Linked Birth/Infant Death Data Set — 1995 Birth Cohort

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DSN:

CC36.NATAL.COHORT95.DENOM
CC36.NATAL.COHORT95.DENOM.PS
CC36.NATAL.COHORT95.LINK
CC36.NATAL.COHORT95.LINK.PS
CC36.NATAL.COHORT95.UNLINK
CC36.NATAL.COHORT95.UNLINK.PS
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Introduction

This documentation is for the 1995 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 1995 period linked file consists of all infant deaths occurring in 1995 linked to their corresponding birth certificates, whether the birth occurred in 1995 or 1994. The denominator file for this data set is the 1995 natality file, that is, all births occurring in 1995. Beginning in 1995, the period linked files form the basis for all official NCHS linked file statistics (except for special cohort studies).

Birth cohort data — The numerator of the 1995 birth cohort linked file consists of deaths to infants born in 1995 linked to their corresponding birth certificates, whether the death occurred in 1995 or 1996. The denominator file is the 1995 natality file, that is, all births occurring in 1995.

The release of linked file data in two different formats allows NCHS to meet customer demands for more timely linked file data while still meeting the needs of data users who prefer the birth cohort format. The birth cohort file for a particular data year will generally be available about one year after the release of the period file since it is necessary to wait until the close of the following data year to include all infant deaths to the birth cohort. For most general purposes, differences between the 1995 birth cohort and 1995 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 1995 birth cohort linked file includes several separate data files. The first file includes linked birth and death certificate data for all US infants born in 1995 who died before their first birthday - referred to as the numerator file. The second file contains information from the death certificate for all US infant death records which could not be linked to their corresponding birth certificates - referred to as the unlinked death file. The third file is the 1995 NCHS natality file for the US with a few minor modifications - referred to as the denominator-plus file. These same three data files are also available for Puerto Rico, the Virgin Islands, and Guam.

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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 61-cause recode), place of accident, and record weight. These variables are the most widely used variables from the numerator file. With the previous file format it was sometimes necessary to combine the numerator and denominator files when performing certain multivariate statistical techniques. Now, 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.

Weighting

In part to correct for known biases in the data, changes were made to the linked file beginning with the 1995 data year. These changes include the addition of a record weight and an imputation for not-stated birthweight. In the 1995 birth cohort linked file, 97.6% of infant death records were linked to their corresponding birth certificates. Overall, 2.4% of infant death records could not be linked because the matching birth certificate could not be found; however this percent varied considerably by State and other characteristics (see section on *Percent of records linked* below). Beginning with 1995 data, a record weight was added to the infant death records to correct in part for biases in percent of records linked by major characteristics. The number of infant deaths in the linked file are weighted to equal the sum of the linked plus unlinked infant deaths by age at death and state. The formula for computing the weights is as follows:

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

A separate weight is computed for each State of residence of birth and each age at death category (<1 day, 1-27 days, 28 days-1 year). Thus, weights are 1.0 for states which link all of their infant deaths. These weights have been added to all linked infant death records in the numerator file, and in the denominator-plus file. In the denominator-plus file, records for surviving infants have been assigned a weight of 1.0. This causes the denominator-plus file to weight up to about 700 more than the total number of live births (3.9 million), thus most runs on live birth data from the denominator-plus file should be run unweighted. Weights have not been computed for the Puerto Rico, Virgin Islands, and Guam files.

The addition of weighting to the file has greatly reduced bias, but has also created challenges for data analysis. The researcher should be aware that the use of the weights is appropriate for some, but not all applications. Weights should be used when computing the total number of infant deaths, or the number of infant deaths by characteristics, either from the numerator or the denominator-plus files. Weights should not be used when computing the total number of live

births, or the number of live births by characteristics from the denominator-plus file, as the use of weights under these circumstances will yield a slight overestimate of the total number of US births. For multivariate analysis, the use of weights is generally recommended, however, a decision should be made on an individual basis, depending on the type of multivariate technique used, and the goals of the particular analysis. We would appreciate your feedback on the design and utility of the weights - please call Marian MacDorman at (301) 436-8954 ext. 171.

Imputed birthweight

An imputation for not-stated birthweight has been added to the data set, to reduce potential bias in the computation of birthweight-specific infant mortality rates. Basically, if birthweight is not-stated and the period of gestation is known, birthweight is assigned the value from the previous record with the same period of gestation, race, sex, and plurality. Imputed values are flagged. The addition of this imputation has reduced the percent of not-stated responses for birthweight from 3.15% to 1.19% in the numerator file, and from 0.10% to 0.04% in the denominator-plus file, thus reducing (but not eliminating) the potential for underestimation when computing birthweight-specific infant mortality rates.

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.

Virtually all 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.

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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 returned to the States where the death occurred computer lists of unlinked infant death certificates for 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 Technical Appendices and Addenda included in this document.

Characteristics of Unlinked File

For the 1995 birth cohort linked file 708, or 2.4% of all infant death records could not be linked to their corresponding birth certificates. Unlinked records are included in a separate data file in this data set. The unlinked record file uses the same record layout as the numerator file of linked birth and infant death records. However, except as noted below, tape locations 1-210, reserved for information from the matching birth certificate, are blank since no matching birth certificate could be found for these records. The sex field (tape location 79) contains the sex of infant as reported on the death certificate, rather than the sex of infant from the birth certificate, which is not available. The race field (tape location 36-37) contains the race of the decedent as reported on the death certificate rather than the race of mother as reported on the birth certificate as is the case with the linked record file. The race of mother on the birth certificate is generally considered to be more accurate than the race information from the death certificate (see section on *Comparison of race data from birth and death certificates* in the Mortality Technical Appendix included in this documentation). Also, date of birth as reported on the death certificate is used to generate age at death. This information is used in place of date of birth from the birth certificate, which is not available.

Documentation table 6 shows counts of unlinked records by race and age at death for each State of residence. The user is cautioned in using table 6 that the race and residence items are based on information reported on the death certificate; whereas, tables 1-5 present data from the linked file in which the race and residence items are based on information reported on the birth certificate. (see section on *Comparison of race data from birth and death certificates* in the Mortality Technical Appendix included in this documentation).

Percent of Records Linked

Linked Birth/Infant Death Data Set — 1995 Birth Cohort

The 1995 birth cohort linked file includes 28,607 linked infant death records and 708 unlinked infant death records by place of occurrence. 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 29,315. While the overall percent linked for infant deaths in the 1995 birth cohort linked file is 97.6%, there are differences in percent linked by certain variables. These differences have important implications for how the data is analyzed.

Table 1 shows the percent of infant deaths linked by State of residence. While most States link a high percentage of infant deaths, linkage rates for some States are well below the national average. Note in particular the percent linked for California (94.7%), Ohio (92.0%) and Oklahoma (86.7%). When a high percentage of deaths remain unlinked, infant mortality rates computed for these States are underestimated. It is for this reason that weights were added to the 1995 birth cohort file to correct for biases in the data due to poor data linkage for particular states.

The percent of infant deaths linked by race and age at death is shown in Table 2. In general, a higher percentage of postneonatal (98.3%) than neonatal (97.2%) deaths were linked. The percent of records linked was similar for white (97.6%) and for black (97.5%) infants. Variations in percent linked by underlying cause of death have also been noted (data not shown). While the weighting protocol has been designed to correct for possible bias due to variations in match rates by characteristics, no statistical method can correct perfectly for data limitations. Therefore, variations in the percent of records linked should be taken into consideration when comparing infant mortality rates by detailed characteristics.

Geographic classification

Geographic codes in this data set have been updated to reflect the results of the 1990 census, and differ slightly from those used in previous linked files. Because of confidentiality concerns, only those counties and cities with a population size of 250,000 or more are separately identified in this data set. Users should refer to the geographic code outline in this document for the list of available areas and codes.

For events to be included in the linked file, both the birth and death must occur inside the 50 States and D.C. in the case of the 50 States and D.C. file; or in Puerto Rico, the Virgin Islands or Guam in the case of the Puerto Rico, Virgin Islands and Guam file. In tabulations of linked data and denominator data events occurring in each of the respective areas to nonresidents are included in tabulations that are by place of occurrence, and excluded from tabulations by place of residence. These exclusions are based on the usual place of residence of the mother. This item is contained in both the denominator file and the birth section of the numerator (linked) file. Nonresidents are identified by a code 4 in location 11 of these files.

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Table 1. Percent of infant deaths linked by state of residence of birth: United States, 1995 birth cohort

United States	97.6%	Nebraska	100.0%
Alabama	100.0%	Nevada	96.6%
Alaska	98.8%	New Hampshire	98.7%
Arizona	98.2%	New Jersey	95.8%
Arkansas	99.7%	New Mexico	96.4%
California	94.7%	Upstate New York	98.0%
Colorado	99.7%	New York City	98.6%
Connecticut	99.7%	North Carolina	98.3%
Delaware	100.0%	North Dakota	100.0%
District of Columbia	99.3%	Ohio	92.0%
Florida	99.8%	Oklahoma	86.7%
Georgia	99.7%	Oregon	99.2%
Hawaii	98.1%	Pennsylvania	98.4%
Idaho	100.0%	Rhode Island	98.9%
Illinois	98.0%	South Carolina	99.0%
Indiana	97.6%	South Dakota	98.9%
Iowa	98.3%	Tennessee	100.0%
Kansas	98.4%	Texas	98.7%
Kentucky	97.3%	Utah	98.1%
Louisiana	97.0%	Vermont	100.0%
Maine	97.6%	Virginia	96.8%
Maryland	99.2%	Washington	97.8%
Massachusetts	97.1%	West Virginia	98.2%
Michigan	97.4%	Wisconsin	99.8%
Minnesota	99.8%	Wyoming	95.2%
Mississippi	99.8%	Puerto Rico	99.5%
Missouri	99.2%	Virgin Islands	84.4%
Montana	100.0%	Guam	100.0%

Table 2. Percent of resident infant deaths linked by race and age at death: United States, 1995 birth cohort (Infant deaths are under 1 year; neonatal, under 28 days, and postneonatal, 28 days-under 1 year)

	All races	White	Black
Infant	97.6%	97.6%	97.5%
Neonatal	97.2%	97.4%	96.9%
Postneonatal	98.3%	98.1%	98.6%

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<u>Demographic and Medical Classification</u>

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. While not absolutely essential to the proper interpretation of the data for a number of general applications, these documents should nevertheless be studied carefully prior to any detailed analysis of demographic or medical (especially multiple cause) data variables. In particular, there are a number of exceptions to the ICD rules in multiple cause-of-death coding which, if not treated properly, may result in faulty analysis of the data.

A.   Manual of the International Statistical Classification of Diseases, Injuries, and the Cause-of-Death, Ninth Revision (ICD-9) Volumes 1 and 2.

B.   NCHS Instruction Manual Data Preparation Part 2a, Vital Statistics Instructions for Classifying the Underlying Cause-of-Death. Published annually.

C.   NCHS Instruction Manual Data Preparation, Part 2b, Vital Statistics Instructions for Classifying Multiple Cause-of-Death. Published annually.

D.   NCHS Instruction Manual Data Preparation, Part 2c, Vital Statistics ICD-9 ACME Decision Tables for Classifying Underlying Causes-of-Death. Published annually.

E.   NCHS Instruction Manual Data Preparation, Part 2d, Vital Statistics NCHS Procedures for Mortality Medical Data System File Preparation and Maintenance, Effective 1985.

F.   NCHS Instruction Manual Data Tabulation, Part 2f, Vital Statistics ICD-9 TRANSAX Disease Reference Tables for Classifying Multiple Causes-of-Death, 1982-85.

G.   NCHS Instruction Manual Part 2g, Vital Statistics, Data Entry Instructions for the Mortality Medical Indexing, Classification, and Retrieval system (MICAR). Published annually.

H.   NCHS Instruction Manual Part 2h, Vital Statistics, Dictionary of Valid Terms for the Mortality Medical Indexing, Classification, and Retrieval System (MICAR). Published annually.

I.   NCHS Instruction Manual Data Preparation, Part 3a, Vital Statistics Classification and Coding Instructions for Live Birth Records. Published annually.

J.   NCHS Instruction Manual Data Preparation, Part 4, Vital Statistics Demographic Classification and Coding Instructions for Death Records. Published annually.

K.   NCHS Instruction Manual Tabulation, Part 11, Vital Statistics Computer Edits for
        Mortality Data, Effective 1990.

Copies of NCHS Instruction Manuals may be requested from the Chief, Data Preparation
Branch, Division of Data Processing, National Center for Health Statistics, P.O. Box 12214,
Research Triangle Park, North Carolina 27709.

In addition, the user should refer to the Technical Appendices of the <u>Vital Statistics of the United
States</u> for information on the source of data, coding procedures, quality of the data, etc. The
Technical Appendices for natality and mortality are part of this documentation package.

<u>Cause-of-Death Data</u>

Mortality data are traditionally analyzed and published in terms of underlying cause-of-death.
The underlying cause-of-death data are coded and classified as described in the Mortality
Technical Appendices. NCHS has augmented underlying cause-of-death data with data on
multiple causes reported on the death certificate. The linked file includes both underlying and
multiple cause-of-death data.

The multiple cause of death codes were developed with two objectives in mind. First, to
facilitate etiological studies of the relationships among conditions, it was necessary to reflect
accurately in coded form each condition and its location on the death certificate in the exact
manner given by the certifier. Secondly, coding needed to be carried out in a manner by which
the underlying cause of death could be assigned through computer applications. The approach
was to suspend the linkage provisions of the ICD for the purpose of condition coding and code
each entity with minimum regard to other conditions present on the certification. This general
approach is hereafter called entity coding.

Unfortunately, the set of multiple cause codes produced by entity coding is not conducive to a
third objective -- 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
certificate and modified or linked to such conditions as provided by ICD-9. By definition, the
entity data cannot meet this requirement since the linkage provisions distort the character and
placement of the information originally recorded by the certifying physician.

Since the two objectives are incompatible, NCHS has chosen to create from the original set of
entity codes a new code set called record axis multiple cause data. Essentially, the axis of
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.

This translation is accomplished by a computer system called TRANSAX (translation of axis) through selective use of traditional linkage and modification rules for mortality coding. Underlying cause linkages which simply prefer one code over another for purposes of underlying cause selection are not included. Each entity code on the record is examined and modified or deleted as necessary to create a set of codes which are free of contradictions and are the most precise within the constraints of ICD-9 and medical information on the record. Repetitive codes are deleted. The process may (1) combine two entity axis categories together to a new category thereby eliminating a contradiction or standardizing the data; or (2) eliminate one category in favor of another to promote specificity of the data or resolve contradictions. The following examples from ICD-9 illustrate the effect of this translation:

Case 1:   When reported on the same record as separate entities, cirrhosis of liver and alcoholism are coded to 5715 (cirrhosis of liver without mention of alcohol) and 303 (alcohol dependence syndrome). Tabulation of records with 5715 would on the surface falsely imply that such records had no mention of alcohol. A preferable
codification would be 5712 (alcoholic cirrhosis of liver) in lieu of both 5715 and 303.

Case 2:   If "gastric ulcer" and "bleeding gastric ulcer" are reported on a record they are coded to 5319 (gastric ulcer, unspecified as acute or chronic, without mention of hemorrhage or perforation) and 5314 (gastric ulcer, chronic or unspecified, with hemorrhage). A more concise codification would be to code 5314 only since the 5314 shows both the gastric ulcer and the bleeding.

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 tape. The following paragraphs describe the format and application of entity axis data.

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 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 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-9 cause code.

4. Nature of injury flag: ICD-9 uses the same series of numbers (800-999) to indicate
                                   nature of injury (N codes) and external cause codes (E codes). This
                                   flag distinguishes between the two with a one (1) representing
                                   nature of injury codes and a zero (0) representing all other cause
                                   codes.

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.

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

Entity axis applications — The entity axis multiple cause data is appropriate to analyses which
require that each condition be coded as a stand alone entity without linkage to other conditions
and/or require information on the placement of such conditions in the certificate.   Within this
framework, the entity data are appropriate to the examination of etiological relationships among
conditions, accuracy of certification reporting, and the validity of traditional assumptions in
underlying cause selection.

Additionally, the entity data provide in certain categories a more detailed code assignment which
is linked out in the creation of record axis data. Where such detail is needed for a study, the user
should selectively employ entity data. Finally, the researcher may not wish to be bound by the
assumptions used in the axis translation process preferring rather to investigate hypotheses of his
own predilection.

By definition, the main limitation of entity axis data is that an entity code 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 5750 is titled "Acute cholecystitis without

mention of calculus". Within the framework of entity codes this is interpreted to mean that the codable entity itself contained no mention of calculus rather than that calculus was not mentioned anywhere on the record. Tabulation of records with a "5750" as a count of persons having acute cholecystitis without mention of calculus would therefore be erroneous. This illustrates the fact that under entity coding the ICD-9 titles cannot be taken literally. The user must study the rules for entity coding as they relate to his/her research prior to utilization of entity data. The user is further cautioned that the inclusion notes in ICD-9 which relate to modifying and combining categories are seldom applicable to entity coding (except where provided in Part 2b of the Vital Statistics Instruction Manual Series).

In tabulating the entity axis data, one may count codes with the resultant tabulation of an individual code representing the number of times the disease(s) represented by the code appears in the file. In this kind of tabulation of morbid condition prevalence, 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 Vital Statistics Instruction Manual Series describes the TRANSAX process for creating record axis data from entity axis data.

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

1. Cause category: The first four bytes represent the ICD-9 cause code.

2. Nature of injury flag: The last byte contains a 0 or 1 with the 1 indicating that the cause is a nature of injury category.

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.

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

Record axis applications — The record axis multiple cause data set is the basis for NCHS core multiple cause tabulations. Location of codes is not relevant to this data set 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-9 category. This is in contrast to the entity code which is assigned each time such a disease is reported on two different lines of the certification. Secondly, the linkage implies that within the constraints of ICD-9 the most meaningful code has been assigned. The translation process creates for the user a data set which 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. Likewise, they are comparable to general morbidity coding where the linkage provisions of ICD-9 are usually utilized. 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-9 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-9 are utilized. (See Part 2f of the Vital Statistics Instruction Manual Series.)

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 which combine individual cause categories must take into account the possible interaction of up to 20 codes on a single certificate.

In using the NCHS multiple cause data, the user is urged to review the information in this document and its references. The instructional material does change from year to year and revision to revision. The user is cautioned that coding of specific ICD-9 categories should be checked in the appropriate instruction manual. What may appear on the surface to be the correct code by ICD-9 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 Part 2f of the Vital Statistics Instruction Manual Series 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 assumptions of axis translation. In certain situations, a combination of entity and record axis data may be the more appropriate alternative.

Linked Birth/Infant Death Data Set - 1996 Period Data
List of Data Elements and Locations

Data Items	Denominator Plus File	Numerator File Birth	Death	Unlinked File
1. General				
a. Year of birth	7-10	7-10	--	--
b. Year of death	--	--	524-527	524-527
c. Resident status	11	11	505	505
d. Record weight	223-230	--	223-230	--
e. Flag for records included in both numerator and denominator	210	--	--	--
2. Occurrence				
a. FIPS state	14-15	14-15	508-509	508-509
b. FIPS county	16-18	16-18	510-512	510-512
3. Residence				
a. FIPS state	19-20	19-20	513-514	513-514
b. FIPS county	21-23	21-23	515-517	515-517
c. FIPS place	24-28	24-28	518-522	518-522
d. NCHS state	12-13	12-13	506-507	506-507
4. Infant				
a. Age	--	--	211-214	211-214+
b. Race	--	--	--	35-38*
c. Sex	78-79	78-79	--	78-79*
d. Gestation	70-77	70-77	--	--
e. Birthweight	80-87	80-87	--	--
f. Plurality	88-89	88-89	--	--
g. Apgar score	90-91	90-91	--	--
h. Day of week of birth/death	209	209	532	532
i. Month of birth/death	205-206	205-206	528-529	528-529
5. Mother				
a. Age	29-32	29-32	--	--
b. Race	35-38	35-38	--	--
c. Education	39-41	39-41	--	--
d. Marital status	42-43	42-43	--	--
e. Place of birth	44-46	44-46	--	--
f. Hispanic origin	33-34	33-34	--	--
6. Father				
a. Age	60-62	60-62	--	--
b. Race	65-66	65-66	--	--
c. Hispanic origin	63-64	63-64	--	--

Data Items	Denominator Plus File	Numerator File Birth	Death	Unlinked File
7. Pregnancy items				
a. Month prenatal care began	51-53	51-53	--	--
b. Number of prenatal visits	54-55	54-55	--	--
c. Adequacy of care recode	56	56	--	--
d. Total birth order	47-48	47-48	--	--
e. Live birth order	49-50	49-50	--	--
8. Medical and Health Data				
a. Method of delivery	92-99	92-99	--	--
b. Medical risk factors	100-117	100-117	--	--
c. Other risk factors				
Tobacco	118-121	118-121	--	--
Alcohol	122-125	122-125	--	--
Weight gain during pregnancy	126-128	126-128	--	--
d. Obstetric procedures	129-136	129-136	--	--
e. Complications of labor and/or delivery	137-153	137-153	--	--
f. Abnormal conditions of the newborn	154-163	154-163	--	--
g. Congenital anomalies	164-186	164-186	--	--
h. Underlying cause of death			216-219	216-219
i. 61 Infant cause recode			220-222	220-222
j. Multiple conditions			261-504	261-504
9. Other items				
a. Place of delivery	67	67	--	--
b. Attendant at birth	68	68	--	--
c. Hospital and patient status	--	--	523	523
e. Place of accident	--	--	215	215
f. Residence reporting flags	187-203	187-203	--	--

+ For the unlinked file, date of birth as reported on the death certificate is used to generate age at death. See section on Changes Beginning with the 1995 Data Year for explanation.

* For the unlinked file, these items are from the death certificate. See section on Changes Beginning with the 1995 Data Year for explanation.

Item Location	Item Length	Variable Name, Item and Code Outline

1   **1**   **MATCHS**
Match Status

1	...	Matched Birth/Infant Death Record
2	...	Surviving infant record
3	...	Unmatched infant death record
		Note: This code is used in the unlinked file only.

2- 6   **5**   **IDNUMBER**
Infant Death Number

This number uniquely identifies the same infant in the numerator and denominator-plus files.

Locations 7-210 of the linked file contain data from the Birth Certificate.
Locations 211-222, 261-535 of linked file contain data from the Death Certificate.

Residence items in the Denominator Record and in the natality section of the Numerator (linked) Record refer to the usual place of residence of the <u>Mother</u>; whereas in the mortality section of the Numerator (Linked) Record, these items refer to the residence of the <u>Decedent</u>.

7-10   **4**   **BIRYR**
Year of Birth

| 1995 | ... | Born in 1995 |

11   **1**   **RESSTATB**
Resident Status - Birth

United States Occurrence

1	...	RESIDENTS: State and county of occurrence and residence are the same.
2	...	INTRASTATE NONRESIDENTS: State of occurrence and residence are the same, but county is different.
3	...	INTERSTATE NONRESIDENTS: State of occurrence and residence are different, but both are in the 50 States and D.C.
4	...	FOREIGN RESIDENTS: State of occurrence is one of the 50 States or the District of Columbia, but place of residence of mother is outside of the 50 States and D.C.

Puerto Rico Occurrence

1	...	RESIDENTS: State and county of occurrence and residence are the same.
2	...	INTRASTATE NONRESIDENTS: State of occurrence and residence are the same, but county is different.
4	...	FOREIGN RESIDENTS: Occurred in Puerto Rico to a resident of any other place.

1995
Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
11	1	**Virgin Islands Occurrence**

    1   ...   RESIDENTS: State and county of occurrence and residence are the same.

    2   ...   INTRASTATE NONRESIDENTS: State of occurrence and residence are the same, but county is different.

    4   ...   FOREIGN RESIDENTS: Occurred in the Virgin Islands to a resident of any other place.

Guam Occurrence

    1   ...   RESIDENTS: Occurred in Guam to a resident of Guam or to a resident of the U.S.

    4   ...   FOREIGN RESIDENTS: Occurred in Guam to a resident of any place other than Guam or the U.S.

Item Location	Item Length	Variable Name, Item and Code Outline
12-13	2	**BRSTATE** **Expanded State of Residence - NCHS Codes - Birth**

This item is designed to separately identify New York City records from other New York State records.

United States Occurrence

01	...	Alabama
02	...	Alaska
03	...	Arizona
04	...	Arkansas
05	...	California
06	...	Colorado
07	...	Connecticut
08	...	Delaware
09	...	District of Columbia
10	...	Florida
11	...	Georgia
12	...	Hawaii
13	...	Idaho
14	...	Illinois
15	...	Indiana
16	...	Iowa
17	...	Kansas
18	...	Kentucky
19	...	Louisiana
20	...	Maine
21	...	Maryland
22	...	Massachusetts
23	...	Michigan
24	...	Minnesota
25	...	Mississippi
26	...	Missouri

1995
Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
12-13	2	**BRSTATE** **Expanded State of Residence - NCHS Codes - Birth (Cond't)**

This item is designed to separately identify New York City records from other New York State records.

United States Occurrence

27	...	Montana
28	...	Nebraska
29	...	Nevada
30	...	New Hampshire
31	...	New Jersey
32	...	New Mexico
33	...	New York
34	...	New York City
35	...	North Carolina
36	...	North Dakota
37	...	Ohio
38	...	Oklahoma
39	...	Oregon
40	...	Pennsylvania
41	...	Rhode Island
42	...	South Carolina
43	...	South Dakota
44	...	Tennessee
45	...	Texas
46	...	Utah
47	...	Vermont
48	...	Virginia
49	...	Washington
50	...	West Virginia
51	...	Wisconsin
52	...	Wyoming
53-58,60	...	Foreign Residents
53	...	Puerto Rico
54	...	Virgin Islands
55	...	Guam
56	...	Canada
57	...	Cuba
58	...	Mexico
60	...	Remainder of the World

Puerto Rico Occurrence

53	...	Puerto Rico
01-52,54-58,60	...	Foreign Residents: Refer to U.S. for specific code structure.

Virgin Islands Occurrence

54	...	Virgin Islands
01-53,55-58,60	...	Foreign Residents: Refer to U.S. for specific code structure.

Item Location	Item Length	Variable Name, Item and Code Outline
12-13	2	**BRSTATE** **Expanded State of Residence - NCHS Codes - Birth (Cond't)**

This item is designed to separately identify New York City records from other New York State records.

Guam Occurrence

55	...	Guam
01-52	...	U.S. resident is also considered a resident of Guam.
53,54,58,60	...	Foreign Residents: Refer to U.S. for specific code structure.

Item Location	Item Length	
14-18	5	**FIPSOCCB** **Federal Information Processing Standards** **(FIPS) Geographic Codes (Occurrence) - Birth**

Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes. For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications.

Item Location	Item Length	
14-15	2	**STOCCFIPB** **State of Occurrence (FIPS) - Birth**

United States

01	...	Alabama
02	...	Alaska
04	...	Arizona
05	...	Arkansas
06	...	California
08	...	Colorado
09	...	Connecticut
10	...	Delaware
11	...	District of Columbia
12	...	Florida
13	...	Georgia
15	...	Hawaii
16	...	Idaho
17	...	Illinois
18	...	Indiana
19	...	Iowa
20	...	Kansas
21	...	Kentucky
22	...	Louisiana
23	...	Maine
24	...	Maryland
25	...	Massachusetts
26	...	Michigan
27	...	Minnesota
28	...	Mississippi
29	...	Missouri
30	...	Montana
31	...	Nebraska

32	...	Nevada

Item Location	Item Length	Variable Name, Item and Code Outline
14-15	2	**STOCCFIPB** **State of Occurrence (FIPS) - Birth (Cond't)**

United States

33	...	New Hampshire
34	...	New Jersey
35	...	New Mexico
36	...	New York
37	...	North Carolina
38	...	North Dakota
39	...	Ohio
40	...	Oklahoma
41	...	Oregon
42	...	Pennsylvania
44	...	Rhode Island
45	...	South Carolina
46	...	South Dakota
47	...	Tennessee
48	...	Texas
49	...	Utah
50	...	Vermont
51	...	Virginia
53	...	Washington
54	...	West Virginia
55	...	Wisconsin
56	...	Wyoming

Puerto Rico

72	...	Puerto Rico

Virgin Islands

78	...	Virgin Islands

Guam

66	...	Guam

Item Location	Item Length	Variable Name, Item and Code Outline
16-18	3	**CNTOCFIPB** **County of Occurrence (FIPS) - Birth**

001-nnn	...	Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State. (Note: To uniquely identify a county, both the State and county codes must be used.)
999	...	County with less than 250,000 population

Item Location	Item Length	Variable Name, Item and Code Outline
19-23	5	**FIPSRESB** **Federal Information Processing Standards (FIPS) Geographic Codes (Residence) - Birth**

Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes. For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications.

| 19-20 | 2 | **STRESFIPB** **State of Residence (FIPS) - Birth** |

United States Occurrence

00	...	Foreign residents
01	...	Alabama
02	...	Alaska
04	...	Arizona
05	...	Arkansas
06	...	California
08	...	Colorado
09	...	Connecticut
10	...	Delaware
11	...	District of Columbia
12	...	Florida
13	...	Georgia
15	...	Hawaii
16	...	Idaho
17	...	Illinois
18	...	Indiana
19	...	Iowa
20	...	Kansas
21	...	Kentucky
22	...	Louisiana
23	...	Maine
24	...	Maryland
25	...	Massachusetts
26	...	Michigan
27	...	Minnesota
28	...	Mississippi
29	...	Missouri
30	...	Montana
31	...	Nebraska
32	...	Nevada
33	...	New Hampshire
34	...	New Jersey
35	...	New Mexico
36	...	New York
37	...	North Carolina
38	...	North Dakota
39	...	Ohio
40	...	Oklahoma
41	...	Oregon

42	...	Pennsylvania
44	...	Rhode Island

1995
Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline	
19-20	2	**STRESFIPB** **State of Residence (FIPS) - Birth Cond't)**	

United States Occurrence

45	...	South Carolina
46	...	South Dakota
47	...	Tennessee
48	...	Texas
49	...	Utah
50	...	Vermont
51	...	Virginia
53	...	Washington
54	...	West Virginia
55	...	Wisconsin
56	...	Wyoming

Puerto Rico Occurrence

00-56,66,78	...	Foreign Residents: Refer to U.S. for specific code structure
72	...	Puerto Rico

Virgin Islands Occurrence

00-56,66,72	...	Foreign Residents: Refer to U.S. for specific code structure
78	...	Virgin Islands

Guam Occurrence

00,72,78	...	Foreign Residents: Refer to U.S. for specific code structure
01-56	...	U.S. Resident is also considered a resident of Guam. Refer to U.S. for specific code structure
66	...	Guam

Item Location	Item Length	Variable Name, Item and Code Outline	
21-23	3	**CNTYRFPB** **County of Residence (FIPS) - Birth**	

000	...	Foreign residents
001-nnn	...	Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State (Note: To uniquely identify a county, both the State and county codes must be used.)
999	...	County with less than 250,000 population

Item Location	Item Length	Variable Name, Item and Code Outline	
24-28	5	**PLRES** **Place (City) of Residence (FIPS)**	

A complete list of cities is shown in the Geographic Code Outline further back in this document.

00000	...	Foreign residents

00001-nnnnn	...	Code range
99999	...	Balance of county; or city less than 250,000 population

Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
29	1	**MAGEFLG** **Age of Mother Flag**

This position is flagged whenever age is imputed or the mother's reported age is used. The reported age is used, if valid, when computed age derived from the date of birth is not available or when it is outside the 10-49 code range.

Blank	...	Not imputed and reported age is not used
1	...	Reported age is used
2	...	Age is imputed

Item Location	Item Length	Variable Name, Item and Code Outline
30-31	2	**DMAGE** **Age of Mother**

This item is: a) computed using dates of birth of mother and of delivery; b) reported; or c) imputed. This is the age item used in NCHS publications.

10-49	...	Age in single years

Item Location	Item Length	Variable Name, Item and Code Outline
32	1	**MAGER8** **Age of Mother Recode 8**

1	...	Under 15 years
2	...	15 - 19 years
3	...	20 - 24 years
4	...	25 - 29 years
5	...	30 - 34 years
6	...	35 - 39 years
7	...	40 - 44 years
8	...	45 - 49 years

Item Location	Item Length	Variable Name, Item and Code Outline
33	1	**ORMOTH** **Hispanic Origin of Mother**

Hispanic origin is reported for all areas except Puerto Rico.

0	...	Non-Hispanic
1	...	Mexican
2	...	Puerto Rican
3	...	Cuban
4	...	Central or South American
5	...	Other and unknown Hispanic
9	...	Origin unknown or not stated

Item Location	Item Length	Variable Name, Item and Code Outline
34	1	**ORRACEM** **Hispanic Origin and Race of Mother Recode**

Hispanic origin is reported for all areas except Puerto Rico.

1	...	Mexican
2	...	Puerto Rican
3	...	Cuban
4	...	Central or South American
5	...	Other and unknown Hispanic
6	...	Non-Hispanic White
7	...	Non-Hispanic Black
8	...	Non-Hispanic other races
9	...	Origin unknown or not stated

Item Location	Item Length	Variable Name, Item and Code Outline
35	1	**MRACEIMP** **Race of Mother Imputation Flag**

Blank	...	Race is not imputed
1	...	Race is imputed
2	...	All other races, formerly code 09, is imputed

Item Location	Item Length	Variable Name, Item and Code Outline
36-37	2	**MRACE** **Race of Mother - Birth Record or for Unlinked Records Race of Decedent from Death Record**

Beginning with 1992 data, some areas started reporting additional Asian or Pacific Islander codes for race. Codes 18-68 replace old code 08 for these areas. Code 78 replaces old code 08 for all other areas. For consistency with Census race code 09 (all other races) used prior to 1992 has been imputed.

United States Occurrence

01	...	White
02	...	Black
03	...	American Indian (includes Aleuts and Eskimos)
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 codes 18-68 for areas that do not report them separately

Item Location	Item Length	Variable Name, Item and Code Outline
36-37	2	**MRACE** **Race of Mother - Birth Record or for Unlinked Records Race of Decedent from Death Record (Cond't)**

Puerto Rico Occurrence

00	...	Other races
01	...	White
02	...	Black

Virgin Islands Occurrence

01	...	White
02	...	Black
03	...	American Indian (includes Aleuts and Eskimos)
04	...	Chinese
05	...	Japanese
06	...	Hawaiian (includes part-Hawaiian)
07	...	Filipino
08	...	Other Asian or Pacific Islander

Guam Occurrence

01	...	White
02	...	Black
03	...	American Indian (includes Aleuts and Eskimos)
04	...	Chinese
05	...	Japanese
06	...	Hawaiian (includes part-Hawaiian)
07	...	Filipino
08	...	Other Asian or Pacific Islander
58	...	Guamanian

Item Location	Item Length	Variable Name, Item and Code Outline
38	1	**MRACE3** **Race of Mother Recode**

1	...	White
2	...	Races other than White or Black
3	...	Black

1995
Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
39-40	2	**DMEDUC** **Education of Mother Detail**

All areas report education of mother.

00	...	No formal education
01-08	...	Years of elementary school
09	...	1 year of high school
10	...	2 years of high school
11	...	3 years of high school
12	...	4 years of high school
13	...	1 year of college
14	...	2 years of college
15	...	3 years of college
16	...	4 years of college
17	...	5 or more years of college
99	...	Not stated

Item Location	Item Length	Variable Name
41	1	**MEDUC6** **Education of Mother Recode**

1	...	0 - 8 years
2	...	9 - 11 years
3	...	12 years
4	...	13 - 15 years
5	...	16 years and over
6	...	Not stated

Item Location	Item Length	Variable Name
42	1	**DMARIMP** **Marital Status of Mother Imputation Flag**

Blank	...	Marital status is not imputed
1	...	Marital status is imputed

Item Location	Item Length	Variable Name
43	1	**DMAR** **Marital Status of Mother**

Marital status is not reported by all areas. See reporting flags.

United States/Virgin Islands/Guam Occurrence

1	...	Married
2	...	Unmarried
9	...	Unknown or not stated

Puerto Rico Occurrence

1	...	Married
2	...	Unmarried parents living together
3	...	Unmarried parents not living together
9	...	Unknown or not stated

1995
Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
44-45	2	**MPLBIR** **Place of Birth of Mother**

01	...	Alabama
02	...	Alaska
03	...	Arizona
04	...	Arkansas
05	...	California
06	...	Colorado
07	...	Connecticut
08	...	Delaware
09	...	District of Columbia
10	...	Florida
11	...	Georgia
12	...	Hawaii
13	...	Idaho
14	...	Illinois
15	...	Indiana
16	...	Iowa
17	...	Kansas
18	...	Kentucky
19	...	Louisiana
20	...	Maine
21	...	Maryland
22	...	Massachusetts
23	...	Michigan
24	...	Minnesota
25	...	Mississippi
26	...	Missouri
27	...	Montana
28	...	Nebraska
29	...	Nevada
30	...	New Hampshire
31	...	New Jersey
32	...	New Mexico
33	...	New York
34	...	North Carolina
35	...	North Dakota
36	...	Ohio
37	...	Oklahoma
38	...	Oregon
39	...	Pennsylvania
40	...	Rhode Island
41	...	South Carolina
42	...	South Dakota
43	...	Tennessee
44	...	Texas
45	...	Utah
46	...	Vermont
47	...	Virginia

48	...	Washington
49	...	West Virginia

1995
Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline

44-45   2

MPLBIR
Place of Birth of Mother (Cond't)

50	...	Wisconsin
51	...	Wyoming
52	...	Puerto Rico
53	...	Virgin Islands
54	...	Guam
55	...	Canada
56	...	Cuba
57	...	Mexico
59	...	Remainder of the World
99	...	Not Classifiable

46   1

MPLBIRR
Place of Birth of Mother Recode

United States Occurrence
1	...	Born in the 50 States and D.C.
2	...	Born outside the 50 States and DC
3	...	Unknown or not stated

Puerto Rico/Virgin Island/ Guam Occurrence
Blank	...	This item not recorded

47-48   2

DTOTORD
Detail Total Birth Order

Sum of live birth order and other terminations of pregnancy. If either item is unknown, this item is made unknown.

01-40	...	Total number of live births and other terminations of pregnancy
99	...	Unknown

49-50   2

DLIVORD
Detail Live Birth Order

Sum of live births now living and now dead plus one. If either item is unknown, this item is made unknown.

00-31	...	Number of children born alive to mother
99	...	Unknown

1995
Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
51-52	2	**MONPRE**

Detail Month of Pregnancy Prenatal Care Began

00	...	No prenatal care
01	...	1st month
02	...	2nd month
03	...	3rd month
04	...	4th month
05	...	5th month
06	...	6th month
07	...	7th month
08	...	8th month
09	...	9th month
99	...	Unknown or not stated

Item Location	Item Length	
53	1	**MPRE5**

Month Prenatal Care Began Recode 5

1	...	1st Trimester (1st-3rd month)
2	...	2nd Trimester (4th-6th month)
3	...	3rd Trimester (7th-9th month)
4	...	No prenatal care
5	...	Unknown or not stated

Item Location	Item Length	
54-55	2	**NPREVIST**

Total Number of Prenatal Visits

00	...	No prenatal visits
01-48	...	Stated number of visits
49	...	49 or more visits
99	...	Unknown or not stated

Item Location	Item Length	
56	1	**ADEQUACY**

Adequacy of Care Recode (Kessner Index)

This code is based on a modified Kessner criterion. Month Prenatal Care Began, Number of Prenatal Visits, and Gestation are the items used to generate this recode.

1	...	Adequate
2	...	Intermediate
3	...	Inadequate
4	...	Unknown

Item Location	Item Length	
57-59	3	**R1**

Reserved Positions

Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
60	1	**FAGERFLG** **Reported Age of Father Used Flag**

This position is flagged whenever the Father's reported age in years is used. The reported age is used, if valid, when age derived from date of birth is not available or when it is less than 10.

Blank	...	Reported age is not used
1	...	Reported age is used

Item Location	Item Length	Variable Name, Item and Code Outline
61-62	2	**DFAGE** **Age of Father**

This item is either computed from date of birth of father and of child or is the reported age. This is the age item used in NCHS publications.

10-98	...	Age in single years
99	...	Unknown or not stated

Item Location	Item Length	Variable Name, Item and Code Outline
63	1	**ORFATH** **Hispanic Origin of Father**

Hispanic origin is reported for all areas except Puerto Rico.

0	...	Non-Hispanic
1	...	Mexican
2	...	Puerto Rican
3	...	Cuban
4	...	Central or South American
5	...	Other and unknown Hispanic
9	...	Origin unknown or not stated

Item Location	Item Length	Variable Name, Item and Code Outline
64	1	**ORRACEF** **Hispanic Origin and Race of Father Recode**

Hispanic origin is reported for all areas except Puerto Rico.

1	...	Mexican
2	...	Puerto Rican
3	...	Cuban
4	...	Central or South American
5	...	Other and unknown Hispanic
6	...	Non-Hispanic White
7	...	Non-Hispanic Black
8	...	Non-Hispanic other or unknown race
9	...	Origin unknown or not stated

1995
Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
65-66	2	**FRACE** **Race of Father**

Beginning with 1992 data, some areas started reporting additional Asian or Pacific Islander codes for race. See reporting flags. Codes 18 -68 replace old code 08 for these areas. Code 78 replaces old code 08 for all other areas. Code 09 (all other races) has been changed to 99.

United States Occurrence

01	...	White
02	...	Black
03	...	American Indian (includes Aleuts and Eskimos)
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 codes 18-68 for areas that do not report them separately
99	...	Unknown or not stated

Puerto Rico Occurrence

00	...	Other races
01	...	White
02	...	Black
99	...	Unknown or not stated

Virgin Islands Occurrence

01	...	White
02	...	Black
03	...	American Indian (includes Aleuts and Eskimos)
04	...	Chinese
05	...	Japanese
06	...	Hawaiian (includes part-Hawaiian)
07	...	Filipino
08	...	Other Asian or Pacific Islander
99	...	Unknown or not stated

Item Location	Item Length	Variable Name, Item and Code Outline

65-66　　2　　**FRACE**
Race of Father (Cond't)

Guam Occurrence

01	...	White	
02	...	Black	
03	...	American Indian (includes Aleuts and Eskimos)	
04	...	Chinese	
05	...	Japanese	
06	...	Hawaiian (includes part-Hawaiian)	
07	...	Filipino	
08	...	Other Asian or Pacific Islander	
58	...	Guamanian	
99	...	Unknown or not stated	

67　　1　　**PLDEL**
Place or Facility of Delivery

1	...	Hospital
2	...	Freestanding Birthing Center
3	...	Clinic or Doctor's Office
4	...	A Residence
5	...	Other
9	...	Unknown or Not Stated

68　　1　　**BIRATTND**
Attendant at Delivery

1	...	Doctor of Medicine (M.D.)
2	...	Doctor of Osteopathy (D.O.)
3	...	Certified Nurse Midwife (C.N.M.)
4	...	Other Midwife
5	...	Other
9	...	Unknown or not stated

69　　1　　**R2**
Reserved position

70　　1　　**GESTESTM**
Clinical Estimate of Gestation Used Flag
This position is flagged whenever the clinical estimate of gestation is used. It is used when gestation could not be computed or when the computed gestation is outside the 17-47 code range.

Blank	...	Clinical Estimate is not used
1	...	Clinical Estimate is used

Item Location	Item Length	Variable Name, Item and Code Outline

71-72   2

CLINGEST
Clinical Estimate of Gestation

Clinical estimate is not reported by all areas.
See reporting flags.

17-47	...	Estimated gestation in weeks
99	...	Unknown or not stated

73   1

GESTIMP
Gestation Imputation Flag

Blank	...	Gestation is not imputed
1	...	Gestation is imputed

74-75   2

GESTAT
Gestation - Detail in Weeks

This item is: a) computed using dates of birth of child and last normal menses; b) imputed from LMP date; c) the clinical estimate; or d) unknown when there is insufficient data to impute or no valid clinical estimate. This is the gestation item used in NCHS publications.

17-47	...	17th through 47th week of gestation
99	...	Unknown

76-77   2

GESTAT 10
GESTATION RECODE 10

01	...	Under 20 weeks
02	...	20 - 27 weeks
03	...	28 - 31 weeks
04	...	32 - 35 weeks
05	...	36 weeks
06	...	37 - 39 weeks
07	...	40 weeks
08	...	41 weeks
09	...	42 weeks and over
10	...	Not stated

78   1

CSEXIMP
Sex Imputation Flag

Blank	...	Sex is not imputed
1	...	Sex is imputed

79   1

CSEX
Sex

1	...	Male

2	...	Female

1995
Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
80-87	8	**BIRTHWEIGHT**

Beginning in 1995, an imputation for not-stated birthweight was added to reduce potential bias in the data (see section on Changes beginning with the 1995 data year in the introductory text to this documentation). The following imputation flag can be used to delete imputed values for those researchers wishing to use only reported birthweight data.

Item Location	Item Length	Variable Name, Item and Code Outline
80	1	**BWIF** **Birth Weight Imputation Flag**

Blank	...	Birthweight is not imputed
1	...	Birthweight is imputed

Item Location	Item Length	Variable Name, Item and Code Outline
81-84	4	**DBIRWT** **Birth Weight Detail in Grams (Imputed)**

0227-8165	...	Number of grams
9999	...	Not stated birth weight

Item Location	Item Length	Variable Name, Item and Code Outline
85-86	2	**BIRWT12** **Birth Weight Recode 12 (Imputed)**

01	...	499 grams or less
02	...	500-999 grams
03	...	1000-1499 grams
04	...	1500-1999 grams
05	...	2000-2499 grams
06	...	2500-2999 grams
07	...	3000-3499 grams
08	...	3500-3999 grams
09	...	4000-4499 grams
10	...	4500-4999 grams
11	...	5000-8165 grams
12	...	Unknown or not stated

Item Location	Item Length	Variable Name, Item and Code Outline
87	1	**BIRWT4** **Birth Weight Recode 4 (Imputed)**

1	...	1499 grams or less
2	...	1500-2499 grams
3	...	2500 grams or more
4	...	Unknown or not stated

Item Location	Item Length	Variable Name, Item and Code Outline
88	1	**PLURIMP** **Plurality Imputation Flag**

Blank	...	Plurality is not imputed
1	...	Plurality is imputed

1995
Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
89	1	**DPLURAL** **Plurality**

1	...	Single
2	...	Twin
3	...	Triplet
4	...	Quadruplet
5	...	Quintuplet or higher

Item Location	Item Length	Variable Name, Item and Code Outline
90-91	2	**FMAPS** **Five-Minute Apgar Score**

Apgar score is not reported by all areas. See reporting flags.

00-10	...	A score of 0-10
99	...	Unknown or not stated

Item Location	Item Length	Variable Name, Item and Code Outline
92-186	95	**MEDINFO** **Medical and Health Data**

Some States do not report an entire item while other States do not report all of the categories within an item. If an item is not reported, it is indicated by code zero in the appropriate reporting flag. If a category within an item is not reported it is indicated by code 8 in the position for that category.

Item Location	Item Length	Variable Name, Item and Code Outline
92-99	8	**DELMETH** **Method of Delivery**

Each method is assigned a separate position, and the code structure for each method (position) is:

1	...	The method was used
2	...	The method was not used
8	...	Method not on certificate
9	...	Method unknown or not stated

Item Location	Item Length	Variable Name, Item and Code Outline
92	1	**VAGINAL** **Vaginal**
93	1	**VBAC** **Vaginal Birth After Previous C-Section**
94	1	**PRIMAC** **Primary C-Section**
95	1	**REPEAC** **Repeat C-Section**
96	1	**FORCEP**

Forceps

1995
Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
97	1	**VACUUM** **Vacuum**
98	1	**R3** **Reserved Position**
99	1	**DELMETH5** **Method of Delivery Recode**

1	...	Vaginal (excludes Vaginal after previous C-section)
2	...	Vaginal birth after previous C section
3	...	Primary C-section
4	...	Repeat C-Section
5	...	Not stated

Item Location	Item Length	Variable Name, Item and Code Outline
100-117	18	**MEDRISK** **Medical Risk Factors**

Each risk factor is assigned a separate position, and the code structure for each risk factor (position) is:

1	...	Factor reported
2	...	Factor not reported
8	...	Factor not on certificate
9	...	Factor not classifiable

Item Location	Item Length	Variable Name, Item and Code Outline
100	1	**MRFLAG** **No Medical Risk Factors Reported Flag**

Blank	...	One or more medical risk factors coded, one, eight, or nine
2	...	No medical risk factors reported. Each factor is coded a two.

Item Location	Item Length	Variable Name, Item and Code Outline
101	1	**ANEMIA** **Anemia (Hct.<30/Hgb.<10)**
102	1	**CARDIAC** **Cardiac disease**
103	1	**LUNG** **Acute or chronic lung disease**
104	1	**DIABETES** **Diabetes**
105	1	**HERPES**

Genital herpes

| 106 | 1 | **HYDRA** |
| | | **Hydramnios/Oligohydramnios** |

1995
Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
107	1	**HEMO** **Hemoglobinopathy**
108	1	**CHYPER** **Hypertension, chronic**
109	1	**PHYPER** **Hypertension, pregnancy-associated**
110	1	**ECLAMP** **Eclampsia**
111	1	**INCERVIX** **Incompetent cervix**
112	1	**PRE4000** **Previous infant 4000+ grams**
113	1	**PRETERM** **Previous preterm or small-for-gestational-age infant**
114	1	**RENAL** **Renal disease**
115	1	**RH** **Rh sensitization**
116	1	**UTERINE** **Uterine bleeding**
117	1	**OTHERMR** **Other Medical Risk Factors**
118-128	11	**OTHERRSK** **Other Risk Factors for this Pregnancy**
118-121	4	**TOBACRSK** **Tobacco Risks**
118	1	**TOBACCO** **Tobacco Use During Pregnancy**

1	...	Yes
2	...	No
9	...	Unknown or not stated

Item Location	Item Length	Variable Name, Item and Code Outline
119-120	2	**CIGAR** **Average Number of Cigarettes Per Day**

00-97	...	As stated
98	...	98 or more cigarettes per day
99	...	Unknown or not stated

Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
121	1	**CIGAR6** **Average Number of Cigarettes Per Day Recode**

0	...	Non-smoker
1	...	1-5 cigarettes per day
2	...	6-10 cigarettes per day
3	...	11-20 cigarettes per day
4	...	21-40 cigarettes per day
5	...	41 or more cigarettes per day
6	...	Unknown or not stated

Item Location	Item Length	Variable Name, Item and Code Outline
122-125	4	**ALCOHRSK** **Alcohol**
122	1	**ALCOHOL** **Alcohol Use During Pregnancy**

1	...	Yes
2	...	No
9	...	Unknown or not stated

Item Location	Item Length	Variable Name, Item and Code Outline
123-124	2	**DRINK** **Average Number of Drinks Per Week**

00-97	...	As stated
98	...	98 or more drinks per week
99	...	Unknown or not stated

Item Location	Item Length	Variable Name, Item and Code Outline
125	1	**DRINK5** **Average Number of Drinks Per Week Recode**

0	...	Non-drinker
1	...	1 drink per week
2	...	2 drinks per week
3	...	3-4 drinks per week
4	...	5 or more drinks per week
5	...	Unknown or not stated

Item Location	Item Length	Variable Name, Item and Code Outline
126-128	3	**WTGANRSK** **Weight Gain During Pregnancy**
126-127	2	**WTGAIN** **Weight Gain**

00-97	...	Stated number of pounds

98	...	98 pounds or more	
99	...	Unknown or not stated	

1995
Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline		
128	1	**WTGAIN9** **Weight Gain Recode**		
		1	...	Less than 16 pounds
		2	...	16-20 pounds
		3	...	21-25 pounds
		4	...	26-30 pounds
		5	...	31-35 pounds
		6	...	36-40 pounds
		7	...	41-45 pounds
		8	...	46 or more pounds
		9	...	Unknown or not stated

129-136   8   **OBSTETRC**
Obstetric Procedures

Each procedure is assigned a separate position, and the code structure for each procedure (position) is:

1	...	Procedure reported
2	...	Procedure not reported
8	...	Procedure not on certificate
9	...	Procedure not classifiable

129   1   **OBFLAG**
Obstetric Flag

Blank	...	One or more obstetric procedures coded, one, eight, or nine
2	...	No obstetric procedures reported. Each factor is coded a two.

130   1   **AMNIO**
Amniocentesis

131   1   **MONITOR**
Electronic fetal monitoring

132   1   **INDUCT**
Induction of labor

133   1   **STIMULA**
Stimulation of labor

134	1	**TOCOL** **Tocolysis**
135	1	**ULTRAS** **Ultrasound**
136	1	**OTHEROB** **Other Obstetric Procedures**

1995

Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
137-153	17	**LABOR** **Complications of Labor and/or Delivery**

Each complication is assigned a separate position, and the code structure for each complication (position) is:

1	...	Complication reported
2	...	Complication not reported
8	...	Complication not on certificate
9	...	Complication not classifiable

137	1	**FBFLAG** **Labor Flag**

Blank	...	One or more labor and/or delivery complications coded, one, eight, or nine
2	...	No labor and/or delivery complication reported. Each factor is coded a two.

138	1	**FEBRILE** **Febrile (>100 degrees F. or 38 degrees C.)**
139	1	**MECONIUM** **Meconium, moderate/heavy**
140	1	**RUPTURE** **Premature rupture of membrane (>12 hours)**
141	1	**ABRUPTIO** **Abruptio placenta**
142	1	**PREPLACE** **Placenta previa**
143	1	**EXCEBLD** **Other excessive bleeding**
144	1	**SEIZURE** **Seizures during labor**
145	1	**PRECIP** **Precipitous labor (<3 hours)**

Item Location	Item Length	Variable Name, Item and Code Outline
146	1	**PROLONG** **Prolonged labor (>20 hours)**
147	1	**DYSFUNC** **Dysfunctional labor**
148	1	**BREECH** **Breech/Malpresentation**

Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
149	1	**CEPHALO** **Cephalopelvic disproportion**
150	1	**CORD** **Cord prolapse**
151	1	**ANESTHE** **Anesthetic complications**
152	1	**DISTRESS** **Fetal distress**
153	1	**OTHERLB** **Other Complications of Labor and/or Delivery**
154-163	10	**NEWBORN** **Abnormal conditions of the Newborn**

Each condition is assigned a separate position, and the code structure for each condition (position)is:

1	...	Condition reported
2	...	Condition not reported
8	...	Condition not on certificate
9	...	Condition not classifiable

Item Location	Item Length	Variable Name, Item and Code Outline
154	1	**NBFLAG** **Newborn Flag**

Blank	...	One or more abnormal conditions of the newborn coded, one, eight, or nine
2	...	No abnormal condition of the newborn reported. Each factor is coded a two.

Item Location	Item Length	Variable Name, Item and Code Outline
155	1	**NANEMIA** **Anemia Hct.>39/Hgb.<13)**
156	1	**INJURY** **Birth injury**
157	1	**ALCOSYN**

Fetal alcohol syndrome

158	1	**HYALINE** **Hyaline membrane disease**
159	1	**MECONSYN** **Meconium aspiration syndrome**
160	1	**VENL30** **Assisted ventilation, less than 30 minutes**

1995
Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
161	1	**VEN30M** **Assisted ventilation, 30 minutes or more**
162	1	**NSEIZ** **Seizures**
163	1	**OTHERAB** **Other Abnormal Conditions of the Newborn**
164-186	23	**CONGENIT** **Congenital Anomalies**

Each anomaly is assigned a separate position, and the code structure for each anomaly (position) is:

1	...	Anomaly reported
2	...	Anomaly not reported
8	...	Anomaly not on certificate
9	...	Anomaly not classifiable

164	1	**CGFLAG** **Congenital Flag**

Blank	...	One or more congenital anomalies coded, one, eight, or nine
2	...	No congenital anomaly is reported. Each factor is coded a two.

165	1	**ANEN** **Anencephalus**
166	1	**SPINA** **Spina bifida/Meningocele**
167	1	**HYDRO** **Hydrocephalus**
168	1	**MICROCE** **Microcephalus**
169	1	**NERVOUS**

Other central nervous system anomalies

170	1	**HEART** **Heart malformations**
171	1	**CIRCUL** **Other circulatory/respiratory anomalies**
172	1	**RECTAL** **Rectal atresia/stenosis**

1995
Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
173	1	**TRACHEO** **Tracheo-esophageal fistula/Esophageal atresia**
174	1	**OMPHALO** **Omphalocele/Gastroschisis**
175	1	**GASTRO** **Other gastrointestinal anomalies**
176	1	**GENITAL** **Malformed genitalia**
177	1	**RENALAGE** **Renal agenesis**
178	1	**UROGEN** **Other urogenital anomalies**
179	1	**CLEFTLP** **Cleft lip/palate**
180	1	**ADACTYLY** **Polydactyly/Syndactyly/Adactyly**
181	1	**CLUBFOOT** **Club foot**
182	1	**HERNIA** **Diaphragmatic hernia**
183	1	**MUSCULO** **Other musculoskeletal/integumental anomalies**
184	1	**DOWNS** **Down's syndrome**
185	1	**CHROMO** **Other chromosomal anomalies**

| 186 | 1 | **OTHERCON**
Other congenital anomalies |

| 187-203 | 17 | **FLRES**
Reporting Flags for Place of Residence |

These positions contain flags to indicate whether or not the specified item is included on the birth certificate of the State of residence or of the SMSA of residence.   The code structure of each flag (position) is:

| 0 | ... | The item is not reported |
| 1 | ... | The item is reported or partially reported. |

1995
Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
187	1	**ORIGM** **Origin of mother**
188	1	**ORIGF** **Origin of father**
189	1	**EDUCM** **Education of mother**
190	1	**R4** **Reserved Position**
191	1	**GESTE** **Clinical estimate of gestation**
192	1	**R5** **Reserved position**
193	1	**FMAPSRF** **5-minute Apgar score**
194	1	**DELMETRF** **Method of delivery**
195	1	**MEDRSK** **Medical risk factors**
196	1	**TOBUSE** **Tobacco use**
197	1	**ALCUSE** **Alcohol use**
198	1	**WTGN** **Weight gain**
199	1	**OBSTRC**

Obstetric procedures

200	1	**CLABOR** **Complications of labor and/or delivery**
201	1	**ABNML** **Abnormal conditions of newborn**
202	1	**CONGAN** **Congenital anomalies**
203	1	**API flag** **Race codes 18-68 reported (beginning with 1992 data)**

Denominator Record and Natality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
204	1	**CDOBMIMP** **Month of Birth of Child Imputation Flag**

Blank ... Month is not imputed
1 ... Month is imputed

205-206	2	**BIRMON** **Month of Birth**

01 ... January
02 ... February
03 ... March
04 ... April
05 ... May
06 ... June
07 ... July
08 ... August
09 ... September
10 ... October
11 ... November
12 ... December

207-208	2	**R6** **Reserved Position**
209	1	**WEEKDAYB** **Day of Week Child Born**

1 ... Sunday
2 ... Monday
3 ... Tuesday
4 ... Wednesday
5 ... Thursday
6 ... Friday
7 ... Saturday

210	1	**R7** **Reserved Position**

1995
Denominator Record and Mortality Section of Numerator (Linked) Record

Locations 211-535 contain data from the Death Certificate. Data in locations 211-222 are included on both the numerator and denominator-plus files. Data in locations 223-535 are include in the numerator file only. Residence items in the Denominator Record and in the natality section of the Numerator (Linked) Record refer to the usual place of residence of the <u>Mother</u>; whereas in the mortality section of the Numerator (Linked) Record, these items refer to the place of residence of the <u>Decedent</u>.

Item <u>Location</u>	Item <u>Length</u>	Variable Name, <u>Item and Code Outline</u>
211-213	3	**AGED** **Age at Death in Days**

The generated age at death in days is calculated from the date of death on the death certificate minus the date of birth on the birth certificate unless the reported age of death is less than 2 days, then the reported age is used. If the exact date of birth and/or death is unknown, the age is imputed.

000-364 ...   Number of days

214	1	**AGER5** **Infant Age Recode 5**

1	...	Under 1 hour
2	...	1-23 hours
3	...	1-6 days
4	...	7-27 days (late neonatal)
5	...	28 days and over (postneonatal)

215	1	**ACCIDPL** **Place of Accident for Causes E850-E869 and E880-E928**

Blank	...	Causes other than E850-E869 and E880-E928
0	...	Home
1	...	Farm
2	...	Mine and quarry
3	...	Industrial place and premises

4	...	Place for recreation and sport
5	...	Street and highway
6	...	Public building
7	...	Resident institution
8	...	Other specified places
9	...	Place of accident not specified

216-219   4

UCOD
ICD Code (9th Revision)

See the <u>International Classification of Diseases, 1975 Revision, Volume 1.</u>
For injuries and poisoning, the external cause is coded (E800-E999) rather
than the Nature of Injury (800-999). These positions do not include the letter
E for the external cause of injury. For those causes that do not have a 4th
digit, location 219 is blank.

1995
Denominator Record and Mortality Section of Numerator (Linked) Record

Item	Item	Variable Name,
Location	Length	Item and Code Outline

220-222 3

UCODR61
61 Infant Cause Recode

A recode of the ICD cause code into 61 groups for NCHS publications.
Further back in this document is a complete list of recodes and the causes
included.

010-680	...	Code range (not inclusive)

223-230   8

RECWT
Record weight

Beginning in 1995, a record weight was added to the linked file to adjust for
the approximately 2-3% of infant death records each year which cannot be
linked to their corresponding birth certificates. Weights are generally slightly
greater than 1.0 for infant death records, and are set at 1.0 for surviving live
birth records. Weights are appropriate for use in some circumstances, but not
others — please see Introduction for further details. The weights were used to
produce all NCHS linked file tables, including Documentation tables 1-5
included in this tape documentation. The general format for the record weight
is the number one followed by a decimal point and six decimal places as
follows:

  1.XXXXXX

Here ends the Denominator file. Documentation for the Mortality Section of the Numerator (Linked) file begins with the
record weight in positions 223-230.

Item Location	Item Length	Variable Name, Item and Code Outline
261-504	244	**MULTCOND** **Multiple Conditions**

See the "International Classification of Diseases", 1975 Revision, Volume 1. Both the entity-axis and record-axis conditions are coded according to this revision (9th).

Item Location	Item Length	Variable Name, Item and Code Outline
261-262	2	**EANUM** **Number of Entity-Axis Conditions**

    00-20   ...   Code range

Item Location	Item Length	Variable Name, Item and Code Outline
263-402	140	**ENTITY** **ENTITY - AXIS CONDITIONS**

Space has been provided for a maximum of 20 conditions. Each condition takes 7 positions in the record. Records that do not have 20 conditions are blank in the unused area.

Position 1:   Part/line number on certificate

1   ...   Part I, line 1 (a)
2   ...   Part I, line 2 (b)
3   ...   Part I, line 3 (c)
4   ...   Part I, line 4 (d)
5   ...   Part I, line 5 (e)
6   ...   Part II,

Position 2:   Sequence of condition within part/line

1-7   ...   Code range

Position 3 - 6:   Condition code (ICD 9th Revision)

Position 7:   Nature of Injury Flag

1   ...   Indicates that the code in positions 3-6 is a Nature
                      of Injury code
0   ...   All other codes

Location	Length	Variable
263-269	7	**1st Condition**
270-276	7	**2nd Condition**
277-283	7	**3rd Condition**
284-290	7	**4th Condition**
291-297	7	**5th Condition**

-33-
1995
Mortality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
298-304	7	**6th Condition**
305-311	7	**7th Condition**
312-318	7	**8th Condition**
319-325	7	**9th Condition**
326-332	7	**10th Condition**
333-339	7	**11th Condition**
340-346	7	**12th Condition**
347-353	7	**13th Condition**
354-360	7	**14th Condition**
361-367	7	**15th Condition**
368-374	7	**16th Condition**
375-381	7	**17th Condition**
382-388	7	**18th Condition**
389-395	7	**19th Condition**
396-402	7	**20th Condition**
		RANUM

403-404	2	**Number of Record-Axis Conditions**

       00-20 ...   Code range

405-504	100	**RECORD** **RECORD - AXIS CONDITIONS**

 Space has been provided for a maximum of 20 conditions. Each condition takes 5 positions in the record. Records that do not have 20 conditions are blank in the unused area.

   Positions 1-4:   Condition code (ICD 9th Revision)

   Position 5:   Nature of Injury Flag

   1   ...   Indicates that the code in positions 1-4 is a Nature of Injury code
   0   ...   All other codes

Mortality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
405-409	5	**1st Condition**
410-414	5	**2nd Condition**
415-419	5	**3rd Condition**
420-424	5	**4th Condition**
425-429	5	**5th Condition**
430-434	5	**6th Condition**
435-439	5	**7th Condition**
440-444	5	**8th Condition**
445-449	5	**9th Condition**
450-454	5	**10th Condition**
455-459	5	**11th Condition**
460-464	5	**12th Condition**
465-469	5	**13th Condition**
470-474	5	**14th Condition**
475-479	5	**15th Condition**
480-484	5	**16th Condition**

Item Location	Item Length	
485-489	5	**17th Condition**
490-494	5	**18th Condition**
495-499	5	**19th Condition**
500-504	5	**20th Condition**
505	1	**RESSTATD**

RESSTATD
Resident Status - Death
United States Occurrence

1	...	RESIDENTS: State and county of occurrence and residence are the same.
2	...	INTRASTATE NONRESIDENTS: State of occurrence and residence are the same, but county is different.
3	...	INTERSTATE NONRESIDENTS: State of occurrence and residence are different, but both are in the 50 States and D.C.
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 50 States and D.C.

Item Location	Item Length	Variable Name, Item and Code Outline
505	1	**RESSTATD**

RESSTATD
Resident Status - Death (Cond't)

Puerto Rico Occurrence

1	...	RESIDENTS: State and county of occurrence and residence are the same.
2	...	INTRASTATE NONRESIDENTS: State of occurrence and residence are the same, but county is different.
4	...	FOREIGN RESIDENTS: Occurred in Puerto Rico to a resident of any other place.

Virgin Islands Occurrence

1	...	RESIDENTS: State and county of occurrence and residence are the same.
2	...	INTRASTATE NONRESIDENTS: State of occurrence and residence are the same, but county is different.
4	...	FOREIGN RESIDENTS: Occurred in the Virgin Islands to a resident of any other place.

Guam Occurrence

1	...	RESIDENTS: Occurred in Guam to a resident of Guam or to a resident of the U.S.
4	...	FOREIGN RESIDENTS: Occurred in Guam to a resident of any place other than Guam or the U.S.

Item Location	Item Length	
506-507	2	**DRSTATE**

DRSTATE
Expanded State of Residence - NCHS Codes - Deaths
This item is designed to separately identify New York City records from other New York State records.

United States Occurrence

01	...	Alabama
02	...	Alaska
03	...	Arizona
04	...	Arkansas
05	...	California
06	...	Colorado
07	...	Connecticut
08	...	Delaware
09	...	District of Columbia
10	...	Florida
11	...	Georgia
12	...	Hawaii
13	...	Idaho
14	...	Illinois
15	...	Indiana
16	...	Iowa
17	...	Kansas
18	...	Kentucky
19	...	Louisiana
20	...	Maine

1995
Mortality Section of Numerator (Linked) Record

Item Location	Item Length	Variable Name, Item and Code Outline
506-507	2	**DRSTATE** **Expanded State of Residence - NCHS Codes - Deaths (Cond't)**

United States Occurrence

21	...	Maryland
22	...	Massachusetts
23	...	Michigan
24	...	Minnesota
25	...	Mississippi
26	...	Missouri
27	...	Montana
28	...	Nebraska
29	...	Nevada
30	...	New Hampshire
31	...	New Jersey
32	...	New Mexico
33	...	New York
34	...	New York City
35	...	North Carolina
36	...	North Dakota
37	...	Ohio
38	...	Oklahoma
39	...	Oregon
40	...	Pennsylvania
41	...	Rhode Island
42	...	South Carolina
43	...	South Dakota
44	...	Tennessee
45	...	Texas
46	..	Utah
47	...	Vermont

48	...	Virginia
49	...	Washington
50	...	West Virginia
51	...	Wisconsin
52	...	Wyoming
53-58,60	...	Foreign Residents
53	...	Puerto Rico
54	...	Virgin Islands
55	...	Guam
56	...	Canada
57	...	Cuba
58	...	Mexico
60	...	Remainder of the World

Puerto Rico Occurrence

53	...	Puerto Rico
01-52,54-58,60	...	Foreign Residents: Refer to U.S. for specific code structure.

Item Location	Item Length	Variable Name, Item and Code Outline
506-507	2	**DRSTATE** **Expanded State of Residence - NCHS Codes - Deaths (Cond't)**

Virgin Islands Occurrence

54	...	Virgin Islands
01-53,55-58,60	...	Foreign Residents: Refer to U.S. for specific code structure.

Guam Occurrence

55	...	Guam
01-52	...	U.S. resident is also considered a resident of Guam.
53,54,58,60	...	Foreign Residents: Refer to U.S. for specific code structure.

Item Location	Item Length	Variable Name
508-512	5	**FIPSOCCD** **Federal Information Processing Standards (FIPS) Geographic Codes (Occurrence) - Death**

Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes. For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications.

Item Location	Item Length	Variable Name
508-509	2	**STOCCFIPD** **State of Occurrence (FIPS) - Death**

United States

01	...	Alabama
02	...	Alaska
04	...	Arizona
05	...	Arkansas
06	...	California
08	...	Colorado
09	...	Connecticut
10	...	Delaware
11	...	District of Columbia
12	...	Florida
13	...	Georgia
15	...	Hawaii
16	...	Idaho
17	...	Illinois
18	...	Indiana
19	...	Iowa
20	...	Kansas
21	...	Kentucky
22	...	Louisiana
23	...	Maine
24	...	Maryland
25	...	Massachusetts
26	...	Michigan
27	...	Minnesota
28	...	Mississippi
29	...	Missouri
30	...	Montana

Item Location	Item Length	Variable Name, Item and Code Outline
508-509	2	**STOCCFIPD** **State of Occurrence (FIPS) - Death (Cond't)**

United States

31	...	Nebraska
32	...	Nevada
33	...	New Hampshire
34	...	New Jersey
35	...	New Mexico
36	...	New York
37	...	North Carolina
38	...	North Dakota
39	...	Ohio
40	...	Oklahoma
41	...	Oregon
42	...	Pennsylvania
44	...	Rhode Island
45	...	South Carolina
46	...	South Dakota
47	...	Tennessee
48	...	Texas
49	...	Utah
50	...	Vermont
51	...	Virginia
53	...	Washington
54	...	West Virginia
55	...	Wisconsin
56	...	Wyoming

Puerto Rico

72	...	Puerto Rico

Virgin Islands

78	...	Virgin Islands

Guam

66	...	Guam

Item Location	Item Length	Variable Name, Item and Code Outline
510-512	3	**CNTOCFIPD** **County of Occurrence (FIPS) - Death**

001-nnn	...	Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State. (Note: To uniquely identify a county, both the State and county codes must be used.)
999	...	County with less than 250,000 population

Item Location	Item Length	Variable Name, Item and Code Outline
513-517 5		**FIPSRESD**

Federal Information Processing Standards (FIPS) Geographic Codes (Residence) - Death

Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes. For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications.

| 513-514 | 2 | **STRESFIPD**
State of Residence (FIPS) - Death |

United States Occurrence

00	...	Foreign residents
01	...	Alabama
02	...	Alaska
04	...	Arizona
05	...	Arkansas
06	...	California
08	...	Colorado
09	...	Connecticut
10	...	Delaware
11	...	District of Columbia
12	...	Florida
13	...	Georgia
15	...	Hawaii
16	...	Idaho
17	...	Illinois
18	...	Indiana
19	...	Iowa
20	...	Kansas
21	...	Kentucky
22	...	Louisiana
23	...	Maine
24	...	Maryland
25	...	Massachusetts
26	...	Michigan
27	...	Minnesota
28	...	Mississippi
29	...	Missouri
30	...	Montana
31	...	Nebraska
32	...	Nevada
33	...	New Hampshire
34	...	New Jersey
35	...	New Mexico
36	...	New York
37	...	North Carolina
38	...	North Dakota
39	...	Ohio
40	...	Oklahoma

Item Location	Item Length	Variable Name, Item and Code Outline
513-514	2	**STRESFIPD** **State of Residence (FIPS) - Death (Cond't)**

United States Occurrence

41	...	Oregon
42	...	Pennsylvania
44	...	Rhode Island
45	...	South Carolina
46	...	South Dakota
47	...	Tennessee
48	...	Texas
49	...	Utah
50	...	Vermont
51	...	Virginia
53	...	Washington
54	...	West Virginia
55	...	Wisconsin
56	...	Wyoming

Puerto Rico Occurrence

72	...	Puerto Rico
00-56, 66,78	...	Foreign resident: Refer to U.S. for specific code structure.

Virgin Islands Occurrence

78	...	Virgin Islands
00-56, 66,72	...	Foreign resident: Refer to U.S. for specific code structure.

Guam Occurrence

66	...	Guam
01-56, 00,72,78	...	Foreign resident: Refer to U.S. for specific code structure.

Item Location	Item Length	Variable Name, Item and Code Outline
515-517	3	**CNTYRFPD** **County of Residence (FIPS) - Death**

000	...	Foreign residents
001-nnn	...	Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State (Note: To uniquely identify a county, both the State and county codes must be used.) A complete list of counties is shown in the Geographic Code Outline further back in this document.
999	...	County with less than 250,000 population

Item Location	Item Length	Variable Name, Item and Code Outline

518-522 5 **PLRES**
Place (City) of Residence (FIPS)

A complete list of cities is shown in the Geographic code outline further back in this document.

00000	...	Foreign residents
00001-nnnnn	...	Code range
99999	...	Balance of county; or city less than 250,000 population

523 1 **HOSPD**
Hospital and Patient Status

1	...	Hospital, Clinic or Medical Center - Inpatient
2	...	Hospital, Clinic or Medical Center - Outpatient or admitted to Emergency Room
3	...	Hospital, Clinic or Medical Center - Dead on arrival
4	...	Hospital, Clinic or Medical Center - Patient status unknown
5	...	Nursing home
6	...	Residence
7	...	Other
9	...	Place of death unknown

524-527 4 **DTHYR**
Year of Death

1995	...	Death occurred in 1995
1996	...	Death occurred in 1996

528-529 2 **DTHMON**
Month of Death

01	...	January
02	...	February
03	...	March
04	...	April
05	...	May
06	...	June
07	...	July
08	...	August
09	...	September
10	...	October
11	...	November
12	...	December

530-531 2 **R8**
Reserved Position

Item Location	Item Length	Variable Name, Item and Code Outline
532	1	**WEEKDAYD** **Day of Week of Death**

1	...	Sunday
2	...	Monday
3	...	Tuesday
4	...	Wednesday
5	...	Thursday
6	...	Friday
7	...	Saturday
9	...	Unknown

Item Location	Item Length	Variable Name, Item and Code Outline
533-535	3	**R9** **Reserved positions**

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                                    Chapter 5
                   Ninth Revision  61 Causes of Death Adapted for use by DVS
                       ST:  1 = Subtotal    Limited: Sex: 1 = Males; 2 = Females
Length = of Cause Title                              Age: 1 = 5 & Over; 2 = 10-54;
                                                          3 = 28 Days & Over


               *****  Cause Subtotals are not Identified in this File  *****


  61      S Limited Len-
Recode   T Sex Age gth  Cause Title And ICD-9 Codes Included

  010               039  Certain intestinal infections (008-009)
  020               020  Whooping cough (033)
  030               029  Meningococcal infection (036)
  040            3  016  Septicemia (038)
  050               024  Viral diseases (045-079)
  060               025  Congenital syphilis (090)
  070               110  Remainder of infectious and parasitic
                                diseases (001-007,010-032,034-035,037,039-
041,
                                *042-*044,080-088,091-139)

  080               089  Malignant neoplasms, including neoplasms of
lymphatic
                                and hematopoietic tissues (140-208)
  090               108  Benign neoplasms, carcinoma in situ, and
neoplasms of
                                uncertain behavior and of unspecified
nature
                                (210-239)
  100               030  Diseases of thymus gland (254)
  110               023  Cystic fibrosis (277.0)
  120               052  Diseases of blood and blood-forming organs (280-
289)
  130               020  Meningitis (320-322)
  140               059  Other diseases of nervous system and sense organs
                                (323-389)
  150               044  Acute upper respiratory infections (460-465)
  160               042  Bronchitis and bronchiolitis (466,490-491)

  170     1         033  Pneumonia and influenza (480-487)
  180               021    Pneumonia (480-486)
  190               017    Influenza (487)

  200               061  Remainder of diseases of respiratory system (470-
478,
                                492-519)
  210               093  Hernia of abdominal cavity and intestinal
obstruction
                                without mention of hernia (550-553,560)
  220               075  Gastritis, duodenitis, and noninfective enteritis
and
                                colitis (535,555-558)
  230               067  Remainder of diseases of digestive
                                system (520-534,536-543,562-579)

  240     1         030  Congenital anomalies (740-759)
  250               042    Anencephalus and similar anomalies (740)

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 260           020     Spina bifida (741)
 270           034     Congenital hydrocephalus (742.3)
 280           092     Other congenital anomalies of central nervous
system
                         and eye (742.0-742.2,742.4-742.9,743)
 290           041     Congenital anomalies of heart (745-746)
 300           056     Other congenital anomalies of circulatory
system
                         (747)
 310           050     Congenital anomalies of respiratory system
(748)
 320           052     Congenital anomalies of digestive system (749-
751)
 330           056     Congenital anomalies of genitourinary system
                         (752-753)
 340           058     Congenital anomalies of musculoskeletal system
                         (754-756)
 350           025     Down's syndrome (758.0)
 360           043     Other chromosomal anomalies (758.1-758.9)
 370           062     All other and unspecified congenital anomalies
                         (744,757,759)
 380     1     064   Certain conditions originating in the perinatal
period
                         (760-779)
 390           091     Newborn affected by maternal conditions which
may be
                         unrelated to present pregnancy (760)
 400           063     Newborn affected by maternal complications of
                         pregnancy (761)
 410           074     Newborn affected by complications of placenta,
cord,
                         and membranes (762)
 420           069     Newborn affected by other complications of
labor and
                         delivery (763)
 430           048     Slow fetal growth and fetal malnutrition (764)
 440           077     Disorders relating to short gestation and
                         unspecified low birthweight (765)
 450           065     Disorders relating to long gestation and high
                         birthweight (766)
 460           020     Birth trauma (767)
 470     1     047     Intrauterine hypoxia and birth asphyxia (768)
 480           051       Fetal distress in liveborn infant (768.2-
768.4)
 490           032       Birth asphyxia (768.5-768.9)
 500           037     Respiratory distress syndrome (769)
 510           047     Other respiratory conditions of newborn (770)
 520           051     Infections specific to the perinatal period
(771)
 530           027     Neonatal hemorrhage (772)
 540           094     Hemolytic disease of newborn, due to
                         isoimmunization, and other perinatal
jaundice
                         (773-774)
 550           088     Syndrome of "infant of a diabetic mother" and
                         neonatal diabetes mellitus (775.0-775.1)
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 560                  040    Hemorrhagic disease of newborn (776.0)
 570                  098    All other and ill-defined conditions
originating in

                             the perinatal period (775.2-775.9,776.1-
779)
 580     1            053  Symptoms, signs, and ill-defined conditions (780-
799)
 590                  038    Sudden infant death syndrome (798.0)
 600                  075    Symptoms, signs, and all other ill-defined
                             conditions (780-797,798.1-799)
 610     1            041  Accidents and adverse effects (E800-E949)
 620                  118    Inhalation and ingestion of food or other
object

                             causing obstruction of respiratory tract
or

                             suffocation (E911-E912)
 630                  042    Accidental mechanical suffocation (E913)
 640                  067    Other accidental causes and adverse
                             effects (E800-E910,E914-E949)
 650     1            020  Homicide (E960-E969)
 660                  047    Child battering and other maltreatment (E967)
 670                  038    Other homicide (E960-E966,E968-E969)
 680                  027  All other causes (Residual)
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DOCUMENTATION TABLE 1
LIVE BIRTHS AND INFANT DEATHS BY STATE OF OCCURRENCE AND BY STATE RESIDENCE AT BIRTH:
UNITED STATES, PUERTO RICO, VIRGIN ISLANDS, AND GUAM -- 1995 BIRTH COHORT DATA
(RESIDENCE AT BIRTH IS OF THE MOTHER)

AREA	LIVE BIRTHS		INFANT DEATHS			
			UNWEIGHTED		WEIGHTED 1/	
	OCCURRENCE	RESIDENCE	OCCURRENCE	RESIDENCE	OCCURRENCE	RESIDENCE
UNITED STATES 2/..........	3,903,012	3,899,589	28,607	28,594	29,315	29,302
ALABAMA.......................	59,518	60,329	587	579	588	580
ALASKA........................	10,127	10,244	74	79	75	80
ARIZONA.......................	72,363	72,463	534	533	544	543
ARKANSAS......................	33,644	35,175	288	313	289	314
CALIFORNIA....................	552,322	552,045	3,263	3,262	3,440	3,439
COLORADO......................	54,569	54,332	373	356	375	358
CONNECTICUT...................	44,250	44,334	300	306	300	306
DELAWARE......................	10,770	10,266	83	78	83	78
DISTRICT OF COLUMBIA..........	16,198	9,014	260	144	262	145
FLORIDA.......................	188,966	188,723	1,429	1,422	1,436	1,429
GEORGIA.......................	113,165	112,282	1,070	1,064	1,074	1,068
HAWAII........................	18,635	18,595	106	102	108	104
IDAHO.........................	17,700	18,035	100	111	101	112
ILLINOIS......................	182,635	185,812	1,632	1,683	1,665	1,717
INDIANA.......................	82,740	82,835	697	706	712	721
IOWA..........................	36,869	36,810	268	289	273	294
KANSAS........................	35,527	37,201	224	250	226	253
KENTUCKY......................	50,858	52,377	335	365	345	376
LOUISIANA.....................	65,812	65,641	623	609	640	625
MAINE.........................	13,690	13,896	82	81	84	83
MARYLAND......................	67,901	72,396	549	639	554	645
MASSACHUSETTS.................	82,647	81,648	417	401	432	415
MICHIGAN......................	133,273	134,642	1,048	1,052	1,078	1,083
MINNESOTA.....................	63,044	63,263	434	434	435	435

AREA	MISSISSIPPI	MISSOURI
MISSISSIPPI.....................	40,720	41,344	389	418	391	420
MISSOURI.......................	75,981	73,028	595	523	601	528

DOCUMENTATION TABLE 1
LIVE BIRTHS AND INFANT DEATHS BY STATE OF OCCURRENCE AND BY STATE RESIDENCE AT BIRTH:
UNITED STATES, PUERTO RICO, VIRGIN ISLANDS, AND GUAM -- 1995 BIRTH COHORT DATA
(RESIDENCE AT BIRTH IS OF THE MOTHER)

| AREA | LIVE BIRTHS | | INFANT DEATHS | | | |
| | | | UNWEIGHTED | | WEIGHTED 1/ | |
	OCCURRENCE	RESIDENCE	OCCURRENCE	RESIDENCE	OCCURRENCE	RESIDENCE
MONTANA.......................	11,049	11,142	73	76	73	76
NEBRASKA......................	23,551	23,243	191	179	192	180
NEVADA........................	24,672	25,056	143	144	149	150
NEW HAMPSHIRE.................	14,158	14,665	66	75	66	75
NEW JERSEY....................	111,887	114,828	716	730	748	762
NEW MEXICO....................	26,607	26,920	154	162	163	171
NEW YORK......................	272,296	271,369	2,042	2,054	2,078	2,090
UPSTATE...................	141,287	145,316	943	973	964	994
CITY......................	131,009	126,053	1,099	1,081	1,114	1,096
NORTH CAROLINA................	102,163	101,592	911	911	925	925
NORTH DAKOTA..................	9,736	8,476	64	54	64	54
OHIO..........................	154,996	154,064	1,257	1,246	1,357	1,343
OKLAHOMA......................	44,722	45,672	336	340	388	391
OREGON........................	44,609	42,811	263	256	267	260
PENNSYLVANIA..................	152,776	151,850	1,152	1,135	1,171	1,154
RHODE ISLAND..................	13,787	12,776	98	90	99	91
SOUTH CAROLINA................	49,105	50,926	462	486	468	492
SOUTH DAKOTA..................	10,632	10,475	91	86	91	86
TENNESSEE.....................	77,899	73,173	703	631	704	632
TEXAS.........................	326,587	322,753	2,088	2,071	2,117	2,100
UTAH..........................	40,535	39,577	220	210	226	216
VERMONT.......................	6,448	6,783	43	39	43	39
VIRGINIA......................	90,594	92,578	659	691	681	713
WASHINGTON....................	75,678	77,228	435	438	447	450

| | LIVE BIRTHS | | INFANT DEATHS | | | |
| | | | | | | |

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WEST VIRGINIA..................      22,181      21,162      174      161      179      165
WISCONSIN......................      66,565      67,479      476      490      476      490
WYOMING........................       5,855       6,261       30       40       32       42
FOREIGN RESIDENTS..............         ...       3,423      ...       13      ...       13
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DOCUMENTATION TABLE 1
LIVE BIRTHS AND INFANT DEATHS BY STATE OF OCCURRENCE AND BY STATE RESIDENCE AT BIRTH:
UNITED STATES, PUERTO RICO, VIRGIN ISLANDS, AND GUAM -- 1995 BIRTH COHORT DATA
(RESIDENCE AT BIRTH IS OF THE MOTHER)

	LIVE BIRTHS		INFANT DEATHS			
AREA			UNWEIGHTED		WEIGHTED 1/	
	OCCURRENCE	RESIDENCE				
			OCCURRENCE	RESIDENCE	OCCURRENCE	RESIDENCE
PUERTO RICO 3/...................	63,518	63,425	789	783	...	...
VIRGIN ISLAND 3/.................	2,164	2,063	27	27	...	...
GUAM 3/..........................	4,186	4,179	40	40	...	...

1/ FIGURES ARE BASES ON WEIGHTED DATA ROUNDED TO THE NEAREST INFANT, SO CATEGORIES MAY NOT ADD TO TOTALS.
2/ EXCLUDES DATA FOR PUERTO RICO, VIRGIN ISLANDS, AND GUAM OCCURRENCES
3/ DATA FROM THE PUERTO RICO, VIRGIN ISLANDS, AND GUAM FILE

DOCUMENTATION TABLE 2
LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY RACE OF MOTHER, SEX AND BIRTH WEIGHT OF CHILD:
UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(RATES ARE PER 1000 LIVE BIRTHS)

RACE OF MOTHER AND SEX	TOTAL	<500 GRAMS	500-749 GRAMS	750-999 GRAMS	1000-1249 GRAMS	1250-1499 GRAMS	1500-1999 GRAMS	2000-2499 GRAMS	2500 GRAMS OR MORE	NOT STATED
ALL RACES 1/										
BOTH SEXES										
LIVE BIRTHS.....	3,899,589	5,703	9,998	10,816	12,242	14,267	55,342	177,608	3,611,935	1,678
INFANT DEATHS...	29,302	5,162	5,261	1,979	1,038	795	1,823	2,467	10,426	351
INF.MORT.RATE...	7.5	905.2	526.2	183.0	84.8	55.7	32.9	13.9	2.9	209.4
MALE										
LIVE BIRTHS.....	1,996,355	2,917	5,033	5,621	6,350	7,328	27,134	81,593	1,859,469	910
INFANT DEATHS...	16,468	2,661	3,006	1,221	634	454	958	1,275	6,037	223
INF.MORT.RATE...	8.2	912.4	597.2	217.1	99.8	61.9	35.3	15.6	3.2	245.1
FEMALE										
LIVE BIRTHS.....	1,903,234	2,786	4,965	5,195	5,892	6,939	28,208	96,015	1,752,466	768
INFANT DEATHS...	12,834	2,501	2,255	759	404	341	865	1,192	4,389	128
INF.MORT.RATE...	6.7	897.6	454.2	146.0	68.6	49.2	30.7	12.4	2.5	167.1
WHITE										
BOTH SEXES										
LIVE BIRTHS.....	3,098,885	3,140	5,888	6,685	7,972	9,358	37,525	122,515	2,904,634	1,168
INFANT DEATHS...	19,461	2,862	3,213	1,303	717	532	1,256	1,705	7,677	197
INF.MORT.RATE...	6.3	911.4	545.7	194.9	89.9	56.8	33.5	13.9	2.6	168.7
MALE										
LIVE BIRTHS.....	1,588,427	1,628	2,971	3,497	4,209	4,880	18,647	56,827	1,495,140	628
INFANT DEATHS...	11,087	1,494	1,844	812	447	313	672	890	4,491	124
INF.MORT.RATE...	7.0	917.8	620.7	232.3	106.3	64.1	36.0	15.7	3.0	196.8
FEMALE										
LIVE BIRTHS.....	1,510,458	1,512	2,917	3,188	3,763	4,478	18,878	65,688	1,409,494	540
INFANT DEATHS...	8,375	1,368	1,369	491	269	219	584	815	3,186	73
INF.MORT.RATE...	5.5	904.5	469.3	154.0	71.6	48.9	31.0	12.4	2.3	135.9

DOCUMENTATION TABLE 2
LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY RACE OF MOTHER, SEX AND BIRTH WEIGHT OF CHILD:
UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(RATES ARE PER 1000 LIVE BIRTHS)

RACE OF MOTHER AND SEX	TOTAL	<500 GRAMS	500-749 GRAMS	750-999 GRAMS	1000-1249 GRAMS	1250-1499 GRAMS	1500-1999 GRAMS	2000-2499 GRAMS	2500 GRAMS OR MORE	NOT STATED
BLACK										
BOTH SEXES										
LIVE BIRTHS.....	603,139	2,421	3,800	3,748	3,801	4,323	15,384	45,858	523,420	384
INFANT DEATHS...	8,674	2,173	1,888	600	281	215	472	660	2,249	137
INF.MORT.RATE...	14.4	897.6	496.9	160.2	73.9	49.7	30.7	14.4	4.3	355.9
MALE										
LIVE BIRTHS.....	306,115	1,210	1,912	1,919	1,888	2,126	7,248	20,411	269,182	219
INFANT DEATHS...	4,755	1,098	1,079	362	163	118	240	336	1,272	87
INF.MORT.RATE...	15.5	907.6	564.4	188.4	86.2	55.5	33.2	16.5	4.7	397.6
FEMALE										
LIVE BIRTHS.....	297,024	1,211	1,888	1,829	1,913	2,197	8,136	25,447	254,238	165
INFANT DEATHS...	3,919	1,075	809	239	118	97	231	323	978	50
INF.MORT.RATE...	13.2	887.6	428.6	130.6	61.7	44.0	28.4	12.7	3.8	300.5

1/   INCLUDES RACES OTHER THAN WHITE AND BLACK

DOCUMENTATION TABLE 3
LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY BIRTH WEIGHT, RACE OF MOTHER, AND GESTATIONAL AGE:
UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(RATES ARE PER 1000 LIVE BIRTHS)

BIRTH WEIGHT	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE	NOT STATED
ALL RACES 1/										
TOTAL										
LIVE BIRTHS........	3,899,589	27,478	45,622	199,383	151,972	1,733,269	876,828	493,055	335,513	36,469
INFANT DEATHS......	29,302	11,568	2,426	2,704	1,108	5,864	2,286	1,253	1,135	958
INF. MORT. RATE....	7.5	421.0	53.2	13.6	7.3	3.4	2.6	2.5	3.4	26.3
LESS THAN 2,500 GRAMS										
LIVE BIRTHS........	285,976	26,214	33,267	90,870	31,579	75,096	12,325	6,014	6,954	3,657
INFANT DEATHS......	18,525	11,547	2,311	1,956	506	1,221	241	159	159	425
INF. MORT. RATE....	64.8	440.5	69.5	21.5	16.0	16.3	19.5	26.5	22.9	116.2
LESS THAN 500 GRAMS										
LIVE BIRTHS........	5,703	5,280	231	11	1	3	2	2	1	172
INFANT DEATHS......	5,162	4,829	177	9	1	2	2	1	1	140

INF. MORT. RATE....	905.2	914.5	765.4	828.8	1036.3	666.7	1029.0	514.5	1000.0
816.4									

500-749 GRAMS

LIVE BIRTHS........	9,998	8,422	1,158	147	9	25	4	5	6
222									
INFANT DEATHS......	5,261	4,702	381	45	2	12	3	5	3
107									
INF. MORT. RATE....	526.2	558.3	328.9	305.6	225.1	488.4	756.9	1061.6	504.6
480.8									

750-999 GRAMS

LIVE BIRTHS........	10,816	6,726	3,274	450	31	92	37	19	9
178									
INFANT DEATHS......	1,979	1,408	449	60	5	12	1	1	3
40									
INF. MORT. RATE....	183.0	209.3	137.1	133.5	163.3	134.8	27.2	53.5	338.5
224.7									

1,000-1,249 GRAMS

LIVE BIRTHS........	12,242	2,953	6,368	1,985	160	355	106	50	76
189									
INFANT DEATHS......	1,038	375	425	159	13	27	6	5	5
23									
INF. MORT. RATE....	84.8	126.9	66.7	80.1	83.3	76.0	57.3	102.6	66.8
120.4									

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SEE FOOTNOTES AT END OF TABLE.

- 2 -
DOCUMENTATION TABLE 3
LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY BIRTH WEIGHT, RACE OF MOTHER, AND GESTATIONAL AGE:
UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(RATES ARE PER 1000 LIVE BIRTHS)

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| GESTATION

BIRTH WEIGHT	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE	NOT STATED
ALL RACES 1/										
1,250-1,499 GRAMS										
LIVE BIRTHS........	14,267	1,000	7,105	4,466	441	687	152	98	129	189
INFANT DEATHS......	795	101	345	207	39	58	16	6	7	16
INF. MORT. RATE....	55.7	101.2	48.6	46.3	88.1	84.8	102.7	61.9	55.7	83.0
1,500-1,999 GRAMS										
LIVE BIRTHS........	55,342	1,126	10,685	28,455	4,700	7,197	1,033	602	817	727
INFANT DEATHS......	1,823	110	397	708	141	315	47	32	33	41
INF. MORT. RATE....	32.9	97.3	37.2	24.9	30.1	43.8	45.4	52.5	40.0	57.0
2,000-2,499 GRAMS										
LIVE BIRTHS........	177,608	707	4,446	55,356	26,237	66,737	10,991	5,238	5,916	1,980
INFANT DEATHS......	2,467	22	137	769	305	794	166	109	107	58
INF. MORT. RATE....	13.9	31.7	30.8	13.9	11.6	11.9	15.1	20.9	18.1	29.2
2,500-2,999 GRAMS										
LIVE BIRTHS........	640,891	1,264	4,699	50,827	55,113	346,702	93,773	43,519	39,002	5,992
INFANT DEATHS......	3,419	21	60	434	332	1,563	472	237	245	54
INF. MORT. RATE....	5.3	16.9	12.8	8.5	6.0	4.5	5.0	5.5	6.3	9.0
3,000-3,499 GRAMS										

	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE	NOT STATED
LIVE BIRTHS........	1,438,889	-	5,074	36,822	44,427	720,824	330,594	168,085	120,637	12,426
INFANT DEATHS......	4,059	-	41	218	174	1,941	845	415	367	59
INF. MORT. RATE....	2.8	-	8.1	5.9	3.9	2.7	2.6	2.5	3.0	4.7
3,500-3,999 GRAMS										
LIVE BIRTHS........	1,129,470	-	2,582	16,464	16,476	458,423	319,102	189,314	117,969	9,140
INFANT DEATHS......	2,175	-	14	76	68	887	534	306	252	38
INF. MORT. RATE....	1.9	-	5.6	4.6	4.1	1.9	1.7	1.6	2.1	4.2

SEE FOOTNOTES AT END OF TABLE.

DOCUMENTATION TABLE 3
LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY BIRTH WEIGHT, RACE OF MOTHER, AND GESTATIONAL AGE:
UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(RATES ARE PER 1000 LIVE BIRTHS)

					GESTATION				
BIRTH WEIGHT									
	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE

NOT STATED

ALL RACES 1/

4,000-4,499 GRAMS

LIVE BIRTHS........	339,910	–	–	3,778	3,689	113,188	102,510	71,539	42,210
	2,996								
INFANT DEATHS......	609	–	–	13	23	196	157	112	91
	17								
INF. MORT. RATE....	1.8	–	–	3.5	6.1	1.7	1.5	1.6	2.2
	5.5								

4,500-4,999 GRAMS

LIVE BIRTHS........	56,309	–	–	524	598	16,958	16,792	13,160	7,784
	493								
INFANT DEATHS......	113	–	–	3	3	40	30	17	15
	4								
INF. MORT. RATE....	2.0	–	–	6.0	5.1	2.4	1.8	1.3	1.9
	8.8								

5,000 GRAMS OR MORE

LIVE BIRTHS........	6,466	–	–	98	90	2,078	1,732	1,424	957
	87								
INFANT DEATHS......	50	–	–	4	2	16	7	5	5
	10								
INF. MORT. RATE....	7.7	–	–	41.1	22.7	7.9	4.1	3.6	5.3
	118.7								

NOT STATED

LIVE BIRTHS........	1,678	–	–	–	–	–	–	–	–
	1,678								
INFANT DEATHS......	351	–	–	–	–	–	–	–	–
	351								
INF. MORT. RATE....	209.4	–	–	–	–	–	–	–	–
	209.4								

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SEE FOOTNOTES AT END OF TABLE.

DOCUMENTATION TABLE 3
LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY BIRTH WEIGHT, RACE OF MOTHER, AND GESTATIONAL AGE:
UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(RATES ARE PER 1000 LIVE BIRTHS)

BIRTH WEIGHT NOT STATED		GESTATION							
	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE

WHITE

TOTAL

	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE
LIVE BIRTHS........	3,098,885	15,736	29,187	140,098	113,537	1,370,843	719,882	410,221	271,485
27,896									
INFANT DEATHS......	19,461	6,793	1,625	1,888	788	4,305	1,680	945	842
597									
INF. MORT. RATE....	6.3	431.7	55.7	13.5	6.9	3.1	2.3	2.3	3.1
21.4									

LESS THAN 2,500 GRAMS

	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE
LIVE BIRTHS........	193,083	15,083	21,586	63,625	22,181	51,200	8,282	4,059	4,653
2,414									
INFANT DEATHS......	11,587	6,780	1,551	1,363	360	881	156	116	105
274									
INF. MORT. RATE....	60.0	449.5	71.9	21.4	16.2	17.2	18.8	28.5	22.6
113.7									

LESS THAN 500 GRAMS

	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE
LIVE BIRTHS........	3,140	2,881	138	6	-	3	2	2	-
108									
INFANT DEATHS......	2,862	2,656	109	6	-	2	2	1	-
86									

INF. MORT. RATE....	911.4	921.9	787.9	1013.4	–	666.7	1029.0	514.5	–
795.7									

500-749 GRAMS

LIVE BIRTHS........	5,888	4,881	746	91	8	13	2	5	5
137									
INFANT DEATHS......	3,213	2,838	265	24	1	4	2	5	2
70									
INF. MORT. RATE....	545.7	581.5	355.8	269.0	127.2	314.8	1010.9	1061.6	405.6
513.3									

750-999 GRAMS

LIVE BIRTHS........	6,685	4,032	2,109	297	21	64	27	15	4
116									
INFANT DEATHS......	1,303	918	304	44	3	8	–	1	1
25									
INF. MORT. RATE....	194.9	227.6	144.0	147.7	143.9	129.0	–	67.8	257.2
211.3									

1,000-1,249 GRAMS

LIVE BIRTHS........	7,972	1,793	4,196	1,393	98	216	74	33	45
124									
INFANT DEATHS......	717	250	291	120	10	18	5	4	2
17									
INF. MORT. RATE....	89.9	139.5	69.3	86.4	104.9	82.0	68.2	125.1	44.4
133.6									

SEE FOOTNOTES AT END OF TABLE.

DOCUMENTATION TABLE 3
LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY BIRTH WEIGHT, RACE OF MOTHER, AND GESTATIONAL AGE:
UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(RATES ARE PER 1000 LIVE BIRTHS)

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GESTATION

BIRTH WEIGHT	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE	NOT STATED
WHITE										
1,250-1,499 GRAMS										
LIVE BIRTHS........	9,358	557	4,674	3,031	301	424	100	67	92	112
INFANT DEATHS......	532	57	224	152	27	45	10	4	4	10
INF. MORT. RATE....	56.8	101.4	47.8	50.1	88.2	105.9	104.6	60.0	44.9	85.6
1,500-1,999 GRAMS										
LIVE BIRTHS........	37,525	583	7,154	19,511	3,274	4,865	692	399	544	503
INFANT DEATHS......	1,256	53	267	485	103	239	32	23	23	30
INF. MORT. RATE....	33.5	91.3	37.4	24.8	31.4	49.1	45.7	58.6	43.1	60.1
2,000-2,499 GRAMS										
LIVE BIRTHS........	122,515	356	2,569	39,296	18,479	45,615	7,385	3,538	3,963	1,314
INFANT DEATHS......	1,705	8	91	532	217	565	105	77	73	37
INF. MORT. RATE....	13.9	23.0	35.6	13.5	11.7	12.4	14.2	21.7	18.3	28.3
2,500-2,999 GRAMS										
LIVE BIRTHS........	458,899	653	2,620	35,465	40,685	249,049	67,237	31,500	27,630	4,060
INFANT DEATHS......	2,385	13	38	296	226	1,107	340	163	168	34
INF. MORT. RATE....	5.2	20.2	14.4	8.3	5.5	4.4	5.1	5.2	6.1	8.4
3,000-3,499 GRAMS										

	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE	NOT STATED
LIVE BIRTHS........	1,130,307	-	3,208	25,456	34,145	566,968	262,214	134,333	94,472	9,511
INFANT DEATHS......	3,000	-	29	157	133	1,435	613	320	272	42
INF. MORT. RATE....	2.7	-	8.9	6.1	3.9	2.5	2.3	2.4	2.9	4.5

3,500-3,999 GRAMS

	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE	NOT STATED
LIVE BIRTHS........	958,758	-	1,773	12,143	12,912	387,738	273,851	162,960	99,737	7,644
INFANT DEATHS......	1,691	-	7	57	49	683	422	244	202	27
INF. MORT. RATE....	1.8	-	4.1	4.7	3.8	1.8	1.5	1.5	2.0	3.5

SEE FOOTNOTES AT END OF TABLE.

DOCUMENTATION TABLE 3
LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY BIRTH WEIGHT, RACE OF MOTHER, AND GESTATIONAL AGE:
UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(RATES ARE PER 1000 LIVE BIRTHS)

						GESTATION				
BIRTH WEIGHT	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE	NOT STATED

WHITE

4,000-4,499 GRAMS

	Total									
LIVE BIRTHS........	300,735	–	–	2,917	3,061	99,306	91,610	64,114	37,132	2,595
INFANT DEATHS......	470	–	–	8	17	153	116	85	78	12
INF. MORT. RATE....	1.6	–	–	2.8	5.4	1.5	1.3	1.3	2.1	4.8

4,500-4,999 GRAMS

LIVE BIRTHS........	50,333	–	–	412	482	14,841	15,178	11,987	7,000	433
INFANT DEATHS......	93	–	–	2	1	34	26	14	13	3
INF. MORT. RATE....	1.8	–	–	4.9	2.1	2.3	1.7	1.2	1.9	7.0

5,000 GRAMS OR MORE

LIVE BIRTHS........	5,602	–	–	80	71	1,741	1,510	1,268	861	71
INFANT DEATHS......	39	–	–	4	2	12	6	4	4	6
INF. MORT. RATE....	6.9	–	–	50.3	28.7	7.1	4.0	3.2	4.8	88.0

NOT STATED

LIVE BIRTHS........	1,168	–	–	–	–	–	–	–	–	1,168
INFANT DEATHS......	197	–	–	–	–	–	–	–	–	197
INF. MORT. RATE....	168.7	–	–	–	–	–	–	–	–	168.7

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SEE FOOTNOTES AT END OF TABLE.

DOCUMENTATION TABLE 3
LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY BIRTH WEIGHT, RACE OF MOTHER, AND GESTATIONAL AGE:
UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(RATES ARE PER 1000 LIVE BIRTHS)

					GESTATION				
BIRTH WEIGHT NOT STATED	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE
BLACK									
TOTAL									
LIVE BIRTHS........	603,139	10,890	14,551	49,553	30,720	267,192	114,646	61,516	49,048
5,023									
INFANT DEATHS......	8,674	4,440	705	684	265	1,300	494	243	245
298									
INF. MORT. RATE....	14.4	407.7	48.5	13.8	8.6	4.9	4.3	3.9	5.0
59.2									
LESS THAN 2,500 GRAMS									
LIVE BIRTHS........	79,335	10,325	10,431	23,275	7,843	19,519	3,387	1,649	1,963
943									
INFANT DEATHS......	6,289	4,434	669	495	126	279	73	35	48
129									
INF. MORT. RATE....	79.3	429.4	64.1	21.3	16.1	14.3	21.6	21.0	24.4
137.0									
LESS THAN 500 GRAMS									
LIVE BIRTHS........	2,421	2,273	86	5	1	-	-	-	1
55									
INFANT DEATHS......	2,173	2,056	64	3	1	-	-	-	1
48									

INF. MORT. RATE....	897.6	904.6	743.5	607.3	1036.3	-	-	-	1000.0	870.4
500-749 GRAMS										
LIVE BIRTHS........	3,800	3,298	373	47	1	9	2	-	1	69
INFANT DEATHS......	1,888	1,727	103	17	1	7	1	-	1	31
INF. MORT. RATE....	496.9	523.6	276.0	368.5	1008.3	788.5	503.0	-	1000.0	451.2
750-999 GRAMS										
LIVE BIRTHS........	3,748	2,470	1,055	128	9	24	6	2	4	50
INFANT DEATHS......	600	439	127	12	2	4	1	-	2	13
INF. MORT. RATE....	160.2	177.8	120.0	94.3	226.8	172.5	167.7	-	504.4	268.8
1,000-1,249 GRAMS										
LIVE BIRTHS........	3,801	1,048	1,937	518	52	122	27	16	26	55
INFANT DEATHS......	281	112	117	32	2	8	1	1	3	4
INF. MORT. RATE....	73.9	107.1	60.3	62.7	39.1	67.0	38.2	62.5	118.2	74.3

SEE FOOTNOTES AT END OF TABLE.

DOCUMENTATION TABLE 3
LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY BIRTH WEIGHT, RACE OF MOTHER, AND GESTATIONAL AGE:
UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(RATES ARE PER 1000 LIVE BIRTHS)

GESTATION

BIRTH WEIGHT NOT STATED	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE

BLACK

1,250-1,499 GRAMS

	TOTAL	<28	28-31	32-35	36	37-39	40	41	42+	NOT STATED
LIVE BIRTHS........	4,323	404	2,153	1,235	128	230	45	30	34	64
INFANT DEATHS......	215	34	102	45	10	9	5	2	2	5
INF. MORT. RATE....	49.7	85.3	47.3	36.2	79.4	39.8	114.4	68.2	60.1	79.2

1,500-1,999 GRAMS

	TOTAL	<28	28-31	32-35	36	37-39	40	41	42+	NOT STATED
LIVE BIRTHS........	15,384	505	3,130	7,705	1,203	1,972	295	174	235	165
INFANT DEATHS......	472	51	112	178	33	63	11	5	6	11
INF. MORT. RATE....	30.7	101.3	35.9	23.1	27.8	31.9	37.8	29.4	26.2	67.8

2,000-2,499 GRAMS

	TOTAL	<28	28-31	32-35	36	37-39	40	41	42+	NOT STATED
LIVE BIRTHS........	45,858	327	1,697	13,637	6,449	17,162	3,012	1,427	1,662	485
INFANT DEATHS......	660	14	45	207	76	188	54	26	33	16
INF. MORT. RATE....	14.4	43.4	26.3	15.2	11.9	10.9	17.9	18.5	19.6	33.9

2,500-2,999 GRAMS

	TOTAL	<28	28-31	32-35	36	37-39	40	41	42+	NOT STATED
LIVE BIRTHS........	141,444	565	1,839	12,773	11,515	74,441	20,496	9,346	9,282	1,187
INFANT DEATHS......	861	6	18	113	93	390	109	57	63	11
INF. MORT. RATE....	6.1	11.0	9.9	8.8	8.1	5.2	5.3	6.1	6.8	9.4

3,000-3,499 GRAMS

	TOTAL	<28	28-31	32-35	36	37-39	40	41	42+	NOT STATED
LIVE BIRTHS........	228,037	–	1,612	9,307	8,036	111,867	50,064	25,419	20,216	

	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE	NOT STATED
INFANT DEATHS......	867	–	11	55	30	419	187	74	83	1,516... 7
INF. MORT. RATE....	3.8	–	6.9	5.9	3.7	3.7	3.7	2.9	4.1	4.7

3,500-3,999 GRAMS

	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE	NOT STATED
LIVE BIRTHS........	122,168	–	669	3,432	2,760	50,063	31,899	19,085	13,476	784
INFANT DEATHS......	387	–	7	15	12	169	90	51	37	7
INF. MORT. RATE....	3.2	–	10.7	4.4	4.4	3.4	2.8	2.7	2.7	9.2

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SEE FOOTNOTES AT END OF TABLE.

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DOCUMENTATION TABLE 3
LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY BIRTH WEIGHT, RACE OF MOTHER, AND GESTATIONAL AGE:
UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(RATES ARE PER 1000 LIVE BIRTHS)

BIRTH WEIGHT		GESTATION								
	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE	NOT STATED

BLACK

4,000-4,499 GRAMS

	TOTAL	<28 WEEKS	28-31 WEEKS	32-35 WEEKS	36 WEEKS	37-39 WEEKS	40 WEEKS	41 WEEKS	42 WEEKS OR MORE	NOT STATED
LIVE BIRTHS........	27,133	–	–	679	469	9,615	7,536	5,110	3,550	

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                              174
  INFANT DEATHS......    115       -       -       5       4      35      32      23      12
      3
  INF. MORT. RATE....    4.2       -       -     7.5     8.6     3.7     4.2     4.6     3.5
     17.6

4,500-4,999 GRAMS
  LIVE BIRTHS........  4,038       -       -      76      82   1,443   1,108     811     494
     24
  INFANT DEATHS......     10       -       -       1       -       4       2       2       1
      -
  INF. MORT. RATE....    2.5       -       -    15.1       -     2.8     1.8     2.5     2.0
      -

5,000 GRAMS OR MORE
  LIVE BIRTHS........    600       -       -      11      15     244     156      96      67
     11
  INFANT DEATHS......      9       -       -       -       -       3       1       1       1
      3
  INF. MORT. RATE....   15.2       -       -       -       -    12.4     6.4    10.5    15.0
    280.4

NOT STATED
  LIVE BIRTHS........    384       -       -       -       -       -       -       -       -
    384
  INFANT DEATHS......    137       -       -       -       -       -       -       -       -
    137
  INF. MORT. RATE....  355.9       -       -       -       -       -       -       -       -
    355.9
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1/ INCLUDES RACES OTHER THAN WHITE AND BLACK

- DATA NOT AVAILABLE.

DOCUMENTATION TABLE 4
LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY BIRTH WEIGHT, RACE OF MOTHER, AND AGE AT DEATH:
UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL,
7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
(RATES ARE PER 1000 LIVE BIRTHS)

BIRTH WEIGHT AND RACE OF MOTHER	LIVE BIRTHS	INFANT	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST-NEONATAL
ALL RACES1/						
TOTAL (ALL BIRTH WEIGHTS)...NUMBER..	3,899,589	29,302	19,184	15,482	3,703	10,117
RATE..		7.5	4.9	4.0	.9	2.6
LESS THAN 2,500 GRAMS.......NUMBER..	285,976	18,525	14,946	12,765	2,181	3,579
RATE..		64.8	52.3	44.6	7.6	12.5
LESS THAN 500 GRAMS.......NUMBER..	5,703	5,162	5,072	4,947	125	90
RATE..		905.2	889.3	867.4	21.9	15.8
500-749 GRAMS............NUMBER..	9,998	5,261	4,677	3,935	742	584
RATE..		526.2	467.8	393.6	74.2	58.4
750-999 GRAMS............NUMBER..	10,816	1,979	1,521	1,103	418	458
RATE..		183.0	140.6	102.0	38.7	42.3

BIRTH WEIGHT AND RACE OF MOTHER	LIVE BIRTHS		TOTAL	EARLY	LATE	POST-
1,000-1,249 GRAMS.........NUMBER..	12,242	1,038	743	567	176	295
RATE..		84.8	60.7	46.3	14.4	24.1
1,250-1,499 GRAMS.........NUMBER..	14,267	795	552	439	113	243
RATE..		55.7	38.7	30.8	7.9	17.0
1,500-1,999 GRAMS.........NUMBER..	55,342	1,823	1,164	899	265	659
RATE..		32.9	21.0	16.2	4.8	11.9
2,000-2,499 GRAMS.........NUMBER..	177,608	2,467	1,217	876	342	1,249
RATE..		13.9	6.9	4.9	1.9	7.0
2,500-2,999 GRAMS..........NUMBER..	640,891	3,419	1,420	911	509	1,999
RATE..		5.3	2.2	1.4	.8	3.1
3,000-3,499 GRAMS..........NUMBER..	1,438,889	4,059	1,385	786	598	2,675
RATE..		2.8	1.0	.5	.4	1.9

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DOCUMENTATION TABLE 4

LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY BIRTH WEIGHT, RACE OF MOTHER, AND AGE AT DEATH:
UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL,
7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
(RATES ARE PER 1000 LIVE BIRTHS)

		INFANT	NEONATAL	NEONATAL	NEONATAL	NEONATAL
ALL RACES1/						
3,500-3,999 GRAMS..........NUMBER..	1,129,470	2,175	774	470	303	1,402
RATE..		1.9	.7	.4	.3	1.2
4,000-4,499 GRAMS..........NUMBER..	339,910	609	241	160	82	368
RATE..		1.8	.7	.5	.2	1.1
4,500-4,999 GRAMS..........NUMBER..	56,309	113	46	33	13	66
RATE..		2.0	.8	.6	.2	1.2
5,000 GRAMS OR MORE........NUMBER..	6,466	50	35	33	2	15
RATE..		7.7	5.4	5.1	.3	2.4
NOT STATED.................NUMBER..	1,678	351	338	324	14	13
RATE..		209.4	201.4	192.8	8.6	8.0

DOCUMENTATION TABLE 4
LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY BIRTH WEIGHT, RACE OF MOTHER, AND AGE AT DEATH:
UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL,
7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
(RATES ARE PER 1000 LIVE BIRTHS)

BIRTH WEIGHT AND RACE OF MOTHER	LIVE BIRTHS	INFANT	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST-NEONATAL
WHITE						
TOTAL (ALL BIRTH WEIGHTS)...NUMBER..	3,098,885	19,461	12,709	10,106	2,603	6,752
RATE..		6.3	4.1	3.3	.8	2.2
LESS THAN 2,500 GRAMS......NUMBER..	193,083	11,587	9,468	8,047	1,421	2,119
RATE..		60.0	49.0	41.7	7.4	11.0
LESS THAN 500 GRAMS......NUMBER..	3,140	2,862	2,814	2,731	83	48
RATE..		911.4	896.2	869.6	26.6	15.2
500-749 GRAMS...........NUMBER..	5,888	3,213	2,899	2,469	430	

Birth weight		Total					
		314					
	RATE..		545.7	492.4	419.4	73.0	53.3
750-999 GRAMS	NUMBER..	6,685	1,303	1,059	772	287	244
	RATE..		194.9	158.4	115.4	42.9	36.6
1,000-1,249 GRAMS	NUMBER..	7,972	717	544	431	113	172
	RATE..		89.9	68.3	54.1	14.2	21.6
1,250-1,499 GRAMS	NUMBER..	9,358	532	387	313	74	145
	RATE..		56.8	41.4	33.4	7.9	15.4
1,500-1,999 GRAMS	NUMBER..	37,525	1,256	835	654	181	421
	RATE..		33.5	22.3	17.4	4.8	11.2
2,000-2,499 GRAMS	NUMBER..	122,515	1,705	930	677	252	775
	RATE..		13.9	7.6	5.5	2.1	6.3
2,500-2,999 GRAMS	NUMBER..	458,899	2,385	1,061	691	370	1,324
	RATE..		5.2	2.3	1.5	.8	2.9
3,000-3,499 GRAMS	NUMBER..	1,130,307	3,000	1,098	624	473	1,902
	RATE..		2.7	1.0	.6	.4	1.7

DOCUMENTATION TABLE 4
LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY BIRTH WEIGHT, RACE OF MOTHER, AND AGE AT DEATH:

UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL,
7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
(RATES ARE PER 1000 LIVE BIRTHS)

BIRTH WEIGHT AND RACE OF MOTHER	LIVE BIRTHS	INFANT	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST-NEONATAL
WHITE						
3,500-3,999 GRAMS..........NUMBER..	958,758	1,691	635	385	250	1,056
RATE..		1.8	.7	.4	.3	1.1
4,000-4,499 GRAMS..........NUMBER..	300,735	470	194	127	67	276
RATE..		1.6	.6	.4	.2	.9
4,500-4,999 GRAMS..........NUMBER..	50,333	93	37	24	13	56
RATE..		1.8	.7	.5	.3	1.1
5,000 GRAMS OR MORE........NUMBER..	5,602	39	28	26	2	11
RATE..		6.9	4.9	4.6	.4	2.0
NOT STATED.................NUMBER..	1,168	197	189	182	6	8
RATE..		168.7	161.6	156.2	5.3	7.1

DOCUMENTATION TABLE 4
LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY BIRTH WEIGHT, RACE OF MOTHER, AND AGE AT DEATH:
UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL,
7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
(RATES ARE PER 1000 LIVE BIRTHS)

BIRTH WEIGHT AND RACE OF MOTHER	LIVE BIRTHS	INFANT	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST- NEONATAL
BLACK						
TOTAL (ALL BIRTH WEIGHTS)...NUMBER..	603,139	8,674	5,788	4,821	967	2,887
RATE..		14.4	9.6	8.0	1.6	4.8
LESS THAN 2,500 GRAMS.......NUMBER..	79,335	6,289	4,982	4,291	691	1,306

	RATE..		79.3	62.8	54.1	8.7	16.5
LESS THAN 500 GRAMS	NUMBER..	2,421	2,173	2,134	2,093	40	40
	RATE..		897.6	881.3	864.6	16.7	16.3
500-749 GRAMS	NUMBER..	3,800	1,888	1,638	1,344	294	250
	RATE..		496.9	431.0	353.6	77.4	65.9
750-999 GRAMS	NUMBER..	3,748	600	411	295	117	189
	RATE..		160.2	109.8	78.6	31.1	50.4
1,000-1,249 GRAMS	NUMBER..	3,801	281	171	115	57	109
	RATE..		73.9	45.1	30.1	14.9	28.8
1,250-1,499 GRAMS	NUMBER..	4,323	215	127	93	35	87
	RATE..		49.7	29.5	21.5	8.0	20.2
1,500-1,999 GRAMS	NUMBER..	15,384	472	262	192	70	210
	RATE..		30.7	17.0	12.5	4.5	13.6
2,000-2,499 GRAMS	NUMBER..	45,858	660	239	161	78	421
	RATE..		14.4	5.2	3.5	1.7	9.2
2,500-2,999 GRAMS	NUMBER..	141,444	861	287	172	115	574
	RATE..		6.1	2.0	1.2	.8	4.1
3,000-3,499 GRAMS	NUMBER..	228,037	867	224	124	100	

643

| | | RATE.. | 3.8 | 1.0 | .5 | .4 | 2.8 |

DOCUMENTATION TABLE 4
LIVE BIRTHS, INFANT DEATHS, AND INFANT MORTALITY RATES BY BIRTH WEIGHT, RACE OF MOTHER, AND AGE AT DEATH:
UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL,
7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
(RATES ARE PER 1000 LIVE BIRTHS)

BIRTH WEIGHT AND RACE OF MOTHER	LIVE BIRTHS	INFANT	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST-NEONATAL
BLACK						
3,500-3,999 GRAMS..........NUMBER..	122,168	387	111	68	44	276
RATE..		3.2	.9	.6	.4	2.3
4,000-4,499 GRAMS..........NUMBER..	27,133	115	41	29	12	74
RATE..		4.2	1.5	1.1	.4	2.7
4,500-4,999 GRAMS..........NUMBER..	4,038	10	6	6	-	4
RATE..		2.5	1.5	1.5	-	1.0
5,000 GRAMS OR MORE........NUMBER..	600	9	5	5	-	4
RATE..		15.2	8.5	8.5	-	6.7

```
          NOT STATED.................NUMBER..      384          137          132          126            5
5
                                     RATE..                    355.9        342.5        329.2         13.3
13.4


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          1/   INCLUDES RACES OTHER THAN WHITE AND BLACK
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DOCUMENTATION TABLE 5
LIVE BIRTHS BY BIRTH WEIGHT AND RACE OF MOTHER AND INFANT DEATHS AND INFANT MORTALITY RATES BY AGE AT DEATH, BIRTH
WEIGHT, AND RACE OF MOTHER FOR 10 MAJOR CAUSES OF INFANT DEATH: UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL,
7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
(RATES ARE PER 100,000 LIVE BIRTHS)

CAUSE OF DEATH, BIRTH WEIGHT, AND RACE OF MOTHER	LIVE BIRTHS	INFANT DEATHS	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST-NEONATAL
ALL RACES 1/ **ALL BIRTH WEIGHTS**						
ALL CAUSES................................NUMBER...	3,899,589	29,302	19,184	15,482	3,703	10,117
RATE..		751.4	492.0	397.0	94.9	259.4
CONGENITAL ANOMALIES (740-759).......NUMBER...		6,585	4,785	3,652	1,133	1,800
RATE..		168.9	122.7	93.6	29.1	46.2
PREMATURITY (765)....................NUMBER...		3,909	3,855	3,783	72	54
RATE..		100.2	98.9	97.0	1.8	1.4
SUDDEN INFANT DEATH SYNDROME (798.0)..NUMBER...		3,255	225	27	197	3,031
RATE..		83.5	5.8	.7	5.1	77.7
RESPIRATORY DISTRESS SYNDROME (769)...NUMBER...		1,462	1,368	1,128	240	94
RATE..		37.5	35.1	28.9	6.2	2.4
MATERNAL COMPLICATIONS (761)..........NUMBER...		1,315	1,307	1,296	11	8
RATE..		33.7	33.5	33.2	.3	.2
COMPLICATIONS OF PLACENTA,ETC. (762)..NUMBER...		957	939	900	39	18
RATE..		24.5	24.1	23.1	1.0	.5
ACCIDENTS (E800-E949)................NUMBER...		762	68	35	33	694
RATE..		19.5	1.7	.9	.9	17.8
INFECTIONS (771)....................NUMBER...		795	738	377	360	57
RATE..		20.4	18.9	9.7	9.2	1.5
PNEUMONIA AND INFLUENZA (480-487).....NUMBER...		534	110	40	70	424
RATE..		13.7	2.8	1.0	1.8	10.9
HYPOXIA AND ASPHYXIA (768)...........NUMBER...		469	420	344	75	50
RATE..		12.0	10.8	8.8	1.9	1.3
ALL OTHER CAUSES........................NUMBER...		9,259	5,371	3,899	1,471	3,888

                                      DOCUMENTATION TABLE 5
      LIVE BIRTHS BY BIRTH WEIGHT AND RACE OF MOTHER AND INFANT DEATHS AND INFANT MORTALITY RATES BY AGE AT DEATH, BIRTH
           WEIGHT, AND RACE OF MOTHER FOR 10 MAJOR CAUSES OF INFANT DEATH: UNITED STATES, 1995 BIRTH COHORT DATA
                                        (INFANT DEATHS WEIGHTED)
        (INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL,
                     7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
                                     (RATES ARE PER 100,000 LIVE BIRTHS)

CAUSE OF DEATH, BIRTH WEIGHT, AND RACE OF MOTHER	LIVE BIRTHS	INFANT DEATHS	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST- NEONATAL
ALL RACES 1/						
LESS THAN 2,500 GRAMS						
ALL CAUSES...............................NUMBER...	285,976	18,525	14,946	12,765	2,181	3,579
RATE..		6,477.8	5,226.3	4,463.7	762.6	1,251.4
CONGENITAL ANOMALIES (740-759).......NUMBER...		3,543	2,828	2,393	435	714
RATE..		1,238.8	989.0	836.9	152.2	249.8
PREMATURITY (765)....................NUMBER...		3,728	3,675	3,604	71	54
RATE..		1,303.8	1,284.9	1,260.1	24.8	18.8
SUDDEN INFANT DEATH SYNDROME (798.0)..NUMBER...		678	44	5	39	634
RATE..		237.0	15.3	1.8	13.5	221.8
RESPIRATORY DISTRESS SYNDROME (769)...NUMBER...		1,412	1,333	1,102	231	78
RATE..		493.6	466.2	385.4	80.8	27.4
MATERNAL COMPLICATIONS (761).........NUMBER...		1,272	1,264	1,253	11	8
RATE..		444.7	441.8	438.0	3.9	2.8
COMPLICATIONS OF PLACENTA,ETC. (762)..NUMBER...		814	801	775	25	13
RATE..		284.6	280.0	271.1	8.9	4.6
ACCIDENTS (E800-E949)................NUMBER...		132	16	14	2	116
RATE..		46.3	5.7	5.0	.7	40.6
INFECTIONS (771).....................NUMBER...		621	573	279	294	48
RATE..		217.1	200.4	97.6	102.8	16.7
PNEUMONIA AND INFLUENZA (480-487).....NUMBER...		236	63	19	44	173
RATE..		82.4	22.1	6.8	15.3	60.4
HYPOXIA AND ASPHYXIA (768)...........NUMBER...		204	195	167	27	9
RATE..		71.3	68.1	58.5	9.6	3.2

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ALL OTHER CAUSES.........................NUMBER...        5,886    4,155    3,153    1,002    1,731
                                         RATE..         2,058.1  1,452.8  1,102.5    350.2    605.3
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DOCUMENTATION TABLE 5

LIVE BIRTHS BY BIRTH WEIGHT AND RACE OF MOTHER AND INFANT DEATHS AND INFANT MORTALITY RATES BY AGE AT DEATH, BIRTH WEIGHT, AND RACE OF MOTHER FOR 10 MAJOR CAUSES OF INFANT DEATH: UNITED STATES, 1995 BIRTH COHORT DATA

(INFANT DEATHS WEIGHTED)

(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL, 7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)

(RATES ARE PER 100,000 LIVE BIRTHS)

CAUSE OF DEATH, BIRTH WEIGHT, AND RACE OF MOTHER	LIVE BIRTHS	INFANT DEATHS	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST-NEONATAL
ALL RACES 1/						
2,500 GRAMS OR MORE						
ALL CAUSES.................................NUMBER...	3,611,935	10,426	3,900	2,393	1,507	6,525
RATE..		288.6	108.0	66.3	41.7	180.7
CONGENITAL ANOMALIES (740-759)........NUMBER...		2,992	1,910	1,217	694	1,082
RATE..		82.8	52.9	33.7	19.2	30.0
PREMATURITY (765)....................NUMBER...		42	42	41	1	-
RATE..		1.2	1.2	1.1	.0	-
SUDDEN INFANT DEATH SYNDROME (798.0)..NUMBER...		2,573	181	22	159	2,393
RATE..		71.2	5.0	.6	4.4	66.2
RESPIRATORY DISTRESS SYNDROME (769)...NUMBER...		41	26	19	7	15
RATE..		1.1	.7	.5	.2	.4
MATERNAL COMPLICATIONS (761)..........NUMBER...		9	9	9	-	-
RATE..		.3	.3	.3	-	-
COMPLICATIONS OF PLACENTA,ETC. (762)..NUMBER...		121	116	104	12	5
RATE..		3.4	3.2	2.9	.3	.1
ACCIDENTS (E800-E949).................NUMBER...		630	52	20	31	578
RATE..		17.4	1.4	.6	.9	16.0
INFECTIONS (771).......................NUMBER...		166	158	95	63	8
RATE..		4.6	4.4	2.6	1.8	.2
PNEUMONIA AND INFLUENZA (480-487).....NUMBER...		297	47	20	26	250
RATE..		8.2	1.3	.6	.7	6.9
HYPOXIA AND ASPHYXIA (768)............NUMBER...		254	213	165	48	41

| | RATE.. | 7.0 | 5.9 | 4.6 | 1.3 | 1.1 |

| ALL OTHER CAUSES.........................NUMBER... | 3,300 | 1,146 | 680 | 466 | 2,154 |
| RATE.. | 91.4 | 31.7 | 18.8 | 12.9 | 59.6 |

DOCUMENTATION TABLE 5
LIVE BIRTHS BY BIRTH WEIGHT AND RACE OF MOTHER AND INFANT DEATHS AND INFANT MORTALITY RATES BY AGE AT DEATH, BIRTH
WEIGHT, AND RACE OF MOTHER FOR 10 MAJOR CAUSES OF INFANT DEATH: UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL,
7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
(RATES ARE PER 100,000 LIVE BIRTHS)

CAUSE OF DEATH, BIRTH WEIGHT, AND RACE OF MOTHER	LIVE BIRTHS	INFANT DEATHS	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST-NEONATAL
ALL RACES 1/						
NOT STATED BIRTH WEIGHT						
ALL CAUSES................................NUMBER...	1,678	351	338	324	14	13
RATE..		20,942.5	20,142.4	19,280.9	861.4	800.1
CONGENITAL ANOMALIES (740-759)........NUMBER...		51	46	42	4	4
RATE..		3,009.8	2,761.9	2,509.5	252.4	247.9
PREMATURITY (765).....................NUMBER...		138	138	138	-	-
RATE..		8,250.8	8,250.8	8,250.8	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)..NUMBER...		4	-	-	-	4
RATE..		245.9	-	-	-	245.9
RESPIRATORY DISTRESS SYNDROME (769)...NUMBER...		9	9	7	2	-
RATE..		552.4	552.4	430.2	122.1	-
MATERNAL COMPLICATIONS (761)..........NUMBER...		34	34	34	-	-
RATE..		2,033.3	2,033.3	2,033.3	-	-
COMPLICATIONS OF PLACENTA,ETC. (762)..NUMBER...		22	22	21	1	-
RATE..		1,286.5	1,286.5	1,225.9	60.6	-
ACCIDENTS (E800-E949).................NUMBER...		-	-	-	-	-
RATE..		-	-	-	-	-
INFECTIONS (771)......................NUMBER...		7	6	3	3	1
RATE..		432.3	372.5	187.8	184.7	59.8
PNEUMONIA AND INFLUENZA (480-487).....NUMBER...		1	-	-	-	1
RATE..		65.4	-	-	-	65.4

```
HYPOXIA AND ASPHYXIA (768)............NUMBER...                    12        12        12         -         -
                                      RATE..                    701.2     701.2     701.2         -         -

ALL OTHER CAUSES.......................NUMBER...                    73        70        66         4         3
                                      RATE..                  4,364.8   4,183.7   3,942.1     241.6     181.1
```

                                                        - 5 -
LIVE BIRTHS BY BIRTH WEIGHT AND RACE OF MOTHER AND INFANT DEATHS AND INFANT MORTALITY RATES BY AGE AT DEATH, BIRTH
     WEIGHT, AND RACE OF MOTHER FOR 10 MAJOR CAUSES OF INFANT DEATH: UNITED STATES, 1995 BIRTH COHORT DATA
                                        (INFANT DEATHS WEIGHTED)
        (INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL,
                        7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
                                     (RATES ARE PER 100,000 LIVE BIRTHS)

CAUSE OF DEATH, BIRTH WEIGHT, AND RACE OF MOTHER	LIVE BIRTHS	INFANT DEATHS	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST-NEONATAL
WHITE						
ALL BIRTH WEIGHTS						
ALL CAUSES................................NUMBER...	3,098,885	19,461	12,709	10,106	2,603	6,752
RATE..		628.0	410.1	326.1	84.0	217.9
CONGENITAL ANOMALIES (740-759).......NUMBER...		5,176	3,815	2,900	915	1,361
RATE..		167.0	123.1	93.6	29.5	43.9
PREMATURITY (765)....................NUMBER...		2,041	2,016	1,975	42	24
RATE..		65.9	65.1	63.7	1.3	.8
SUDDEN INFANT DEATH SYNDROME (798.0)..NUMBER...		2,144	145	16	129	1,999
RATE..		69.2	4.7	.5	4.2	64.5
RESPIRATORY DISTRESS SYNDROME (769)...NUMBER...		939	878	722	156	61
RATE..		30.3	28.3	23.3	5.0	2.0
MATERNAL COMPLICATIONS (761).........NUMBER...		840	835	828	7	5
RATE..		27.1	27.0	26.7	.2	.2
COMPLICATIONS OF PLACENTA,ETC. (762)..NUMBER...		669	655	623	31	14
RATE..		21.6	21.1	20.1	1.0	.5
ACCIDENTS (E800-E949)................NUMBER...		534	47	24	22	487
RATE..		17.2	1.5	.8	.7	15.7
INFECTIONS (771).....................NUMBER...		534	498	256	242	37
RATE..		17.2	16.1	8.3	7.8	1.2
PNEUMONIA AND INFLUENZA (480-487).....NUMBER...		333	66	28	39	267

| | | RATE.. | 10.8 | 2.1 | .9 | 1.2 | 8.6 |

HYPOXIA AND ASPHYXIA (768)............NUMBER...   337   302   249   53   34
                                       RATE..   10.9   9.8   8.0   1.7   1.1

ALL OTHER CAUSES.........................NUMBER... 5,913 3,451 2,483   968 2,462
                                       RATE..   190.8 111.4   80.1   31.2   79.4

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DOCUMENTATION TABLE 5
LIVE BIRTHS BY BIRTH WEIGHT AND RACE OF MOTHER AND INFANT DEATHS AND INFANT MORTALITY RATES BY AGE AT DEATH, BIRTH
WEIGHT, AND RACE OF MOTHER FOR 10 MAJOR CAUSES OF INFANT DEATH: UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL,
7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
(RATES ARE PER 100,000 LIVE BIRTHS)

CAUSE OF DEATH, BIRTH WEIGHT, AND RACE OF MOTHER	LIVE BIRTHS	INFANT DEATHS	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST- NEONATAL
WHITE						
LESS THAN 2,500 GRAMS						
ALL CAUSES................................NUMBER...	193,083	11,587	9,468	8,047	1,421	2,119
RATE..		6,001.1	4,903.7	4,167.7	736.0	1,097.4
CONGENITAL ANOMALIES (740-759)........NUMBER...		2,705	2,211	1,878	334	494
RATE..		1,401.1	1,145.3	972.5	172.8	255.8
PREMATURITY (765)....................NUMBER...		1,955	1,931	1,889	42	24
RATE..		1,012.5	999.9	978.4	21.5	12.7
SUDDEN INFANT DEATH SYNDROME (798.0)..NUMBER...		383	27	3	24	355
RATE..		198.1	14.2	1.6	12.6	184.0
RESPIRATORY DISTRESS SYNDROME (769)...NUMBER...		903	853	704	149	50
RATE..		467.5	441.6	364.5	77.1	25.9
MATERNAL COMPLICATIONS (761)..........NUMBER...		811	806	799	7	5
RATE..		420.1	417.5	413.8	3.6	2.6
COMPLICATIONS OF PLACENTA,ETC. (762)..NUMBER...		557	548	526	21	9
RATE..		288.4	283.7	272.6	11.1	4.8
ACCIDENTS (E800-E949)................NUMBER...		80	10	9	1	69
RATE..		41.2	5.3	4.8	.5	35.9
INFECTIONS (771).....................NUMBER...		396	366	179	187	29
RATE..		205.0	189.7	92.7	97.1	15.3

```
PNEUMONIA AND INFLUENZA (480-487).....NUMBER...        127       32       10       21       96
                                       RATE..          65.9     16.4      5.3     11.0     49.6

HYPOXIA AND ASPHYXIA (768)...........NUMBER...          131      124      109       15        7
                                       RATE..          67.9     64.2     56.3      7.9      3.7

ALL OTHER CAUSES.........................NUMBER...     3,540    2,560    1,941      619      979
                                       RATE..        1,833.3  1,326.0  1,005.2    320.8    507.3
```

DOCUMENTATION TABLE 5

LIVE BIRTHS BY BIRTH WEIGHT AND RACE OF MOTHER AND INFANT DEATHS AND INFANT MORTALITY RATES BY AGE AT DEATH, BIRTH WEIGHT, AND RACE OF MOTHER FOR 10 MAJOR CAUSES OF INFANT DEATH: UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL, 7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
(RATES ARE PER 100,000 LIVE BIRTHS)

CAUSE OF DEATH, BIRTH WEIGHT, AND RACE OF MOTHER	LIVE BIRTHS	INFANT DEATHS	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST-NEONATAL
WHITE						
2,500 GRAMS OR MORE						
ALL CAUSES...............................NUMBER...	2,904,634	7,677	3,052	1,877	1,176	4,625
RATE..		264.3	105.1	64.6	40.5	159.2
CONGENITAL ANOMALIES (740-759)........NUMBER...		2,434	1,570	991	579	864
RATE..		83.8	54.0	34.1	19.9	29.8
PREMATURITY (765)....................NUMBER...		23	23	23	–	–
RATE..		.8	.8	.8	–	–
SUDDEN INFANT DEATH SYNDROME (798.0)..NUMBER...		1,760	118	13	105	1,642
RATE..		60.6	4.1	.5	3.6	56.5
RESPIRATORY DISTRESS SYNDROME (769)...NUMBER...		32	21	13	7	11
RATE..		1.1	.7	.5	.2	.4
MATERNAL COMPLICATIONS (761)..........NUMBER...		7	7	7	–	–
RATE..		.3	.3	.3	–	–
COMPLICATIONS OF PLACENTA,ETC. (762)..NUMBER...		98	93	83	10	5
RATE..		3.4	3.2	2.8	.3	.2
ACCIDENTS (E800-E949)................NUMBER...		455	37	15	21	418
RATE..		15.6	1.3	.5	.7	14.4
INFECTIONS (771).....................NUMBER...		135	128	76	52	7

RATE..	4.7	4.4	2.6	1.8	.2
PNEUMONIA AND INFLUENZA (480-487).....NUMBER...	205	35	17	17	170
RATE..	7.1	1.2	.6	.6	5.9
HYPOXIA AND ASPHYXIA (768)...........NUMBER...	198	171	133	38	27
RATE..	6.8	5.9	4.6	1.3	.9
ALL OTHER CAUSES......................NUMBER...	2,331	850	504	346	1,480
RATE..	80.2	29.3	17.4	11.9	51.0

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DOCUMENTATION TABLE 5

LIVE BIRTHS BY BIRTH WEIGHT AND RACE OF MOTHER AND INFANT DEATHS AND INFANT MORTALITY RATES BY AGE AT DEATH, BIRTH
WEIGHT, AND RACE OF MOTHER FOR 10 MAJOR CAUSES OF INFANT DEATH: UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL,
7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
(RATES ARE PER 100,000 LIVE BIRTHS)

CAUSE OF DEATH, BIRTH WEIGHT, AND RACE OF MOTHER	LIVE BIRTHS	INFANT DEATHS	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST- NEONATAL
WHITE						
NOT STATED BIRTH WEIGHT						
ALL CAUSES...............................NUMBER...	1,168	197	189	182	6	8
RATE..		16,865.5	16,157.3	15,624.2	533.1	708.3
CONGENITAL ANOMALIES (740-759).......NUMBER...		37	34	32	2	3
RATE..		3,160.1	2,891.5	2,709.3	182.2	268.7
PREMATURITY (765)....................NUMBER...		62	62	62	-	-
RATE..		5,335.3	5,335.3	5,335.3	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)..NUMBER...		2	-	-	-	2
RATE..		173.0	-	-	-	173.0
RESPIRATORY DISTRESS SYNDROME (769)...NUMBER...		5	5	5	-	-
RATE..		444.9	444.9	444.9	-	-
MATERNAL COMPLICATIONS (761)..........NUMBER...		22	22	22	-	-
RATE..		1,873.2	1,873.2	1,873.2	-	-
COMPLICATIONS OF PLACENTA,ETC. (762)..NUMBER...		15	15	15	-	-
RATE..		1,243.8	1,243.8	1,243.8	-	-
ACCIDENTS (E800-E949).................NUMBER...		-	-	-	-	-
RATE..		-	-	-	-	-

```
INFECTIONS (771)......................NUMBER...              3         3         1         2         -
                                      RATE..             275.9     275.9      98.1     177.8         -

PNEUMONIA AND INFLUENZA (480-487).....NUMBER...              1         -         -         -         1
                                      RATE..              94.0         -         -         -      94.0

HYPOXIA AND ASPHYXIA (768)...........NUMBER...              8         8         8         -         -
                                      RATE..             653.0     653.0     653.0         -         -

ALL OTHER CAUSES......................NUMBER...             42        40        38         2         2
                                      RATE..           3,612.2   3,439.6   3,266.4     173.1     172.6
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DOCUMENTATION TABLE 5

LIVE BIRTHS BY BIRTH WEIGHT AND RACE OF MOTHER AND INFANT DEATHS AND INFANT MORTALITY RATES BY AGE AT DEATH, BIRTH
WEIGHT, AND RACE OF MOTHER FOR 10 MAJOR CAUSES OF INFANT DEATH: UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL,
7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
(RATES ARE PER 100,000 LIVE BIRTHS)

CAUSE OF DEATH, BIRTH WEIGHT, AND RACE OF MOTHER	LIVE BIRTHS	INFANT DEATHS	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST- NEONATAL
BLACK, ALL BIRTH WEIGHTS						
ALL CAUSES................................NUMBER...	603,139	8,674	5,788	4,821	967	2,887
RATE..		1,438.2	959.6	799.3	160.3	478.6
CONGENITAL ANOMALIES (740-759)........NUMBER...		1,140	771	595	176	368
RATE..		189.0	127.9	98.7	29.2	61.1
PREMATURITY (765)....................NUMBER...		1,776	1,748	1,720	28	27
RATE..		294.4	289.9	285.2	4.7	4.5
SUDDEN INFANT DEATH SYNDROME (798.0)..NUMBER...		970	68	9	59	902
RATE..		160.9	11.3	1.5	9.8	149.6
RESPIRATORY DISTRESS SYNDROME (769)...NUMBER...		490	458	377	81	31
RATE..		81.2	76.0	62.5	13.5	5.2
MATERNAL COMPLICATIONS (761)..........NUMBER...		442	439	435	4	3
RATE..		73.3	72.8	72.1	.7	.5
COMPLICATIONS OF PLACENTA,ETC. (762)..NUMBER...		247	243	237	5	4
RATE..		40.9	40.2	39.4	.8	.7
ACCIDENTS (E800-E949).................NUMBER...		195	20	10	10	175

RATE..	32.3	3.4	1.7	1.7	29.0
INFECTIONS (771)......................NUMBER...	234	216	104	112	18
RATE..	38.8	35.7	17.2	18.5	3.0
PNEUMONIA AND INFLUENZA (480-487).....NUMBER...	160	38	9	28	122
RATE..	26.6	6.2	1.5	4.7	20.3
HYPOXIA AND ASPHYXIA (768)...........NUMBER...	115	101	79	21	14
RATE..	19.0	16.7	13.1	3.5	2.4
ALL OTHER CAUSES.......................NUMBER...	2,907	1,686	1,244	442	1,221
RATE..	481.9	279.5	206.3	73.2	202.4

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DOCUMENTATION TABLE 5

LIVE BIRTHS BY BIRTH WEIGHT AND RACE OF MOTHER AND INFANT DEATHS AND INFANT MORTALITY RATES BY AGE AT DEATH, BIRTH
WEIGHT, AND RACE OF MOTHER FOR 10 MAJOR CAUSES OF INFANT DEATH: UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL,
7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
(RATES ARE PER 100,000 LIVE BIRTHS)

CAUSE OF DEATH, BIRTH WEIGHT, AND RACE OF MOTHER	LIVE BIRTHS	INFANT DEATHS	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST-NEONATAL
BLACK **LESS THAN 2,500 GRAMS**						
ALL CAUSES...............................NUMBER...	79,335	6,289	4,982	4,291	691	1,306
RATE..		7,926.5	6,280.0	5,409.2	870.8	1,646.6
CONGENITAL ANOMALIES (740-759)........NUMBER...		692	500	416	84	192
RATE..		872.3	630.7	524.6	106.1	241.6
PREMATURITY (765)....................NUMBER...		1,687	1,660	1,633	27	27
RATE..		2,126.7	2,092.3	2,057.8	34.5	34.5
SUDDEN INFANT DEATH SYNDROME (798.0)..NUMBER...		275	15	2	13	260
RATE..		346.5	19.2	2.6	16.6	327.3
RESPIRATORY DISTRESS SYNDROME (769)...NUMBER...		477	449	370	79	27
RATE..		600.7	566.1	466.4	99.7	34.6
MATERNAL COMPLICATIONS (761)..........NUMBER...		428	425	421	4	3
RATE..		539.0	535.2	530.1	5.1	3.9
COMPLICATIONS OF PLACENTA,ETC. (762)..NUMBER...		225	221	217	4	4
RATE..		283.9	278.8	273.7	5.1	5.1

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ACCIDENTS (E800-E949)................NUMBER...          47         6         5         1        41
                                       RATE..          58.8       7.6       6.3       1.3      51.2

INFECTIONS (771).....................NUMBER...         202       186        86       100        16
                                       RATE..         255.2     234.7     108.2     126.6      20.4

PNEUMONIA AND INFLUENZA (480-487).....NUMBER...          96        27         7        20        69
                                       RATE..         121.2      34.6       9.1      25.6      86.6

HYPOXIA AND ASPHYXIA (768)...........NUMBER...          66        64        51        12         2
                                       RATE..          82.6      80.1      64.7      15.3       2.5

ALL OTHER CAUSES.....................NUMBER...       2,094     1,429     1,083       345       665
                                       RATE..       2,639.5   1,800.7   1,365.6     435.0     838.8
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DOCUMENTATION TABLE 5

LIVE BIRTHS BY BIRTH WEIGHT AND RACE OF MOTHER AND INFANT DEATHS AND INFANT MORTALITY RATES BY AGE AT DEATH, BIRTH
WEIGHT, AND RACE OF MOTHER FOR 10 MAJOR CAUSES OF INFANT DEATH: UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL,
7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
(RATES ARE PER 100,000 LIVE BIRTHS)

CAUSE OF DEATH, BIRTH WEIGHT, AND RACE OF MOTHER	LIVE BIRTHS	INFANT DEATHS	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST- NEONATAL
BLACK, 2,500 GRAMS OR MORE						
ALL CAUSES...............................NUMBER...	523,420	2,249	674	403	271	1,575
RATE..		429.7	128.8	77.0	51.8	300.9
CONGENITAL ANOMALIES (740-759).......NUMBER...		439	263	172	91	176
RATE..		83.8	50.2	32.8	17.4	33.6
PREMATURITY (765)....................NUMBER...		16	16	15	1	-
RATE..		3.1	3.1	2.9	.2	-
SUDDEN INFANT DEATH SYNDROME (798.0)..NUMBER...		693	53	7	46	640
RATE..		132.4	10.1	1.4	8.7	122.3
RESPIRATORY DISTRESS SYNDROME (769)...NUMBER...		9	5	5	-	4
RATE..		1.7	1.0	1.0	-	.8
MATERNAL COMPLICATIONS (761)..........NUMBER...		2	2	2	-	-
RATE..		.4	.4	.4	-	-
COMPLICATIONS OF PLACENTA,ETC. (762)..NUMBER...		16	16	15	1	-

	RATE..	3.1	3.1	2.9	.2	-
ACCIDENTS (E800-E949).................NUMBER...		148	14	5	9	134
	RATE..	28.3	2.7	1.0	1.7	25.6
INFECTIONS (771)....................NUMBER...		28	27	17	10	1
	RATE..	5.4	5.2	3.3	2.0	.2
PNEUMONIA AND INFLUENZA (480-487).....NUMBER...		64	10	2	8	54
	RATE..	12.2	1.9	.4	1.6	10.3
HYPOXIA AND ASPHYXIA (768)...........NUMBER...		45	33	24	9	12
	RATE..	8.6	6.3	4.5	1.8	2.3
ALL OTHER CAUSES.......................NUMBER...		788	234	138	96	554
	RATE..	150.5	44.6	26.4	18.3	105.9

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DOCUMENTATION TABLE 5

LIVE BIRTHS BY BIRTH WEIGHT AND RACE OF MOTHER AND INFANT DEATHS AND INFANT MORTALITY RATES BY AGE AT DEATH, BIRTH
WEIGHT, AND RACE OF MOTHER FOR 10 MAJOR CAUSES OF INFANT DEATH: UNITED STATES, 1995 BIRTH COHORT DATA
(INFANT DEATHS WEIGHTED)
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL, 0-6 DAYS; LATE NEONATAL,
7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
(RATES ARE PER 100,000 LIVE BIRTHS)

CAUSE OF DEATH, BIRTH WEIGHT, AND RACE OF MOTHER	LIVE BIRTHS	INFANT DEATHS	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST-NEONATAL
BLACK						
NOT STATED BIRTH WEIGHT						
ALL CAUSES...............................NUMBER...	384	137	132	126	5	5
RATE..		35,587.5	34,245.6	32,918.4	1,327.2	1,342.0
CONGENITAL ANOMALIES (740-759)........NUMBER...		9	8	7	1	1
RATE..		2,379.9	2,113.7	1,850.7	263.1	266.2
PREMATURITY (765)....................NUMBER...		72	72	72	-	-
RATE..		18,766.1	18,766.1	18,766.1	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)..NUMBER...		2	-	-	-	2
RATE..		548.3	-	-	-	548.3
RESPIRATORY DISTRESS SYNDROME (769)...NUMBER...		4	4	2	2	-
RATE..		1,060.6	1,060.6	526.9	533.7	-
MATERNAL COMPLICATIONS (761)..........NUMBER...		12	12	12	-	-
RATE..		3,187.6	3,187.6	3,187.6	-	-
COMPLICATIONS OF PLACENTA,ETC. (762)..NUMBER...		5	5	5	-	-
RATE..		1,313.2	1,313.2	1,313.2	-	-

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ACCIDENTS (E800-E949).................NUMBER...          -          -          -          -          -
                                      RATE..          -          -          -          -          -

INFECTIONS (771).....................NUMBER...          3          2          1          1          1
                                      RATE..      789.2      528.0      261.8      266.2      261.3

PNEUMONIA AND INFLUENZA (480-487).....NUMBER...          -          -          -          -          -
                                      RATE..          -          -          -          -          -

HYPOXIA AND ASPHYXIA (768)...........NUMBER...          4          4          4          -          -
                                      RATE..    1,077.8    1,077.8    1,077.8          -          -

ALL OTHER CAUSES........................NUMBER...       25         24         23          1          1
                                      RATE..    6,464.8    6,198.6    5,934.3      264.3      266.2
_____
    1/   INCLUDES RACES OTHER THAN WHITE AND BLACK
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DOCUMENTATION TABLE 6
UNLINKED INFANT DEATHS BY RACE, AGE AT DEATH, AND STATE OF RESIDENCE:
UNITED STATES, PUERTO RICO, VIRGIN ISLANDS, GUAM -- 1995 BIRTH COHORT DATA
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL,
0-6 DAYS; LATE NEONATAL, 7-27 DAYS; AND POSTNEONATAL, 28 DAYS THROUGH 11 MONTHS)
(DATA IN THIS TABLE IS FOR INFANT DEATHS IN 1995 OR 1996 THAT ARE NOT INCLUDED IN THE LINKED FILE BECAUSE
THEY WERE NOT LINKED WITH THEIR CORRESPONDING BIRTH CERTIFICATES. SEE METHODOLOGY SECTION. RESIDENCE IS
OF INFANT DECEDENT; RACE IS FROM DEATH CERTIFICATE.)

AREA AND RACE OF CHILD 1/	INFANT	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST-NEONATAL
UNITED STATES 2/..................................	704	530	465	65	174
WHITE..	458	333	287	46	125
BLACK..	218	178	161	17	40
ALABAMA...	-	-	-	-	-
WHITE..	-	-	-	-	-
BLACK..	-	-	-	-	-
ALASKA..	1	-	-	-	1
WHITE..	1	-	-	-	1
BLACK..	-	-	-	-	-
ARIZONA...	10	3	2	1	7
WHITE..	7	2	1	1	5
BLACK..	1	-	-	-	1
ARKANSAS..	1	1	1	-	-
WHITE..	-	-	-	-	-
BLACK..	1	1	1	-	-
CALIFORNIA..	184	147	128	19	37
WHITE..	149	119	102	17	30
BLACK..	28	22	21	1	6
COLORADO..	1	1	1	-	-
WHITE..	1	1	1	-	-
BLACK..	-	-	-	-	-

```
CONNECTICUT.........................................      1         1         1         -         -
    WHITE...........................................      1         1         1         -         -
    BLACK...........................................      -         -         -         -         -

DELAWARE............................................      -         -         -         -         -
    WHITE...........................................      -         -         -         -         -
    BLACK...........................................      -         -         -         -         -
```

DOCUMENTATION TABLE 6
UNLINKED INFANT DEATHS BY RACE, AGE AT DEATH, AND STATE OF RESIDENCE:
UNITED STATES, PUERTO RICO, VIRGIN ISLANDS, GUAM -- 1995 BIRTH COHORT DATA
(INFANT DEATHS ARE UNDER 1 YEAR. NEONATAL DEATHS ARE UNDER 28 DAYS; EARLY NEONATAL,
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OF INFANT DECEDENT; RACE IS FROM DEATH CERTIFICATE.)

AREA AND RACE OF CHILD 1/	INFANT	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST- NEONATAL
DISTRICT OF COLUMBIA...............................	1	1	1	-	-
WHITE......................................	-	-	-	-	-
BLACK......................................	1	1	1	-	-
FLORIDA..	3	2	1	1	1
WHITE......................................	3	2	1	1	1
BLACK......................................	-	-	-	-	-
GEORGIA..	3	-	-	-	3
WHITE......................................	2	-	-	-	2
BLACK......................................	-	-	-	-	-
HAWAII...	2	1	-	1	1
WHITE......................................	-	-	-	-	-
BLACK......................................	1	1	-	1	-
IDAHO..	-	-	-	-	-
WHITE......................................	-	-	-	-	-
BLACK......................................	-	-	-	-	-

```
ILLINOIS........................................         35        31        30         1         4
    WHITE.......................................         16        13        12         1         3
    BLACK.......................................         19        18        18         -         1


INDIANA........................................         17         9         6         3         8
    WHITE.......................................         12         6         3         3         6
    BLACK.......................................          4         3         3         -         1


IOWA...........................................          5         5         5         -         -
    WHITE.......................................          5         5         5         -         -
    BLACK.......................................          -         -         -         -         -


KANSAS.........................................          4         3         3         -         1
    WHITE.......................................          3         3         3         -         -
    BLACK.......................................          1         -         -         -         1
```

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DOCUMENTATION TABLE 6
UNLINKED INFANT DEATHS BY RACE, AGE AT DEATH, AND STATE OF RESIDENCE:
UNITED STATES, PUERTO RICO, VIRGIN ISLANDS, GUAM -- 1995 BIRTH COHORT DATA
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OF INFANT DECEDENT; RACE IS FROM DEATH CERTIFICATE.)

AREA AND RACE OF CHILD 1/	INFANT	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST- NEONATAL
KENTUCKY.......................................	10	5	3	2	5
WHITE.......................................	10	5	3	2	5
BLACK.......................................	-	-	-	-	-
LOUISIANA......................................	19	16	16	-	3
WHITE.......................................	5	4	4	-	1
BLACK.......................................	14	12	12	-	2
MAINE..	2	-	-	-	2
WHITE.......................................	2	-	-	-	2
BLACK.......................................	-	-	-	-	-

AREA AND RACE OF CHILD	INFANT	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST-NEONATAL
MARYLAND..	5	3	2	1	2
WHITE..	3	2	1	1	1
BLACK..	2	1	1	-	1
MASSACHUSETTS.......................................	12	9	9	-	3
WHITE..	10	8	8	-	2
BLACK..	2	1	1	-	1
MICHIGAN...	28	26	22	4	2
WHITE..	14	13	9	4	1
BLACK..	13	12	12	-	1
MINNESOTA..	1	-	-	-	1
WHITE..	-	-	-	-	-
BLACK..	1	-	-	-	1
MISSISSIPPI..	1	-	-	-	1
WHITE..	-	-	-	-	-
BLACK..	1	-	-	-	1
MISSOURI...	4	4	4	-	-
WHITE..	3	3	3	-	-
BLACK..	1	1	1	-	-

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DOCUMENTATION TABLE 6
UNLINKED INFANT DEATHS BY RACE, AGE AT DEATH, AND STATE OF RESIDENCE:
UNITED STATES, PUERTO RICO, VIRGIN ISLANDS, GUAM -- 1995 BIRTH COHORT DATA
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OF INFANT DECEDENT; RACE IS FROM DEATH CERTIFICATE.)

AREA AND RACE OF CHILD 1/	INFANT	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST-NEONATAL
MONTANA...	-	-	-	-	-
WHITE..	-	-	-	-	-
BLACK..	-	-	-	-	-

NEBRASKA..	-	-	-	-	-
WHITE..	-	-	-	-	-
BLACK..	-	-	-	-	-
NEVADA..	5	3	2	1	2
WHITE..	5	3	2	1	2
BLACK..	-	-	-	-	-
NEW HAMPSHIRE.....................................	1	1	1	-	-
WHITE..	-	-	-	-	-
BLACK..	1	1	1	-	-
NEW JERSEY..	32	26	25	1	6
WHITE..	10	8	7	1	2
BLACK..	20	17	17	-	3
NEW MEXICO..	6	6	5	1	-
WHITE..	5	5	4	1	-
BLACK..	-	-	-	-	-
NEW YORK..	20	14	11	3	6
WHITE..	15	9	7	2	6
BLACK..	5	5	4	1	-
NEW YORK CITY.....................................	15	9	7	2	6
WHITE..	6	4	3	1	2
BLACK..	9	5	4	1	4
NORTH CAROLINA....................................	16	8	6	2	8
WHITE..	10	2	2	-	8
BLACK..	4	4	3	1	-

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DOCUMENTATION TABLE 6
UNLINKED INFANT DEATHS BY RACE, AGE AT DEATH, AND STATE OF RESIDENCE:
UNITED STATES, PUERTO RICO, VIRGIN ISLANDS, GUAM -- 1995 BIRTH COHORT DATA
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OF INFANT DECEDENT; RACE IS FROM DEATH CERTIFICATE.)

AREA AND RACE OF CHILD 1/	INFANT	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST- NEONATAL
NORTH DAKOTA..	-	-	-	-	-
WHITE...	-	-	-	-	-
BLACK...	-	-	-	-	-
OHIO...	109	87	80	7	22
WHITE...	69	53	51	2	16
BLACK...	40	34	29	5	6
OKLAHOMA...	52	38	31	7	14
WHITE...	31	20	18	2	11
BLACK...	17	15	10	5	2
OREGON...	2	2	-	2	-
WHITE...	2	2	-	2	-
BLACK...	-	-	-	-	-
PENNSYLVANIA.......................................	19	15	14	1	4
WHITE...	12	9	9	-	3
BLACK...	7	6	5	1	1
RHODE ISLAND.......................................	1	1	1	-	-
WHITE...	1	1	1	-	-
BLACK...	-	-	-	-	-
SOUTH CAROLINA.....................................	5	-	-	-	5
WHITE...	4	-	-	-	4
BLACK...	1	-	-	-	1
SOUTH DAKOTA.......................................	1	-	-	-	1
WHITE...	-	-	-	-	-
BLACK...	-	-	-	-	-
TENNESSEE..	-	-	-	-	-
WHITE...	-	-	-	-	-
BLACK...	-	-	-	-	-

DOCUMENTATION TABLE 6
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OF INFANT DECEDENT; RACE IS FROM DEATH CERTIFICATE.)

AREA AND RACE OF CHILD 1/	INFANT	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST- NEONATAL
TEXAS..	27	22	21	1	5
WHITE.....................................	16	12	11	1	4
BLACK.....................................	10	9	9	–	1
UTAH...	4	2	1	1	2
WHITE.....................................	4	2	1	1	2
BLACK.....................................	–	–	–	–	–
VERMONT......................................	–	–	–	–	–
WHITE.....................................	–	–	–	–	–
BLACK.....................................	–	–	–	–	–
VIRGINIA.....................................	23	16	14	2	7
WHITE.....................................	11	7	6	1	4
BLACK.....................................	12	9	8	1	3
WASHINGTON...................................	10	8	8	–	2
WHITE.....................................	6	5	5	–	1
BLACK.....................................	1	–	–	–	1
WEST VIRGINIA................................	3	3	3	–	–
WHITE.....................................	3	3	3	–	–
BLACK.....................................	–	–	–	–	–
WISCONSIN....................................	1	–	–	–	1
WHITE.....................................	–	–	–	–	–
BLACK.....................................	1	–	–	–	1
WYOMING......................................	2	1	–	1	1
WHITE.....................................	1	1	–	1	–
BLACK.....................................	–	–	–	–	–

```
FOREIGN RESIDENTS...................................    4         3         2         1         1
    WHITE...........................................    4         3         2         1         1
    BLACK...........................................    -         -         -         -         -
```

DOCUMENTATION TABLE 6
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OF INFANT DECEDENT; RACE IS FROM DEATH CERTIFICATE.)

AREA AND RACE OF CHILD 1/	INFANT	TOTAL NEONATAL	EARLY NEONATAL	LATE NEONATAL	POST-NEONATAL
PUERTO RICO 3/...................................	4	3	3	-	1
WHITE...	3	3	3	-	-
BLACK...	1	-	-	-	1
VIRGIN ISLANDS 3/.................................	5	2	1	1	3
WHITE...	-	-	-	-	-
BLACK...	5	2	1	1	3
GUAM 3/...	-	-	-	-	-
WHITE...	-	-	-	-	-
BLACK...	-	-	-	-	-

1/ TOTALS FOR GEOGRAPHIC AREAS INCLUDE RACES OTHER THAN WHITE AND BLACK
2/ EXCLUDES DATA FOR FOREIGN RESIDENTS, PUERTO RICO, VIRGIN ISLANDS, AND GUAM
3/ DATA FROM THE PUERTO RICO, VIRGIN ISLANDS, AND GUAM FILE

Linked Birth/Infant Death Data Set

Geographic Code Outline

The following pages show the geographic codes used by the Division of Vital
Statistics in the processing of vital event data occurring in the United
States. For the perinatal data set, counties and cities with a population
of 250,000 or more are identified.

Federal Information Processing Standards (FIPS) State, County, and
City/Place Codes: For the 1995 linked file, the county and city/place
codes and the State code immediately preceding them are FIPS codes. These
codes were effective with the 1995 data year and are based on the results
of the 1990 Census. County and county equivalents (independent and
coextensive cities) are numbered alphabetically within each State. When an
event occurs to a nonresident of the United States, residence data are
coded only to the "State" level, or to the remainder of the world. For an
explanation of FIPS codes, reference should be made to various National
Bureau of Standards (NBS) publications.

```
            Listing of Cities/Places Identified in the Linked Data Set
          Vital Statistics Geographic Code Outline Effective With 1995 Data
                              FIPS Codes


State        City/Place        State and City/Place Name

  01                           Alabama
             07000               Birmingham

  02                           Alaska

  04                           Arizona
             46000               Mesa
             55000               Phoenix
             77000               Tucson

  05                           Arkansas

  06                           California
             02000               Anaheim
             27000               Fresno
             43000               Long Beach
             44000               Los Angeles
             53000               Oakland
             64000               Sacramento
             66000               San Diego
             67000               San Francisco
             68000               San Jose
             69000               Santa Ana

  08                           Colorado
             16000               Colorado Springs
             20000               Denver

  09                           Connecticut

  10                           Delaware

  11                           District of Columbia
             50000               Washington

  12                           Florida
             35000               Jacksonville
             45000               Miami
             71000               Tampa

  13                           Georgia
             04000               Atlanta

  15                           Hawaii
             17000               Honolulu

  16                           Idaho
```

17		Illinois	
	14000		Chicago
18		Indiana	
	36000		Indianapolis
19		Iowa	
20		Kansas	
	79000		Wichita
21		Kentucky	
	48000		Louisville
22		Louisiana	
	55000		New Orleans
23		Maine	
24		Maryland	
	04000		Baltimore
25		Massachusetts	
	07000		Boston
26		Michigan	
	22000		Detroit
27		Minnesota	
	43000		Minneapolis
	58000		St. Paul
28		Mississippi	
29		Missouri	
	38000		Kansas City
	65000		St. Louis
30		Montana	
31		Nebraska	
	37000		Omaha
32		Nevada	
	40000		Las Vegas
33		New Hampshire	
34		New Jersey	
	51000		Newark
35		New Mexico	
	02000		Albuquerque

```
36                              New York
        11000                     Buffalo
        51000                     Bronx borough, Bronx county
        51000                     Brooklyn borough, Kings county
        51000                     Manhattan borough, New York county
        51000                     Queens borough, Queens county
        51000                     Staten Island borough, Richmond county

37                              North Carolina
        12000                     Charlotte

38                              North Dakota

39                              Ohio
        15000                     Cincinnati
        16000                     Cleveland
        18000                     Columbus
        77000                     Toledo

40                              Oklahoma
        55000                     Oklahoma City
        75000                     Tulsa

41                              Oregon
        59000                     Portland

42                              Pennsylvania
        60000                     Philadelphia
        61000                     Pittsburgh

44                              Rhode Island

45                              South Carolina

46                              South Dakota

47                              Tennessee
        48000                     Memphis
        52010                     Nashville-Davidson

48                              Texas
        04000                     Arlington
        05000                     Austin
        17000                     Corpus Christi
        19000                     Dallas
        24000                     El Paso
        27000                     Fort Worth
        35000                     Houston
        65000                     San Antonio

49                              Utah

50                              Vermont
```

```
51                              Virginia
         57000                     Norfolk
         82000                     Virginia Beach

53                              Washington
         63000                     Seattle

54                              West Virginia

55                              Wisconsin
         53000                     Milwaukee

56                              Wyoming

72                        Puerto Rico

78                        Virgin Islands

66                        Guam

00                        Canada

00                        Cuba

00                        Mexico

00                        Remainder of World
```

```
                  Listing of Counties Identified in the Linked Data Set
               Vital Statistics Geographic Code Outline Effective With 1995 Data

         State      County        State and County Name


          01                      Alabama
                     073            Jefferson
                     097            Mobile


          02                      Alaska


          04                      Arizona
                     013            Maricopa
                     019            Pima


          05                      Arkansas
                     119            Pulaski


          06                      California
                     001            Alameda
                     013            Contra Costa
                     019            Fresno
                     029            Kern
                     037            Los Angeles
                     053            Monterey
                     059            Orange
                     065            Riverside
                     067            Sacramento
                     071            San Bernardino
                     073            San Diego
                     075            San Francisco, coext. with San
      Francisco city
                     077            San Joaquin
                     081            San Mateo
                     083            Santa Barbara
                     085            Santa Clara
                     095            Solano
                     097            Sonoma
                     099            Stanislaus
                     107            Tulare
                     111            Ventura


          08                      Colorado
                     001            Adams
                     005            Arapahoe
                     031            Denver, coext. with Denver city
                     041            El Paso
                     059            Jefferson


          09                      Connecticut
                     001            Fairfield
                     003            Hartford
                     009            New Haven
                     011            New London
```

```
10                          Delaware
        003                   New Castle

11                          District of Columbia
        001                   District of Columbia

12                          Florida
        009                   Brevard
        011                   Broward
        025                   Dade
        031                   Duval
        033                   Escambia
        057                   Hillsborough
        071                   Lee
        095                   Orange
        099                   Palm Beach
        101                   Pasco
        103                   Pinellas
        105                   Polk
        115                   Sarasota
        117                   Seminole
        127                   Volusia

13                          Georgia
        067                   Cobb
        089                   De Kalb
        121                   Fulton
        135                   Gwinnett

15                          Hawaii
        003                   Honolulu

16                          Idaho

17                          Illinois
        031                   Cook
        043                   Du Page
        089                   Kane
        097                   Lake
        163                   St. Clair
        197                   Will
        201                   Winnebago

18                          Indiana
        003                   Allen
        089                   Lake
        097                   Marion

19                          Iowa
        153                   Polk

20                          Kansas
        091                   Johnson
        173                   Sedgwick
```

```
21                          Kentucky
      111                     Jefferson

22                          Louisiana
      033                     East Baton Rouge
      051                     Jefferson
      071                     Orleans, coext. with New Orleans city

23                          Maine

24                          Maryland
      003                     Anne Arundel
      005                     Baltimore
      031                     Montgomery
      033                     Prince George's
      510                     Baltimore city

25                          Massachusetts
      005                     Bristol
      009                     Essex
      013                     Hampden
      017                     Middlesex
      021                     Norfolk
      023                     Plymouth
      025                     Suffolk
      027                     Worcester

26                          Michigan
      049                     Genesee
      065                     Ingham
      081                     Kent
      099                     Macomb
      125                     Oakland
      161                     Washtenaw
      163                     Wayne

27                          Minnesota
      037                     Dakota
      053                     Hennepin
      123                     Ramsey

28                          Mississippi
      049                     Hinds

29                          Missouri
      095                     Jackson
      189                     St. Louis
      510                     St. Louis city

30                          Montana
```

```
31                              Nebraska
        055                         Douglas

32                              Nevada
        003                         Clark
        031                         Washoe

33                              New Hampshire
        011                         Hillsborough

34                              New Jersey
        003                         Bergen
        005                         Burlington
        007                         Camden
        013                         Essex
        017                         Hudson
        021                         Mercer
        023                         Middlesex
        025                         Monmouth
        027                         Morris
        029                         Ocean
        031                         Passaic
        039                         Union

35                              New Mexico
        001                         Bernalillo

36                              New York
        001                         Albany
        005                         Bronx borough, Bronx county
        047                         Brooklyn borough, Kings county
        061                         Manhattan borough, New York county
        081                         Queens borough, Queens county
        085                         Staten Island borough, Richmond county
        027                         Dutchess
        029                         Erie
        055                         Monroe
        059                         Nassau
        065                         Oneida
        067                         Onondaga
        071                         Orange
        087                         Rockland
        103                         Suffolk
        119                         Westchester

37                              North Carolina
        051                         Cumberland
        067                         Forsyth
        081                         Guilford
        119                         Mecklenburg
        183                         Wake

38                              North Dakota
```

```
39                      Ohio
        017                 Butler
        035                 Cuyahoga
        049                 Franklin
        061                 Hamilton
        093                 Lorain
        095                 Lucas
        099                 Mahoning
        113                 Montgomery
        151                 Stark
        153                 Summit

40                      Oklahoma
        109                 Oklahoma
        143                 Tulsa

41                      Oregon
        005                 Clackamas
        039                 Lane
        051                 Multnomah
        067                 Washington

42                      Pennsylvania
        003                 Allegheny
        011                 Berks
        017                 Bucks
        029                 Chester
        045                 Delaware
        049                 Erie
        071                 Lancaster
        077                 Lehigh
        079                 Luzerne
        091                 Montgomery
        101                 Philadelphia, coext. with Philadelphia
city
        129                 Westmoreland
        133                 York

44                      Rhode Island
        007                 Providence

45                      South Carolina
        019                 Charleston
        045                 Greenville
        079                 Richland

46                      South Dakota

47                      Tennessee
        037                 Davidson
        065                 Hamilton
        093                 Knox
        157                 Shelby
```

```
48                          Texas
        029                   Bexar
        061                   Cameron
        085                   Collin
        113                   Dallas
        121                   Denton
        141                   El Paso
        201                   Harris
        215                   Hidalgo
        355                   Nueces
        439                   Tarrant
        453                   Travis

49                          Utah
        035                   Salt Lake
        049                   Utah

50                          Vermont

51                          Virginia
        059                   Fairfax
        540                   Charlottesville city
        710                   Norfolk city
        810                   Virginia Beach city

53                          Washington
        033                   King
        053                   Pierce
        061                   Snohomish
        063                   Spokane

54                          West Virginia

55                          Wisconsin
        025                   Dane
        079                   Milwaukee
        133                   Waukesha

56                          Wyoming

72                          Puerto Rico
        127                   San Juan

78                          Virgin Islands

66      010                 Guam

00      000                 Canada

00      000                 Cuba

00      000                 Mexico

00      000                 Remainder of World
```