 19 1	1 WIC  2 CIG_0  2 CIG_1  2 CIG_1  2 CIG_2  4 FILLE  1 CIG_H  18 FILLE  9 Risk I  The ch  13 1 RF_D  14 1 RF_G  15 1 RF_PI  16 1 RF_G  17 1 RF_E  18 1 RF_PI  19 1 RF_PI	1 WIC W  2 CIG_0 C  2 CIG_1 C  2 CIG_1 C  2 CIG_2 C  4 FILLER24 Fi  1 CIG_REC C  18 FILLER25 Fi  9 Risk Factors (Revise The checkbox items in or	1 WIC WIC  2 CIG_0 Cigarettes Before Pregnance  2 CIG_1 Cigarettes 1st Trimester  2 CIG_2 Cigarettes 2nd Trimester  2 CIG_3 Cigarettes 3rd Trimester  4 FILLER24 Filler  1 CIG_REC Cigarette Recode (Revised)  18 FILLER25 Filler  9 Risk Factors (Revised) The checkbox items indented below follow this companient of the property of the pr	Flag Position    WIC   WIC   579	1 WIC WIC 579 R	No.   Flag Position   Flag Position   Flag Position

R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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

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

Position	n	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
	320 321	1	FILLER26 RF_INFTR	Filler Infertility Treatment	590			
322		1	RF_FEDRG	Fertility Enhancing Drugs	591	R	Y N X U	Yes No Not applicable Unknown or not stated
323		1	RF_ARTEC	Asst. Reproductive Techno	<b>blogy</b> 592	R	Y N X U	Yes No Not applicable Unknown or not stated
324		1	RF_CESAR	Previous Cesareans	593	R	Y N U	Yes No Unknown or not stated
325-326	i	2	RF_CESARN	Previous Cesareans Num	594	R	00 01-30 99	None Number of previous cesareans Unknown or not stated
327-330	)	4	FILLER27	Filler				
331-337	,	7	Risk Factors The checkbox item	ns indented below follow this	structure:	U,R	1 2	Yes No
	331 332-334 335 336	1 3 1 1	URF_DIAB FILLER28 URF_CHYPER URF_PHYPER	Diabetes Filler Cronic Hypertension Prepregnacny Associated 1	684 688 <b>Hypertension</b> 689		9	Unknown
229 244	337	1	URF_ECLAM	Eclampsia	690			
338-344 345-350		7 6	FILLER29  Infections Presen	Filler		R		
				ns indented below follow this	structure:		Y N U	Yes No Unknown or not stated
	345 346 * For th R			Gonorrhea Syphillis e following codes apply: dard Birth Certificate	595 596			
	U u	1989 V	ersion of US Stand	dard Birth Certificate dard Birth Certificate but the	nis element confor	ms to the	2003 sta	ndards

c

Item is sharing flag with a comparable reporting area because a unique flag did not already exist. 17

Position	n	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition	
	347 348	1	FILLER30	Filler	500				
	348 349	1 1	IP_CHLAM IP_HEPB	Chlamydia Hepatitis B	598 599				
	350	1	IP_HEPC	Hepatitis C	600				
	330		n_nerc	Treputitis C	000				
351-354		4	Obstetric Proced The checkbox iter	lures (Revised) ms indented below follow this	structure:	R	Y N	Yes No	
	351	1	OP_CERV	Cervical Cerclage	601		U	Unknown or not stated	
	352	1	OP_TOCOL	Tocolysis	602				
	353	1	OP_ECVS	Successful External Ceph	alic Version 603				
	354	1	OP_ECVF	Failed External Cephalic	Version 604				
355-356	į	2	FILLER31	Filler					
357-359	)	3	Obstetric Proced	lures		U,R			
				ms indented below follow this	structure:		1	Yes	
							2	No	
	357	1	UOP_INDUC	Induction of Labor	703		8	Not on certificate	
	358	1	FILLER32	Filler			9	Unknown or not stated	
	359	1	UOP_TOCOL	Tocolysis	705				
360-361		2	FILLER33	Filler					
362-364		3	Onset of Labor			R	Y	Yes	
				ms indented below follow this	structure:		N	No	
							U	Unknown or not stated	
	362	1	ON_RUPTR	Premature Rupture of Mo	embrane 605				
	363	1	ON_PRECIP	Precipitous Labor	606				
	364	1	ON_PROL	Prolonged Labor	607				
265 272		0	CI 4 4	first and Dallaces (Darla		D			
365-373		9	The checkshow item	of Labor and Delivery (Revisems indented below follow this	sea	R	v	Yes	
			The checkbox her	ins indented below follow this	structure:		Y N	No	
	365	1	LD_INDL	Induction of Labor	608		U	Unknown or not stated	
	366	1	LD_MUGM	Augmentation of Labor	609		U	Chanown of not stated	
	367	1	FILLER34	Filler	007				
	368	1	LD_STER	Steroids	611				
	369	1	LD_ANTI	Antibiotics	612				
	370	1	LD_CHOR	Chorioamnionitis	613				
		he Versio		ne following codes apply:					
	R								
	U								
		1989 Version of US Standard Birth Certificate but this element conforms to the 2003 standards							
	u								
	С	nem is	snaring flag with	a comparable reporting are	ea because a uniqu	e mag and	not airea	ay exist.	

Position	n	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
	371 372 373	1 1 1	LD_MECS LD_FINT LD_ANES	Meconium Staining Fetal Intolerance Anesthesia	614 615 616			
374		1	FILLER35	Filler				
375-384		10	Complications of The checkbox item	Labor and Delivery ns indented below follow this	structure:	U,R	1 2	Yes No
	375 376-380	1	ULD_MECO FILLER36	Meconium Filler	712		8 9	Not on certificate Unknown or not stated
	381 382-383	1	ULD_PRECIP FILLER37	Precipitous Labor Filler	718			Chanowi of not stated
	384	1	ULD_BREECH	Breech	721			
385-391		7	FILLER38	Filler				
392-394		3	Method of Delive	ery (Revised)				
	392	1	ME_PRES	Fetal Presentation	619	R	1 2 3 9	Cephalic Breech Other Unknown or not stated
	393	1	ME_ROUT	Route & Method of Delive	ry620	R	1 2 3 4 9	Spontaneous Forceps Vacuum Cesarean Unknown or not stated
	394	1	ME_TRIAL	Trial of Labor Attempted	621	R	Y N X U	Yes No Not applicable Unknown or not stated
395-398	1	4	FILLER39	Filler				
399-400	)	2	Method of Delive The checkbox item	ery (Unrevised) ns indented below follow this	structure:		1 2	Yes No

<sup>\*</sup> For the Version column (Ver) the following codes apply:

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U 1989 Version of US Standard Birth Certificate

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

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

Position	n	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
	399 400	1 1	UME_FORCP UME_VAC	Forceps Vacuum	734 735	U,R U,R	9	Unknown or not stated
401		1	RDMETH_REC	Delivery Method Recode (1	<b>Revised</b> ) 679	R	1 2 3 4 5 6	Vaginal (excludes vaginal after previous C-section) Vaginal after previous c-section Primary C-section Repeat C-section Vaginal (unknown if previous c-section) (2003 Standard only) C-section (unknown if previous c-section) (2003 Standard Only Not stated
402		1	FILLER40	Filler				
403		1	DMETH_REC	Delivery Method Recode C	Combined	U,R	1 2 9	Vaginal C-Section Unknown
404-409	404 405 406 407 408 409	1 1 1 1 1	Maternal Morbio The checkbox iter  MM_MTR  MM_PLAC  MM_RUPT  MM_UHYST  MM_ICU  MM_UOPER	ms indented below follow this  Maternal Transfusion Perineal Laceration Ruptured Uterus Unplanned Hysterectomy Admit to Intensive Care Unplanned Operation	622 623 624 625 626 627	R	Y N U	Yes No Unknown or not stated
410		1	ATTEND	Attendant		U,R	1 2 3 4 5 9	Doctor of Medicine (MD) Doctor of Osteopathy (DO) Certified Nurse Midwife (CNM) Other Midwife Other Unknown or not stated
411	* For t	1 he Versio	MTRAN	Mother Transferred	c571	R	Y N	Yes No

<sup>\*</sup> For the Version column (Ver) the following codes apply:

R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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

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

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						U	Unknown
412	1	PAY	Payment Source	580	R	1 2 3 4 5 6 8	Medicaid Private Insurance Self-Pay Indian Health Service CHAMPUS/TRICARE Other Government (Federal, State, Local) Other Unknown
413	1	PAYR	Payment Recode	678	R	1 2 3 4 9	Medicade Private Insurance Self Pay Other Unknown
414	1	FILLER41	Filler				
415-416	2	APGAR5	Five Minute APGAR Scor	<b>e</b> 574	U,R	00-10 99	A score of 0-10 Unknown or not stated
417	1	APGAR5R	Five Minute APGAR Reco	ode 574	U,R	1 2 3 4 5	A score of 0-3 A score of 4-6 A score of 7-8 A score of 9-10 Unknown or not stated
418-419	2	APGAR10	Ten Minute APGAR Score	e c579	R	00-10 88 99	A score of 0-10 Not applicable Unknown or not stated
420	1	APGAR10R	Ten Minute APGAR Reco	<b>de</b> c579	R	1 2 3 4 5	A score of 0-3 A score of 4-6 A score of 7-8 A score of 9-10 Not stated / not applicable
421-422	2	FILLER42	Filler			5	That stated / not applicable

<sup>\*</sup> For the Version column (Ver) the following codes apply:

R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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

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

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
423	1	DPLURAL	Plurality Recode		U,R	1 2 3 4 5	Single Twin Triplet Quadruplet Quintuplet or higher
424	1	FILLER43	Filler				
425	1	IMP_PLUR	Plurality Imputed		U,R	Blank 1	Plurality is imputed Plurality is not imputed
426-435	10	FILLER44	Filler				
436	1	SEX	Sex of Infant		U,R	M F	Male Female
437	1	IMP_SEX	Imputed Sex		U,R	Blank 1	Infant Sex not Imputed Infant Sex is Imputed
438-439	2	DLMP_MM	Last Normal Menses Mont	ch	U,R	01 02 03 04 05 06 07 08 09 10 11 12 99	January February March April May June July August September October November December Unknown or not stated
440-441	2	FILLER45	Filler				
442-445	4	DLMP_YY	Year of Last Normal Mens	ses Began	U,R	nnnn 9999	Year of last normal menses Unknown or not stated
446-447	2	ESTGEST	Obstetric/Clinical Gestation	on Est. 573	U,R	17-47 99	17 <sup>th</sup> through 47 <sup>th</sup> week of gestation Unknown or not stated

<sup>\*</sup> For the Version column (Ver) the following codes apply:

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
448-450	3	FILLER46	Filler				
451-452	2	COMBGEST	Gestation – Detail in Week	<b>s</b> 670	U,R	17-47 99	17 <sup>th</sup> through 47 <sup>th</sup> week of Gestation Unknown
453-454	2	GESTREC10	Gestation Recode 10		U,R	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 Unknown
455	1	GESTREC3	Gestation Recode 3		U,R	1 2 3	Under 37 weeks 37 weeks and over Not stated
456	1	OBGEST_FLG	Clinical Estimate of Gestat	ion Used Flag	U,R	Blank 1	Clinical Estimate is not used Clinical Estimate is used
457	1	GEST_IMP	<b>Gestation Imputed Flag</b>		U,R	Blank 1	Gestation is not imputed Gestation is imputed
458-466	9	FILLER47	Filler				
467-470	4	BRTHWGT	Imputed Birth Weight		U,R	0227-816 9999	55 Number of grams Not stated birth weight
471-472	2	BWTR14	Birth Weight Recode 14		U,R	01 02 03 04 05 06 07	227- 499 grams 500 – 749 grams 750 - 999 grams 1000 - 1249 grams 1250 – 1499 grams 1500 – 1999 grams 2000 – 2499 grams

<sup>\*</sup> For the Version column (Ver) the following codes apply:

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Position		Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition			
							08 09 10 11 12 13	2500 – 2999 grams 3000 – 3499 grams 3500 – 3999 grams 4000 – 4499 grams 4500 – 4999 grams 5000 – 8165 grams Not Stated			
473	1	BWTR4	Birth W	eight Recode 4		U,R	1 2 3 4	227- 1499 grams 1500 – 2499 grams 2500 - 8165 grams Unknown or not stated			
474-475	2	FILLER4	48 Filler								
476-482		7		tions of the Newborn (Revise ns indented below follow this		R	Y N U	Yes, Complication reported No Complication reported Unknown or not stated			
	476	1	AB_AVEN1	Assisted Ventilation	628		Blank	Not on Certificate			
477		1	AB_AVEN6	Assisted Ventilation > 6 hr	s 629						
	478		AB_NICU	Admission to NICU	630						
	479	1	AB_SURF	Surfactant	631						
	480	1	AB_ANTI	Antibiotics	632						
	481	1	AB_SEIZ	Seizures	633						
	482	1	AB_BINJ	Birth Injury	634						
483-491		9	FILLER49	Filler							
492-503		12	Congenital Anom	nalies of the Newborn (Revis	<u>ed</u> )	R					
			The checkbox item	ns indented below follow this	structure:		Y N U	Yes, anomaly reported No, anomaly not reported Unknown			
	492	1	CA_ANEN	Anencephaly	635		Blank	Not on certificate			
	493	1	CA_MNSB	Meningomyelocele / Spina	Bifida 636						
	494	1	CA_CCHD	Cyonotic Congenital Hear							
	495	1	CA_CDH	Congenital Diaphragmatic	Hernia 638						
	496	1	CA_OMPH	Omphalocele	639						
	497	1	CA_GAST	Gastrochisis	640						
	498	1	CA_LIMB	Limb Reduction Defect	641						
	499	1	CA_CLEFT	Cleft Lip w/ or w/o Cleft P	alate 642						
	* For th	e Version	column (Ver) the	e following codes apply:							
	R			dard Birth Certificate							
	U			dard Birth Certificate							
	u	1989 Version of US Standard Birth Certificate but this element conforms to the 2003 standards									
	c	Item is sharing flag with a comparable reporting area because a unique flag did not already exist.									
					24						

Position		Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
	500	1	CA_CLPAL	Cleft Palate alone	643			
501		1	CA_DOWN	Downs Syndrome	644	R	C P N U Blank	Confirmed Pending No Unknown Not on certificate
502		1	CA_DISOR	Suspected Chromosomal D	isorder 645	R	C P N U Blank	Confirmed Pending No Unknown Not on certificate
503		1	CA_HYPO	Hypospadias	646	R	Y N U Blank	Yes, anomaly reported No, anomaly not reported Unknown Not on certificate
504-523		20	Congenital Anom. The checkbox item	alies of the Newborn s indented below follow this s	tructure:	U,R	1 2 9	Anomaly reported Anomaly not reported Anomaly not classifiable
	504	1	UCA_ANEN	Anencephalus	752		Blank	Not on certificate
	505 506-512	1	UCA_SPINA FILLER50	Spina Bifida / Meningocele Filler			2111111	THE CAN CONTINUE
	513	1	UCA_OMPHA	Omphalocele / Gastroschisi	s 760			
	514-517	4	FILLER51	Filler				
	518	1	UCA_CLFTLP	Cleft Lip / Palate	765			
	519-520		FILLER52	Filler				
	521	1	UCA_HERNIA	Diaphramatic Hernia	769			
	522 523	1	FILLER53 UCA_DOWNS	Filler Downs Syndrome	771			
	323	1	OCA_DOWNS	Downs Synarome	/ / 1			
524-525		2	FILLER54	Filler				
526		1	ITRAN	Infant Transferred	c571	R	Y N U	Yes No Unknown or not stated
	* T (1	T7 .	1 (17 ) (1	C 11 ' 1 1				

<sup>\*</sup> For the Version column (Ver) the following codes apply:

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
527	1	ILIVE	Infant Living at Time of R	eport c571	R	Y N U	Yes No Unknown or not stated
528	1	BFED	Infant Being Breastfed	581	R	Y N U	Yes No Unknown or not stated
529-532	4	FILLER55	Filler				
533	1	BMI_R	Body Mass Index Recode (prepre	576 gnancy)	R	1 2 3 4 5 6 9	Underweight <18.5 Normal 18.5-24-9 Overweight 25.0-29.9 Obesity I 30.0-34.9 Obesity II 35.0-39.9 Extreme Obesity III ≥40 Unknown or not stated
534-536	3	ILLB_R	Interval of Last Live Birth	Recode c571	R		Plural delivery Months since last live birth Not applicable / 1st live birth Unknown or not stated
537-538	2	ILLB_R11	Interval of Last Live Birth	Recode 11 c571	R	00 01 02 03 04 05 06 07 08 88 99	Zero to 3 months (plural delivery) 4-11 months 12-17 months 18-23 months 24-35 months 36-47 months 48-59 months 60-71 months 72 months and over Not applicable (1 <sup>st</sup> live birth) Unknown or not stated
539-541	3	ILOP_R	Interval of Last Other Pre	gnancy c571	R		Plural delivery Months since last live birth Not applicable / 1 <sup>st</sup> natality event Unknown or not stated

<sup>\*</sup> For the Version column (Ver) the following codes apply:

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
542-543	2	ILOP_R11	Interval of Last Other Pre	gnancy Recode 11 c571	R	00 01 02 03 04 05 06 07 08 88 99	Zero to 3 months (plural delivery) 4-11 months 12-17 months 18-23 months 24-35 months 36-47 months 48-59 months 60-71 months 72 months and over Not applicable (1st natality event) Unknown or not stated
544-546	3	ILP	Interval of Last Pregnancy	c571	R		Plural delivery Months since last live birth Not applicable / no previous pregnancy Unknown or not stated
547-548	2	ILP_R11	Interval of Last Pregnancy	<b>Recode 11</b> c571	R	00 01 02 03 04 05 06 07 08 88 99	Zero to 3 months (plural delivery) 4-11 months 12-17 months 18-23 months 24-35 months 36-47 months 48-59 months 60-71 months 72 months and over Not applicable (no previous pregnancy) Unknown or not stated
549-551	3	PWgt_R	Pre-pregnancy Weight Rec	e <b>ode</b> 577	R	075-375 999	Weight in pounds Unknown or not stated
552-554	3	DWgt_R	Delivery Weight Recode	578	R	100-400 999	Weight in pounds Unknown or not stated
555-556	2	M_Ht_In	Mother's Height in Inches	576	R	30-78 99	Height in inches Unknown or not stated
557	1 * For the Vers	SetOrder_R ion column (Ver) t	Set Order Recode the following codes apply:	c571	R	1	1 st

<sup>\*</sup> For the Version column (Ver) the following codes apply:

R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						2	2 <sup>nd</sup>
						3	3 <sup>rd</sup>
						4	4 <sup>th</sup>
						5	5 <sup>th</sup> to 16 <sup>th</sup>
						9	Unknown or not stated
558-568	11	FILLER56	Filler				
569-771 203	Flag Fi	le for Reporting Fla	gs				
		The reporting flags	s indented below follow this of	oding structure:		0	Not reported either year
						1	Reported both years
						2	Reported in 2008/Not reported in 2009
						3	Not reported in 2008/Reported in 2009
569	1	F_MORIGIN	Origin of Mother		U,R		
570	1	F_FORIGIN	Origin of Father		U,R		
571	1	F_MEDUC	Education of Mother		R		
572	1	F_FEDUC	Education of Father		R		
573	1	F_CLINEST	Clinical Estimate of Gestation	on	U,R		
574	1	F_APGAR5	Five minute APGAR		U,R		
575	1	F_TOBACO	Tobacco use		R		
576	1	F_M_HT	Mother's Height		R		
577	1	F_PWGT	Prepregnancy Weight		R		
578	1	F_DWGT	Weight at Delivery		R		
579	1	F_WIC	WIC		R		
580	1	F_PAY	Source of Payment		R		
581	1	F_BFED	Breastfed at Discharge		R		
582	1	F_RF_PDIAB	Prepregnancy Diabetes		R		
583	1	F_RF_GDIAB	Gestational Diabetes		R		
584	1	F_RF_PHYPER	Prepregnancy Hypertension		R		
585	1	F_RF_GHYPER	Gestational Hypertension		R		
586	1	F_RF_ECLAMP	Hypertension Eclampsia		R		
587	1	F_RF_PPB	Previous Preterm Birth		R		
588	1	F_RF_PPO	Poor Pregnancy outcomes		R		
589	1	FILLER57	Filler				
590	1	F_RF_INFT	Infertility Treatment		R		
591	1		Fertility Enhance Drugs		R		
592	1	F_RF_INF_ART			R		
593 504	1	F_RF_CESAR	Previous Cesarean	oma	R		
594 505	1	F_RF_NCESAR	Number of Previous Cesare	ans	R		
595	1	F_IP_GONOR	Gonorrhea		R		
			e following codes apply:				
R			lard Birth Certificate				
U			lard Birth Certificate				
u	1989 V	Version of US Stand	lard Birth Certificate but tl	nis element confor	rms to the	2003 sta	ndards
	T4	.1		. 1	. (1 1. 1		1

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

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Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
596	1	F_IP_SYPH	Syphilis		R		
597	1	FILLER58	Filler				
598	1	F_IP_CHLAM	Chlamydia		R		
599 600	1 1	F_IP_HEPATB	Hepatitis B		R R		
600 601	1	F_IP_HEPATC F_OB_CERVIC	Hepatitis C Cervical Cerclage		R R		
602	1	F_OB_TOCO	Tocolysis		R		
603	1	F_OB_SUCC	Successful External C	ephalic Version	R		
604	1	F_OB_FAIL	Failed External Cepha	-	R		
605	1		Premature Rupture of		R		
606	1	F_OL_PRECIP	Precipitous Labor		R		
607	1	F_OL_PROLONG	Prolonged Labor		R		
608	1	F_LD_INDUCT	Induction of Labor		R		
609	1	<del>-</del> -	Γ Augmentation of Labo	or	R		
610	1	FILLER59	Filler		ъ		
611	1	F_LD_STERIODS			R		
612 613	1 1	F_LD_ANTIBIO F_LD_CHORIO	Antibiotics Chorioamnionitis		R R		
614	1	F_LD_CHORIO F_LD_MECON	Meconium Staining		R		
615	1	F_LD_FINTOL	Fetal Intolerance		R		
616	1	F_LD_ANESTH	Anesthesia		R		
617-8		FILLER60	Filler				
619	1	F_MD_PRESENT	Fetal Presentation		R		
620	1	F_MD_ROUTE	Final Route and Meth	od of Delivery	R		
621	1	F_MD_TRIAL	Trial of Labor Attemp	ted	R		
622	1		Maternal Transfusion		R		
623	1	F_MM_LACER	Perineal Laceration		R		
624	1	F_MM_RUPTUR			R		
625 626	1 1		Unplanned Hysterecto		R R		
627	1	F_MM_ICU F_MM_OR	Admission to Intensiv Unplanned Operating		R		
628	1	F_AB_VENT	Assisted Ventilation	Room i foccuure	R		
629	1	F_AB_VENT6	Assisted Ventilation >	6 hrs	R		
630	1	F_AB_NIUC	Admission to NICU		R		
631	1	F_AB_SURFAC	Surfactant		R		
632	1	F_AB_ANTIBIO	Antibiotics		R		
633	1	F_AB_SEIZ	Seizures		R		
634	1	F_AB_INJ	Birth Injury		R		
635	1	F_CA_ANEN	Anencephaly	. D.C.1	R		
636	1	F_CA_MENIN	Meningomyelocele/Sp		R		
			following codes app	oly:			
R	2003	Version of US Stand	lard Birth Certificate				

U 1989 Version of US Standard Birth Certificate

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

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

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
				riag Position			
637	1	E CA HEADT	C	.:	D		
638	1	F_CA_HEART F_CA_HERNIA	Cyanotic Congenital Heart D Congenital Diaphragmatic He		R R		
639	1	F_CA_OMPHA	Omphalocele	Cilla	R		
640	1	F CA GASTRO	Gastroschisis		R		
641	1	F_CA_LIMB	Limb Reduction Defect		R		
642	1	F_CA_CLEFTLP	Cleft Lip with or without Cle	oft Dalata	R		
643	1	F_CA_CLEFT F_CA_CLEFT	Cleft Plate Alone	it I alate	R		
644	1	F_CA_DOWNS	Down Syndrome		R		
645	1	F_CA_CHROM	Suspected Chromosomal Dis	order	R		
646	1	F_CA_CHROM F_CA_HYPOS	Hypospadias	order	R		
647	1	FILLER61	Filler		K		
648	1	F_WTGAIN	Weight Gain		U,R		
649-651		FILLER62	Filler		U,K		
652	1	F_MAR_G	Mother's Marital Status		R		
653	1	F_MAR_P	Paternity Acknowledged		R		
654-667		FILLER63	Filler		IX.		
668	1	F_MPCB	Month Prenatal Care Began		R		
669-670		FILLER64	Filler		10		
671	1	F_TPCV	Total Number of Prenatal Vis	sits	U.R		
672	1	F_CIGS_0	Cigarettes before Pregnancy	3163	R		
673	1	F_CIGS_1	Cigarettes 1 <sup>st</sup> Trimester		R		
674	1	F_CIGS_2	Cigarettes 2 <sup>nd</sup> Trimester		R		
675	1	F_CIGS_3	Cigarettes 3 <sup>rd</sup> Trimester		R		
676	1	F_FACILITY	Facility		R		
677	1	FILLER65	Filler				
678	1	F_PAY_REC	Payment Recode		R		
679	1		Method of Delivery		R		
680-683	4	FILLER66	Filler				
684	1	F_URF_DIABETES	Diabetes		U.R		
685-687	3	FILLER67	Filler		,		
688	1	F_URF_CHYPER	Chronic Hypertension		U,R		
689	1		Prepregnancy Hypertension		U,R		
690	1	F_URF_ECLAMP			U,R		
691-702	12	FILLER68	Filler				
703	1	F_UOB_INDUCT	Induction		U,R		
704	1	FILLER69	Filler				
705	1	F_UOB_TOCOL	Tocolysis		U,R		
706-711	6	FILLER70	Filler				
712	1	F_ULD_MECONIUN	// Meconium		U,R		
713-717	5	FILLER71	Filler				
* For the	e Version	column (Ver) the	following codes apply:				
R			ard Birth Certificate				
Ü			ard Birth Certificate				
-							

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

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Item is sharing flag with a comparable reporting area because a unique flag did not already exist. 30

Position		Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
	718 719-720	1	F_ULD_PRECIP FILLER72	Precipitous Labor Filler		U,R		
	721	1	F_ULD_BREECH			U,R		
	722-733		FILLER74	Filler		0,11		
	734	1	F_U_FORCEP	Forceps		U,R		
	735	1	F_U_VACUUM	Vacuum		U,R		
	736-751 752	16	FILLER75 F_UCA_ANEN	Filler Anencephalus		U,R		
	753	1	F_UCA_SPINA	Spina Bifida		U,R		
7	754-760		FILLER76	Filler		,		
	761	1		O Omphalocele/Gastroschisi	S	U,R		
	762-765 766	4	FILLER77 F_UCA_CLEFTLE	Filler Cleft Lin/Palate		U,R		
	767-768		FILLER78	Filler		0,10		
7	769	1	F_UCA_HERNIA	Hernia		U,R		
	770	1	FILLER79	Filler				
1	771	1	F_UCA_DOWNS	Downs Syndrome		U,R		
772-867		96	FILLER80	Filler				
868		1	FLGND	Flag indicating records in bo	th numerator and d	enominato	r file	
							1	Record in both files
							Blank	Record not in both files
869-871		3	FILLER81	Filler				
872-874		3	AGED	Age at Death in Days			000-365	Number of days
875		1	AGER5	Infant age recode 5			1	Under 1 hour
							2	1 – 23 hours
							3 4	1 – 6 days 7 – 27 days (late neonatal)
							5	28 days and over (postneonatal)
876-877		2	AGER22	Infant age recode 22			Blank 01	Age 1 year and over or not stated Under 1 hour (includes not stated hours and minutes)
							02	1 – 23 hours
							03	1 day (includes not stated days)
							04	2 days
				following codes apply:			05	3 days

<sup>\*</sup> For the Version column (Ver) the following codes apply:

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U 1989 Version of US Standard Birth Certificate

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

Position	n l	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
							06	4 days
							07	5 days
							08	6 days
							09	7 days (includes not stated weeks)
							10	14 – 20 days
							11 12	21 – 27 days 1 month (includes not stated months)
							13	2 months
							14	3 months
							15	4 months
							16	5 months
							17	6 months
							18	7 months
							19	8 months
							20	9 months
							21	10 months
							22	11 months
878	1	1	MANNER	Manner of Death			1	Accident
070		1	WAININEK	Manner of Death			2	Suicide
							3	Homicide
							4	Pending investigation
							5	Could not determine
							6	Self-inflicted
							7	Natural
							Blank	Not specified
879	1	1	DISPO	Method of Disposition			В	Burial
0.,	•	•	2101 0	niemod of Disposition			C	Cremation
							0	Other
							U	Unknown
880	1	1	AUTOPSY	Autopsy			Y	Yes
000		-	11010151	rutopsy			N	No
							U	Unknown
881	1	1	FILLER82	Filler				
882	1	1	PLACE	Place of injury for causes W	700-Y34, except Y06	5	0	Home
				and Y07	, 1		1	Residential institution
	* For the	Versio	n column (Ver) th	ne following codes apply:				

R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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

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

Position	Len	Field	Description	Reporting V Flag Position	√ers*	Values	Definition
						2 3 4 5 6 7 8 9 Blank	School, other institution and public administrative area Sports and athletics area Street and highway Trade and service area Industrial and construction area Farm Other Specified Places Unspecified place Cause other than W00-Y34, except Y06 and Y07
883	1	FILLER83	Filler				
884-891		UNDERLYING	CAUSE OF DEATH				
884-887	4	UCOD	ICD Code (10 <sup>th</sup> Revision) See the <u>International Classif</u> Revision, Volume 1.	fication of Diseases, 19	92		
888	1	FILLER84	Filler				
889-891	3	UCODR130	130 Infant Cause Recode			001-158	Code Range
892	1	FILLER85	Filler				
893-900	8	RECWT	Record Weight (no weights	computed for possession	ons file)	1.XXXX	XXX

## <u>Here ends the cohort denominator-plus file. The numerator (linked) file continues below.</u> 901-902 2 FILLER86 **Filler**

2 11222100 1**1110**1

903-1148 246 <u>MULTIPLE CONDITIONS</u>

<sup>\*</sup> For the Version column (Ver) the following codes apply:

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

Position	Len	Field	Description		Reporting Flag Position	Vers*	Values	Definition	
903-904	2	EANUM	Number of Entity-	Axis Cond	litions		00-20	Code range	
905-1044	140	ENTITY	Entity-Axis Conditions Space has been provided for a maximum of 20 conditions. Each condition takes 7 positions in the record. The 7 <sup>th</sup> position will be blank. Records that do not have 20 conditions are blank in the unused area.						
			Position 1:	Part/line	number on certifica	te			
			1 2 3 4 5 6 Position 2: 1-7 Position 3 – 6: Con See ICD	ndition co	Part I, line 1 (a) Part I, line 2 (b) Part I, line 3 (c) Part I, line 4 (d) Part I, line 5 (e) Part II, e of condition within Code range de complete list of code				
			1st Condition 2nd Condition 3rd Condition 4th Condition 5th Condition 6th Condition 7th Condition 8th Condition 9th Condition 10th Condition 11th Condition 12th Condition 13th Condition 14th Condition 15th Condition 15th Condition	apply:	omplete list of code				
R U			dard Birth Certific dard Birth Certific						

U 1989 Version of US Standard Birth Certificate

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

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

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
				Tiag Tosition			
1010-1016 1017-1023 1024-1030 1031-1037 1038-1044	7 7 7 7		16 <sup>th</sup> Condition 17 <sup>th</sup> Condition 18 <sup>th</sup> Condition 19 <sup>th</sup> Condition 20 <sup>th</sup> Condition				
1045-1046	2	FILLER87	Filler				
1047-1048	2	RANUM	Number of Record-Axis Cor	ditions		00-20	Code range
1049-1148	100	RECORD	Record-Axis Conditions Space has been provided for conditions. Each condition to record. The 5 <sup>th</sup> position will do not have 20 conditions are	akes 5 positions in the be blank. Records the blank in the unuse	nat		
			Positions 1 – 4: Condition Co See ICD-10 for a c	ode omplete list of code	es		
1049-1053 1054-1058 1059-1063 1064-1068 1069-1073 1074-1078 1079-1083 1084-1088 1089-1093 1094-1098 1099-1103	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		1st Condition 2nd Condition 3rd Condition 4th Condition 5th Condition 6th Condition 7th Condition 8th Condition 9th Condition 10th Condition 11th Condition				
1104-1108 1109-1113	5 5		12 <sup>th</sup> Condition 13 <sup>th</sup> Condition				
1114-1118 1119-1123 1124-1128 1129-1133 1134-1138	5 5 5 5 5		14 <sup>th</sup> Condition 15 <sup>th</sup> Condition 16 <sup>th</sup> Condition 17 <sup>th</sup> Condition 18 <sup>th</sup> Condition				
1139-1143 1144-1148	5 5		19 <sup>th</sup> Condition 20 <sup>th</sup> Condition				

<sup>\*</sup> For the Version column (Ver) the following codes apply:

R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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

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

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
1149-1150	2	FILLER88	Filler				
1151	1	D_RESTATUS	Death Resident Status				
			United States Occurrence			1	RESIDENTS State and County of Occurrence and Residence are the
						2	same. INTRASTATE NONRESIDENTS State of Occurrence and Residence are the same, but
						3	County is different. INTERSTATE NONRESIDENTS State of Occurrence and Residence are different, but both are in the U.S.
						4	FOREIGN RESIDENTS State of Occurrence is one of the 50 States or the District of Columbia, but Place of Residence is outside of the U.S.
			Puerto Rico Occurrence			1	RESIDENTS Territory and County-equivalent of Occurrence and
						2	Residence are the same. INTRASTATE NONRESIDENTS Territory of Occurrence and Residence are the same, but
						3	County-equivalent is different. INTERTERRITORY NONRESIDENTS Territory of occurrence and residence are different, but
						4	both are a Territory. 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
						2	Residence are the same. INTRASTATE NONRESIDENTS Territory of Occurrence and Residence are the same, but
						3	County-equivalent is different. INTERTERRITORY NONRESIDENTS Territory of occurrence and residence are different, but
						4	both are a Territory.  FOREIGN RESIDENTS  Occurred in Virgin Islands to a resident of any other place.

<sup>\*</sup> For the Version column (Ver) the following codes apply: R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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

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

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
			Guam Occurrence			1 3 4	RESIDENTS Occurred in Guam to a resident of Guam or to a resident of the U.S. INTERTERRITORY NONRESIDENTS Territory of occurrence and residence are different, but both are a Territory. FOREIGN RESIDENTS Occurred in Guam to a resident of any place other than Guam or the U.S.
1152-1153	2	DOSTATE	State of Occurrence (FIPS) of (This item is available in the geography codes are not available in the geography codes are not available.	territory file only,	1	PR VI GU	Puerto Rico Virgin Islands Guam
1154-1156	3	DOCNTY	County of Occurrence (FIPS Counties and county equivale coextensive cities) are number State and identify each count a county, both the state and complete list of counties is sl Outline further back in this d (This item is available in the geography codes are not available.	ents (independent an ered alphabetically was ty. (Note: To unique county codes must be hown in the Geograp locument. territory file only,	vithin each ly identify used.) A hic Code		Code range
1157-1159	3	FILLER89	Filler				
1160-1161	2	DRSTATE	State of Residence (FIPS) (This item is available in the geography codes are not available in the geography codes are not available.		)		
			Territories			PR VI GU	Puerto Rico Virgin Islands Guam
<b>*</b> F		1 (11)	Foreign residents			CC MX CU	Canada Mexico Cuban
* For t	ne Versioi	n column (Ver) the	e following codes apply:				

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

R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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

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

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						YY	Remainder of world
			Puerto Rico Occurrence			PR US,ZZ	Puerto Rico Foreign residents
			Virgin Islands Occurrence			VI US, ZZ	Virgin Islands Foreign residents
			Guam Occurrence			GU US ZZ	Guam U.S. resident. Also considered a resident of Guam. Foreign residents
1162-1163	2	FILLER90	Filler				
1164-1165	2	DRSTCNTRY	State/Country of Residence (This item is available in th geography codes are not av	e territory file only,	:.)		
			Territorial residents			PR VI GU	Puerto Rico Virgin Islands Guam
			Foreign residents			CC MX CU YY	Canada Mexico Cuba Remainder of the world
			Puerto Rico Occurrence			PR US,ZZ	Puerto Rico Foreign residents
			Virgin Islands Occurrence			VI US,ZZ	Virgin Islands Foreign residents
			Guam Occurrence			GU US ZZ	Guam U.S. resident. Also considered a resident of Guam. Foreign residents
1166-1168	3	DRCNTY	County of Residence (FIPS This item is available in the geography codes are not av	e territory file only,	·.	000	Foreign residents
* Fo			the following codes apply: ndard Birth Certificate				
K U			ndard Birth Certificate				

U 1989 Version of US Standard Birth Certificate

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

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

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						001-nnn 999	Code range County less than 250,000 population
1169-1181	13	FILLER91	Filler				
1182	1	CNTRSPPD	Population Size of County This item is available in the geography codes are not av	e territory file only,	_	0 1 2 9 Z	County of 1,000,000 or more County of 500,000 to 1,000,000 County of 250,000 to 500,000 County of less than 250,000 Foreign residents
1183-1185	3	FILLER92	Filler				
1186 1187	1	HOSPD	Place of Death and Decend	lent's Status		1 2 3 4 5 6 7 9	Hospital, clinic or Medical Center – Inpatient Hospital, clinic or Medical Center – Outpatient or admitted to Emergency Room Hospital, clinic or Medical Center – Dead on Arrival Decedent's home Hospice facility Nursing home/long term care Other Place of death unknown Sunday
						2 3 4 5 6 7 9	Monday Tuesday Wednesday Thursday Friday Saturday Unknown
1188-1191	4	DTHYR	Death Year			2012 2013	2012 2013
1192-1257	66	FILLER93	Filler				
1258-1259	2	DOD_MM	Month of Death			01	January
			he following codes apply:				
R U			ndard Birth Certificate ndard Birth Certificate				
u			ndard Birth Certificate but	this element conform	ms to the	2003 stai	ndards

c

Position	Len	Field	Description	Reporting Flag Position	Vers*	Values	Definition
						02	February
						03	March
						04	April
						05	May
						06	June
						07	July
						08	August
						09	September
						10	October
						11	November
						12	December

<sup>\*</sup> For the Version column (Ver) the following codes apply:

R 2003 Version of US Standard Birth Certificate

U 1989 Version of US Standard Birth Certificate

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

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

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ST: 1 = Subtotal
                     Limited: Sex: 1 = Males; 2 = Females
                              Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over
                                    4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over
                                    7 = 10 years and over
                       ***** Cause Subtotals are not identified in this file *****
130
        S Limited
       T Sex Age Cause Title and ICD-10 Codes Included
Recode
001
                  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)
                    Septicemia (A40-A41)
009
010
                    Congenital syphilis (A50)
                    Gonococcal infection (A54)
011
012
                    Viral diseases (A80-B34)
 013
                      Acute poliomyelitis (A80)
                      Varicella (chickenpox) (B01)
014
 015
                      Measles (B05)
016
                      Human immunodeficiency virus (HIV) disease (B20-B24)
017
                      Mumps (B26)
                      Other and unspecified viral diseases (A81-B00,B02-B04,B06-B19,B25,B27-B34)
018
019
                    Candidiasis (B37)
 020
                    Malaria (B50-B54)
 021
                    Pneumocystosis (B59)
                    All other and unspecified infectious and parasitic diseases
022
                       (A20-A32, A38, A42-A49, A51-A53, A55-A79, B35-B36, B38-B49, B55-B58, B60-B99)
 023
                  Neoplasms (C00-D48)
024
                    Malignant neoplasms (C00-C97)
                      Hodgkin's disease and non-Hodgkin's lymphomas (C81-C85)
 025
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)
                    Hemorrhagic conditions and other diseases of blood and blood-forming organs
031
                      (D65-D76)
 032
                    Certain disorders involving the immune mechanism (D80-D89)
                  Endocrine, nutritional and metabolic diseases (E00-E88)
 033
034
                    Short stature, not elsewhere classified (E34.3)
035
                    Nutritional deficiencies (E40-E64)
036
                    Cystic fibrosis (E84)
037
                    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
                  Diseases of the nervous system (G00-G98)
                    Meningitis (G00,G03)
040
 041
                    Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) (G12.0)
042
                    Infantile cerebral palsy (G80)
                    Anoxic brain damage, not elsewhere classified (G93.1)
 043
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
                  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)
                    Cerebrovascular diseases (I60-I69)
051
052
                    All other diseases of circulatory system (I00-I25, I31, I34-I38, I44-I45, I47-I51,
                      I70-I99)
 053
                  Diseases of the respiratory system (J00-J98)
        1
                    Acute upper respiratory infections (J00-J06)
054
```

Influenza and pneumonia (J10-J18)

055

1

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ST: 1 = Subtotal
                     Limited: Sex: 1 = Males; 2 = Females
                              Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over
                                    4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over
                                    7 = 10 years and over
                      ***** Cause Subtotals are not identified in this file *****
130
        S Limited
       T Sex Age Cause Title and ICD-10 Codes Included
Recode
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
                  Diseases of the digestive system (K00-K92)
                    Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)
064
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)
                  Diseases of the genitourinary system (N00-N95)
067
 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
                  Certain conditions originating in the perinatal period (P00-P96)
        1
071
                    Newborn affected by maternal factors and by complications of pregnancy, labor and
                      delivery (P00-P04)
                      Newborn affected by maternal hypertensive disorders (P00.0)
 072
                      Newborn affected by other maternal conditions which may be unrelated to present
073
                        pregnancy (P00.1-P00.9)
 074
                      Newborn affected by maternal complications of pregnancy (P01)
                        Newborn affected by incompetent cervix (P01.0)
075
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
                      Newborn affected by complications of placenta, cord and membranes (PO2)
        1
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 (PO3)
                      Newborn affected by noxious influences transmitted via placenta or breast milk
085
086
        1
                    Disorders related to length of gestation and fetal malnutrition (P05-P08)
087
                      Slow fetal growth and fetal malnutrition (P05)
                      Disorders related to short gestation and low birthweight, not elsewhere
088
                        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 (PO8)
092
                    Birth trauma (P10-P15)
                    Intrauterine hypoxia and birth asphyxia (P20-P21)
 093
        1
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)
                      Interstitial emphysema and related conditions originating in the perinatal period
100
                        (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
                    Infections specific to the perinatal period (P35-P39)
106
                      Bacterial sepsis of newborn (P36)
```

Omphalitis of newborn with or without mild hemorrhage (P38)

107

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ST: 1 = Subtotal
                     Limited: Sex: 1 = Males; 2 = Females
                              Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over
                                    4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over
                                    7 = 10 years and over
                       ***** Cause Subtotals are not identified in this file *****
130
        S Limited
       T Sex Age Cause Title and ICD-10 Codes Included
Recode
108
                      All other infections specific to the perinatal period (P35,P37,P39)
109
                    Hemorrhagic and hematological disorders of newborn (P50-P61)
        1
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)
                    Hydrops fetalis not due to hemolytic disease (P83.2)
116
117
                    Other perinatal conditions (P29, P70.3-P70.9, P71-P76, P78-P81, P83.0-P83.1,
                      P83.3-P83.9, P90-P96)
                  Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
118
119
                    Anencephaly and similar malformations (Q00)
120
                    Congenital hydrocephalus (Q03)
121
                    Spina bifida (Q05)
                    Other congenital malformations of nervous system (Q01-Q02,Q04,Q06-Q07)
122
123
                    Congenital malformations of heart (Q20-Q24)
124
                    Other congenital malformations of circulatory system (Q25-Q28)
125
                    Congenital malformations of respiratory system (Q30-Q34)
                    Congenital malformations of digestive system (Q35-Q45)
126
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)
                    Edward's syndrome (Q91.0-Q91.3)
130
131
                    Patau's syndrome (Q91.4-Q91.7)
132
                    Other congenital malformations and deformations (Q10-Q18,Q86-Q89)
                    Other chromosomal abnormalities, not elsewhere classified (Q92-Q99)
133
134
        1
                  Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere
                    classified (R00-R99)
135
                    Sudden infant death syndrome (R95)
                    Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere
136
                      classified (R00-R53, R55-R94, R96-R99)
137
                  All other diseases (Residual) (F01-F99,H00-H57,L00-M99)
                  External causes of mortality (*U01, V01-Y84)
138
        1
139
                    Accidents (unintentional injuries) (V01-X59)
        1
140
        1
                      Transport accidents (V01-V99)
                        Motor vehicle accidents(V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2,
141
                          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)
                      Falls (W00-W19)
143
144
                      Accidental discharge of firearms (W32-W34)
145
                      Accidental drowning and submersion (W65-W74)
146
                      Accidental suffocation and strangulation in bed (W75)
                      Other accidental suffocation and strangulation (W76-W77,W81-W84)
147
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
                    Assault (homicide) (*U01, X85-Y09)
                      Assault (homicide) by hanging, strangulation and suffocation (X91)
153
                      Assault (homicide) by discharge of firearms (*U01.4,X93-X95)
154
                      Neglect, abandonment and other maltreatment syndromes (Y06-Y07)
155
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)
```

Complications of medical and surgical care (Y40-Y84)

157

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) (Residence of birth is of the Mother)

	Live Bi	rths		Infant D			
			Unweig	hted	Weight	ed 1/	
							Infant
<b>C.</b> .		5		5		5	Mortality
State	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Rate
United States	3,960,797	3,952,842	23,401	23,378	23,618	23,595	5.97
Alabama	56,941	58,448	497	506	497	506	8.66
Alaska	11,054	11,187	58	58	58	58	5.18
Arizona	87,207	86,441	491	494	495	498	5.76
Arkansas California	37,342	38,347	252	273	255	276	7.20 4.49
Colorado	504,634 65,643	503,755 65,187	2,223 333	2,224 315	2,262 334	2,263 316	4.49 4.85
Connecticut	37,294	36,539	183	189	184	190	5.20
Delaware	11,381	11,023	86	85	86	85	7.71
Dist of Columbia	13,972	9,399	109	74	109	74	7.71
Florida	213,402	213,148	1,289	1,281	1,292	1,284	6.02
Georgia	131,921	130,280	814	806	824	816	6.26
Hawaii	18,986	18,980	90	92	91	93	4.90
Idaho	22,482	22,963	118	130	118	130	5.66
Illinois	155,813	159,160	954	1,011	956	1,013	6.36
Indiana	84,201	83,227	569	568	573	572	6.87
lowa	38,427	38,702	180	200	180	200	5.17
Kansas	41,174	40,341	245	260	245	260	6.45
Kentucky	53,370	55,758	353	400	356	403	7.23
Louisiana	62,585	62,642	509	505	520	516	8.24
Maine	12,594	12,798	91	93	91	93	7.27
Maryland	70,417	72,883	455	470	457	472	6.48
Massachusetts	72,827	72,439	313	305	313	305	4.21
Michigan	112,159	113,091	779	781	781	783	6.92
Minnesota	68,053	68,772	349	342	349	342	4.97
Mississippi	37,787	38,669	340	365	340	365	9.44
Missouri	76,412	75,446	547	491	550	494	6.55
Montana	12,072	12,118	73	77	73	77	6.35
Nebraska	26,282	25,942	132	121	133	122	4.70
Nevada	34,622	34,911	160	163	161	164	4.70
New Hampshire	12,578	12,352	57	53	57	53	4.29
New Jersey	101,632	104,230	427	461	432	466	4.47
New Mexico	26,150	27,068	165	177	165	177	6.54
New York	119,024	121,354	627	652	635	660	5.44
New York City	123,231	119,563	541	526	541	526	4.40
North Carolina	121,138	119,831	869	854	870	855	7.14
North Dakota	11,508	10,106	67	62	67	62	6.13
Ohio	139,071	138,483	1,035	1,011	1,050	1,025	7.40
Oklahoma	51,758	52,751	401	404	403	406	7.70
Oregon	45,567	45,067	263	243	263	243	5.39
Pennsylvania	142,009	142,514	1,035	994	1,045	1,004	7.04
Rhode Island	11,652	10,926	81	71	81	71	6.50
South Carolina	54,258	57,155	396	427	397	428	7.49
South Dakota	12,713	12,104	103	98	103	98	8.10
Tennessee	85,600	80,371	672	593	675	596	7.42
Texas	389,896	382,727	2,147	2,123	2,225	2,200	5.75
Utah	52,516	51,465	262	250	262	250	4.86
Vermont	5,687	6,009	26	23	26	23	3.83
Virginia	101,412	103,013	622	643	625	646	6.27
Washington	87,358	87,463	445	451	445	451	5.16
West Virginia	21,152	20,827	149	149	149	149	7.15
Wisconsin	66,975	67,295	385	392	385	392	5.83
Wyoming	6,858	7,572	34	42	34	42	5.55
	0,050	7,955		23 -		23	2.89

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

Race of mother and sex	Total	<500 grams	500-749 grams	750-999 grams	1000-1249 grams	1250-1499 grams	1500-1999 grams	2000-2499 grams	2500 grams or more	Not Stated
All races										
Both sexes										
Live births	3,952,842	6,568	10,333	11,435	12,948	16,045	61,627	198,155	3,635,053	678
Infant deaths	23,595	5,557	4,154	1,393	741	659	1,505	1,991		128
Infant Mortality Rate	5.97	846.07	402.01	121.82	57.23	41.07	24.42	10.05	2.05	188.79
Male										
Live births	2,021,435	3,365	5,132	5,962	6,630	8,156	30,087	90,615	1,871,114	374
Infant deaths	13,209	2,909	2,405	857	426	368	813	1,041	•	86
Infant Mortality Rate	6.53	864.49	468.63	143.74	64.25	45.12	27.02	11.49	2.30	229.95
Female										
Live births	1,931,407	3,203	5,201	5,473	6,318	7,889	31,540	107,540	1,763,939	304
Infant deaths	10,386	2,648	1,749	536	315	290	692	950	•	42
Infant Mortality Rate	5.38	826.72	336.28	97.94	49.86	36.76	21.94	8.83	1.79	138.16
Non-Hispanic White										
Both sexes										
Live births	2,134,044	2,398	3,920	4,901	5,832	7,474	29,692	94,994	1,984,687	146
Infant deaths	10,761	2,077	1,681	654	354	308	748	950	•	31
Infant Mortality Rate	5.04	866.14	428.83	133.44	60.70	41.21	25.19	10.00	2.00	212.33
Male										
Live births	1,094,469	1,197	1,987	2,585	2,944	3,777	14,400	43,341	1,024,157	81
Infant deaths	6,038	1,045	981	398	193	169	400	505	•	19
Infant Mortality Rate	5.52	873.02	493.71	153.97	65.56	44.74	27.78	11.65	2.27	*
Female										
Live births	1,039,575	1,201	1,933	2,316	2,888	3,697	15,292	51,653	960,530	65
Infant deaths	4,723	1,032	700	255	160	138	348	445	1,632	12
Infant Mortality Rate	4.54	859.28	362.13	110.10	55.40	37.33	22.76	8.62	1.70	*
Non-Hispanic Black										
Both sexes										
Live births	583,489	2,426	3,692	3,566	3,671	4,161	14,702	45,041	506,133	97
Infant deaths	6,535	1,984	1,346	391	182	146	334	455	1,646	52
Infant Mortality Rate	11.20	817.81	364.57	109.65	49.58	35.09	22.72	10.10	3.25	536.08
Male										
Live births	296,354	1,264	1,812	1,801	1,843	2,051	6,930	19,899	260,693	61
Infant deaths	3,702	1,077	789	243	117	89	192	231		40
Infant Mortality Rate	12.49	852.06	435.43	134.93	63.48	43.39	27.71	11.61	3.54	655.74

Documentation Table 2. Live births, infant deaths and infant mortality rates by race of mother, sex and birthweight of child: United States, 2012 Cohort Data - Con.

[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
Female		Branna	<u> Branns</u>	Branns	8	<b>8</b>	gc	B. s		
Live birthsInfant deathsInfant Mortality Rate	287,135 2,834 9.87	1,162 907 780.55	1,880 557 296.28	1,765 148 83.85	1,828 65 35.56	2,110 57 27.01	7,772 142 18.27	25,142 223 8.87	723	36 12 *
American Indian or Alaskan N	lative /1									
Both sexes										
Live birthsInfant deathsInfant Mortality Rate	46,093 383 8.31	73 62 849.32	117 50 427.35	105 15 *	153 13 *	176 13 *	697 22 31.56	2,198 35 15.92	171	5 1 *
Male										
Live births Infant deaths Infant Mortality Rate	23,503 210 8.94	32 27 843.75	61 24 393.44	59 11 *	81 7 *	78 5 *	337 11 *	1,059 22 20.77	102	3 - -
Female										
Live birthsInfant deathsInfant Mortality Rate	22,590 173 7.66	41 35 853.66	56 26 464.29	46 4 *	72 6 *	98 8 *	360 11 *	1,139 13 *	68	2 1 *
Asian or Pacific Islander										
Both sexes										
Live births Infant deaths Infant Mortality Rate	272,803 1,102 4.04	312 269 862.18	474 204 430.38	625 77 123.20	728 34 46.70	1,003 43 42.87	4,224 84 19.89	15,088 94 6.23	292	37 6 *
Male										
Live birthsInfant deathsInfant Mortality Rate	140,591 631 4.49	158 143 905.06	249 118 473.90	330 49 148.48	388 20 51.55	540 25 46.30	2,136 49 22.94	7,090 51 7.19	172	18 3 *
Female										
Live birthsInfant deathsInfant Mortality Rate	132,212 471 3.56	154 126 818.18	225 86 382.22	295 28 94.92	340 14 *	463 17 *	2,088 34 16.28	7,998 42 5.25	120	19 3 *
Hispanic										
Both sexes										
Live birthsInfant deathsInfant Mortality Rate	907,677 4,589 5.06	1,263 1,070 847.19	2,063 840 407.17	2,194 252 114.86	2,556 155 60.64	3,179 137 43.10	12,063 316 26.20	40,102 439 10.95	1,361	39 19 *

Documentation Table 2. Live births, infant deaths and infant mortality rates by race of mother, sex and birthweight of child: United States, 2012 Cohort Data - [Rates are per 1,000 live births]

Race of mother and sex  Male	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
Live births	461,893	654	990	1,157	1,368	1,675	6,174	18,882	430,967	26
Infant deaths	2,507	558	473	152	87	71	163	224	765	14
Infant Mortality Rate	5.43	853.21	477.78	131.37	63.60	42.39	26.40	11.86	1.78	*
Female										
Live births	445,784	609	1,073	1,037	1,188	1,504	5,889	21,220	413,251	13
Infant deaths	2,082	511	367	100	68	66	153	215	596	5
Infant Mortality Rate	4.67	839.08	342.03	96.43	57.24	43.88	25.98	10.13	1.44	*

<sup>\*</sup> Figure does not meet standard of reliability or precision: based on fewer than 20 deaths in the numerator

<sup>-</sup> Quantity zero

<sup>1/</sup> Includes Aleut and Eskimos

Documentation Table 3. Live births, infant deaths, and infant mortality rates by race of mother and gestational age: United States, 2012 Cohort data

[Rates are per 1,000 live births]

_					Gesta	ation				
Birthweight		<28	28-31	32-33	34-36	37-39			42 Weeks	Not
	Total	Weeks	Weeks	Weeks	Weeks	Weeks	40 Weeks	41 Weeks	or more	Stated
All Races										
Live births	3,952,842	29,014	47,028	58,673	321,204	2,161,122	772,289	337,681	221,751	4,080
Infant deaths	23,595	10,653	1,789	950	2,256	5,210	1,336	620	568	213
Infant Mortality Rate	5.97	367.17	38.04	16.19	7.02	2.41	1.73	1.84	2.56	52.21
Non-Hispanic White										
Live births	2,134,044	11,423	21,622	27,762	158,649	1,156,256	435,137	197,833	123,760	1,602
Infant deaths	10,761	4,208	848	475	1,149	2,681	694	333	305	69
Infant Mortality Rate	5.04	368.38	39.22	17.11	7.24	2.32	1.59	1.68	2.46	43.07
Non-Hispanic Black										
Live births	583,489	9,783	11,836	12,985	61,671	317,470	98,039	40,776	30,027	902
Infant deaths	6,535	3,586	463	216	462	1,198	302	121	111	78
Infant Mortality Rate	11.20	366.55	39.12	16.63	7.49	3.77	3.08	2.97	3.70	86.47
American Indian or Alaskan	Native/1									
Live births	46,093	350	632	858	4,259	24,155	8,611	3,867	3,294	67
Infant deaths	383	130	25	17	51	97	21	16	22	3
Infant Mortality Rate	8.31	371.43	39.56	*	11.97	4.02	2.44	*	6.68	*
Asian or Pacific Islander										
Live births	272,803	1,411	2,546	3,376	20,347	156,375	54,751	21,400	12,431	166
Infant deaths	1,102	524	98	50	110	207	60	22	23	9
Infant Mortality Rate	4.04	371.37	38.49	14.81	5.41	1.32	1.10	1.03	1.85	*
Hispanic										
Live births	907,677	5,838	10,247	13,486	75,406	502,576	174,237	72,929	52,183	775
Infant deaths	4,589	2,075	346	185	473	990	249	126	108	36
Infant Mortality Rate	5.06	355.43	33.77	13.72	6.27	1.97	1.43	1.73	2.07	46.45

<sup>-/</sup> Quality Zero

<sup>\*/</sup> Figure does not meet standard of reliability or precision: based on fewer than 20 deaths in the numerator

<sup>1/</sup> Includes Aleuts and Eskimos

Documentation Table 4. Infant deaths and infant mortality rates by age of death for top 10 causes of infant death: United States, 2012 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]

		Total				
		Infant	Total	Early	Late	Post-
Cause of death and birthweight	Live Births	Deaths	Neonatal	Neonatal	Neonatal	Neonatal
All Causes	3,952,842	23,595	15,904	12,924	2,980	7,691
		596.91	402.34	326.95	75.39	194.57
Congenital malformations (Q00-Q99)		4,988	3,562	2,754	808	1,427
		126.19	90.11	69.67	20.44	36.10
Short gestation and low birthweight nec (P07)		4,219	4,123	4,008	115	95
		106.73	104.30	101.40	2.91	2.40
Maternal complications of pregnancy (P01)		1,516	1,509	1,498	11	7
		38.35	38.18	37.90	*	*
Sudden infant death syndrome (R95)		1,622	148	25	123	1,473
		41.03	3.74	0.63	3.11	37.26
Accidents (unintentional injures) (V01-X59)		1,112	115	30	84	998
		28.13	2.91	0.76	2.13	25.25
Complications of placenta, cord, membranes (P02)		1,016	1,002	976	26	14
		25.70	25.35	24.69	0.66	*
Bacterial sepsis of newborn (P36)		574	549	236	313	24
		14.52	13.89	5.97	7.92	0.61
Respiratory distress of newborn (P22)		505	491	405	86	14
		12.78	12.42	10.25	2.18	*
Diseases of the circulatory system (100-199)		482	107	65	42	375
		12.19	2.71	1.64	1.06	9.49
Neonatal hemorrhage (P50-P52, P54)		425	408	299	109	17
		10.75	10.32	7.56	2.76	*
All other causes		7,136	3,889	2,628	1,261	3,247
		180.53	98.38	66.48	31.90	82.14

<sup>\*/</sup>Figure does not meet standard of reliability or precision; based on fewer than 20 deaths in the numerator. / Quantity zero.