

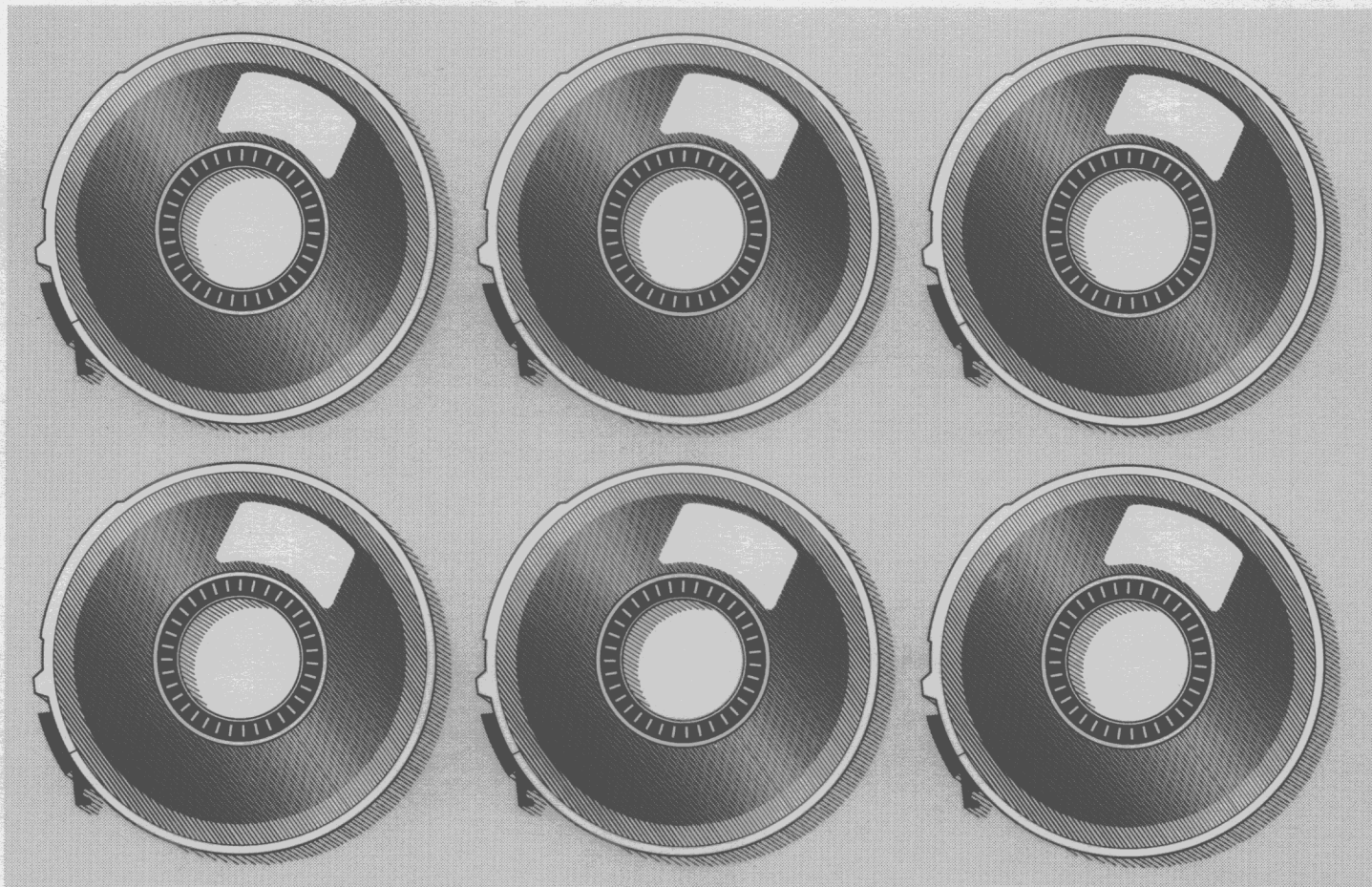
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# Public Use Data Tape Documentation

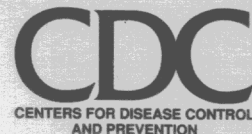
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Multiple Cause of Death for ICD-9 1991 Data

From the CENTERS FOR DISEASE CONTROL AND PREVENTION/National Center for Health Statistics



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Public Health Service  
Centers for Disease Control and Prevention  
National Center for Health Statistics

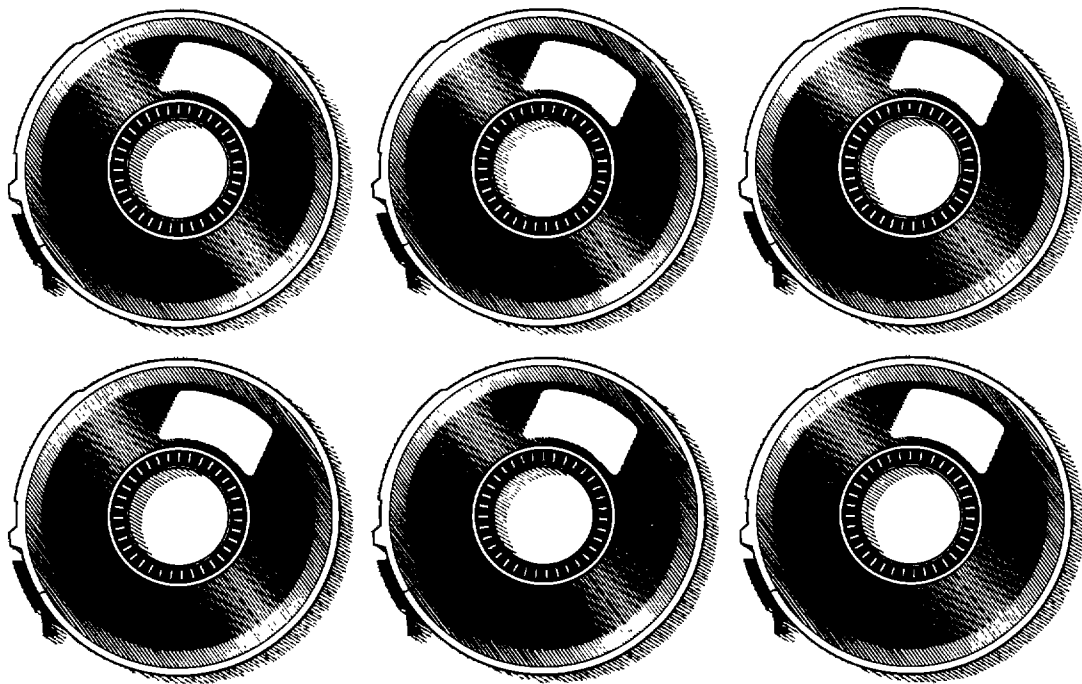


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# Public Use Data Tape Documentation

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Multiple Cause of Death for ICD-9 1991 Data



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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Public Health Service  
Centers for Disease Control and Prevention  
National Center for Health Statistics

Hyattsville, Maryland  
August 1993

This tape documentation was prepared in the Division of Vital Statistics. Charles Royer of the Systems and Programming Branch was responsible for developing the mortality documentation. He and Adrienne McDonald of the Technical Services Branch were responsible for providing all computer programming services necessary to keep it up-to-date. Bettie L. Hudson of the Mortality Statistics Branch coordinated preparation of the Technical Appendix. The Registration Methods Branch and the Technical Services Branch provided consultation to State vital statistics offices regarding collection of death certificate data.

Questions concerning the documentation or general questions concerning the mortality file should be directed to the Systems and Programming Branch, Division of Vital Statistics, NCHS, 6525 Belcrest Road, Room 840, Hyattsville, MD 20782 (301-436-8900).

Questions concerning the Technical Appendix or substantive questions concerning the mortality data should be directed to the Mortality Statistics Branch, Division of Vital Statistics, NCHS, 6525 Belcrest Road, Room 840, Hyattsville, MD 20782 (301-436-8884).

## HIV DEATHS IN GEORGIA

### Public-use data tapes

The following geographic codes will be used instead of the standard codes for deaths with mention of HIV infection that occurred in Georgia for counties that meet the given criteria.

#### Place of Occurrence

For deaths that occurred in Georgia (to both residents and nonresidents of Georgia), the following place of occurrence geographic codes will be used when the number of records for a given county of occurrence, with mention of HIV infection (codes \*042-\*044 or \*795.8 in the underlying cause, or entity- or record-axis multiple cause fields) totals three or fewer.

#### Place of Occurrence

County	999
FIPS County	999

#### Place of Residence

For deaths that occurred in Georgia to residents of Georgia, the following place of residence geographic codes will be used when the number of records for a given county of residence (for deaths that occurred in Georgia), with mention of HIV infection (codes \*042-\*044 or \*795.8 in the underlying, entity- or record-axis multiple cause fields) totals three or fewer.

#### Place of Residence

County	999
City	999
Population Size	9
Met/Nonmet County	9
SMSA	999
FIPS County	999
FIPS SMSA	9999

These changes will affect deaths from HIV infection and may affect deaths from other causes of death by county, city, and SMSA of residence and by county of occurrence for Georgia

Specifically, the effect of these changes are as follows: no deaths from HIV infection by county of occurrence will be shown for counties in Georgia with three or fewer deaths with mention of HIV infection. Also, no deaths from HIV infection that occurred in Georgia to residents of Georgia for counties that meet the above criteria will be shown by place of residence. If three or fewer deaths from HIV infection are shown to residents in a county of Georgia, then those deaths are for events occurring in other States.

These exceptions to the usual geographic code assignments by place of residence and by place of occurrence are made at the request of the Georgia Department of Human Resources, Division of Public Health.

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### SYMBOLS USED IN TABLES

Symbol	Explanation
---	Data not available
...	Category not applicable
-	Quantity zero
0.0	Quantity more than 0 but less than 0.05
*	Figure does not meet standards of reliability or precision

# Documentation of the Multiple Cause-of-Death Public-Use File for 1991 Data

## 1. Introduction

Data on causes of death are released by NCHS in a variety of ways including published reports, special tabulations to answer data requests, and public-use data tapes. Since the inception of the multiple cause-of-death program in 1968, a public-use tape file has been released for each data year. Each file contains a data record for all deaths processed by NCHS. Each data record contains underlying cause, multiple cause, and demographic data for a death.

With the exception of calendar years 1972, 1981 and 1982, all deaths occurring annually in the United States are processed. In 1972, underlying and multiple cause data were coded and processed for only 50 percent of the deaths occurring in each State. In 1981 and 1982, multiple cause data were coded on a 50 percent sample basis for deaths occurring in 19 registration areas. The registration areas are the 50 States, New York City and the District of Columbia. The 50 percent sample States are identified in the documentation of the 1981 and 1982 files. For the remaining 33 registration areas, multiple cause data were processed on a 100 percent basis. In 1981 and 1982, underlying cause, demographic, and geographic data were processed for every death occurring in every State; however the multiple cause-of-death public-use tape contains only those records where the multiple cause field is also coded. A public-use tape containing underlying cause, demographic, and geographic data for every death in the United States is available but contains no multiple cause data.

This document is intended to provide guidance to the consumer in accessing and utilizing the multiple cause-of-death public-use tape file for 1991. It provides the technical data processing information necessary to access the tapes and the classification structure and coding rules applied to create each variable on the file such that the user can readily assess relevance at varying levels of detail to his/her own particular research. Additionally, it conveys the characteristics of the multiple cause files sufficient to guide the user in analyzing and interpreting multiple cause data. The user is alerted to certain pitfalls of interpretation; and the appropriateness of each type of multiple cause data to given applications is discussed. Control totals are also provided for comparison with user generated counts for 1991 data.

A revised U.S. Standard Certificate of Death was recommended for State use beginning on January 1, 1989. Among the changes were the addition of a new item on educational attainment and changes to improve the medical certification of cause of death. In addition, for the first time, the U.S. Standard Certificate of Death includes a question on the Hispanic origin of the decedent. Previously a number of States had included an Hispanic-origin identifier on their certificates. A change was also made in the format of the item to obtain information on type of place of death from an open-ended question to a checkbox.

The Office of Management and Budget revised its designation of metropolitan statistical areas based on figures from the 1990 Census. Effective with the 1990 data file, NCHS has been using these new definitions and codes as indicated in the listing of 320 Metropolitan Statistical Areas (MSAs), Primary Metropolitan Statistical Areas (PMSAs), and New England County Metropolitan Areas (NECMAs) included in this documentation. There are also 20 Consolidated Metropolitan Statistical Areas (CMSAs) which are made up of PMSAs. Other geographic changes based on the 1990 Census will be implemented later.

NCHS has adopted a new policy on release of vital statistics unit record data files. This new policy was implemented for the 1989 vital event files to prevent the inadvertent disclosure of individuals and institutions. As a result, the files for 1989 and later years do not contain the actual day of the death or the date of birth of the decedent. The geographic detail is also restricted; only counties and cities of 100,000 or more population based on the 1980 Census, as well as metropolitan areas of 100,000 or more population based on the 1990 Census are identified.

## II. Data File Characteristics

Each record on the annual tape file contains two multiple cause-of-death fields which have been coded using ICD-9. In addition, underlying cause, demographic, and geographic detail data accompany the multiple cause-of-death data. The tape file contains the complete level of detail coded by NCHS except where precluded by confidentiality restrictions or lack of data reliability.

Specifications for the 1991 tape file are as follows:

File Organization:	One file, multiple reels
Record Type:	Blocked, fixed format
Record count:	2,173,060
Record Length:	440
Blocksize:	26400
Data Counts:	a. By occurrence: 2,173,060
	b. By residence: 2,169,518
	c. To foreign residents: 3,542

1. The data were processed using the PL/1 language on an IBM 3081.
2. The last block for the data year may be a short block.
3. The data are recorded in IBM/EBCDIC 8-bit code for each character.
4. Codes may be numeric, alphabetic, or blank (Hex 40).
5. A code "Z" is the EBCDIC code for the letter "Z".
6. A code "&" is the EBCDIC code for an ampersand (a punched card code 12).

### III. Tape Format and Variable Definition

The attached record layout provides documentation of variables, variable categories, and variable location on the multiple cause-of-death public-use tapes. It is noted that the following material, while used in the processing of mortality data, is not included in this package:

- 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, 1991.
- C. NCHS Instruction Manual Data Preparation, Part 2b, Vital Statistics Instructions for Classifying Multiple Cause-of-Death, 1991.
- D. NCHS Instruction Manual Data Preparation, Part 2c, Vital Statistics ICD-9 ACME Decision Tables for Classifying Underlying Causes-of-Death, 1991.
- E. NCHS Instruction Manual Data Preparation, Part 2d, Vital Statistics NCHS Procedures for Mortality Medical Data System File Preparation and Maintenance, Effective 1979.
- F. NCHS Instruction Manual Data Tabulation, Part 2f, Vital Statistics ICD-9 TRANSAX Disease Reference Tables for Classifying Multiple Causes-of-Death, 1982-91.
- G. NCHS Instruction Manual Data Preparation, Part 4, Vital Statistics Demographic Classification and Coding Instructions for Death Records, 1991.
- H. NCHS Instruction Manual Tabulation, Part 11, Vital Statistics Computer Edits for Mortality Data, Effective 1990.

These documents describe in detail the rules employed for demographic and medical classification on death records. Volumes 1 and 2 of the ICD-9 may be purchased from WHO Publication Center USA, 49 Sheridan Avenue, Albany, New York, 12210. The remaining documents (Items B-H), while not absolutely essential to the proper interpretation of the data for a number of general applications, should nevertheless be studied carefully prior to any detailed analysis of demographic or medical data variables. In particular, there are a number of exceptions to the ICD rules in multiple cause-of-death coding which, if not treated properly, may result in faulty analysis of the data.



Users who do not already have access to these documents may request them 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 Vital Statistics of the United States for information on the source of data, coding procedures, quality of the data, etc. Technical Appendix information is enclosed.

#### IV. Multiple Cause Data

The original scheme for coding conditions contained on the death certificate was designed 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 certification in the exact manner given by the certifier. Secondly, the codification 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, DVS 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 a 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.

#### A. Entity Axis Codes

The original conditions coded for selection of the underlying cause-of-death are reformatted and edited prior to creating the public-use 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. Table 2, Number of Resident Deaths Tabulated by Mention of an Underlying Cause, Record Axis Multiple Cause, or Entity Axis Multiple Cause-of-Death by ICD-9 Category, provides a summary list of valid underlying cause and multiple cause codes.

ENTITY AXIS APPLICATIONS: The entity axis multiple cause data set 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.

## B. 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.

#### V. Additional Information

In using the NCHS multiple cause data tapes, 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.

Several basic tabulations of data from selected variables contained on this tape have been produced and are included with this document as an aid to the user in determining if his own tabulations are correct. For verification of multiple cause-of-death data at the "each cause" level of detail, Table 1 provides counts of the number of deaths on which a given ICD-9 category is mentioned as the underlying cause-of-death, a record axis multiple cause-of-death, and an entity axis multiple cause-of-death, respectively. The counts for the record axis multiple cause-of-death field are divided into two distinct subtotals: (1) "total mention" and (2) "secondary". Secondary is defined as any code

which is present in the record axis field but is not the underlying cause-of-death. Tables 2-9 provide additional control totals for the three cause-of-death fields by age, race, and sex. Tables 10-12 ignore cause-of-death and provide control totals based on age, race, sex, State of residence, State of occurrence, and month. Tables 1-11 are based on resident deaths in the United States (excludes deaths to non-residents). Table 12 is based upon deaths occurring in the United States (includes deaths to foreign residents).

For help with questions concerning multiple cause-of-death analysis, please refer to the following publications:

National Center for Health Statistics. Multiple causes of death in the United States. Monthly vital statistics report: vol 32 no 10, suppl. (2). Hyattsville, Maryland: Public Health Service, 1984.

Chamblee, R.F. and Evans, M.C. TRANSAX: The NCHS system for producing multiple cause-of-death statistics, 1968-78. Vital and Health Statistics. Series 1, no 20. Public Health Service. Washington, DC: U.S. Government Printing Office, June 1986.

Israel, R.A., Rosenberg, H.M., and Curtin, L.R. Analytical potential for multiple cause-of-death data. American Journal of Epidemiology 124(2): 161-179. August, 1986.

Manton, K.G. and Stallard, E. Recent trends in mortality analysis. Orlando, Florida: Academic Press, Inc., 1984.

When further analytical assistance is needed, contact the Mortality Statistics Branch, Division of Vital Statistics, NCHS, 6525 Belcrest Road, Room 840, Hyattsville, Maryland 20782, Telephone (301) 436-8884. For technical assistance pertaining to the creation of the multiple cause-of-death file, contact Donna Glenn, Statistician, Technical Services Branch, Division of Vital Statistics, NCHS, Room 148, P.O.Box 12214, Research Triangle Park, North Carolina 27709. Telephone (919) 541-0999.

## VI. List of Data Elements and Tape Locations

Data Items	Tape Locations
1. General	
a. Data year	1-2
b. Reporting area	3
c. Record Type	19
d. Resident status	20
e. Month of death	55-56
f. Day of week	83
2. Occurrence	
a. State	21-22
b. Expanded State	29-30
c. County	23-25
d. County Population size	49
e. Region	26
f. Division	27
g. FIPS State	119-120
h. FIPS County	121-123
3. Residence	
a. State	31-32
b. Expanded State	44-45
c. County	33-35
d. County Population size	50
e. City	36-38
f. City Population size	39
g. Met/Nonmet county	40
h. Region	41
i. Division	42
j. PMSA/MSA	46-48
k. PMSA/MSA Population size	51
l. FIPS State	124-125
m. FIPS County	126-128
n. FIPS PMSA/MSA	129-132
o. FIPS CMSA	134-135
4. The Decedent	
a. Sex	59
b. Race	60-63
c. Age	64-74
d. Marital status	77
e. State of birth	78-79
f. Hispanic origin	80-81, 82
g. Kind of Business or Industry	85-87, 94-97
h. Usual Occupation	88-90, 98-101
i. Education	52-53, 54



## VI. List of Data Elements and Tape Locations

Data Items	Tape Locations
5. Underlying Cause	
a. ICD-9 code	142-145
b. 282 cause recode	146-150
c. 72 cause recode	151-153
d. 61 cause recode	154-156
e. 52 cause recode	91-93
f. 34 cause recode	157-159
g. Autopsy performed	84
h. Place of accident	141
6. Multiple Conditions	
a. Entity-Axis conditions	
1. Number of	160-161
2. The conditions	162-301
b. Record-Axis conditions	
1. Number of	338-339
2. The conditions	341-440

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
1-2	2	<u>Last 2 Digits of Current Data Year</u> 91            ... 1991
3	1	<u>Reporting Area</u> The following codes used with the State of Occurrence codes, locations 21-22, identify separate reporting areas. 1            ... Bronx borough, Bronx county 2            ... Brooklyn borough, Kings county 3            ... Manhattan borough, New York county 4            ... Queens borough, Queens county 5            ... Staten Island borough, Richmond county 6            ... Chicago 0            ... All other areas
4-9	6	<u>Certificate Number</u> These positions are blank.
10-11	2	<u>Shipment Number</u> 01-nn        ... Shipments from each reporting area are numbered consecutively.
12-18	7	<u>Sequence Number</u> These positions are blank.
19	1	<u>Record Type</u> 1            ... RESIDENTS State and County of Occurrence and Residence are the same. 2            ... NONRESIDENTS State and/or County of Occurrence and Residence are different. 9            ... UNKNOWN See statement concerning HIV deaths in Georgia.
20	1	<u>Resident Status</u> 1            ... RESIDENTS State and County of Occurrence and Residence are the same. 2            ... INTRASTATE NONRESIDENTS State of Occurrence and Residence are the same, but County is different. 3            ... INTERSTATE NONRESIDENTS State of Occurrence and Residence are different, but both are in the U.S. 4            ... FOREIGN RESIDENTS State of Occurrence is one of the 50 States or the District of Columbia, but Place of Residence is outside of the U.S. 9            ... UNKNOWN See statement concerning HIV deaths in Georgia.

1991  
Mortality Multiple Cause-of-Death Record

Tape <u>Location</u>	Field <u>Size</u>	<u>Item and Code Outline</u>
-------------------------	----------------------	------------------------------

21-30	10	<u>PLACE OF OCCURRENCE</u>
-------	----	----------------------------

Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes.

21-22	2	<u>State of Occurrence</u>
-------	---	----------------------------

- 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
- 50 ... Wisconsin
- 51 ... Wyoming

23-25	3	<u>County of Occurrence</u>
-------	---	-----------------------------

- 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 of less than 100,000 population or Georgia HIV death (see statement concerning HIV deaths in Georgia).

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
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26	1	<u>Region</u>
27-28	2	<u>Division and State Subcode of Occurrence</u>

States are coded within Division.  
26 is Region. 27 is Division. 28 is State subcode.

1	...	<u>NORTHEAST</u>
1	...	<u>New England</u>
1	...	Maine
2	...	New Hampshire
3	...	Vermont
4	...	Massachusetts
5	...	Rhode Island
6	...	Connecticut
2	...	<u>Middle Atlantic</u>
1	...	New York
2	...	New Jersey
3	...	Pennsylvania
2	...	<u>MIDWEST</u>
3	...	<u>East North Central</u>
1	...	Ohio
2	...	Indiana
3	...	Illinois
4	...	Michigan
5	...	Wisconsin
4	...	<u>West North Central</u>
1	...	Minnesota
2	...	Iowa
3	...	Missouri
4	...	North Dakota
5	...	South Dakota
6	...	Nebraska
7	...	Kansas
3	...	<u>SOUTH</u>
5	...	<u>South Atlantic</u>
1	...	Delaware
2	...	Maryland
3	...	District of Columbia
4	...	Virginia
5	...	West Virginia
6	...	North Carolina
7	...	South Carolina
8	...	Georgia
9	...	Florida
6	...	<u>East South Central</u>
1	...	Kentucky
2	...	Tennessee
3	...	Alabama
4	...	Mississippi
7	...	<u>West South Central</u>
1	...	Arkansas
2	...	Louisiana
3	...	Oklahoma
4	...	Texas
4	...	<u>WEST</u>
8	...	<u>Mountain</u>
1	...	Montana
2	...	Idaho
3	...	Wyoming
4	...	Colorado
5	...	New Mexico
6	...	Arizona
7	...	Utah
8	...	Nevada
9	...	<u>Pacific</u>
1	...	Washington
2	...	Oregon
3	...	California
4	...	Alaska
5	...	Hawaii

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape</u>	<u>Field</u>	<u>Item and Code Outline</u>
<u>Location</u>	<u>Size</u>	

29-30	2	<u>Expanded State of Occurrence Code</u>
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This item is designed to separately identify New York City records from other New York State records.

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	...	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

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
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31-48	18	<u>PLACE OF RESIDENCE</u>
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Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes.

31-32	2	<u>State of Residence</u>
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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
50	...	Wisconsin
51	...	Wyoming
52-57,59	...	Foreign residents
52	...	Puerto Rico
53	...	Virgin Islands
54	...	Guam
55	...	Canada
56	...	Cuba
57	...	Mexico
59	...	Remainder of the world

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
33-35	3	<u>County of Residence</u> 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.) ZZZ ... Foreign residents 999 ... County of less than 100,000 population or Georgia HIV death (see statement concerning HIV deaths in Georgia).
36-38	3	<u>City of Residence</u> 001-nnn ... Cities are numbered alphabetically within each State and identify each city with a population of 100,000 or more in 1980. (Note: To uniquely identify a city, both the State and city codes must be used. State, county and city codes may also be used.) 999 ... Balance of county or city of less than 100,000 population or Georgia HIV death (see statement concerning HIV deaths in Georgia). ZZZ ... Foreign residents
39	1	<u>Population Size of City of Residence</u> 0 ... Place of 1,000,000 or more 1 ... Place of 500,000 to 1,000,000 2 ... Place of 250,000 to 500,000 3 ... Place of 100,000 to 250,000 9 ... All other areas in the U.S. or unknown (see statement concerning HIV deaths in Georgia). Z ... Foreign residents
40	1	<u>Metropolitan - Nonmetropolitan County of Residence</u> 1 ... Metropolitan county 2 ... Nonmetropolitan county Z ... Foreign residents 9 ... Unknown (see statement concerning HIV deaths in Georgia).

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
41	1	<u>Region</u>
42-43	2	<u>Division and State Subcode of Residence</u>

States are coded within Division.  
41 is Region. 42 is Division. 43 is State subcode.

000	...	<u>Foreign residents</u>
1	...	<u>NORTHEAST</u>
1	1	... <u>New England</u>
	1	... Maine
	2	... New Hampshire
	3	... Vermont
	4	... Massachusetts
	5	... Rhode Island
	6	... Connecticut
2	2	... <u>Middle Atlantic</u>
	1	... New York
	2	... New Jersey
	3	... Pennsylvania
2	2	... <u>MIDWEST</u>
3	3	... <u>East North Central</u>
	1	... Ohio
	2	... Indiana
	3	... Illinois
	4	... Michigan
	5	... Wisconsin
4	4	... <u>West North Central</u>
	1	... Minnesota
	2	... Iowa
	3	... Missouri
	4	... North Dakota
	5	... South Dakota
	6	... Nebraska
	7	... Kansas
3	3	... <u>SOUTH</u>
5	5	... <u>South Atlantic</u>
	1	... Delaware
	2	... Maryland
	3	... District of Columbia
	4	... Virginia
	5	... West Virginia
	6	... North Carolina
	7	... South Carolina
	8	... Georgia
	9	... Florida
6	6	... <u>East South Central</u>
	1	... Kentucky
	2	... Tennessee
	3	... Alabama
	4	... Mississippi
7	7	... <u>West South Central</u>
	1	... Arkansas
	2	... Louisiana
	3	... Oklahoma
	4	... Texas
4	4	... <u>WEST</u>
8	8	... <u>Mountain</u>
	1	... Montana
	2	... Idaho
	3	... Wyoming
	4	... Colorado
	5	... New Mexico
	6	... Arizona
	7	... Utah
	8	... Nevada
9	9	... <u>Pacific</u>
	1	... Washington
	2	... Oregon
	3	... California
	4	... Alaska
	5	... Hawaii



1991  
Mortality Multiple Cause-of-Death Record

Tape      Field  
Location Size   Item and Code Outline

44-45      2      Expanded State of Residence Code

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

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	...	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	...	Puerto Rico
54	...	Virgin Islands
55	...	Guam
56	...	Canada
57	...	Cuba
58	...	Mexico
60	...	Remainder of the world



1991  
Mortality Multiple Cause-of-Death Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
52-53	2	<u>Education</u> 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
54	1	<u>Education Recode</u> 1 ... 0 - 8 years 2 ... 9 - 11 years 3 ... 12 years 4 ... 13 - 15 years 5 ... 16 years or more 6 ... Not stated
55-56	2	<u>Month of Death</u> 01 ... January 02 ... February 03 ... March 04 ... April 05 ... May 06 ... June 07 ... July 08 ... August 09 ... September 10 ... October 11 ... November 12 ... December
57-58	2	<u>Reserved Positions</u>

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
59	1	<u>Sex</u> 1 ... Male 2 ... Female
60-63	4	<u>RACE</u>
60-61	2	<u>Detail Race</u> Race codes for 1989 differ from previous years 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 09 ... All other races
62	1	<u>Race Recode 3</u> 1 ... White 2 ... Races other than White or Black 3 ... Black
63	1	<u>Race Recode 2</u> 1 ... White 2 ... All other races
64-74	11	<u>REPORTED AGE</u>
64-66	3	<u>Detail Age</u> Three positions are used to code detail age. Location 64 identifies age in years, months, days, etc. Locations 65-66 are the number of years, months, days, etc. 0 01-99 ... Years less than 100 1 00-99 ... Years 100 or more 2 01-11,99 ... Months 3 01-09,99 ... Weeks 4 01-27,99 ... Days 5 01-23,99 ... Hours 6 01-59,99 ... Minutes 9 99 ... Age not stated

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape</u>	<u>Field</u>	<u>Item and Code Outline</u>
<u>Location</u>	<u>Size</u>	

67-68	2	<u>Age Recode 52</u>
		01 ... Under 1 hour (includes not stated hours and minutes)
		02 ... 1 - 23 hours
		03 ... 1 day (includes not stated days)
		04 ... 2 days
		05 ... 3 days
		06 ... 4 days
		07 ... 5 days
		08 ... 6 days
		09 ... 7 - 13 days (includes not stated weeks)
		10 ... 14 - 20 days
		11 ... 21 - 27 days
		12 ... 1 month (includes not stated months)
		13 ... 2 months
		14 ... 3 months
		15 ... 4 months
		16 ... 5 months
		17 ... 6 months
		18 ... 7 months
		19 ... 8 months
		20 ... 9 months
		21 ... 10 months
		22 ... 11 months
		23 ... 1 year
		24 ... 2 years
		25 ... 3 years
		26 ... 4 years
		27 ... 5 - 9 years
		28 ... 10 - 14 years
		29 ... 15 - 19 years
		30 ... 20 - 24 years
		31 ... 25 - 29 years
		32 ... 30 - 34 years
		33 ... 35 - 39 years
		34 ... 40 - 44 years
		35 ... 45 - 49 years
		36 ... 50 - 54 years
		37 ... 55 - 59 years
		38 ... 60 - 64 years
		39 ... 65 - 69 years
		40 ... 70 - 74 years
		41 ... 75 - 79 years
		42 ... 80 - 84 years
		43 ... 85 - 89 years
		44 ... 90 - 94 years
		45 ... 95 - 99 years
		46 ... 100 - 104 years
		47 ... 105 - 109 years
		48 ... 110 - 114 years
		49 ... 115 - 119 years
		50 ... 120 - 124 years
		51 ... 125 years and over
		52 ... Age not stated

1991  
Mortality Multiple Cause-of-Death Record

Tape	Field	Item and Code Outline
<u>Location</u>	<u>Size</u>	

69-70	2	<u>Age Recode 27</u>
		01 ... Under 1 month (includes not stated weeks, hours, and minutes)
		02 ... 1 month - 11 months (includes not stated months)
		03 ... 1 year
		04 ... 2 years
		05 ... 3 years
		06 ... 4 years
		07 ... 5 - 9 years
		08 ... 10 - 14 years
		09 ... 15 - 19 years
		10 ... 20 - 24 years
		11 ... 25 - 29 years
		12 ... 30 - 34 years
		13 ... 35 - 39 years
		14 ... 40 - 44 years
		15 ... 45 - 49 years
		16 ... 50 - 54 years
		17 ... 55 - 59 years
		18 ... 60 - 64 years
		19 ... 65 - 69 years
		20 ... 70 - 74 years
		21 ... 75 - 79 years
		22 ... 80 - 84 years
		23 ... 85 - 89 years
		24 ... 90 - 94 years
		25 ... 95 - 99 years
		26 ... 100 years and over
		27 ... Age not stated

71-72	2	<u>Age Recode 12</u>
		01 ... Under 1 year (includes not stated infant ages)
		02 ... 1 - 4 years
		03 ... 5 - 14 years
		04 ... 15 - 24 years
		05 ... 25 - 34 years
		06 ... 35 - 44 years
		07 ... 45 - 54 years
		08 ... 55 - 64 years
		09 ... 65 - 74 years
		10 ... 75 - 84 years
		11 ... 85 years and over
		12 ... Age not stated

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
73-74	2	<u>Infant Age Recode 22</u> Blank ... Age 1 year and over or not stated 01 ... Under 1 hour (includes not stated hours and minutes) 02 ... 1 - 23 hours 03 ... 1 day (includes not stated days) 04 ... 2 days 05 ... 3 days 06 ... 4 days 07 ... 5 days 08 ... 6 days 09 ... 7 - 13 days (includes not stated weeks) 10 ... 14 - 20 days 11 ... 21 - 27 days 12 ... 1 month (includes not stated months) 13 ... 2 months 14 ... 3 months 15 ... 4 months 16 ... 5 months 17 ... 6 months 18 ... 7 months 19 ... 8 months 20 ... 9 months 21 ... 10 months 22 ... 11 months
75	1	<u>Place of death and Decedent's Status</u> 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
76	1	<u>Reserved Position</u>
77	1	<u>Marital Status</u> 1 ... Never married, single 2 ... Married 3 ... Widowed 4 ... Divorced 8 ... Marital Status not on certificate 9 ... Marital Status not stated

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape</u>	<u>Field</u>	<u>Item and Code Outline</u>
<u>Location</u>	<u>Size</u>	
78-79	2	<u>State of Birth</u>
		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
		50 ... Wisconsin
		51 ... Wyoming
		52 ... Puerto Rico
		53 ... Virgin Islands
		54 ... Guam
		55 ... Canada
		56 ... Cuba
		57 ... Mexico
		59 ... Remainder of the world
		99 ... State of birth unknown



1991  
Mortality Multiple Cause-of-Death Record

Tape      Field  
Location Size    Item and Code Outline

80-81      2      Hispanic Origin

00      ... Non - Hispanic  
01      ... Mexican  
02      ... Puerto Rican  
03      ... Cuban  
04      ... Central or South American  
05      ... Other or unknown Hispanic  
99      ... Unknown

82            1      Hispanic Origin/Race Recode

1            ... Mexican  
2            ... Puerto Rican  
3            ... Cuban  
4            ... Central or South American  
5            ... Other or unknown Hispanic  
6            ... Non - Hispanic white  
7            ... Non - Hispanic black  
8            ... Non - Hispanic other races  
9            ... Hispanic origin unknown

83            1      Day of Week of Death

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

84            1      Autopsy Performed

1            ... Yes  
2            ... No  
8            ... Autopsy performed not on certificate  
9            ... Autopsy performed not stated

85-87      3      Kind of Business or Industry

This item is not reported by all states. Refer to the Addendum to Technical Appendix at the back of this publication for a list of reporting states.

For a complete list of categories and codes refer to :  
U.S. Bureau of the Census: Classified index of industries and occupations. 1980 Census of Population. First Edition. Washington. U.S. Government Printing Office, Oct. 1980.

010-990    ... Code range (not inclusive)

In addition to the codes shown in the Census publication, the following codes are also applicable:

942            ... Armed forces  
951            ... Retired; with no other industry reported  
961            ... Non - paid worker or non-worker

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
88-90	3	<p><u>Usual Occupation</u></p> <p>This item is not reported by all states. Refer to the Addendum to Technical Appendix at the back of this publication for a list of reporting states.</p> <p>For a complete list of categories and codes refer to the Census Bureau publication mentioned above.</p> <p>003-999 ... Code range (not inclusive)</p> <p>In addition to the codes shown in the Census publication, the following codes are also applicable:</p> <p>905 ... Military 913 ... Retired; with no other occupation reported 914 ... Homemaker 915 ... Student 916 ... Volunteer 917 ... None</p>
91-93	3	<p><u>52 Cause Recode</u></p> <p>A recode of the cause code into 52 groups designed for use in producing tabulations. Further back in this document is a complete list of recodes and categories.</p> <p>010-560 ... Code range (not inclusive)</p>
94-95	2	<p><u>Business or Industry Recode 51</u></p> <p>A recode of the business or industry code into 51 groups for use in producing tabulations. Further back in this document is a list of the recodes and categories.</p> <p>01-51 ... Code range (not inclusive)</p>
96-97	2	<p><u>Business or Industry Recode 15</u></p> <p>A recode of the business or industry code into 15 groups for use in producing tabulations. Further back in this document is a list of the recodes and categories.</p> <p>01-15 ... Code range</p>
98-99	2	<p><u>Usual Occupation Recode 59</u></p> <p>A recode of the usual occupation code into 59 groups for use in producing tabulations. Further back in this document is a list of the recodes and categories.</p> <p>01-59 ... Code range (not inclusive)</p>
100-101	2	<p><u>Usual Occupation Recode 9</u></p> <p>A recode of the usual occupation code into 9 groups for use in producing tabulations. Further back in this document is a list of the recodes and categories.</p> <p>01-09 ... Code range</p>

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
102-109	8	<u>Reserved Positions</u>
110-113	4	<u>Calculated Detail Age</u>  Four positions are used to code calculated detail age. Location 110 indicates whether age is coded in days or in years. Locations 111 - 113 are the number of days or years.  0 000 ... Less than 1 day 1 001-365 ... Days 2 001-135 ... Years 9 999 ... Age unknown
114	1	<u>Age Substitution Flag</u>  If reported age is unknown but a valid age is calculated using dates of birth and death, the calculated age is substituted for the unknown reported age.  1 ... Calculated age is substituted for reported age
115-118	4	<u>Reserved Positions</u>

1991  
Mortality Multiple Cause-of-Death Record

Tape <u>Location</u>	Field <u>Size</u>	<u>Item and Code Outline</u>
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119-132	14	<u>FEDERAL INFORMATION PROCESSING STANDARDS (FIPS) GEOGRAPHIC CODES</u>
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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 Bureau of Standards (NBS) publications.

119-120	2	<u>State of Occurrence</u>
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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
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

121-123	3	<u>County of Occurrence</u>
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001-nnn	...	Code range
999	...	County of less than 100,000 population or Georgia HIV death (see statement concerning HIV deaths in Georgia).

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape</u>	<u>Field</u>	<u>Item and Code Outline</u>
<u>Location</u>	<u>Size</u>	

124-125	2	<u>State of Residence</u>
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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
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

126-128	3	<u>County of Residence</u>
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000	...	Foreign residents
001-999	...	Code range
999	...	County of less than 100,000 population or Georgia HIV death (see statement concerning HIV deaths in Georgia).

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
129-132	4	<p><u>PMSA/MSA of Residence</u></p> <p>Primary Metropolitan Statistical Areas and Metropolitan Statistical Areas are those defined by the U.S. Office of Management and Budget (OMB) as of June 30, 1990. For New England, the New England County Metropolitan Areas (NECMA) are used.</p> <p>Further back in this document is a list of PMSA's, MSA's, NECMA's, and their component counties.</p> <p>0000 ... Nonmetropolitan counties or foreign residents 0040-9360 ... Code range</p>
133	1	<u>Reserved Position</u>
134-135	2	<p><u>CMSA of Residence</u></p> <p>Consolidated Metropolitan Statistical Areas are groupings of certain Primary Metropolitan Statistical Areas and are defined by the U.S. Office of Management and Budget (OMB) as of June 30, 1990.</p> <p>00 ... Not a CMSA 07 ... Boston - Lawrence-Salem, MA-NH 10 ... Buffalo - Niagara Falls, NY 14 ... Chicago - Gary-Lake County, IL-IN-WI 21 ... Cincinnati - Hamilton, OH-KY-IN 28 ... Cleveland - Akron-Lorain, OH 31 ... Dallas - Fort Worth, TX 34 ... Denver - Boulder, CO 35 ... Detroit - Ann Arbor, MI 41 ... Hartford - New Britain-Middletown, CT 42 ... Houston - Galveston-Brazoria, TX 49 ... Los Angeles -Anaheim-Riverside, CA 56 ... Miami - Fort Lauderdale, FL 63 ... Milwaukee - Racine, WI 70 ... New York -Northern New Jersey-Long Island, NY-NJ-CT 77 ... Philadelphia - Wilmington-Trenton, PA-NJ-DE-MD 78 ... Pittsburg - Beaver Valley, PA 79 ... Portland - Vancouver, OR-WA 80 ... Providence - Pawtucket-Fall River, RI-MA 84 ... San Francisco -Oakland-San Jose, CA 91 ... Seattle - Tacoma, WA</p>
136-140	5	<u>Reserved Positions</u>
141	1	<p><u>Place of Accident for Causes E850-E929</u></p> <p>Blank ... Causes other than E850-E929 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</p>

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
142-159	18	<u>UNDERLYING CAUSE OF DEATH</u>
142-145	4	<u>ICD Code (9th Revision)</u>  See the "International Classification of Diseases", 1975 Revision, Volume 1. 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 145 is blank.
146-150	5	<u>282 Cause Recode</u>  A recode of the ICD cause code into 282 groups for NCHS publications. Further back in this document is a complete list of recodes and the causes included.  00300-35800 ... Code range (not inclusive)
151-153	3	<u>72 Cause Recode</u>  A recode of the ICD cause code into 72 groups for NCHS publications. Further back in this document is a complete list of recodes and the causes included.  010-840 ... Code range (not inclusive)
154-156	3	<u>61 Infant Cause Recode</u>  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)
157-159	3	<u>34 Cause Recode</u>  A recode of the ICD cause code into 34 groups for NCHS publications. Further back in this document is a complete list of recodes and the causes included.  010-370 ... Code range (not inclusive)

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
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160-440	281	<u>MULTIPLE CONDITIONS</u>
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160-161	2	<u>Number of Entity-Axis Conditions</u> 00-20      ... Code range
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162-301	140	<u>ENTITY - AXIS CONTITIONS</u>
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Space has been provided for 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
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Position 3 - 6: Condition code

See Table 1 for a complete list of codes

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

162-168	7	1st Condition
169-175	7	2nd Condition
176-182	7	3rd Condition
183-189	7	4th Condition
190-196	7	5th Condition
197-203	7	6th Condition
204-210	7	7th Condition
211-217	7	8th Condition
218-224	7	9th Condition
225-231	7	10th Condition
232-238	7	11th Condition
239-245	7	12th Condition
246-252	7	13th Condition
253-259	7	14th Condition
260-266	7	15th Condition
267-273	7	16th Condition



1991  
Mortality Multiple Cause-of-Death Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
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ENTITY - AXIS CONDITIONS - continued

274-280	7	17th Condition
281-287	7	18th Condition
288-294	7	19th Condition
295-301	7	20th Condition

302-337	36	<u>Reserved Positions</u>
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338-339	2	<u>Number of Record-Axis Conditions</u> 00-20      ... Code range
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340	1	<u>Reserved Position</u>
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341-440	100	<u>RECORD - AXIS CONDITIONS</u>
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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

See Table 1 for a complete list of codes

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

341-345	5	1st Condition
346-350	5	2nd Condition
351-355	5	3rd Condition
356-360	5	4th Condition
361-365	5	5th Condition
366-370	5	6th Condition
371-375	5	7th Condition
376-380	5	8th Condition
381-385	5	9th Condition
386-390	5	10th Condition
391-395	5	11th Condition
396-400	5	12th Condition
401-405	5	13th Condition
406-410	5	14th Condition

1991  
Mortality Multiple Cause-of-Death Record

<u>Tape</u> <u>Location</u>	<u>Field</u> <u>Size</u>	<u>Item and Code Outline</u>
<u>RECORD - AXIS CONDITIONS - Continued</u>		
411-415	5	15th Condition
416-420	5	16th Condition
421-425	5	17th Condition
426-430	5	18th Condition
431-435	5	19th Condition
436-440	5	20th Condition

## Geographic Code Outline

The following pages show in detail the geographic codes used by the Division of Vital Statistics in the processing of vital event data occurring in the United States. When an event occurs to a nonresident of the United States, residence data are coded only to the "State" level; several western hemisphere countries or the remainder of the world are uniquely identified. Along with the Division of Vital Statistics codes, the Federal Information Processing Standards (FIPS) codes are shown for several items. Both sets of codes appear on the vital event public-use files. The Metropolitan Statistical Area codes are effective with the 1990 data year and are based on the 1990 Census. All other codes are effective with the 1982 data year and are based on results of the 1980 Census.

To aid the user in interpreting the geographic codes, a brief explanation of the codes and of the column headings/abbreviations shown on the following pages are:

**State (St):** Each State and the District of Columbia are numbered alphabetically. In addition, several unique codes are used to identify nonresidents of the U.S.

**County (Cnty):** Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State.

**MSA:** Metropolitan statistical areas are those established by the U.S. Office of Management and Budget (OMB) using 1990 Census population counts. For New England, the New England County Metropolitan Areas (NECMA) are used.

**M/NM:** Metropolitan counties (code 1) are component counties of SMSA's. Nonmetropolitan counties (code 2) are not part of any SMSA.

**City:** Cities are numbered alphabetically within each State and identify each city with a population of 10,000 or more in 1980.

**P/S:** Population size code for city of residence based on the 1980 Census. Refer to the code outline given earlier in this document for specific codes and meanings.

**Name:** Each State, county, and city name is listed along with its respective code. In addition, places used to identify nonresidents of the U.S. are also listed along with their codes.

**FIPS:** For an explanation of FIPS codes, reference should be made to various National Bureau of Standards (NBS) publications.

So! How do I find Yavapai county, Arizona; or Tupelo city, Mississippi?

Since counties and cities are numbered within State, the State and county or the State and city codes must be used to select these areas. It is most helpful if the county is known when looking for a particular city since areas are shown by State, county, and city.

Yavapai county, Arizona - State and county codes 03 013.

Tupelo, Mississippi - State and city codes 25 025 or State, county, city codes 25 041 025.

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes			
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA	
01				Alabama	01		
001	196	1		Autauga	001	5240	
			030 6	Prattville, part			
			999 9	Balance of county			
002	192	1	999 9	Baldwin	003	5160	
003	000	2		Barbour	005	0000	
			013 6	Eufaula			
			999 9	Balance of county			
004	000	2	999 9	Bibb	007	0000	
005	037	1	999 9	Blount	009	1000	
006	000	2	999 9	Bullock	011	0000	
007	000	2	999 9	Butler	013	0000	
008	015	1		Calhoun	015	0450	
			004 5	Anniston			
			999 9	Balance of county			
009	000	2	999 9	Chambers	017	0000	
010	000	2	999 9	Cherokee	019	0000	
011	000	2	999 9	Chilton	021	0000	
012	000	2	999 9	Choctaw	023	0000	
013	000	2	999 9	Clarke	025	0000	
014	000	2	999 9	Clay	027	0000	
015	000	2	999 9	Cleburne	029	0000	
016	000	2		Coffee	031	0000	
			012 6	Enterprise, part			
			999 9	Balance of county			
017	100	1		Colbert	033	2650	
			034 6	Sheffield			
			999 9	Balance of county			
018	000	2	999 9	Conecuh	035	0000	
019	000	2	999 9	Coosa	037	0000	
020	000	2		Covington	039	0000	
			003 6	Andalusia			
			999 9	Balance of county			
021	000	2	999 9	Crenshaw	041	0000	
022	000	2		Cullman	043	0000	
			009 6	Cullman			
			999 9	Balance of county			
023	085	1		Dale	045	2180	
			011 5	Dothan, part			
			012 6	Enterprise, part			
			028 6	Ozark			
			999 9	Balance of county			
024	000	2		Dallas	047	0000	
			033 5	Selma			
			999 9	Balance of county			
025	000	2		De Kalb	049	0000	
			016 6	Fort Payne			
			999 9	Balance of county			
026	196	1		Elmore	051	5240	
			030 6	Prattville, part			
			999 9	Balance of county			
027	000	2	999 9	Escambia	053	0000	
028	111	1		Etowah	055	2880	
			017 5	Gadsden			
			999 9	Balance of county			
029	000	2	999 9	Fayette	057	0000	
030	000	2	999 9	Franklin	059	0000	
031	000	2	999 9	Geneva	061	0000	
032	000	2	999 9	Greene	063	0000	
033	000	2	999 9	Hale	065	0000	
034	000	2	999 9	Henry	067	0000	
035	085	1		Houston	069	2180	
			011 5	Dothan, part			
			999 9	Balance of county			
036	000	2		Jackson	071	0000	
			032 6	Scottsboro			
			999 9	Balance of county			
037	037	1		Jefferson	073	1000	
			007 5	Bessemer			
			008 2	Birmingham			
			014 6	Fairfield			
			018 6	Homewood			
			019 6	Hoover, part			
			020 6	Hueytown			
			025 6	Mountain Brook			

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
01				Alabama	01
			040 6	Vestavia Hills	
			999 9	Balance of county	
038	000	2	999 9	Lamar	075 0000
039	100	1		Lauderdale	077 2650
			015 5	Florence	
			999 9	Balance of county	
040	080	1	999 9	Lawrence	079 2030
041	000	2		Lee	081 0000
			006 5	Auburn	
			027 6	Opelika	
			029 5	Phenix City, part	
			999 9	Balance of county	
042	000	2		Limestone	083 0000
			005 6	Athens	
			999 9	Balance of county	
043	000	2	999 9	Lowndes	085 0000
044	000	2		Macon	087 0000
			039 6	Tuskegee	
			999 9	Balance of county	
045	132	1		Madison	089 3440
			021 3	Huntsville	
			999 9	Balance of county	
046	000	2	999 9	Marengo	091 0000
047	000	2	999 9	Marion	093 0000
048	000	2		Marshall	095 0000
			001 6	Albertville	
			999 9	Balance of county	
049	192	1		Mobile	097 5160
			023 3	Mobile	
			031 5	Prichard	
			999 9	Balance of county	
050	000	2	999 9	Monroe	099 0000
051	196	1		Montgomery	101 5240
			024 3	Montgomery	
			999 9	Balance of county	
052	080	1		Morgan	103 2030
			010 5	Decatur	
			999 9	Balance of county	
053	000	2	999 9	Perry	105 0000
054	000	2	999 9	Pickens	107 0000
055	000	2		Pike	109 0000
			037 6	Troy	
			999 9	Balance of county	
056	000	2	999 9	Randolph	111 0000
057	071	1		Russell	113 1800
			029 5	Phenix City, part	
			999 9	Balance of county	
058	037	1	999 9	St. Clair	115 1000
059	037	1		Shelby	117 1000
			019 6	Hoover, part	
			999 9	Balance of county	
060	000	2	999 9	Sumter	119 0000
061	000	2		Talladega	121 0000
			035 6	Sylacauga	
			036 6	Talladega	
			999 9	Balance of county	
062	000	2		Tallapoosa	123 0000
			002 6	Alexander City	
			999 9	Balance of county	
063	296	1		Tuscaloosa	125 8600
			026 6	Northport	
			038 4	Tuscaloosa	
			999 9	Balance of county	
064	037	1		Walker	127 1000
			022 6	Jasper	
			999 9	Balance of county	
065	000	2	999 9	Washington	129 0000
066	000	2	999 9	Wilcox	131 0000
067	000	2	999 9	Winston	133 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes				
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
02						Alaska	02		
	001	000	2	999	9	Aleutian Islands		010	0000
	002	011	1	001	3	Anchorage, coext. with Anchorage city		020	0380
	003	000	2	999	9	Bethel		050	0000
	004	000	2	999	9	Bristol Bay borough		060	0000
	005	000	2	999	9	Dillingham		070	0000
	006	000	2			Fairbanks North Star borough		090	0000
				002	6	Fairbanks			
				999	9	Balance of area			
	007	000	2	999	9	Haines borough		100	0000
	008	000	2	003	6	Juneau, coext. with Juneau city		110	0000
	009	000	2	999	9	Kenai Peninsula borough		122	0000
	010	000	2	999	9	Ketchikan Gateway borough		130	0000
	011	000	2	999	9	Kobuk		140	0000
	012	000	2	999	9	Kodiak Island borough		150	0000
	013	000	2	999	9	Matanuska-Susitna borough		170	0000
	014	000	2	999	9	Nome		180	0000
	015	000	2	999	9	North Slope borough		185	0000
	016	000	2	999	9	Prince of Wales-Outer Ketchikan		201	0000
	017	000	2	999	9	Sitka borough		220	0000
	018	000	2	999	9	Skagway-Yakutat-Angoon		231	0000
	019	000	2	999	9	Southeast Fairbanks		240	0000
	020	000	2	999	9	Valdez-Cordova		261	0000
	021	000	2	999	9	Wade Hampton		270	0000
	022	000	2	999	9	Wrangell-Petersburg		280	0000
	023	000	2	999	9	Yukon-Koyukuk		290	0000

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
03					Arizona	04
	001	000	2	999	9 Apache	001 0000
	002	000	2		Cochise	003 0000
				003	6 Douglas	
				014	5 Sierra Vista	
				999	9 Balance of county	
	003	000	2		Coconino	005 0000
				004	5 Flagstaff	
				999	9 Balance of county	
	004	000	2	999	9 Gila	007 0000
	005	000	2	999	9 Graham	009 0000
	006	000	2	999	9 Greenlee	011 0000
	007	226	1		Maricopa	013 6200
				002	5 Chandler	
				005	4 Glendale	
				007	3 Mesa	
				009	6 Paradise Valley	
				010	6 Peoria	
				011	1 Phoenix	
				013	4 Scottsdale	
				015	3 Tempe	
				999	9 Balance of county	
	008	000	2		Mohave	015 0000
				006	6 Lake Havasu City	
				999	9 Balance of county	
	009	000	2	999	9 Navajo	017 0000
	010	294	1		Pima	019 8520
				016	2 Tucson	
				999	9 Balance of county	
	011	000	2		Pinal	021 0000
				001	6 Casa Grande	
				999	9 Balance of county	
	012	000	2		Santa Cruz	023 0000
				008	6 Nogales	
				999	9 Balance of county	
	013	000	2		Yavapai	025 0000
				012	6 Prescott	
				999	9 Balance of county	
	014	320	1		Yuma	027 9360
				017	5 Yuma	
				999	9 Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes		FIPS Codes			
St Cnty	MSA M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA
04			Arkansas	05	
001	000	2	Arkansas	001	0000
		025 6	Stuttgart		
		999 9	Balance of county		
002	000	2	Ashley	003	0000
003	000	2	Baxter	005	0000
004	000	2	Benton	007	0000
		020 6	Rogers		
		024 6	Springdale, part		
		999 9	Balance of county		
005	000	2	Boone	009	0000
006	000	2	Bradley	011	0000
007	000	2	Calhoun	013	0000
008	000	2	Carroll	015	0000
009	000	2	Chicot	017	0000
010	000	2	Clark	019	0000
		001 6	Arkadelphia		
		999 9	Balance of county		
011	000	2	Clay	021	0000
012	000	2	Cleburne	023	0000
013	000	2	Cleveland	025	0000
014	000	2	Columbia	027	0000
		015 6	Magnolia		
		999 9	Balance of county		
015	000	2	Conway	029	0000
016	000	2	Craighead	031	0000
		013 5	Jonesboro		
		999 9	Balance of county		
017	106	1	Crawford	033	2720
		027 6	Van Buren		
		999 9	Balance of county		
018	185	1	Crittenden	035	4920
		029 5	West Memphis		
		999 9	Balance of county		
019	000	2	Cross	037	0000
020	000	2	Dallas	039	0000
021	000	2	Desha	041	0000
022	000	2	Drew	043	0000
023	171	1	Faulkner	045	4400
		005 6	Conway		
		999 9	Balance of county		
024	000	2	Franklin	047	0000
025	000	2	Fulton	049	0000
026	000	2	Garland	051	0000
		011 5	Hot Springs		
		999 9	Balance of county		
027	000	2	Grant	053	0000
028	000	2	Greene	055	0000
		018 6	Paragould		
		999 9	Balance of county		
029	000	2	Hempstead	057	0000
		010 6	Hope		
		999 9	Balance of county		
030	000	2	Hot Spring	059	0000
		016 6	Malvern		
		999 9	Balance of county		
031	000	2	Howard	061	0000
032	000	2	Independence	063	0000
033	000	2	Izard	065	0000
034	000	2	Jackson	067	0000
035	227	1	Jefferson	069	6240
		019 4	Pine Bluff		
		999 9	Balance of county		
036	000	2	Johnson	071	0000
037	000	2	Lafayette	073	0000
038	000	2	Lawrence	075	0000
039	000	2	Lee	077	0000
040	000	2	Lincoln	079	0000
041	000	2	Little River	081	0000
042	000	2	Logan	083	0000
043	171	1	Lonoke	085	4400
044	000	2	Madison	087	0000
045	000	2	Marion	089	0000
046	290	1	Miller	091	8360
		026 6	Texarkana		



MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
04				Arkansas	05
			999 9	Balance of county	
047	000	2		Mississippi	093 0000
			003 6	Blytheville	
			999 9	Balance of county	
048	000	2	999 9	Monroe	095 0000
049	000	2	999 9	Montgomery	097 0000
050	000	2	999 9	Nevada	099 0000
051	000	2	999 9	Newton	101 0000
052	000	2		Ouachita	103 0000
			004 6	Camden	
			999 9	Balance of county	
053	000	2	999 9	Perry	105 0000
054	000	2		Phillips	107 0000
			028 6	West Helena	
			999 9	Balance of county	
055	000	2	999 9	Pike	109 0000
056	000	2	999 9	Poinsett	111 0000
057	000	2	999 9	Polk	113 0000
058	000	2		Pope	115 0000
			021 6	Russellville	
			999 9	Balance of county	
059	000	2	999 9	Prairie	117 0000
060	171	1		Pulaski	119 4400
			012 5	Jacksonville	
			014 3	Little Rock	
			017 4	North Little Rock	
			023 6	Sherwood	
			999 9	Balance of county	
061	000	2	999 9	Randolph	121 0000
062	000	2		St. Francis	123 0000
			008 6	Forrest City	
			999 9	Balance of county	
063	171	1		Saline	125 4400
			002 6	Benton	
			999 9	Balance of county	
064	000	2	999 9	Scott	127 0000
065	000	2	999 9	Searcy	129 0000
066	106	1		Sebastian	131 2720
			009 4	Fort Smith	
			999 9	Balance of county	
067	000	2	999 9	Sevier	133 0000
068	000	2	999 9	Sharp	135 0000
069	000	2	999 9	Stone	137 0000
070	000	2		Union	139 0000
			006 5	El Dorado	
			999 9	Balance of county	
071	000	2	999 9	Van Buren	141 0000
072	098	1		Washington	143 2580
			007 5	Fayetteville	
			024 6	Springdale, part	
			999 9	Balance of county	
073	000	2		White	145 0000
			022 6	Searcy	
			999 9	Balance of county	
074	000	2	999 9	Woodruff	147 0000
075	000	2	999 9	Yell	149 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes

FIPS Codes

St Cnty MSA M/NM City P/S State, County, City, or Country Name

St Cnty MSA

05	001	210	1		California	06		
					Alameda		001	5775
				001	4			
				002	6			
				022	3			
				071	3			
				082	4			
				107	5			
				141	5			
				146	2			
				163	6			
				168	5			
				202	4			
				241	5			
				999	9			
	002	000	2	999	9	Alpine	003	0000
	003	000	2	999	9	Amador	005	0000
	004	064	1			Butte	007	1620
				037	5	Chico		
				158	6	Paradise		
				999	9	Balance of county		
	005	000	2	999	9	Calaveras	009	0000
	006	000	2	999	9	Colusa	011	0000
	007	210	1			Contra Costa	013	5775
				005	5	Antioch		
				045	3	Concord		
				061	6	El Cerrito		
				094	6	Lafayette		
				123	6	Martinez		
				136	6	Moraga Town		
				164	6	Pinole		
				165	5	Pittsburg		
				167	5	Pleasant Hill		
				180	4	Richmond		
				207	6	San Pablo		
				248	4	Walnut Creek		
				999	9	Balance of county		
	008	000	2	999	9	Del Norte	015	0000
	009	250	1			El Dorado	017	6920
				226	6	South Lake Tahoe		
				999	9	Balance of county		
	010	110	1			Fresno	019	2840
				041	5	Clovis		
				072	3	Fresno		
				178	6	Reedley		
				199	6	Sanger		
				221	6	Selma		
				999	9	Balance of county		
	011	000	2	999	9	Glenn	021	0000
	012	000	2			Humboldt	023	0000
				007	6	Arcata		
				065	6	Eureka		
				999	9	Balance of county		
	013	000	2			Imperial	025	0000
				024	6	Brawley		
				029	6	Calexico		
				060	6	El Centro		
				999	9	Balance of county		
	014	000	2	999	9	Inyo	027	0000
	015	024	1			Kern	029	0680
				013	3	Bakersfield		
				056	6	Delano		
				181	6	Ridgecrest		
				999	9	Balance of county		
	016	000	2			Kings	031	0000
				079	6	Hanford		
				999	9	Balance of county		
	017	000	2	999	9	Lake	033	0000
	018	000	2	999	9	Lassen	035	0000
	019	174	1			Los Angeles	037	4480
				003	4	Alhambra		
				006	5	Arcadia		
				009	6	Artesia		
				012	5	Azusa		
				014	4	Baldwin Park		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes FIPS Codes  
 St Cnty MSA M/NM City P/S State, County, City, or Country Name St Cnty MSA

St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
05					California	06	
			017	5	Bell		
			018	4	Bellflower		
			019	5	Bell Gardens		
			023	5	Beverly Hills		
			027	4	Burbank		
			034	4	Carson		
			036	4	Cerritos		
			040	5	Claremont		
			043	6	Commerce		
			044	4	Compton		
			049	5	Covina		
			050	6	Cudahy		
			051	5	Culver City		
			057	4	Downey		
			058	6	Duarte		
			062	4	El Monte		
			063	6	El Segundo		
			074	5	Gardena		
			077	3	Glendale		
			078	5	Glendora		
			080	6	Hawaiian Gardens		
			081	4	Hawthorne		
			084	6	Hermosa Beach		
			088	5	Huntington Park		
			091	4	Inglewood		
			093	6	La Canada Flintridge		
			097	4	Lakewood		
			099	5	La Mirada		
			100	5	Lancaster		
			102	5	La Puente		
			104	6	La Verne		
			105	6	Lawndale		
			110	6	Lomita		
			112	2	Long Beach		
			115	0	Los Angeles		
			118	5	Lynwood		
			120	5	Manhattan Beach		
			124	6	Maywood		
			131	5	Monrovia		
			133	4	Montebello		
			135	4	Monterey Park		
			144	4	Norwalk		
			153	6	Palmdale		
			157	6	Palos Verdes Estates		
			159	5	Paramount		
			160	3	Pasadena		
			162	4	Pico Rivera		
			169	4	Pomona		
			173	5	Rancho Palos Verdes		
			176	4	Redondo Beach		
			184	5	Rosemead		
			195	6	San Dimas		
			196	6	San Fernando		
			198	5	San Gabriel		
			205	6	San Marino		
			213	6	Santa Fe Springs		
			215	4	Santa Monica		
			222	6	Sierra Madre		
			224	6	South El Monte		
			225	4	South Gate		
			227	6	South Pasadena		
			233	5	Temple City		
			235	3	Torrance		
			250	4	West Covina		
			252	4	Whittier		
			999	9	Balance of county		
020	000	2			Madera	039	0000
			119	6	Madera		
			999	9	Balance of county		
021	261	1			Marin	041	7360
			103	6	Larkspur		
			128	6	Mill Valley		
			145	5	Novato		
			188	6	San Anselmo		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes	
St Cnty	MSA	M/NM	City P/S			St Cnty	MSA
05				California		06	
			208 5	San Rafael			
			999 9	Balance of county			
022	000	2	999 9	Mariposa		043	0000
023	000	2		Mendocino		045	0000
			240 6	Ukiah			
			999 9	Balance of county			
024	186	1		Merced		047	4940
			011 6	Atwater			
			116 6	Los Banos			
			126 5	Merced			
			999 9	Balance of county			
025	000	2	999 9	Modoc		049	0000
026	000	2	999 9	Mono		051	0000
027	256	1		Monterey		053	7120
			122 6	Marina			
			134 5	Monterey			
			152 6	Pacific Grove			
			187 4	Salinas			
			220 5	Seaside			
			999 9	Balance of county			
028	299	1		Napa		055	8720
			139 4	Napa			
			999 9	Balance of county			
029	000	2	999 9	Nevada		057	0000
030	010	1		Orange		059	0360
			004 3	Anaheim			
			025 5	Brea			
			026 4	Buena Park			
			048 4	Costa Mesa			
			053 5	Cypress			
			070 4	Fountain Valley			
			073 3	Fullerton			
			075 3	Garden Grove			
			087 3	Huntington Beach			
			092 4	Irvine			
			095 6	Laguna Beach			
			096 5	La Habra			
			101 6	La Palma			
			113 6	Los Alamitos			
			142 4	Newport Beach			
			149 4	Orange			
			166 5	Placentia			
			193 5	San Clemente			
			201 6	San Juan Capistrano			
			209 3	Santa Ana			
			219 5	Seal Beach			
			229 6	Stanton			
			239 5	Tustin			
			251 4	Westminster			
			254 5	Yorba Linda			
			999 9	Balance of county			
031	250	1		Placer		061	6920
			185 6	Roseville			
			999 9	Balance of county			
032	000	2	999 9	Plumas		063	0000
033	245	1		Riverside		065	6780
			015 6	Banning			
			046 5	Corona			
			083 6	Hemet			
			090 6	Indio			
			143 6	Norco			
			154 6	Palm Desert			
			155 5	Palm Springs			
			182 3	Riverside			
			999 9	Balance of county			
034	250	1		Sacramento		067	6920
			067 6	Folsom			
			186 2	Sacramento			
			999 9	Balance of county			
035	000	2		San Benito		069	0000
			086 6	Hollister			
			999 9	Balance of county			
036	245	1		San Bernardino		071	6780
			016 6	Barstow			

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
05				California	06
			038 5	Chino	
			042 5	Colton	
			068 5	Fontana	
			109 6	Loma Linda	
			132 6	Montclair	
			148 4	Ontario	
			172 4	Rancho Cucamonga	
			175 5	Redlands	
			179 5	Rialto	
			189 3	San Bernardino	
			242 5	Upland	
			245 6	Victorville	
			999 9	Balance of county	
037	260	1		San Diego	073 7320
			032 5	Carlsbad	
			039 4	Chula Vista	
			047 6	Coronado	
			059 4	El Cajon	
			064 4	Escondido	
			089 6	Imperial Beach	
			098 4	La Mesa	
			106 6	Lemon Grove	
			140 5	National City	
			147 4	Oceanside	
			194 1	San Diego	
			204 6	San Marcos	
			247 5	Vista	
			999 9	Balance of county	
038	261	1	197 1	San Francisco, coext. with San Francisco city	075 7360
039	284	1		San Joaquin	077 8120
			108 5	Lodi	
			121 6	Manteca	
			230 3	Stockton	
			236 6	Tracy	
			999 9	Balance of county	
040	000	2		San Luis Obispo	079 0000
			008 6	Arroyo Grande	
			010 6	Atascadero	
			203 5	San Luis Obispo	
			999 9	Balance of county	
041	261	1		San Mateo	081 7360
			020 6	Belmont	
			028 5	Burlingame	
			054 4	Daly City	
			069 6	Foster City	
			085 6	Hillsborough	
			125 5	Menlo Park	
			127 6	Millbrae	
			151 5	Pacifica	
			177 4	Redwood City	
			190 5	San Bruno	
			192 6	San Carlos	
			206 4	San Mateo	
			228 5	South San Francisco	
			999 9	Balance of county	
042	263	1		Santa Barbara	083 7480
			033 6	Carpinteria	
			111 5	Lompoc	
			210 4	Santa Barbara	
			214 5	Santa Maria	
			999 9	Balance of county	
043	262	1		Santa Clara	085 7400
			031 5	Campbell	
			052 5	Cupertino	
			076 6	Gilroy	
			114 5	Los Altos	
			117 5	Los Gatos	
			129 5	Milpitas	
			137 6	Morgan Hill	
			138 4	Mountain View	
			156 4	Palo Alto	
			200 1	San Jose	
			211 4	Santa Clara	
			218 5	Saratoga	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes			
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
05					California	06	
			232	3	Sunnyvale		
			999	9	Balance of county		
044	264	1			Santa Cruz	087	7485
			212	5	Santa Cruz		
			249	6	Watsonville		
			999	9	Balance of county		
045	241	1			Shasta	089	6690
			174	5	Redding		
			999	9	Balance of county		
046	000	2	999	9	Sierra	091	0000
047	000	2	999	9	Siskiyou	093	0000
048	299	1			Solano	095	8720
			021	6	Benicia		
			066	4	Fairfield		
			231	6	Suisun City		
			243	5	Vacaville		
			244	4	Vallejo		
			999	9	Balance of county		
049	266	1			Sonoma	097	7500
			161	5	Petaluma		
			183	6	Rohnert Park		
			217	4	Santa Rosa		
			999	9	Balance of county		
050	193	1			Stanislaus	099	5170
			035	6	Ceres		
			130	3	Modesto		
			238	5	Turlock		
			999	9	Balance of county		
051	319	1			Sutter	101	9340
			255	6	Yuba City		
			999	9	Balance of county		
052	000	2	999	9	Tehama	103	0000
053	000	2	999	9	Trinity	105	0000
054	303	1			Tulare	107	8780
			170	6	Porterville		
			237	6	Tulare		
			246	5	Visalia		
			999	9	Balance of county		
055	000	2	999	9	Tuolumne	109	0000
056	219	1			Ventura	111	6000
			030	5	Camarillo		
			150	3	Oxnard		
			171	6	Port Hueneme		
			191	4	San Buenaventura (Ventura)		
			216	6	Santa Paula		
			223	4	Simi Valley		
			234	4	Thousand Oaks		
			999	9	Balance of county		
057	250	1			Yolo	113	6920
			055	5	Davis		
			253	5	Woodland		
			999	9	Balance of county		
058	319	1	999	9	Yuba	115	9340

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
06				Colorado	08
	001	082	1	Adams	001 2080
			001 4	Arvada, part	
			002 3	Aurora, part	
			004 6	Brighton, part	
			005 6	Broomfield, part	
			008 6	Commerce City	
			020 5	Northglenn	
			023 5	Thornton	
			024 4	Westminster, part	
			999 9	Balance of county	
	002	000	2	Alamosa	003 0000
	003	082	1	Arapahoe	005 2080
			002 3	Aurora, part	
			011 5	Englewood	
			017 5	Littleton, part	
			999 9	Balance of county	
	004	000	2	Archuleta	007 0000
	005	000	2	Baca	009 0000
	006	000	2	Bent	011 0000
	007	043	1	Boulder	013 1125
			003 4	Boulder	
			005 6	Broomfield, part	
			018 5	Longmont	
			999 9	Balance of county	
	008	000	2	Chaffee	015 0000
	009	000	2	Cheyenne	017 0000
	010	000	2	Clear Creek	019 0000
	011	000	2	Conejos	021 0000
	012	000	2	Costilla	023 0000
	013	000	2	Crowley	025 0000
	014	000	2	Custer	027 0000
	015	000	2	Delta	029 0000
	016	082	1	Denver, coext. with Denver city	031 2080
	017	000	2	Dolores	033 0000
	018	082	1	Douglas	035 2080
			017 5	Littleton, part	
			999 9	Balance of county	
	019	000	2	Eagle	037 0000
	020	000	2	Elbert	039 0000
	021	068	1	El Paso	041 1720
			007 3	Colorado Springs	
			999 9	Balance of county	
	022	000	2	Fremont	043 0000
			006 6	Canon City	
			999 9	Balance of county	
	023	000	2	Garfield	045 0000
	024	000	2	Gilpin	047 0000
	025	000	2	Grand	049 0000
	026	000	2	Gunnison	051 0000
	027	000	2	Hinsdale	053 0000
	028	000	2	Huerfano	055 0000
	029	000	2	Jackson	057 0000
	030	082	1	Jefferson	059 2080
			001 4	Arvada, part	
			005 6	Broomfield, part	
			013 6	Golden	
			016 3	Lakewood	
			024 4	Westminster, part	
			025 5	Wheat Ridge	
			999 9	Balance of county	
	031	000	2	Kiowa	061 0000
	032	000	2	Kit Carson	063 0000
	033	000	2	Lake	065 0000
	034	000	2	La Plata	067 0000
			010 6	Durango	
			999 9	Balance of county	
	035	102	1	Larimer	069 2670
			012 4	Fort Collins	
			019 5	Loveland	
			999 9	Balance of county	
	036	000	2	Las Animas	071 0000
	037	000	2	Lincoln	073 0000
	038	000	2	Logan	075 0000
			022 6	Sterling	

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.  
 Vital Statistics Codes FIPS Codes  
 St Cnty MSA M/NM City P/S State, County, City, or Country Name St Cnty MSA

06					Colorado	08	
			999	9	Balance of county		
039	000	2			Mesa	077	0000
			014	5	Grand Junction		
			999	9	Balance of county		
040	000	2	999	9	Mineral	079	0000
041	000	2	999	9	Moffat	081	0000
042	000	2	999	9	Montezuma	083	0000
043	000	2	999	9	Montrose	085	0000
044	000	2	999	9	Morgan	087	0000
045	000	2	999	9	Otero	089	0000
046	000	2	999	9	Ouray	091	0000
047	000	2	999	9	Park	093	0000
048	000	2	999	9	Phillips	095	0000
049	000	2	999	9	Pitkin	097	0000
050	000	2	999	9	Prowers	099	0000
051	236	1			Pueblo	101	6560
			021	3	Pueblo		
			999	9	Balance of county		
052	000	2	999	9	Rio Blanco	103	0000
053	000	2	999	9	Rio Grande	105	0000
054	000	2	999	9	Routt	107	0000
055	000	2	999	9	Saguache	109	0000
056	000	2	999	9	San Juan	111	0000
057	000	2	999	9	San Miguel	113	0000
058	000	2	999	9	Sedgwick	115	0000
059	000	2	999	9	Summit	117	0000
060	000	2	999	9	Teller	119	0000
061	000	2	999	9	Washington	121	0000
062	119	1			Weld	123	3060
			004	6	Brighton, part		
			015	4	Greeley		
			999	9	Balance of county		
063	000	2	999	9	Yuma	125	0000



MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes

FIPS Codes  
St Cnty MSA

St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	FIPS Codes
07					Connecticut	09
	001	047	1		Fairfield	001 1163
				003	3 Bridgeport	
				005	4 Danbury	
				006	6 Darien town	
				011	4 Fairfield town	
				012	4 Greenwich town	
				026	4 Norwalk	
				031	5 Shelton	
				033	3 Stamford	
				034	4 Stratford town	
				036	5 Trumbull town	
				042	5 Westport town	
				999	9 Balance of county	
	002	126	1		Hartford	003 3283
				004	4 Bristol	
				008	4 East Hartford town	
				010	5 Enfield town	
				015	3 Hartford	
				016	5 Manchester town	
				021	4 New Britain	
				023	5 Newington town	
				029	6 Plainville town	
				030	6 Rocky Hill town	
				032	5 Southington town	
				040	4 West Hartford town	
				043	5 Wethersfield town	
				045	5 Windsor town	
				046	6 Windsor Locks town	
				999	9 Balance of county	
	003	000	2		Litchfield	005 0000
				035	5 Torrington	
				999	9 Balance of county	
	004	126	1		Middlesex	007 3283
				018	5 Middletown	
				999	9 Balance of county	
	005	203	1		New Haven	009 5483
				001	6 Ansonia	
				002	6 Branford town	
				007	6 Derby	
				009	5 East Haven town	
				014	4 Hamden town	
				017	4 Meriden	
				019	5 Milford	
				020	5 Naugatuck	
				022	3 New Haven	
				025	6 North Haven town	
				028	6 Orange town	
				038	5 Wallingford town	
				039	3 Waterbury	
				041	4 West Haven	
				999	9 Balance of county	
	006	204	1		New London	011 5523
				013	6 Groton	
				024	5 New London	
				027	5 Norwich	
				999	9 Balance of county	
	007	126	1		Tolland	013 3283
				037	5 Vernon town	
				999	9 Balance of county	
	008	000	2		Windham	015 0000
				044	6 Willimantic	
				999	9 Balance of county	

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes

FIPS Codes

St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
08						Delaware	10		
	001	000	2			Kent		001	0000
				001	6	Dover			
				999	9	Balance of county			
	002	313	1			New Castle		003	9160
				002	5	Newark			
				003	4	Wilmington			
				999	9	Balance of county			
	003	000	2	999	9	Sussex		005	0000

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes							FIPS Codes	
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
09	001	305	1	001	1	District of Columbia	11	001 8840

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						Page 17	
Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
10					Florida	12	
	001	112	1		Alachua	001	2900
			026	4	Gainesville		
			999	9	Balance of county		
	002	000	2	999	Baker	003	0000
	003	220	1		Bay	005	6015
			066	5	Panama City		
			999	9	Balance of county		
	004	112	1	999	Bradford	007	2900
	005	184	1		Brevard	009	4900
			010	6	Cocoa		
			011	6	Cocoa Beach		
			046	5	Melbourne		
			064	6	Palm Bay		
			076	6	Rockledge		
			089	5	Titusville		
			999	9	Balance of county		
	006	103	1		Broward	011	2680
			012	6	Cooper City		
			014	5	Coral Springs		
			015	6	Dania		
			016	6	Davie		
			018	5	Deerfield Beach		
			022	3	Fort Lauderdale		
			029	5	Hallandale, part		
			031	3	Hollywood		
			040	5	Lauderdale Lakes		
			041	5	Lauderhill		
			043	6	Lighthouse Point		
			045	5	Margate		
			050	5	Miramar		
			054	6	North Lauderdale		
			058	6	Oakland Park		
			067	5	Pembroke Pines		
			070	5	Plantation		
			072	4	Pompano Beach		
			083	5	Sunrise		
			085	5	Tamarac		
			093	6	Wilton Manors		
			999	9	Balance of county		
	007	000	2	999	Calhoun	013	0000
	008	000	2	999	Charlotte	015	0000
	009	000	2	999	Citrus	017	0000
	010	138	1	999	Clay	019	3600
	011	199	1		Collier	021	5345
			051	6	Naples		
			999	9	Balance of county		
	012	000	2	999	Columbia	023	0000
	013	187	1		Dade	025	5000
			013	5	Coral Gables		
			029	5	Hallandale, part		
			030	3	Hialeah		
			032	6	Homestead		
			047	2	Miami		
			048	4	Miami Beach		
			049	6	Miami Springs		
			055	5	North Miami		
			056	5	North Miami Beach		
			060	6	Opa-locka		
			082	6	South Miami		
			999	9	Balance of county		
	014	000	2	999	De Soto	027	0000
	015	000	2	999	Dixie	029	0000
	016	138	1		Duval	031	3600
			033	1	Jacksonville		
			034	6	Jacksonville Beach		
			999	9	Balance of county		
	017	223	1		Escambia	033	6080
			068	4	Pensacola		
			999	9	Balance of county		
	018	000	2	999	Flagler	035	0000
	019	000	2	999	Franklin	037	0000
	020	287	1	999	Gadsden	039	8240
	021	000	2	999	Gilchrist	041	0000
	022	000	2	999	Glades	043	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes	
St Cnty	MSA	M/NM	City	P/S		St Cnty	MSA
10					Florida	12	
	023	000	2	999	9 Gulf		045 0000
	024	000	2	999	9 Hamilton		047 0000
	025	000	2	999	9 Hardee		049 0000
	026	000	2	999	9 Hendry		051 0000
	027	288	1	999	9 Hernando		053 8280
	028	000	2	999	9 Highlands		055 0000
	029	288	1		Hillsborough		057 8280
				071	6 Plant City		
				086	2 Tampa		
				088	6 Temple Terrace		
				999	9 Balance of county		
	030	000	2	999	9 Holmes		059 0000
	031	000	2		Indian River		061 0000
				091	6 Vero Beach		
				999	9 Balance of county		
	032	000	2	999	9 Jackson		063 0000
	033	000	2	999	9 Jefferson		065 0000
	034	000	2	999	9 Lafayette		067 0000
	035	000	2		Lake		069 0000
				042	6 Leesburg		
				999	9 Balance of county		
	036	104	1		Lee		071 2700
				007	5 Cape Coral		
				023	5 Fort Myers		
				999	9 Balance of county		
	037	287	1		Leon		073 8240
				084	4 Tallahassee		
				999	9 Balance of county		
	038	000	2	999	9 Levy		075 0000
	039	000	2	999	9 Liberty		077 0000
	040	000	2	999	9 Madison		079 0000
	041	044	1		Manatee		081 1140
				006	5 Bradenton		
				999	9 Balance of county		
	042	211	1		Marion		083 5790
				059	5 Ocala		
				999	9 Balance of county		
	043	105	1	999	9 Martin		085 2710
	044	000	2		Monroe		087 0000
				035	6 Key West		
				999	9 Balance of county		
	045	138	1	999	9 Nassau		089 3600
	046	107	1		Okaloosa		091 2750
				025	6 Fort Walton Beach		
				999	9 Balance of county		
	047	000	2	999	9 Okeechobee		093 0000
	048	217	1		Orange		095 5960
				061	3 Orlando		
				095	6 Winter Park		
				999	9 Balance of county		
	049	217	1		Osceola		097 5960
				036	6 Kissimmee		
				999	9 Balance of county		
	050	308	1		Palm Beach		099 8960
				003	6 Belle Glade		
				004	5 Boca Raton		
				005	5 Boynton Beach		
				020	5 Delray Beach		
				038	5 Lake Worth		
				057	6 North Palm Beach		
				065	6 Palm Beach Gardens		
				075	5 Riviera Beach		
				092	4 West Palm Beach		
				999	9 Balance of county		
	051	288	1		Pasco		101 8280
				052	6 New Port Richey		
				999	9 Balance of county		
	052	288	1		Pinellas		103 8280
				009	4 Clearwater		
				021	5 Dunedin		
				027	6 Gulfport		
				039	4 Largo		
				069	5 Pinellas Park		
				078	3 St. Petersburg		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes					
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
10						Florida			12
				087	6	Tarpon Springs			
				999	9	Balance of county			
053	159	1				Polk			105 3980
				002	6	Bartow			
				028	6	Haines City			
				037	5	Lakeland			
				094	6	Winter Haven			
				999	9	Balance of county			
054	000	2				Putnam			107 0000
				063	6	Palatka			
				999	9	Balance of county			
055	138	1				St. Johns			109 3600
				077	6	St. Augustine			
				999	9	Balance of county			
056	105	1				St. Lucie			111 2710
				024	5	Fort Pierce			
				074	6	Port St. Lucie			
				999	9	Balance of county			
057	223	1		999	9	Santa Rosa			113 6080
058	267	1				Sarasota			115 7510
				080	5	Sarasota			
				090	6	Venice			
				999	9	Balance of county			
059	217	1				Seminole			117 5960
				001	6	Altamonte Springs			
				008	6	Casselberry			
				044	6	Longwood			
				079	6	Sanford			
				096	6	Winter Springs			
				999	9	Balance of county			
060	000	2		999	9	Sumter			119 0000
061	000	2		999	9	Suwannee			121 0000
062	000	2		999	9	Taylor			123 0000
063	000	2		999	9	Union			125 0000
064	079	1				Volusia			127 2020
				017	4	Daytona Beach			
				019	6	De Land			
				053	6	New Smyrna Beach			
				062	6	Ormond Beach			
				073	6	Port Orange			
				081	6	South Daytona			
				999	9	Balance of county			
065	000	2		999	9	Wakulla			129 0000
066	000	2		999	9	Walton			131 0000
067	000	2		999	9	Washington			133 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes	
St Cnty	MSA	M/NM	City	P/S		St Cnty	MSA
					Georgia		
11	001	000	2	999	9	Appling	13 001 0000
	002	000	2	999	9	Atkinson	003 0000
	003	000	2	999	9	Bacon	005 0000
	004	000	2	999	9	Baker	007 0000
	005	000	2			Baldwin	009 0000
				026	6	Milledgeville	
				999	9	Balance of county	
	006	000	2	999	9	Banks	011 0000
	007	019	1	999	9	Barrow	013 0520
	008	000	2	999	9	Bartow	015 0000
	009	000	2			Ben Hill	017 0000
				018	6	Fitzgerald, part	
				999	9	Balance of county	
	010	000	2	999	9	Berrien	019 0000
	011	178	1			Bibb	021 4680
				024	3	Macon, part	
				999	9	Balance of county	
	012	000	2	999	9	Bleckley	023 0000
	013	000	2	999	9	Brantley	025 0000
	014	000	2	999	9	Brooks	027 0000
	015	000	2	999	9	Bryan	029 0000
	016	000	2			Bulloch	031 0000
				033	6	Statesboro	
				999	9	Balance of county	
	017	000	2	999	9	Burke	033 0000
	018	019	1	999	9	Butts	035 0520
	019	000	2	999	9	Calhoun	037 0000
	020	000	2	999	9	Camden	039 0000
	021	000	2	999	9	Candler	043 0000
	022	000	2			Carroll	045 0000
				008	6	Carrollton	
				999	9	Balance of county	
	023	061	1	999	9	Catoosa	047 1560
	024	000	2	999	9	Charlton	049 0000
	025	268	1			Chatham	051 7520
				031	3	Savannah	
				999	9	Balance of county	
	026	071	1	999	9	Chattahoochee	053 1800
	027	000	2	999	9	Chattooga	055 0000
	028	019	1	999	9	Cherokee	057 0520
	029	018	1			Clarke	059 0500
				003	5	Athens	
				999	9	Balance of county	
	030	000	2	999	9	Clay	061 0000
	031	019	1			Clayton	063 0520
				009	6	College Park, part	
				019	6	Forest Park	
				999	9	Balance of county	
	032	000	2	999	9	Clinch	065 0000
	033	019	1			Cobb	067 0520
				025	5	Marietta	
				032	6	Smyrna	
				999	9	Balance of county	
	034	000	2			Coffee	069 0000
				015	6	Douglas	
				999	9	Balance of county	
	035	000	2			Colquitt	071 0000
				027	6	Moultrie	
				999	9	Balance of county	
	036	021	1	999	9	Columbia	073 0600
	037	000	2	999	9	Cook	075 0000
	038	019	1			Coweta	077 0520
				028	6	Newnan	
				999	9	Balance of county	
	039	000	2	999	9	Crawford	079 0000
	040	000	2			Crisp	081 0000
				011	6	Cordele	
				999	9	Balance of county	
	041	061	1	999	9	Dade	083 1560
	042	000	2	999	9	Dawson	085 0000
	043	000	2			Decatur	087 0000
				006	6	Bainbridge	
				999	9	Balance of county	
	044	019	1			De Kalb	089 0520
				004	2	Atlanta, part	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					State, County, City, or Country Name	FIPS Codes		
St	Cnty	MSA	M/NM	City	P/S	St	Cnty	MSA
11					Georgia	13		
				014	6			
				999	9			
				999	9			
045	000	2		999	9		091	0000
046	000	2		999	9		093	0000
047	003	1					095	0120
				001	4			
				999	9			
				999	9			
048	019	1		999	9		097	0520
049	000	2		999	9		099	0000
050	000	2		999	9		101	0000
051	268	1		999	9		103	7520
052	000	2		999	9		105	0000
053	000	2		999	9		107	0000
054	000	2		999	9		109	0000
055	000	2		999	9		111	0000
056	019	1		999	9		113	0520
057	000	2					115	0000
				029	5			
				999	9			
				999	9			
058	019	1		999	9		117	0520
059	000	2		999	9		119	0000
060	019	1					121	0520
				004	2			
				009	6			
				017	5			
				030	6			
				999	9			
				999	9			
061	000	2		999	9		123	0000
062	000	2		999	9		125	0000
063	000	2					127	0000
				007	6			
				999	9			
				999	9			
064	000	2		999	9		129	0000
065	000	2		999	9		131	0000
066	000	2		999	9		133	0000
067	019	1		999	9		135	0520
068	000	2		999	9		137	0000
069	000	2					139	0000
				020	6			
				999	9			
				999	9			
070	000	2		999	9		141	0000
071	000	2		999	9		143	0000
072	000	2		999	9		145	0000
073	000	2		999	9		147	0000
074	000	2		999	9		149	0000
075	019	1		999	9		151	0520
076	178	1					153	4680
				038	5			
				999	9			
				999	9			
077	000	2					155	0000
				018	6			
				999	9			
				999	9			
078	018	1		999	9		157	0500
079	000	2		999	9		159	0000
080	000	2		999	9		161	0000
081	000	2		999	9		163	0000
082	000	2		999	9		165	0000
083	000	2		999	9		167	0000
084	178	1					169	4680
				024	3			
				999	9			
				999	9			
085	000	2		999	9		171	0000
086	000	2		999	9		173	0000
087	000	2					175	0000
				016	6			
				999	9			
				999	9			
088	003	1		999	9		177	0120
089	000	2					179	0000
				022	6			
				999	9			
				999	9			
090	000	2		999	9		181	0000
091	000	2		999	9		183	0000
092	000	2					185	0000
				036	5			



MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
11				Georgia	13
			999 9	Balance of county	
093	000	2	999 9	Lumpkin	187 0000
094	021	1	999 9	McDuffie	189 0600
095	000	2	999 9	McIntosh	191 0000
096	000	2	999 9	Macon	193 0000
097	018	1	999 9	Madison	195 0500
098	000	2	999 9	Marion	197 0000
099	000	2	999 9	Meriwether	199 0000
100	000	2	999 9	Miller	201 0000
101	000	2	999 9	Mitchell	205 0000
102	000	2	999 9	Monroe	207 0000
103	000	2		Montgomery	209 0000
			037 6	Vidalia, part	
			999 9	Balance of county	
104	000	2	999 9	Morgan	211 0000
105	000	2	999 9	Murray	213 0000
106	071	1		Muscogee	215 1800
			010 3	Columbus	
			999 9	Balance of county	
107	019	1		Newton	217 0520
			012 6	Covington	
			999 9	Balance of county	
108	018	1	999 9	Oconee	219 0500
109	000	2	999 9	Oglethorpe	221 0000
110	019	1	999 9	Paulding	223 0520
111	178	1	999 9	Peach	225 4680
112	000	2	999 9	Pickens	227 0000
113	000	2	999 9	Pierce	229 0000
114	000	2	999 9	Pike	231 0000
115	000	2	999 9	Polk	233 0000
116	000	2	999 9	Pulaski	235 0000
117	000	2	999 9	Putnam	237 0000
118	000	2	999 9	Quitman	239 0000
119	000	2	999 9	Rabun	241 0000
120	000	2	999 9	Randolph	243 0000
121	021	1		Richmond	245 0600
			005 5	Augusta	
			999 9	Balance of county	
122	019	1	999 9	Rockdale	247 0520
123	000	2	999 9	Schley	249 0000
124	000	2	999 9	Screven	251 0000
125	000	2	999 9	Seminole	253 0000
126	019	1		Spalding	255 0520
			021 6	Griffin	
			999 9	Balance of county	
127	000	2	999 9	Stephens	257 0000
128	000	2	999 9	Stewart	259 0000
129	000	2		Sumter	261 0000
			002 6	Americus	
			999 9	Balance of county	
130	000	2	999 9	Talbot	263 0000
131	000	2	999 9	Taliaferro	265 0000
132	000	2	999 9	Tattnall	267 0000
133	000	2	999 9	Taylor	269 0000
134	000	2	999 9	Telfair	271 0000
135	000	2	999 9	Terrell	273 0000
136	000	2		Thomas	275 0000
			034 6	Thomasville	
			999 9	Balance of county	
137	000	2		Tift	277 0000
			035 6	Tifton	
			999 9	Balance of county	
138	000	2		Toombs	279 0000
			037 6	Vidalia, part	
			999 9	Balance of county	
139	000	2	999 9	Towns	281 0000
140	000	2	999 9	Treutlen	283 0000
141	000	2		Troup	285 0000
			023 6	La Grange	
			999 9	Balance of county	
142	000	2	999 9	Turner	287 0000
143	000	2	999 9	Twiggs	289 0000
144	000	2	999 9	Union	291 0000
145	000	2	999 9	Upson	293 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
11					Georgia	13	
	146	061	1	999 9	Walker	295	1560
	147	019	1	999 9	Walton	297	0520
	148	000	2		Ware	299	0000
				039 6	Waycross		
				999 9	Balance of county		
	149	000	2	999 9	Warren	301	0000
	150	000	2	999 9	Washington	303	0000
	151	000	2	999 9	Wayne	305	0000
	152	000	2	999 9	Webster	307	0000
	153	000	2	999 9	Wheeler	309	0000
	154	000	2	999 9	White	311	0000
	155	000	2		Whitfield	313	0000
				013 6	Dalton		
				999 9	Balance of county		
	156	000	2	999 9	Wilcox	315	0000
	157	000	2	999 9	Wilkes	317	0000
	158	000	2	999 9	Wilkinson	319	0000
	159	000	2	999 9	Worth	321	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
12					Hawaii	15	
	001	000	2		Hawaii		001 0000
				003	Hilo		
				999	Balance of county		
	002	128	1		Honolulu		003 3320
				001	Aiea		
				002	Ewa Beach		
				004	Honolulu		
				006	Kailua		
				007	Kaneohe		
				008	Mililani Town		
				009	Mokapu		
				010	Pearl City		
				011	Schofield Barracks		
				012	Wahiawa		
				014	Waipahu		
				999	Balance of county		
	003	000	2	999	Kalawao		005 0000
	004	000	2	999	Kauai		007 0000
	005	000	2		Maui		009 0000
				005	Kahului		
				013	Wailuku		
				999	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes		
St	Cnty	MSA	M/NM	City	P/S	St	Cnty	MSA
13						16		
	001	041	1				001	1080
				002	3			
				999	9			
	002	000	2	999	9		003	0000
	003	000	2				005	0000
				009	5			
				999	9			
	004	000	2	999	9		007	0000
	005	000	2	999	9		009	0000
	006	000	2				011	0000
				001	6			
				999	9			
	007	000	2	999	9		013	0000
	008	000	2	999	9		015	0000
	009	000	2	999	9		017	0000
	010	000	2				019	0000
				005	5			
				999	9			
	011	000	2	999	9		021	0000
	012	000	2	999	9		023	0000
	013	000	2	999	9		025	0000
	014	000	2				027	0000
				003	6			
				008	5			
				999	9			
	015	000	2	999	9		029	0000
	016	000	2	999	9		031	0000
	017	000	2	999	9		033	0000
	018	000	2	999	9		035	0000
	019	000	2	999	9		037	0000
	020	000	2	999	9		039	0000
	021	000	2	999	9		041	0000
	022	000	2	999	9		043	0000
	023	000	2	999	9		045	0000
	024	000	2	999	9		047	0000
	025	000	2	999	9		049	0000
	026	000	2	999	9		051	0000
	027	000	2	999	9		053	0000
	028	000	2				055	0000
				004	6			
				999	9			
	029	000	2				057	0000
				007	6			
				999	9			
	030	000	2	999	9		059	0000
	031	000	2	999	9		061	0000
	032	000	2	999	9		063	0000
	033	000	2				065	0000
				010	6			
				999	9			
	034	000	2	999	9		067	0000
	035	000	2				069	0000
				006	5			
				999	9			
	036	000	2	999	9		071	0000
	037	000	2	999	9		073	0000
	038	000	2	999	9		075	0000
	039	000	2	999	9		077	0000
	040	000	2	999	9		079	0000
	041	000	2	999	9		081	0000
	042	000	2				083	0000
				011	5			
				999	9			
	043	000	2	999	9		085	0000
	044	000	2	999	9		087	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA	
14				Illinois	17		
	001	000	2	Adams		001	0000
			135	Quincy			
			999	Balance of county			
	002	000	2	Alexander		003	0000
	003	000	2	Bond		005	0000
	004	249	1	Boone		007	6880
			010	Belvidere			
			999	Balance of county			
	005	000	2	Brown		009	0000
	006	000	2	Bureau		011	0000
	007	000	2	Calhoun		013	0000
	008	000	2	Carroll		015	0000
	009	000	2	Cass		017	0000
	010	056	1	Champaign		019	1400
			030	Champaign			
			136	Rantoul			
			160	Urbana			
			999	Balance of county			
	011	000	2	Christian		021	0000
			158	Taylorville			
			999	Balance of county			
	012	000	2	Clark		023	0000
	013	000	2	Clay		025	0000
	014	254	1	Clinton		027	7040
			029	Centralia, part			
			999	Balance of county			
	015	000	2	Coles		029	0000
			031	Charleston			
			101	Mattoon			
			999	Balance of county			
	016	063	1	Cook		031	1600
			002	Alsip			
			004	Arlington Heights, part			
			006	Bartlett, part			
			009	Bellwood			
			011	Bensenville, part			
			012	Berwyn			
			015	Blue Island			
			019	Bridgeview			
			020	Brookfield			
			021	Buffalo Grove, part			
			022	Burbank			
			024	Calumet City			
			032	Chicago, part			
			033	Chicago Heights			
			034	Chicago Ridge			
			035	Cicero			
			037	Country Club Hills			
			038	Crestwood			
			043	Deerfield, part			
			045	Des Plaines			
			047	Dolton			
			054	Elgin, part			
			055	Elk Grove Village, part			
			057	Elmwood Park			
			058	Evanston			
			059	Evergreen Park			
			061	Forest Park			
			062	Franklin Park			
			067	Glenview			
			068	Glenwood			
			070	Hanover Park, part			
			072	Harvey			
			073	Hazel Crest			
			075	Hickory Hills			
			077	Hinsdale, part			
			078	Hoffman Estates			
			079	Homewood			
			082	Justice			
			085	La Grange			
			086	La Grange Park			
			088	Lansing			
			092	Lincolnwood			
			099	Markham			

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes

FIPS Codes

St Cnty MSA M/NM City P/S State, County, City, or Country Name

St Cnty MSA

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Illinois

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St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
			100	6	Matteson		
			102	5	Maywood		
			103	6	Melrose Park		
			104	6	Midlothian		
			108	6	Morton Grove		
			109	4	Mount Prospect		
			113	5	Niles		
			115	6	Norridge		
			116	5	Northbrook		
			118	6	Northlake		
			119	5	Oak Forest		
			120	4	Oak Lawn		
			121	4	Oak Park		
			123	6	Orland Park		
			125	5	Palatine		
			126	6	Palos Heights		
			127	6	Palos Hills		
			128	5	Park Forest, part		
			129	5	Park Ridge		
			134	6	Prospect Heights		
			137	6	Riverdale		
			138	6	River Forest		
			139	6	River Grove		
			143	6	Rolling Meadows		
			145	6	Roselle, part		
			148	6	Sauk Village		
			149	4	Schaumburg, part		
			150	6	Schiller Park		
			151	4	Skokie		
			152	6	South Holland		
			155	6	Streamwood		
			157	6	Summit		
			159	5	Tinley Park, part		
			164	6	Westchester		
			166	6	Western Springs		
			169	6	Wheeling, part		
			170	5	Wilmette		
			171	6	Winnetka		
			176	6	Worth		
			999	9	Balance of county		
017	000	2	999	9	Crawford	033	0000
018	000	2	999	9	Cumberland	035	0000
019	000	2			De Kalb	037	0000
			044	5	De Kalb		
			999	9	Balance of county		
020	000	2	999	9	De Witt	039	0000
021	000	2	999	9	Douglas	041	0000
022	063	1			Du Page	043	1600
			001	5	Addison		
			005	4	Aurora, part		
			006	6	Bartlett, part		
			007	6	Batavia, part		
			011	6	Bensenville, part		
			013	6	Bloomington		
			016	5	Bolingbrook, part		
			027	6	Carol Stream		
			032	0	Chicago, part		
			041	6	Darien		
			048	5	Downers Grove		
			055	5	Elk Grove Village, part		
			056	5	Elmhurst		
			065	6	Glendale Heights		
			066	6	Glen Ellyn		
			070	5	Hanover Park, part		
			077	6	Hinsdale, part		
			093	6	Lisle		
			094	5	Lombard		
			112	5	Naperville, part		
			145	6	Roselle, part		
			147	6	St. Charles, part		
			149	4	Schaumburg, part		
			161	6	Villa Park		
			165	6	West Chicago		
			167	6	Westmont		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes					
St Cnty	MSA	M/NM	City P/S	State,	County,	City,	or Country Name	St Cnty	MSA
14				Illinois				17	
			168 5				Wheaton		
			172 6				Wood Dale		
			173 6				Woodridge		
			999 9				Balance of county		
023	000	2	999 9				Edgar	045	0000
024	000	2	999 9				Edwards	047	0000
025	000	2	999 9				Effingham	049	0000
			053 6				Effingham		
			999 9				Balance of county		
026	000	2	999 9				Fayette	051	0000
027	000	2	999 9				Ford	053	0000
028	000	2	999 9				Franklin	055	0000
029	000	2	999 9				Fulton	057	0000
			025 6				Canton		
			999 9				Balance of county		
030	000	2	999 9				Gallatin	059	0000
031	000	2	999 9				Greene	061	0000
032	145	1	999 9				Grundy	063	3690
033	000	2	999 9				Hamilton	065	0000
034	000	2	999 9				Hancock	067	0000
035	000	2	999 9				Hardin	069	0000
036	000	2	999 9				Henderson	071	0000
037	077	1	999 9				Henry	073	1960
			084 6				Kewanee		
			999 9				Balance of county		
038	000	2	999 9				Iroquois	075	0000
039	000	2	999 9				Jackson	077	0000
			026 5				Carbondale		
			999 9				Balance of county		
040	000	2	999 9				Jasper	079	0000
041	000	2	999 9				Jefferson	081	0000
			110 6				Mount Vernon		
			999 9				Balance of county		
042	254	1	999 9				Jersey	083	7040
043	000	2	999 9				Jo Daviess	085	0000
044	000	2	999 9				Johnson	087	0000
045	022	1	999 9				Kane	089	0620
			005 4				Aurora, part		
			007 6				Batavia, part		
			028 6				Carpentersville		
			054 4				Elgin, part		
			147 6				St. Charles, part		
			999 9				Balance of county		
046	148	1	999 9				Kankakee	091	3740
			017 6				Bourbonnais		
			018 6				Bradley		
			083 5				Kankakee		
			999 9				Balance of county		
047	022	1	999 9				Kendall	093	0620
048	000	2	999 9				Knox	095	0000
			064 5				Galesburg		
			999 9				Balance of county		
049	158	1	999 9				Lake	097	3965
			004 4				Arlington Heights, part		
			021 6				Buffalo Grove, part		
			043 6				Deerfield, part		
			076 5				Highland Park		
			087 6				Lake Forest		
			090 6				Libertyville		
			111 6				Mundelein		
			117 5				North Chicago		
			146 6				Round Lake Beach		
			163 4				Waukegan		
			169 6				Wheeling, part		
			177 6				Zion		
			999 9				Balance of county		
050	000	2	999 9				La Salle	099	0000
			089 6				La Salle		
			124 6				Ottawa		
			132 6				Peru		
			156 6				Streator, part		
			999 9				Balance of county		
051	000	2	999 9				Lawrence	101	0000
052	000	2	999 9				Lee	103	0000
			046 6				Dixon		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes	
Vital Statistics Codes						MSA	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
14					Illinois	17	
	053	000	2	999 9	Balance of county		
					Livingston	105	0000
				133 6	Pontiac		
				156 6	Streator, part		
				999 9	Balance of county		
	054	000	2		Logan	107	0000
				091 6	Lincoln		
				999 9	Balance of county		
	055	000	2		McDonough	109	0000
				097 6	Macomb		
				999 9	Balance of county		
	056	063	1		McHenry	111	1600
				039 6	Crystal Lake		
				096 6	McHenry		
				175 6	Woodstock		
				999 9	Balance of county		
	057	040	1		McLean	113	1040
				014 5	Bloomington		
				114 5	Normal		
				999 9	Balance of county		
	058	081	1		Macon	115	2040
				042 4	Decatur		
				999 9	Balance of county		
	059	000	2	999 9	Macoupin	117	0000
	060	254	1		Madison	119	7040
				003 5	Alton		
				036 6	Collinsville, part		
				052 6	Edwardsville		
				069 5	Granite City		
				174 6	Wood River		
				999 9	Balance of county		
	061	000	2		Marion	121	0000
				029 6	Centralia, part		
				999 9	Balance of county		
	062	000	2	999 9	Marshall	123	0000
	063	000	2	999 9	Mason	125	0000
	064	000	2	999 9	Massac	127	0000
	065	279	1	999 9	Menard	129	7880
	066	000	2	999 9	Mercer	131	0000
	067	254	1	999 9	Monroe	133	7040
	068	000	2	999 9	Montgomery	135	0000
	069	000	2		Morgan	137	0000
				080 6	Jacksonville		
				999 9	Balance of county		
	070	000	2	999 9	Moultrie	139	0000
	071	000	2	999 9	Ogle	141	0000
	072	224	1		Peoria	143	6120
				130 5	Pekin, part		
				131 3	Peoria		
				999 9	Balance of county		
	073	000	2	999 9	Perry	145	0000
	074	000	2	999 9	Piatt	147	0000
	075	000	2	999 9	Pike	149	0000
	076	000	2	999 9	Pope	151	0000
	077	000	2	999 9	Pulaski	153	0000
	078	000	2	999 9	Putnam	155	0000
	079	000	2	999 9	Randolph	157	0000
	080	000	2	999 9	Richland	159	0000
	081	077	1		Rock Island	161	1960
				049 6	East Moline		
				105 5	Moline		
				142 5	Rock Island		
				999 9	Balance of county		
	082	254	1		St. Clair	163	7040
				008 5	Belleville		
				023 6	Cahokia		
				036 6	Collinsville, part		
				051 4	East St. Louis		
				060 6	Fairview Heights		
				122 6	O'Fallon		
				999 9	Balance of county		
	083	000	2		Saline	165	0000
				071 6	Harrisburg		
				999 9	Balance of county		



MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.					FIPS Codes		
Vital Statistics Codes					St Cnty MSA		
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
14					Illinois	17	
	084	279	1		Sangamon	167	7880
			153	3	Springfield		
			999	9	Balance of county		
	085	000	2	999	Schuyler	169	0000
	086	000	2	999	Scott	171	0000
	087	000	2	999	Shelby	173	0000
	088	000	2	999	Stark	175	0000
	089	000	2		Stephenson	177	0000
			063	5	Freeport		
			999	9	Balance of county		
	090	224	1		Tazewell	179	6120
			050	6	East Peoria		
			107	6	Morton		
			130	5	Pekin, part		
			162	6	Washington		
			999	9	Balance of county		
	091	000	2	999	Union	181	0000
	092	000	2		Vermilion	183	0000
			040	5	Danville		
			999	9	Balance of county		
	093	000	2	999	Wabash	185	0000
	094	000	2		Warren	187	0000
			106	6	Monmouth		
			999	9	Balance of county		
	095	000	2	999	Washington	189	0000
	096	000	2	999	Wayne	191	0000
	097	000	2	999	White	193	0000
	098	000	2		Whiteside	195	0000
			140	6	Rock Falls		
			154	6	Sterling		
			999	9	Balance of county		
	099	145	1		Will	197	3690
			016	5	Bolingbrook, part		
			081	4	Joliet		
			112	5	Naperville, part		
			128	5	Park Forest, part		
			144	6	Romeoville		
			159	5	Tinley Park, part		
			999	9	Balance of county		
	100	000	2		Williamson	199	0000
			074	6	Herrin		
			098	6	Marion		
			999	9	Balance of county		
	101	249	1		Winnebago	201	6880
			095	6	Loves Park		
			141	3	Rockford		
			999	9	Balance of county		
	102	224	1	999	Woodford	203	6120

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
15				Indiana	18
	001	000	2 999 9	Adams	001 0000
	002	108	1	Allen	003 2760
			015 3	Fort Wayne	
			999 9	Balance of county	
	003	000	2	Bartholomew	005 0000
			007 5	Columbus	
			999 9	Balance of county	
	004	000	2 999 9	Benton	007 0000
	005	000	2 999 9	Blackford	009 0000
	006	133	1	Boone	011 3480
			034 6	Lebanon	
			999 9	Balance of county	
	007	000	2 999 9	Brown	013 0000
	008	000	2 999 9	Carroll	015 0000
	009	000	2	Cass	017 0000
			035 6	Logansport	
			999 9	Balance of county	
	010	175	1	Clark	019 4520
			006 6	Clarksville	
			028 6	Jeffersonville	
			999 9	Balance of county	
	011	289	1 999 9	Clay	021 8320
	012	000	2	Clinton	023 0000
			016 6	Frankfort	
			999 9	Balance of county	
	013	000	2 999 9	Crawford	025 0000
	014	000	2 999 9	Daviess	027 0000
			060 6	Washington	
			999 9	Balance of county	
	015	065	1 999 9	Dearborn	029 1640
	016	000	2 999 9	Decatur	031 0000
	017	108	1 999 9	De Kalb	033 2760
	018	197	1	Delaware	035 5280
			042 4	Muncie	
			999 9	Balance of county	
	019	000	2 999 9	Dubois	037 0000
	020	090	1	Elkhart	039 2330
			012 5	Elkhart	
			019 6	Goshen	
			999 9	Balance of county	
	021	000	2	Fayette	041 0000
			008 6	Connersville	
			999 9	Balance of county	
	022	175	1	Floyd	043 4520
			044 5	New Albany	
			999 9	Balance of county	
	023	000	2 999 9	Fountain	045 0000
	024	000	2 999 9	Franklin	047 0000
	025	000	2 999 9	Fulton	049 0000
	026	000	2 999 9	Gibson	051 0000
	027	000	2	Grant	053 0000
			037 5	Marion	
			999 9	Balance of county	
	028	000	2 999 9	Greene	055 0000
	029	133	1	Hamilton	057 3480
			005 6	Carmel	
			046 6	Noblesville	
			999 9	Balance of county	
	030	133	1	Hancock	059 3480
			020 6	Greenfield	
			999 9	Balance of county	
	031	175	1 999 9	Harrison	061 4520
	032	133	1 999 9	Hendricks	063 3480
	033	000	2	Henry	065 0000
			045 6	New Castle	
			999 9	Balance of county	
	034	153	1	Howard	067 3850
			029 5	Kokomo	
			999 9	Balance of county	
	035	000	2	Huntington	069 0000
			026 6	Huntington	
			999 9	Balance of county	
	036	000	2	Jackson	071 0000
			051 6	Seymour	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
15				Indiana	18
			999 9	Balance of county	
037	000	2	999 9	Jasper	073 0000
038	000	2	999 9	Jay	075 0000
039	000	2		Jefferson	077 0000
			036 6	Madison	
			999 9	Balance of county	
040	000	2	999 9	Jennings	079 0000
041	133	1		Johnson	081 3480
			017 6	Franklin	
			021 6	Greenwood	
			999 9	Balance of county	
042	000	2		Knox	083 0000
			057 6	Vincennes	
			999 9	Balance of county	
043	000	2		Kosciusko	085 0000
			059 6	Warsaw	
			999 9	Balance of county	
044	000	2	999 9	Lagrange	087 0000
045	114	1		Lake	089 2960
			010 6	Crown Point	
			011 5	East Chicago	
			018 3	Gary	
			022 6	Griffith	
			023 4	Hammond	
			024 5	Highland	
			025 6	Hobart	
			031 6	Lake Station	
			039 5	Merrillville	
			043 6	Munster	
			050 6	Schererville	
			999 9	Balance of county	
046	000	2		La Porte	091 0000
			032 6	La Porte	
			040 5	Michigan City	
			999 9	Balance of county	
047	000	2		Lawrence	093 0000
			002 6	Bedford	
			999 9	Balance of county	
048	012	1		Madison	095 0400
			001 4	Anderson	
			013 6	Elwood, part	
			999 9	Balance of county	
049	133	1		Marion	097 3480
			003 6	Beech Grove	
			027 1	Indianapolis	
			033 5	Lawrence	
			054 6	Speedway	
			999 9	Balance of county	
050	000	2	999 9	Marshall	099 0000
051	000	2	999 9	Martin	101 0000
052	000	2		Miami	103 0000
			047 6	Peru	
			999 9	Balance of county	
053	039	1		Monroe	105 1020
			004 4	Bloomington	
			999 9	Balance of county	
054	000	2		Montgomery	107 0000
			009 6	Crawfordsville	
			999 9	Balance of county	
055	133	1		Morgan	109 3480
			038 6	Martinsville	
			999 9	Balance of county	
056	000	2	999 9	Newton	111 0000
057	000	2	999 9	Noble	113 0000
058	000	2	999 9	Ohio	115 0000
059	000	2	999 9	Orange	117 0000
060	000	2	999 9	Owen	119 0000
061	000	2	999 9	Parke	121 0000
062	000	2	999 9	Perry	123 0000
063	000	2	999 9	Pike	125 0000
064	114	1		Porter	127 2960
			048 5	Portage	
			056 6	Valparaiso	
			999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes		
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
15					Indiana	18	
	065	095	1	999 9	Posey	129	2440
	066	000	2	999 9	Pulaski	131	0000
	067	000	2	999 9	Putnam	133	0000
	068	000	2	999 9	Randolph	135	0000
	069	000	2	999 9	Ripley	137	0000
	070	000	2	999 9	Rush	139	0000
	071	277	1		St. Joseph	141	7800
				041 5	Mishawaka		
				053 3	South Bend		
				999 9	Balance of county		
	072	000	2	999 9	Scott	143	0000
	073	133	1		Shelby	145	3480
				052 6	Shelbyville		
				999 9	Balance of county		
	074	000	2	999 9	Spencer	147	0000
	075	000	2	999 9	Starke	149	0000
	076	000	2	999 9	Steuben	151	0000
	077	000	2	999 9	Sullivan	153	0000
	078	000	2	999 9	Switzerland	155	0000
	079	156	1		Tiptecanoe	157	3920
				030 5	Lafayette		
				061 6	West Lafayette		
				999 9	Balance of county		
	080	153	1		Tipton	159	3850
				013 6	Elwood, part		
				999 9	Balance of county		
	081	000	2	999 9	Union	161	0000
	082	095	1		Vanderburgh	163	2440
				014 3	Evansville		
				999 9	Balance of county		
	083	000	2	999 9	Vermillion	165	0000
	084	289	1		Vigo	167	8320
				055 4	Terre Haute		
				999 9	Balance of county		
	085	000	2		Wabash	169	0000
				058 6	Wabash		
				999 9	Balance of county		
	086	000	2	999 9	Warren	171	0000
	087	095	1	999 9	Warrick	173	2440
	088	000	2	999 9	Washington	175	0000
	089	000	2		Wayne	177	0000
				049 5	Richmond		
				999 9	Balance of county		
	090	000	2	999 9	Wells	179	0000
	091	000	2	999 9	White	181	0000
	092	108	1	999 9	Whitley	183	2760

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes	
Vital Statistics Codes						St Cnty MSA	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
16					Iowa	19	
001	000	2	999	9	Adair	001	0000
002	000	2	999	9	Adams	003	0000
003	000	2	999	9	Allamakee	005	0000
004	000	2	999	9	Appanoose	007	0000
005	000	2	999	9	Audubon	009	0000
006	000	2	999	9	Benton	011	0000
007	306	1			Black Hawk	013	8920
			006	5	Cedar Falls		
			028	4	Waterloo		
			999	9	Balance of county		
008	000	2			Boone	015	0000
			004	6	Boone		
			999	9	Balance of county		
009	306	1	999	9	Bremer	017	8920
010	000	2	999	9	Buchanan	019	0000
011	000	2	999	9	Buena Vista	021	0000
012	000	2	999	9	Butler	023	0000
013	000	2	999	9	Calhoun	025	0000
014	000	2	999	9	Carroll	027	0000
015	000	2	999	9	Cass	029	0000
016	000	2	999	9	Cedar	031	0000
017	000	2			Cerro Gordo	033	0000
			020	5	Mason City		
			999	9	Balance of county		
018	000	2	999	9	Cherokee	035	0000
019	000	2	999	9	Chickasaw	037	0000
020	000	2	999	9	Clarke	039	0000
021	000	2			Clay	041	0000
			026	6	Spencer		
			999	9	Balance of county		
022	000	2	999	9	Clayton	043	0000
023	000	2			Clinton	045	0000
			008	5	Clinton		
			999	9	Balance of county		
024	000	2	999	9	Crawford	047	0000
025	083	1	999	9	Dallas	049	2120
026	000	2	999	9	Davis	051	0000
027	000	2	999	9	Decatur	053	0000
028	000	2	999	9	Delaware	055	0000
029	000	2			Des Moines	057	0000
			005	5	Burlington		
			999	9	Balance of county		
030	000	2	999	9	Dickinson	059	0000
031	086	1			Dubuque	061	2200
			012	4	Dubuque		
			999	9	Balance of county		
032	000	2	999	9	Emmet	063	0000
033	000	2	999	9	Fayette	065	0000
034	000	2	999	9	Floyd	067	0000
035	000	2	999	9	Franklin	069	0000
036	000	2	999	9	Fremont	071	0000
037	000	2	999	9	Greene	073	0000
038	000	2	999	9	Grundy	075	0000
039	000	2	999	9	Guthrie	077	0000
040	000	2	999	9	Hamilton	079	0000
041	000	2	999	9	Hancock	081	0000
042	000	2	999	9	Hardin	083	0000
043	000	2	999	9	Harrison	085	0000
044	000	2	999	9	Henry	087	0000
045	000	2	999	9	Howard	089	0000
046	000	2	999	9	Humboldt	091	0000
047	000	2	999	9	Ida	093	0000
048	000	2	999	9	Iowa	095	0000
049	000	2	999	9	Jackson	097	0000
050	000	2			Jasper	099	0000
			022	6	Newton		
			999	9	Balance of county		
051	000	2	999	9	Jefferson	101	0000
052	134	1			Johnson	103	3500
			016	4	Iowa City		
			999	9	Balance of county		
053	000	2	999	9	Jones	105	0000
054	000	2	999	9	Keokuk	107	0000
055	000	2	999	9	Kossuth	109	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.					FIPS Codes	
Vital Statistics Codes					St Cnty MSA	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
16					Iowa	19
	056	000	2		Lee	111 0000
				014	6 Fort Madison	
				017	6 Keokuk	
				999	9 Balance of county	
	057	055	1		Linn	113 1360
				007	3 Cedar Rapids	
				018	6 Marion	
				999	9 Balance of county	
	058	000	2	999	9 Louisa	115 0000
	059	000	2	999	9 Lucas	117 0000
	060	000	2	999	9 Lyon	119 0000
	061	000	2	999	9 Madison	121 0000
	062	000	2		Mahaska	123 0000
				023	6 Oskaloosa	
				999	9 Balance of county	
	063	000	2	999	9 Marion	125 0000
	064	000	2		Marshall	127 0000
				019	5 Marshalltown	
				999	9 Balance of county	
	065	000	2	999	9 Mills	129 0000
	066	000	2	999	9 Mitchell	131 0000
	067	000	2	999	9 Monona	133 0000
	068	000	2	999	9 Monroe	135 0000
	069	000	2	999	9 Montgomery	137 0000
	070	000	2		Muscatine	139 0000
				021	6 Muscatine	
				999	9 Balance of county	
	071	000	2	999	9 O'Brien	141 0000
	072	000	2	999	9 Osceola	143 0000
	073	000	2	999	9 Page	145 0000
	074	000	2	999	9 Palo Alto	147 0000
	075	000	2	999	9 Plymouth	149 0000
	076	000	2	999	9 Pocahontas	151 0000
	077	083	1		Polk	153 2120
				002	6 Ankeny	
				011	3 Des Moines	
				027	6 Urbandale	
				029	6 West Des Moines	
				999	9 Balance of county	
	078	215	1		Pottawattamie	155 5920
				009	4 Council Bluffs	
				999	9 Balance of county	
	079	000	2	999	9 Poweshiek	157 0000
	080	000	2	999	9 Ringgold	159 0000
	081	000	2	999	9 Sac	161 0000
	082	077	1		Scott	163 1960
				003	5 Bettendorf	
				010	3 Davenport	
				999	9 Balance of county	
	083	000	2	999	9 Shelby	165 0000
	084	000	2	999	9 Sioux	167 0000
	085	000	2		Story	169 0000
				001	5 Ames	
				999	9 Balance of county	
	086	000	2	999	9 Tama	171 0000
	087	000	2	999	9 Taylor	173 0000
	088	000	2	999	9 Union	175 0000
	089	000	2	999	9 Van Buren	177 0000
	090	000	2		Wapello	179 0000
				024	5 Ottumwa	
				999	9 Balance of county	
	091	083	1		Warren	181 2120
				015	6 Indianola	
				999	9 Balance of county	
	092	000	2	999	9 Washington	183 0000
	093	000	2	999	9 Wayne	185 0000
	094	000	2		Webster	187 0000
				013	5 Fort Dodge	
				999	9 Balance of county	
	095	000	2	999	9 Winnebago	189 0000
	096	000	2	999	9 Winneshiek	191 0000
	097	275	1		Woodbury	193 7720
				025	4 Sioux City	
				999	9 Balance of county	

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
16						Iowa	19
		098	000	2	999 9	Worth	195 0000
		099	000	2	999 9	Wright	197 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes				
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
17						Kansas	20		
	001	000	2	999	9	Allen		001	0000
	002	000	2	999	9	Anderson		003	0000
	003	000	2			Atchison		005	0000
				002	6	Atchison			
				999	9	Balance of county			
	004	000	2	999	9	Barber		007	0000
	005	000	2			Barton		009	0000
				009	6	Great Bend			
				999	9	Balance of county			
	006	000	2	999	9	Bourbon		011	0000
	007	000	2	999	9	Brown		013	0000
	008	310	1			Butler		015	9040
				006	6	El Dorado			
				999	9	Balance of county			
	009	000	2	999	9	Chase		017	0000
	010	000	2	999	9	Chautauqua		019	0000
	011	000	2	999	9	Cherokee		021	0000
	012	000	2	999	9	Cheyenne		023	0000
	013	000	2	999	9	Clark		025	0000
	014	000	2	999	9	Clay		027	0000
	015	000	2	999	9	Cloud		029	0000
	016	000	2	999	9	Coffey		031	0000
	017	000	2	999	9	Comanche		033	0000
	018	000	2			Cowley		035	0000
				001	6	Arkansas City			
				034	6	Winfield			
				999	9	Balance of county			
	019	000	2			Crawford		037	0000
				028	6	Pittsburg			
				999	9	Balance of county			
	020	000	2	999	9	Decatur		039	0000
	021	000	2	999	9	Dickinson		041	0000
	022	000	2	999	9	Doniphan		043	0000
	023	165	1			Douglas		045	4150
				015	4	Lawrence			
				999	9	Balance of county			
	024	000	2	999	9	Edwards		047	0000
	025	000	2	999	9	Elk		049	0000
	026	000	2			Ellis		051	0000
				010	6	Hays			
				999	9	Balance of county			
	027	000	2	999	9	Ellsworth		053	0000
	028	000	2			Finney		055	0000
				008	6	Garden City			
				999	9	Balance of county			
	029	000	2			Ford		057	0000
				005	6	Dodge City			
				999	9	Balance of county			
	030	000	2			Franklin		059	0000
				025	6	Ottawa			
				999	9	Balance of county			
	031	000	2			Geary		061	0000
				013	6	Junction City			
				999	9	Balance of county			
	032	000	2	999	9	Gove		063	0000
	033	000	2	999	9	Graham		065	0000
	034	000	2	999	9	Grant		067	0000
	035	000	2	999	9	Gray		069	0000
	036	000	2	999	9	Greeley		071	0000
	037	000	2	999	9	Greenwood		073	0000
	038	000	2	999	9	Hamilton		075	0000
	039	000	2	999	9	Harper		077	0000
	040	310	1			Harvey		079	9040
				023	6	Newton			
				999	9	Balance of county			
	041	000	2	999	9	Haskell		081	0000
	042	000	2	999	9	Hodgeman		083	0000
	043	000	2	999	9	Jackson		085	0000
	044	000	2	999	9	Jefferson		087	0000
	045	000	2	999	9	Jewell		089	0000
	046	149	1			Johnson		091	3760
				017	6	Leawood			
				018	6	Lenexa			
				022	6	Merriam			



MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						Page 38	
Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
17					Kansas	20	
			024	5	Olathe		
			026	4	Overland Park		
			029	6	Prairie Village		
			031	5	Shawnee		
			999	9	Balance of county		
047	000	2	999	9	Kearny	093	0000
048	000	2	999	9	Kingman	095	0000
049	000	2	999	9	Kiowa	097	0000
050	000	2			Labette	099	0000
			027	6	Parsons		
			999	9	Balance of county		
051	000	2	999	9	Lane	101	0000
052	149	1			Leavenworth	103	3760
			016	5	Leavenworth		
			999	9	Balance of county		
053	000	2	999	9	Lincoln	105	0000
054	000	2	999	9	Linn	107	0000
055	000	2	999	9	Logan	109	0000
056	000	2			Lyon	111	0000
			007	5	Emporia		
			999	9	Balance of county		
057	000	2			McPherson	113	0000
			020	6	McPherson		
			999	9	Balance of county		
058	000	2	999	9	Marion	115	0000
059	000	2	999	9	Marshall	117	0000
060	000	2	999	9	Meade	119	0000
061	149	1	999	9	Miami	121	3760
062	000	2	999	9	Mitchell	123	0000
063	000	2			Montgomery	125	0000
			004	6	Coffeyville		
			012	6	Independence		
			999	9	Balance of county		
064	000	2	999	9	Morris	127	0000
065	000	2	999	9	Morton	129	0000
066	000	2	999	9	Nemaha	131	0000
067	000	2			Neosho	133	0000
			003	6	Chanute		
			999	9	Balance of county		
068	000	2	999	9	Ness	135	0000
069	000	2	999	9	Norton	137	0000
070	000	2	999	9	Osage	139	0000
071	000	2	999	9	Osborne	141	0000
072	000	2	999	9	Ottawa	143	0000
073	000	2	999	9	Pawnee	145	0000
074	000	2	999	9	Phillips	147	0000
075	000	2			Pottawatomie	149	0000
			021	5	Manhattan, part		
			999	9	Balance of county		
076	000	2	999	9	Pratt	151	0000
077	000	2	999	9	Rawlins	153	0000
078	000	2			Reno	155	0000
			011	5	Hutchinson		
			999	9	Balance of county		
079	000	2	999	9	Republic	157	0000
080	000	2	999	9	Rice	159	0000
081	000	2			Riley	161	0000
			021	5	Manhattan, part		
			999	9	Balance of county		
082	000	2	999	9	Rooks	163	0000
083	000	2	999	9	Rush	165	0000
084	000	2	999	9	Russell	167	0000
085	000	2			Saline	169	0000
			030	5	Salina		
			999	9	Balance of county		
086	000	2	999	9	Scott	171	0000
087	310	1			Sedgwick	173	9040
			033	2	Wichita		
			999	9	Balance of county		
088	000	2			Seward	175	0000
			019	6	Liberal		
			999	9	Balance of county		
089	292	1			Shawnee	177	8440
			032	3	Topeka		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes		
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
17					Kansas	20	
			999	9	Balance of county		
	090	000	2	999	9 Sheridan	179	0000
	091	000	2	999	9 Sherman	181	0000
	092	000	2	999	9 Smith	183	0000
	093	000	2	999	9 Stafford	185	0000
	094	000	2	999	9 Stanton	187	0000
	095	000	2	999	9 Stevens	189	0000
	096	000	2	999	9 Sumner	191	0000
	097	000	2	999	9 Thomas	193	0000
	098	000	2	999	9 Trego	195	0000
	099	000	2	999	9 Wabaunsee	197	0000
	100	000	2	999	9 Wallace	199	0000
	101	000	2	999	9 Washington	201	0000
	102	000	2	999	9 Wichita	203	0000
	103	000	2	999	9 Wilson	205	0000
	104	000	2	999	9 Woodson	207	0000
	105	149	1		Wyandotte	209	3760
			014	3	Kansas City		
			999	9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						Page 40	
Vital Statistics Codes						FIPS Codes	
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
18						Kentucky	21
	001	000	2	999	9	Adair	001 0000
	002	000	2	999	9	Allen	003 0000
	003	000	2	999	9	Anderson	005 0000
	004	000	2	999	9	Ballard	007 0000
	005	000	2			Barren	009 0000
				011	6	Glasgow	
				999	9	Balance of county	
	006	000	2	999	9	Bath	011 0000
	007	000	2			Bell	019 0000
				019	6	Middlesborough	
				999	9	Balance of county	
	008	065	1			Boone	015 1640
				007	6	Florence	
				999	9	Balance of county	
	009	168	1	999	9	Bourbon	017 4280
	010	131	1			Boyd	019 3400
				001	5	Ashland	
				999	9	Balance of county	
	011	000	2			Boyle	021 0000
				004	6	Danville	
				999	9	Balance of county	
	012	000	2	999	9	Bracken	023 0000
	013	000	2	999	9	Breathitt	025 0000
	014	000	2	999	9	Breckinridge	027 0000
	015	175	1	999	9	Bullitt	029 4520
	016	000	2	999	9	Butler	031 0000
	017	000	2	999	9	Caldwell	033 0000
	018	000	2			Calloway	035 0000
				020	6	Murray	
				999	9	Balance of county	
	019	065	1			Campbell	037 1640
				008	6	Fort Thomas	
				021	6	Newport	
				999	9	Balance of county	
	020	000	2	999	9	Carlisle	039 0000
	021	000	2	999	9	Carroll	041 0000
	022	131	1	999	9	Carter	043 3400
	023	000	2	999	9	Casey	045 0000
	024	066	1			Christian	047 1660
				013	5	Hopkinsville	
				999	9	Balance of county	
	025	168	1			Clark	049 4280
				030	6	Winchester	
				999	9	Balance of county	
	026	000	2	999	9	Clay	051 0000
	027	000	2	999	9	Clinton	053 0000
	028	000	2	999	9	Crittenden	055 0000
	029	000	2	999	9	Cumberland	057 0000
	030	218	1			Daviess	059 5990
				023	4	Owensboro	
				999	9	Balance of county	
	031	000	2	999	9	Edmonson	061 0000
	032	000	2	999	9	Elliott	063 0000
	033	000	2	999	9	Estill	065 0000
	034	168	1	015	3	Fayette, coext. with Lexington-Fayette	067 4280
	035	000	2	999	9	Fleming	069 0000
	036	000	2	999	9	Floyd	071 0000
	037	000	2			Franklin	073 0000
				009	5	Frankfort	
				999	9	Balance of county	
	038	000	2	999	9	Fulton	075 0000
	039	000	2	999	9	Gallatin	077 0000
	040	000	2	999	9	Garrard	079 0000
	041	000	2	999	9	Grant	081 0000
	042	000	2			Graves	083 0000
				018	6	Mayfield	
				999	9	Balance of county	
	043	000	2	999	9	Grayson	085 0000
	044	000	2	999	9	Green	087 0000
	045	131	1	999	9	Greenup	089 3400
	046	000	2	999	9	Hancock	091 0000
	047	000	2			Hardin	093 0000
				005	6	Elizabethtown	
				025	6	Radcliff	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
18				Kentucky	21
			999 9	Balance of county	
048	000	2	999 9	Harlan	095 0000
049	000	2	999 9	Harrison	097 0000
050	000	2	999 9	Hart	099 0000
051	095	1		Henderson	101 2440
			012 6	Henderson	
			999 9	Balance of county	
052	000	2	999 9	Henry	103 0000
053	000	2	999 9	Hickman	105 0000
054	000	2		Hopkins	107 0000
			017 6	Madisonville	
			999 9	Balance of county	
055	000	2	999 9	Jackson	109 0000
056	175	1		Jefferson	111 4520
			014 6	Jeffersontown	
			016 2	Louisville	
			027 6	St. Matthews	
			028 6	Shively	
			999 9	Balance of county	
057	168	1		Jessamine	113 4280
			022 6	Nicholasville	
			999 9	Balance of county	
058	000	2	999 9	Johnson	115 0000
059	065	1		Kenton	117 1640
			003 5	Covington	
			006 6	Erlanger	
			999 9	Balance of county	
060	000	2	999 9	Knott	119 0000
061	000	2	999 9	Knox	121 0000
062	000	2	999 9	Larue	123 0000
063	000	2	999 9	Laurel	125 0000
064	000	2	999 9	Lawrence	127 0000
065	000	2	999 9	Lee	129 0000
066	000	2	999 9	Leslie	131 0000
067	000	2	999 9	Letcher	133 0000
068	000	2	999 9	Lewis	135 0000
069	000	2	999 9	Lincoln	137 0000
070	000	2	999 9	Livingston	139 0000
071	000	2	999 9	Logan	141 0000
072	000	2	999 9	Lyon	143 0000
073	000	2		McCracken	145 0000
			024 5	Paducah	
			999 9	Balance of county	
074	000	2	999 9	McCreary	147 0000
075	000	2	999 9	McLean	149 0000
076	000	2		Madison	151 0000
			026 6	Richmond	
			999 9	Balance of county	
077	000	2	999 9	Magoffin	153 0000
078	000	2	999 9	Marion	155 0000
079	000	2	999 9	Marshall	157 0000
080	000	2	999 9	Martin	159 0000
081	000	2	999 9	Mason	161 0000
082	000	2	999 9	Meade	163 0000
083	000	2	999 9	Menifee	165 0000
084	000	2	999 9	Mercer	167 0000
085	000	2	999 9	Metcalfe	169 0000
086	000	2	999 9	Monroe	171 0000
087	000	2	999 9	Montgomery	173 0000
088	000	2	999 9	Morgan	175 0000
089	000	2	999 9	Muhlenberg	177 0000
090	000	2	999 9	Nelson	179 0000
091	000	2	999 9	Nicholas	181 0000
092	000	2	999 9	Ohio	183 0000
093	175	1	999 9	Oldham	185 4520
094	000	2	999 9	Owen	187 0000
095	000	2	999 9	Owsley	189 0000
096	000	2	999 9	Pendleton	191 0000
097	000	2	999 9	Perry	193 0000
098	000	2	999 9	Pike	195 0000
099	000	2	999 9	Powell	197 0000
100	000	2		Pulaski	199 0000
			029 6	Somerset	
			999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
18					Kentucky	21	
	101	000	2	999	9 Robertson	201	0000
	102	000	2	999	9 Rockcastle	203	0000
	103	000	2	999	9 Rowan	205	0000
	104	000	2	999	9 Russell	207	0000
	105	168	1		Scott	209	4280
				010	6 Georgetown		
				999	9 Balance of county		
	106	175	1	999	9 Shelby	211	4520
	107	000	2	999	9 Simpson	213	0000
	108	000	2	999	9 Spencer	215	0000
	109	000	2	999	9 Taylor	217	0000
	110	000	2	999	9 Todd	219	0000
	111	000	2	999	9 Trigg	221	0000
	112	000	2	999	9 Trimble	223	0000
	113	000	2	999	9 Union	225	0000
	114	000	2		Warren	227	0000
				002	5 Bowling Green		
				999	9 Balance of county		
	115	000	2	999	9 Washington	229	0000
	116	000	2	999	9 Wayne	231	0000
	117	000	2	999	9 Webster	233	0000
	118	000	2	999	9 Whitley	235	0000
	119	000	2	999	9 Wolfe	237	0000
	120	168	1	999	9 Woodford	239	4280

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes					
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
19						Louisiana	22		
	001	000	2			Acadia		001	0000
				008	6	Crowley			
				010	6	Eunice, part			
				999	9	Balance of parish			
	002	000	2	999	9	Allen		003	0000
	003	027	1	999	9	Ascension		005	0760
	004	000	2	999	9	Assumption		007	0000
	005	000	2	999	9	Avoyelles		009	0000
	006	000	2			Beauregard		011	0000
				009	6	De Ridder, part			
				999	9	Balance of parish			
	007	000	2	999	9	Bienville		013	0000
	008	274	1			Bossier		015	7680
				007	5	Bossier City			
				028	3	Shreveport, part			
				999	9	Balance of parish			
	009	274	1			Caddo		017	7680
				028	3	Shreveport, part			
				999	9	Balance of parish			
	010	157	1			Calcasieu		019	3960
				018	4	Lake Charles			
				030	6	Sulphur			
				999	9	Balance of parish			
	011	000	2	999	9	Caldwell		021	0000
	012	000	2	999	9	Cameron		023	0000
	013	000	2	999	9	Catahoula		025	0000
	014	000	2	999	9	Claiborne		027	0000
	015	000	2	999	9	Concordia		029	0000
	016	000	2	999	9	De Soto		031	0000
	017	027	1			East Baton Rouge		033	0760
				003	6	Baker			
				005	3	Baton Rouge			
				999	9	Balance of parish			
	018	000	2	999	9	East Carroll		035	0000
	019	000	2	999	9	East Feliciana		037	0000
	020	000	2	999	9	Evangeline		039	0000
	021	000	2	999	9	Franklin		041	0000
	022	000	2	999	9	Grant		043	0000
	023	000	2			Iberia		045	0000
				023	5	New Iberia			
				999	9	Balance of parish			
	024	000	2	999	9	Iberville		047	0000
	025	000	2	999	9	Jackson		049	0000
	026	205	1			Jefferson		051	5560
				011	6	Gretna			
				013	6	Harahan			
				016	4	Kenner			
				034	6	Westwego			
				999	9	Balance of parish			
	027	000	2			Jefferson Davis		053	0000
				015	6	Jennings			
				999	9	Balance of parish			
	028	155	1			Lafayette		055	3880
				017	4	Lafayette			
				999	9	Balance of parish			
	029	129	1			Lafourche		057	3350
				032	6	Thibodaux			
				999	9	Balance of parish			
	030	000	2	999	9	La Salle		059	0000
	031	000	2			Lincoln		061	0000
				027	6	Ruston			
				999	9	Balance of parish			
	032	027	1	999	9	Livingston		063	0760
	033	000	2			Madison		065	0000
				031	6	Tallulah			
				999	9	Balance of parish			
	034	000	2			Morehouse		067	0000
				004	6	Bastrop			
				999	9	Balance of parish			
	035	000	2			Natchitoches		069	0000
				022	6	Natchitoches			
				999	9	Balance of parish			
	036	205	1	024	1	Orleans, coext. with New Orleans city		071	5560
	037	195	1			Ouachita		073	5200
				020	4	Monroe			

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes	
Vital Statistics Codes						St Cnty MSA	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
19					Louisiana	22	
			033	6	West Monroe		
			999	9	Balance of parish		
038	000	2	999	9	Plaquemines	075	0000
039	000	2	999	9	Pointe Coupee	077	0000
040	006	1			Rapides	079	0220
			002	4	Alexandria		
			026	6	Pineville		
			999	9	Balance of parish		
041	000	2	999	9	Red River	081	0000
042	000	2	999	9	Richland	083	0000
043	000	2	999	9	Sabine	085	0000
044	205	1	999	9	St. Bernard	087	5560
045	205	1	999	9	St. Charles	089	5560
046	000	2	999	9	St. Helena	091	0000
047	000	2	999	9	St. James	093	0000
048	205	1	999	9	St. John the Baptist	095	5560
049	000	2			St. Landry	097	0000
			010	6	Eunice, part		
			025	6	Opelousas		
			999	9	Balance of parish		
050	155	1	999	9	St. Martin	099	3880
051	000	2			St. Mary	101	0000
			021	6	Morgan City		
			999	9	Balance of parish		
052	205	1			St. Tammany	103	5560
			029	5	Slideell		
			999	9	Balance of parish		
053	000	2			Tangipahoa	105	0000
			012	6	Hammond		
			999	9	Balance of parish		
054	000	2	999	9	Tensas	107	0000
055	129	1			Terrebonne	109	3350
			014	5	Houma		
			999	9	Balance of parish		
056	000	2	999	9	Union	111	0000
057	000	2			Vermilion	113	0000
			001	6	Abbeville		
			999	9	Balance of parish		
058	000	2			Vernon	115	0000
			009	6	De Ridder, part		
			999	9	Balance of parish		
059	000	2			Washington	117	0000
			006	6	Bogalusa		
			999	9	Balance of parish		
060	000	2			Webster	119	0000
			019	6	Minden		
			999	9	Balance of parish		
061	027	1	999	9	West Baton Rouge	121	0760
062	000	2	999	9	West Carroll	123	0000
063	000	2	999	9	West Feliciana	125	0000
064	000	2	999	9	Winn	127	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes			
St	Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St	Cnty	MSA
20					Maine	23		
	001	167	1		Androscoggin		001	4243
				001	Auburn			
				006	Lewiston			
				999	Balance of county			
	002	000	2		Aroostook		003	0000
				008	Presque Isle			
				999	Balance of county			
	003	230	1		Cumberland		005	6403
				007	Portland			
				010	South Portland			
				012	Westbrook			
				999	Balance of county			
	004	000	2		Franklin		007	0000
	005	000	2		Hancock		009	0000
	006	000	2		Kennebec		011	0000
				002	Augusta			
				011	Waterville			
				999	Balance of county			
	007	000	2		Knox		013	0000
	008	000	2		Lincoln		015	0000
	009	000	2		Oxford		017	0000
	010	026	1		Penobscot		019	0733
				003	Bangor			
				999	Balance of county			
	011	000	2		Piscataquis		021	0000
	012	000	2		Sagadahoc		023	0000
				004	Bath			
				999	Balance of county			
	013	000	2		Somerset		025	0000
	014	000	2		Waldo		027	0000
	015	000	2		Washington		029	0000
	016	000	2		York		031	0000
				005	Biddeford			
				009	Saco			
				999	Balance of county			



MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes					
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
21						Maryland	24		
	001	074	1			Allegany		001	1900
				007	5	Cumberland			
				999	9	Balance of county			
	002	025	1			Anne Arundel		003	0720
				002	5	Annapolis			
				999	9	Balance of county			
	003	025	1	999	9	Baltimore		005	0720
	004	025	1	003	1	Baltimore city		510	0720
	005	305	1	999	9	Calvert		009	8840
	006	000	2	999	9	Caroline		011	0000
	007	025	1	999	9	Carroll		013	0720
	008	313	1	999	9	Cecil		015	9160
	009	305	1	999	9	Charles		017	8840
	010	000	2			Dorchester		019	0000
				005	6	Cambridge			
				999	9	Balance of county			
	011	305	1			Frederick		021	8840
				008	5	Frederick			
				999	9	Balance of county			
	012	000	2	999	9	Garrett		023	0000
	013	025	1			Harford		025	0720
				001	6	Aberdeen			
				999	9	Balance of county			
	014	025	1	999	9	Howard		027	0720
	015	000	2	999	9	Kent		029	0000
	016	305	1			Montgomery		031	8840
				009	5	Gaithersburg			
				015	5	Rockville			
				017	6	Takoma Park, part			
				999	9	Balance of county			
	017	305	1			Prince George's		033	8840
				004	5	Bowie			
				006	6	College Park			
				010	6	Greenbelt			
				012	6	Hyattsville			
				013	6	Laurel			
				014	6	New Carrollton			
				017	6	Takoma Park, part			
				999	9	Balance of county			
	018	025	1	999	9	Queen Anne's		035	0720
	019	000	2	999	9	St. Mary's		037	0000
	020	000	2	999	9	Somerset		039	0000
	021	000	2	999	9	Talbot		041	0000
	022	123	1			Washington		043	3180
				011	5	Hagerstown			
				999	9	Balance of county			
	023	000	2			Wicomico		045	0000
				016	6	Salisbury			
				999	9	Balance of county			
	024	000	2	999	9	Worcester		047	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes			
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA	
22				Massachusetts	25		
001	000	2		Barnstable	001	0000	
			008 5	Barnstable town			
			999 9	Balance of county			
002	229	1		Berkshire	003	6323	
			057 6	North Adams			
			062 4	Pittsfield			
			999 9	Balance of county			
003	202	1		Bristol	005	5403	
			007 5	Attleboro			
			027 6	Fairhaven town			
			028 4	Fall River			
			054 4	New Bedford			
			059 6	North Attleborough town			
			073 6	Somerset town			
			079 5	Taunton			
			999 9	Balance of county			
004	000	2	999 9	Dukes	007	0000	
005	042	1		Essex	009	1123	
			003 6	Amesbury town			
			005 6	Andover town			
			010 5	Beverly			
			022 6	Danvers town			
			032 5	Gloucester			
			033 5	Haverhill			
			037 4	Lawrence			
			042 4	Lynn			
			043 6	Lynnfield town			
			045 6	Marblehead town			
			049 5	Methuen town			
			055 6	Newburyport			
			061 5	Peabody			
			069 5	Salem			
			070 6	Saugus town			
			078 6	Swampscott town			
			999 9	Balance of county			
006	000	2	999 9	Franklin	011	0000	
007	281	1		Hampden	013	8003	
			002 5	Agawam town			
			020 4	Chicopee			
			035 5	Holyoke			
			040 6	Longmeadow town			
			075 3	Springfield			
			086 5	Westfield			
			087 5	West Springfield town			
			999 9	Balance of county			
008	281	1		Hampshire	015	8003	
			004 5	Amherst town			
			025 6	Easthampton town			
			058 5	Northampton			
			999 9	Balance of county			
009	042	1		Middlesex	017	1123	
			006 5	Arlington town			
			009 5	Belmont town			
			011 5	Billerica town			
			016 6	Burlington town			
			017 4	Cambridge			
			018 5	Chelmsford town			
			024 6	Dracut town			
			026 5	Everett			
			030 4	Framingham town			
			036 6	Hudson town			
			039 5	Lexington town			
			041 4	Lowell			
			044 4	Malden			
			046 5	Marlborough			
			047 4	Medford			
			048 5	Melrose			
			052 5	Natick town			
			056 4	Newton			
			066 6	Reading town			
			074 4	Somerville			
			076 6	Stoneham town			
			080 6	Tewksbury town			
			081 6	Wakefield town			

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes

FIPS Codes

St Cnty MSA M/NM City P/S State, County, City, or Country Name

St Cnty MSA

St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	FIPS Codes
22					Massachusetts	25
			082	4	Waltham	
			083	5	Watertown town	
			091	6	Wilmington town	
			092	6	Winchester town	
			094	5	Woburn	
			999	9	Balance of county	
010	000	2	999	9	Nantucket	019 0000
011	042	1			Norfolk	021 1123
			013	5	Braintree town	
			015	4	Brookline town	
			023	5	Dedham town	
			034	6	Holbrook town	
			051	5	Milton town	
			053	5	Needham town	
			060	5	Norwood town	
			064	4	Quincy	
			065	5	Randolph town	
			077	5	Stoughton town	
			085	5	Wellesley town	
			088	6	Westwood town	
			089	4	Weymouth town	
			999	9	Balance of county	
012	042	1			Plymouth	023 1123
			001	6	Abington town	
			014	4	Brockton	
			063	5	Plymouth town	
			068	6	Rockland town	
			071	6	Scituate town	
			090	6	Whitman town	
			999	9	Balance of county	
013	042	1			Suffolk	025 1123
			012	1	Boston	
			019	5	Chelsea	
			067	5	Revere	
			093	6	Winthrop town	
014	315	1			Worcester	027 9243
			021	6	Clinton town	
			029	5	Fitchburg	
			031	6	Gardner	
			038	5	Leominster	
			050	6	Milford town	
			072	6	Shrewsbury town	
			084	6	Webster town	
			095	3	Worcester	
			999	9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes	
St Cnty	MSA	M/NM	City	P/S		St Cnty	MSA
23					Michigan	26	
	001	000	2	999 9	Alcona	001	0000
	002	000	2	999 9	Alger	003	0000
	003	000	2		Allegan	005	0000
				049 5	Holland, part		
				999 9	Balance of county		
	004	000	2		Alpena	007	0000
				004 6	Alpena		
				999 9	Balance of county		
	005	000	2	999 9	Antrim	009	0000
	006	000	2	999 9	Arenac	011	0000
	007	000	2	999 9	Baraga	013	0000
	008	000	2	999 9	Barry	015	0000
	009	251	1		Bay	017	6960
				007 6	Bangor township		
				009 5	Bay City		
				063 5	Midland, part		
				999 9	Balance of county		
	010	000	2	999 9	Benzie	019	0000
	011	032	1		Berrien	021	0870
				010 6	Benton Harbor		
				070 6	Niles		
				999 9	Balance of county		
	012	000	2	999 9	Branch	023	0000
	013	028	1		Calhoun	025	0780
				002 6	Albion		
				008 5	Battle Creek		
				999 9	Balance of county		
	014	000	2	999 9	Cass	027	0000
	015	000	2	999 9	Charlevoix	029	0000
	016	000	2	999 9	Cheboygan	031	0000
	017	000	2		Chippewa	033	0000
				088 6	Sault Ste. Marie		
				999 9	Balance of county		
	018	000	2	999 9	Clare	035	0000
	019	161	1		Clinton	037	4040
				055 3	Lansing, part		
				999 9	Balance of county		
	020	000	2	999 9	Crawford	039	0000
	021	000	2		Delta	041	0000
				028 6	Escanaba		
				999 9	Balance of county		
	022	000	2	999 9	Dickinson	043	0000
	023	161	1		Eaton	045	4040
				055 3	Lansing, part		
				999 9	Balance of county		
	024	000	2	999 9	Emmet	047	0000
	025	099	1		Genesee	049	2640
				016 5	Burton		
				032 3	Flint		
				033 5	Flint township		
				036 5	Genesee township		
				066 5	Mount Morris township		
				999 9	Balance of county		
	026	000	2	999 9	Gladwin	051	0000
	027	000	2	999 9	Gogebic	053	0000
	028	000	2		Grand Traverse	055	0000
				094 6	Traverse City		
				999 9	Balance of county		
	029	000	2	999 9	Gratiot	057	0000
	030	000	2	999 9	Hillsdale	059	0000
	031	000	2	999 9	Houghton	061	0000
	032	000	2	999 9	Huron	063	0000
	033	161	1		Ingham	065	4040
				026 5	East Lansing		
				055 3	Lansing, part		
				062 5	Meridian township		
				999 9	Balance of county		
	034	000	2	999 9	Ionia	067	0000
	035	000	2	999 9	Iosco	069	0000
	036	000	2	999 9	Iron	071	0000
	037	000	2		Isabella	073	0000
				067 6	Mount Pleasant		
				999 9	Balance of county		
	038	135	1		Jackson	075	3520
				051 5	Jackson		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
23				Michigan	26
			999 9	Balance of county	
039	147	1		Kalamazoo	077 3720
			052 4	Kalamazoo	
			053 6	Kalamazoo township	
			077 5	Portage	
			999 9	Balance of county	
040	000	2	999 9	Kalkaska	079 0000
041	117	1		Kent	081 3000
			025 6	East Grand Rapids	
			039 3	Grand Rapids	
			040 6	Grandville	
			054 5	Kentwood	
			097 6	Walker	
			104 4	Wyoming	
			999 9	Balance of county	
042	000	2	999 9	Keweenaw	083 0000
043	000	2	999 9	Lake	085 0000
044	084	1	999 9	Lapeer	087 2160
045	000	2	999 9	Leelanau	089 0000
046	000	2		Lenawee	091 0000
			001 6	Adrian	
			999 9	Balance of county	
047	084	1	999 9	Livingston	093 2160
048	000	2	999 9	Luce	095 0000
049	000	2	999 9	Mackinac	097 0000
050	084	1		Macomb	099 2160
			020 4	Clinton township	
			024 5	East Detroit	
			034 6	Fraser	
			046 6	Harrison township	
			065 6	Mount Clemens	
			083 4	Roseville	
			087 4	St. Clair Shores	
			089 5	Shelby township	
			092 3	Sterling Heights	
			098 3	Warren	
			999 9	Balance of county	
051	000	2	999 9	Manistee	101 0000
052	000	2		Marquette	103 0000
			059 6	Marquette	
			999 9	Balance of county	
053	000	2	999 9	Mason	105 0000
054	000	2		Mecosta	107 0000
			013 6	Big Rapids	
			999 9	Balance of county	
055	000	2		Menominee	109 0000
			061 6	Menominee	
			999 9	Balance of county	
056	251	1		Midland	111 6960
			063 5	Midland, part	
			999 9	Balance of county	
057	000	2	999 9	Missaukee	113 0000
058	084	1		Monroe	115 2160
			064 6	Monroe	
			999 9	Balance of county	
059	000	2	999 9	Montcalm	117 0000
060	000	2	999 9	Montmorency	119 0000
061	198	1		Muskegon	121 5320
			068 5	Muskegon	
			069 6	Muskegon Heights	
			071 6	Norton Shores	
			999 9	Balance of county	
062	000	2	999 9	Newaygo	123 0000
063	084	1		Oakland	125 2160
			006 5	Avon township	
			011 6	Berkley	
			012 6	Beverly Hills	
			014 6	Birmingham	
			015 5	Bloomfield township	
			019 6	Clawson	
			029 6	Farmington	
			030 4	Farmington Hills	
			031 5	Ferndale	
			047 6	Hazel Park	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
23				Michigan	26
			058 5	Madison Heights	
			072 6	Novi	
			073 5	Oak Park	
			076 4	Pontiac	
			084 4	Royal Oak	
			090 4	Southfield	
			096 4	Troy	
			100 5	West Bloomfield township	
			999 9	Balance of county	
064	000	2	999 9	Oceana	127 0000
065	000	2	999 9	Ogemaw	129 0000
066	000	2	999 9	Ontonagon	131 0000
067	000	2	999 9	Osceola	133 0000
068	000	2	999 9	Oscoda	135 0000
069	000	2	999 9	Otsego	137 0000
070	117	1		Ottawa	139 3000
			037 5	Georgetown township	
			038 6	Grand Haven	
			049 5	Holland, part	
			999 9	Balance of county	
071	000	2	999 9	Presque Isle	141 0000
072	000	2	999 9	Roscommon	143 0000
073	251	1		Saginaw	145 6960
			085 4	Saginaw	
			086 5	Saginaw township	
			999 9	Balance of county	
074	084	1		St. Clair	147 2160
			078 5	Port Huron	
			999 9	Balance of county	
075	000	2	999 9	St. Joseph	149 0000
076	000	2	999 9	Sanilac	151 0000
077	000	2	999 9	Schoolcraft	153 0000
078	000	2		Shiawassee	155 0000
			074 6	Owosso	
			999 9	Balance of county	
079	000	2	999 9	Tuscola	157 0000
080	000	2	999 9	Van Buren	159 0000
081	014	1		Washtenaw	161 0440
			005 3	Ann Arbor	
			105 6	Ypsilanti	
			106 5	Ypsilanti township	
			999 9	Balance of county	
082	084	1		Wayne	163 2160
			003 5	Allen Park	
			018 5	Canton township	
			021 4	Dearborn	
			022 4	Dearborn Heights	
			023 0	Detroit	
			027 6	Ecorse	
			035 5	Garden City	
			041 6	Grosse Pointe Farms	
			042 6	Grosse Pointe Park	
			043 6	Grosse Pointe Woods	
			044 6	Hamtramck	
			045 6	Harper Woods	
			048 5	Highland Park	
			050 5	Inkster	
			056 5	Lincoln Park	
			057 3	Livonia	
			060 6	Melvindale	
			075 6	Plymouth township	
			079 4	Redford township	
			080 6	River Rouge	
			081 6	Riverview	
			082 6	Romulus	
			091 5	Southgate	
			093 4	Taylor	
			095 6	Trenton	
			099 6	Wayne	
			101 4	Westland	
			102 6	Woodhaven	
			103 5	Wyandotte	
			999 9	Balance of county	
083	000	2		Wexford	165 0000
			017 6	Cadillac	

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes

FIPS Codes

St Cnty MSA M/NM City P/S State, County, City, or Country Name

St Cnty MSA

23

999 9 Michigan  
Balance of county

26

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
24				Minnesota	27
001	000	2	999 9	Aitkin	001 0000
002	191	1		Anoka	003 5120
			002 6	Anoka	
			006 5	Blaine, part	
			013 6	Columbia Heights	
			014 5	Coon Rapids	
			024 5	Fridley	
			047 6	Ramsey	
			999 9	Balance of county	
003	000	2	999 9	Becker	005 0000
004	000	2		Beltrami	007 0000
			005 6	Bemidji	
			999 9	Balance of county	
005	252	1		Benton	009 6980
			053 5	St. Cloud, part	
			999 9	Balance of county	
006	000	2	999 9	Big Stone	011 0000
007	000	2		Blue Earth	013 0000
			031 5	Mankato, part	
			999 9	Balance of county	
008	000	2		Brown	015 0000
			041 6	New Ulm	
			999 9	Balance of county	
009	000	2		Carlton	017 0000
			012 6	Cloquet	
			999 9	Balance of county	
010	191	1	999 9	Carver	019 5120
011	000	2	999 9	Cass	021 0000
012	000	2	999 9	Chippewa	023 0000
013	191	1	999 9	Chisago	025 5120
014	096	1		Clay	027 2520
			037 5	Moorhead	
			999 9	Balance of county	
015	000	2	999 9	Clearwater	029 0000
016	000	2	999 9	Cook	031 0000
017	000	2	999 9	Cottonwood	033 0000
018	000	2		Crow Wing	035 0000
			008 6	Brainerd	
			999 9	Balance of county	
019	191	1		Dakota	037 5120
			003 6	Apple Valley	
			011 5	Burnsville	
			018 6	Eagan	
			026 6	Hastings, part	
			029 6	Inver Grove Heights	
			030 6	Lakeville	
			042 6	Northfield, part	
			057 6	South St. Paul	
			060 6	West St. Paul	
			999 9	Balance of county	
020	000	2	999 9	Dodge	039 0000
021	000	2	999 9	Douglas	041 0000
022	000	2	999 9	Faribault	043 0000
023	000	2	999 9	Fillmore	045 0000
024	000	2		Freeborn	047 0000
			001 6	Albert Lea	
			999 9	Balance of county	
025	000	2		Goodhue	049 0000
			048 6	Red Wing	
			999 9	Balance of county	
026	000	2	999 9	Grant	051 0000
027	191	1		Hennepin	053 5120
			007 4	Bloomington	
			009 5	Brooklyn Center	
			010 5	Brooklyn Park	
			016 5	Crystal	
			019 6	Eden Prairie	
			020 5	Edina	
			025 6	Golden Valley	
			028 6	Hopkins	
			032 6	Maple Grove	
			035 2	Minneapolis	
			036 5	Minnetonka	
			040 6	New Hope	



MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
24				Minnesota	27
			046 5	Plymouth	
			049 5	Richfield	
			050 6	Robbinsdale	
			054 5	St. Louis Park	
			999 9	Balance of county	
028	000	2	999 9	Houston	055 0000
029	000	2	999 9	Hubbard	057 0000
030	191	1	999 9	Isanti	059 5120
031	000	2	999 9	Itasca	061 0000
032	000	2	999 9	Jackson	063 0000
033	000	2	999 9	Kanabec	065 0000
034	000	2		Kandiyohi	067 0000
			062 6	Willmar	
			999 9	Balance of county	
035	000	2	999 9	Kittson	069 0000
036	000	2	999 9	Koochiching	071 0000
037	000	2	999 9	Lac qui Parle	073 0000
038	000	2	999 9	Lake	075 0000
039	000	2	999 9	Lake of the Woods	077 0000
040	000	2	999 9	Le Sueur	079 0000
041	000	2	999 9	Lincoln	081 0000
042	000	2		Lyon	083 0000
			034 6	Marshall	
			999 9	Balance of county	
043	000	2	999 9	McLeod	085 0000
044	000	2	999 9	Mahnomen	087 0000
045	000	2	999 9	Marshall	089 0000
046	000	2		Martin	091 0000
			021 6	Fairmont	
			999 9	Balance of county	
047	000	2	999 9	Meekeer	093 0000
048	000	2	999 9	Mille Lacs	095 0000
049	000	2	999 9	Morrison	097 0000
050	000	2		Mower	099 0000
			004 6	Austin	
			999 9	Balance of county	
051	000	2	999 9	Murray	101 0000
052	000	2		Nicollet	103 0000
			031 5	Mankato, part	
			999 9	Balance of county	
053	000	2		Nobles	105 0000
			065 6	Worthington	
			999 9	Balance of county	
054	000	2	999 9	Norman	107 0000
055	247	1		Olmsted	109 6820
			051 4	Rochester	
			999 9	Balance of county	
056	000	2		Otter Tail	111 0000
			023 6	Fergus Falls	
			999 9	Balance of county	
057	000	2	999 9	Pennington	113 0000
058	000	2	999 9	Pine	115 0000
059	000	2	999 9	Pipestone	117 0000
060	000	2	999 9	Polk	119 0000
061	000	2	999 9	Pope	121 0000
062	191	1		Ramsey	123 5120
			006 5	Blaine, part	
			033 5	Maplewood	
			038 6	Mounds View	
			039 6	New Brighton	
			043 6	North St. Paul	
			052 5	Roseville	
			055 2	St. Paul	
			056 6	Shoreview	
			061 6	White Bear Lake, part	
			999 9	Balance of county	
063	000	2	999 9	Red Lake	125 0000
064	000	2	999 9	Redwood	127 0000
065	000	2	999 9	Renville	129 0000
066	000	2		Rice	131 0000
			022 6	Faribault	
			042 6	Northfield, part	
			999 9	Balance of county	
067	000	2	999 9	Rock	133 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
24					Minnesota	27
	068	000	2	999	9 Roseau	135 0000
	069	087	1		St. Louis	137 2240
			017	4	Duluth	
			027	6	Hibbing	
			059	6	Virginia	
			999	9	Balance of county	
	070	191	1	999	9 Scott	139 5120
	071	252	1		Sherburne	141 6980
			053	5	St. Cloud, part	
			999	9	Balance of county	
	072	000	2	999	9 Sibley	143 0000
	073	252	1		Stearns	145 6980
			053	5	St. Cloud, part	
			999	9	Balance of county	
	074	000	2		Steele	147 0000
			045	6	Owatonna	
			999	9	Balance of county	
	075	000	2	999	9 Stevens	149 0000
	076	000	2	999	9 Swift	151 0000
	077	000	2	999	9 Todd	153 0000
	078	000	2	999	9 Traverse	155 0000
	079	000	2	999	9 Wabasha	157 0000
	080	000	2	999	9 Wadena	159 0000
	081	000	2	999	9 Waseca	161 0000
	082	191	1		Washington	163 5120
			015	6	Cottage Grove	
			026	6	Hastings, part	
			044	6	Oakdale	
			058	6	Stillwater	
			061	6	White Bear Lake, part	
			064	6	Woodbury	
			999	9	Balance of county	
	083	000	2	999	9 Watonwan	165 0000
	084	000	2	999	9 Wilkin	167 0000
	085	000	2		Winona	169 0000
			063	5	Winona	
			999	9	Balance of county	
	086	191	1	999	9 Wright	171 5120
	087	000	2	999	9 Yellow Medicine	173 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes			
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
25						Mississippi	28
	001	000	2			Adams	001 0000
				019	6	Natchez	
				999	9	Balance of county	
	002	000	2			Alcorn	003 0000
				008	6	Corinth	
				999	9	Balance of county	
	003	000	2	999	9	Amite	005 0000
	004	000	2	999	9	Attala	007 0000
	005	000	2	999	9	Benton	009 0000
	006	000	2			Bolivar	011 0000
				005	6	Cleveland	
				999	9	Balance of county	
	007	000	2	999	9	Calhoun	013 0000
	008	000	2	999	9	Carroll	015 0000
	009	000	2	999	9	Chickasaw	017 0000
	010	000	2	999	9	Choctaw	019 0000
	011	000	2	999	9	Claiborne	021 0000
	012	000	2	999	9	Clarke	023 0000
	013	000	2	999	9	Clay	025 0000
	014	000	2			Coahoma	027 0000
				004	6	Clarksdale	
				999	9	Balance of county	
	015	000	2	999	9	Copiah	029 0000
	016	000	2	999	9	Covington	031 0000
	017	185	1	999	9	De Soto	033 4920
	018	000	2			Forrest	035 0000
				013	5	Hattiesburg, part	
				999	9	Balance of county	
	019	000	2	999	9	Franklin	037 0000
	020	000	2	999	9	George	039 0000
	021	000	2	999	9	Greene	041 0000
	022	000	2			Grenada	043 0000
				011	6	Grenada	
				999	9	Balance of county	
	023	035	1	999	9	Hancock	045 0920
	024	035	1			Harrison	047 0920
				001	5	Biloxi	
				012	5	Gulfport	
				999	9	Balance of county	
	025	136	1			Hinds	049 3560
				006	6	Clinton	
				014	3	Jackson, part	
				999	9	Balance of county	
	026	000	2	999	9	Holmes	051 0000
	027	000	2	999	9	Humphreys	053 0000
	028	000	2	999	9	Issaquena	055 0000
	029	000	2	999	9	Itawamba	057 0000
	030	222	1			Jackson	059 6025
				018	6	Moss Point	
				020	6	Ocean Springs	
				021	5	Pascagoula	
				999	9	Balance of county	
	031	000	2	999	9	Jasper	061 0000
	032	000	2	999	9	Jefferson	063 0000
	033	000	2	999	9	Jefferson Davis	065 0000
	034	000	2			Jones	067 0000
				015	6	Laurel	
				999	9	Balance of county	
	035	000	2	999	9	Kemper	069 0000
	036	000	2	999	9	Lafayette	071 0000
	037	000	2			Lamar	073 0000
				013	5	Hattiesburg, part	
				999	9	Balance of county	
	038	000	2			Lauderdale	075 0000
				017	5	Meridian	
				999	9	Balance of county	
	039	000	2	999	9	Lawrence	077 0000
	040	000	2	999	9	Leake	079 0000
	041	000	2			Lee	081 0000
				025	6	Tupelo	
				999	9	Balance of county	
	042	000	2			Leflore	083 0000
				010	6	Greenwood	
				999	9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes				
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name		St Cnty	MSA	
25				Mississippi			28	
	043	000	2		Lincoln		085 0000	
				002	6	Brookhaven		
				999	9	Balance of county		
	044	000	2		Lowndes		087 0000	
				007	5	Columbus		
				999	9	Balance of county		
	045	136	1		Madison		089 3560	
				003	6	Canton		
				999	9	Balance of county		
	046	000	2	999	9	Marion	091 0000	
	047	000	2	999	9	Marshall	093 0000	
	048	000	2	999	9	Monroe	095 0000	
	049	000	2	999	9	Montgomery	097 0000	
	050	000	2	999	9	Neshoba	099 0000	
	051	000	2	999	9	Newton	101 0000	
	052	000	2	999	9	Noxubee	103 0000	
	053	000	2		Oktibbeha		105 0000	
				024	6	Starkville		
				999	9	Balance of county		
	054	000	2	999	9	Panola	107 0000	
	055	000	2		Pearl River		109 0000	
				023	6	Picayune		
				999	9	Balance of county		
	056	000	2	999	9	Perry	111 0000	
	057	000	2		Pike		113 0000	
				016	6	McComb		
				999	9	Balance of county		
	058	000	2	999	9	Pontotoc	115 0000	
	059	000	2	999	9	Prentiss	117 0000	
	060	000	2	999	9	Quitman	119 0000	
	061	136	1		Rankin		121 3560	
				014	3	Jackson, part		
				022	6	Pearl		
				999	9	Balance of county		
	062	000	2	999	9	Scott	123 0000	
	063	000	2	999	9	Sharkey	125 0000	
	064	000	2	999	9	Simpson	127 0000	
	065	000	2	999	9	Smith	129 0000	
	066	000	2	999	9	Stone	131 0000	
	067	000	2	999	9	Sunflower	133 0000	
	068	000	2	999	9	Tallahatchie	135 0000	
	069	000	2	999	9	Tate	137 0000	
	070	000	2	999	9	Tippah	139 0000	
	071	000	2	999	9	Tishomingo	141 0000	
	072	000	2	999	9	Tunica	143 0000	
	073	000	2	999	9	Union	145 0000	
	074	000	2	999	9	Walthall	147 0000	
	075	000	2		Warren		149 0000	
				026	5	Vicksburg		
				999	9	Balance of county		
	076	000	2		Washington		151 0000	
				009	5	Greenville		
				999	9	Balance of county		
	077	000	2	999	9	Wayne	153 0000	
	078	000	2	999	9	Webster	155 0000	
	079	000	2	999	9	Wilkinson	157 0000	
	080	000	2	999	9	Winston	159 0000	
	081	000	2	999	9	Yalobusha	161 0000	
	082	000	2		Yazoo		163 0000	
				027	6	Yazoo City		
				999	9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name			FIPS Codes	
St Cnty	MSA	M/NM	City P/S				St Cnty	MSA
26				Missouri			29	
001	000	2			Adair		001	0000
				028	6	Kirksville		
				999	9	Balance of county		
002	000	2		999	9	Andrew	003	0000
003	000	2		999	9	Atchison	005	0000
004	000	2				Audrain	007	0000
				034	6	Mexico		
				999	9	Balance of county		
005	000	2		999	9	Barry	009	0000
006	000	2		999	9	Barton	011	0000
007	000	2		999	9	Bates	013	0000
008	000	2		999	9	Benton	015	0000
009	000	2		999	9	Bollinger	017	0000
010	069	1				Boone	019	1740
				011	4	Columbia		
				999	9	Balance of county		
011	253	1				Buchanan	021	7000
				043	4	St. Joseph		
				999	9	Balance of county		
012	000	2				Butler	023	0000
				037	6	Poplar Bluff		
				999	9	Balance of county		
013	000	2		999	9	Caldwell	025	0000
014	000	2				Callaway	027	0000
				017	6	Fulton		
				023	5	Jefferson City, part		
				999	9	Balance of county		
015	000	2		999	9	Camden	029	0000
016	000	2				Cape Girardeau	031	0000
				008	5	Cape Girardeau		
				999	9	Balance of county		
017	000	2		999	9	Carroll	033	0000
018	000	2		999	9	Carter	035	0000
019	149	1				Cass	037	3760
				004	6	Belton		
				030	5	Lee's Summit, part		
				999	9	Balance of county		
020	000	2		999	9	Cedar	039	0000
021	000	2		999	9	Chariton	041	0000
022	280	1		999	9	Christian	043	7920
023	000	2		999	9	Clark	045	0000
024	149	1				Clay	047	3760
				014	6	Excelsior Springs, part		
				018	6	Gladstone		
				022	3	Independence, part		
				026	2	Kansas City, part		
				031	6	Liberty		
				999	9	Balance of county		
025	000	2		999	9	Clinton	049	0000
026	000	2				Cole	051	0000
				023	5	Jefferson City, part		
				999	9	Balance of county		
027	000	2		999	9	Cooper	053	0000
028	000	2		999	9	Crawford	055	0000
029	000	2		999	9	Dade	057	0000
030	000	2		999	9	Dallas	059	0000
031	000	2		999	9	Daviess	061	0000
032	000	2		999	9	De Kalb	063	0000
033	000	2		999	9	Dent	065	0000
034	000	2		999	9	Douglas	067	0000
035	000	2				Dunklin	069	0000
				027	6	Kennett		
				999	9	Balance of county		
036	254	1		999	9	Franklin	071	7040
037	000	2		999	9	Gasconade	073	0000
038	000	2		999	9	Gentry	075	0000
039	280	1				Greene	077	7920
				048	3	Springfield		
				999	9	Balance of county		
040	000	2		999	9	Grundy	079	0000
041	000	2		999	9	Harrison	081	0000
042	000	2		999	9	Henry	083	0000
043	000	2		999	9	Hickory	085	0000
044	000	2		999	9	Holt	087	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes	
Vital Statistics Codes						St Cnty	MSA
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
26					Missouri		
	045	000	2	999	9	Howard	29
	046	000	2	999	9	Howell	089 0000
	047	000	2	999	9	Iron	091 0000
	048	149	1			Jackson	093 0000
						Blue Springs	095 3760
				006	5		
				019	6	Grandview	
				022	3	Independence, part	
				026	2	Kansas City, part	
				030	5	Lee's Summit, part	
				038	5	Raytown	
				999	9	Balance of county	
	049	146	1			Jasper	097 3710
				009	6	Carthage	
				025	5	Joplin, part	
				999	9	Balance of county	
	050	254	1			Jefferson	099 7040
				001	6	Arnold	
				999	9	Balance of county	
	051	000	2			Johnson	101 0000
				050	6	Warrensburg	
				999	9	Balance of county	
	052	000	2	999	9	Knox	103 0000
	053	000	2	999	9	Laclede	105 0000
	054	149	1	999	9	Lafayette	107 3760
	055	000	2	999	9	Lawrence	109 0000
	056	000	2	999	9	Lewis	111 0000
	057	000	2	999	9	Lincoln	113 0000
	058	000	2	999	9	Linn	115 0000
	059	000	2	999	9	Livingston	117 0000
	060	000	2	999	9	McDonald	119 0000
	061	000	2	999	9	Macon	121 0000
	062	000	2	999	9	Madison	123 0000
	063	000	2	999	9	Maries	125 0000
	064	000	2			Marion	127 0000
				020	6	Hannibal, part	
				999	9	Balance of county	
	065	000	2	999	9	Mercer	129 0000
	066	000	2	999	9	Miller	131 0000
	067	000	2	999	9	Mississippi	133 0000
	068	000	2	999	9	Moniteau	135 0000
	069	000	2	999	9	Monroe	137 0000
	070	000	2	999	9	Montgomery	139 0000
	071	000	2	999	9	Morgan	141 0000
	072	000	2			New Madrid	143 0000
				047	6	Sikeston, part	
				999	9	Balance of county	
	073	146	1			Newton	145 3710
				025	5	Joplin, part	
				999	9	Balance of county	
	074	000	2	999	9	Nodaway	147 0000
	075	000	2	999	9	Oregon	149 0000
	076	000	2	999	9	Osage	151 0000
	077	000	2	999	9	Ozark	153 0000
	078	000	2	999	9	Pemiscot	155 0000
	079	000	2	999	9	Perry	157 0000
	080	000	2			Pettis	159 0000
				046	6	Sedalia	
				999	9	Balance of county	
	081	000	2			Phelps	161 0000
				040	6	Rolla	
				999	9	Balance of county	
	082	000	2	999	9	Pike	163 0000
	083	149	1			Platte	165 3760
				026	2	Kansas City, part	
				999	9	Balance of county	
	084	000	2	999	9	Polk	167 0000
	085	000	2	999	9	Pulaski	169 0000
	086	000	2	999	9	Putnam	171 0000
	087	000	2			Ralls	173 0000
				020	6	Hannibal, part	
				999	9	Balance of county	
	088	000	2			Randolph	175 0000
				035	6	Moberly	
				999	9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.					FIPS Codes	
Vital Statistics Codes					St Cnty MSA	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA
26				Missouri	29	
089	149	1		Ray	177	3760
			014 6	Excelsior Springs, part		
			999 9	Balance of county		
090	000	2	999 9	Reynolds	179	0000
091	000	2	999 9	Ripley	181	0000
092	254	1		St. Charles	183	7040
			042 5	St. Charles		
			045 6	St. Peters		
			999 9	Balance of county		
093	000	2	999 9	St. Clair	185	0000
094	000	2	999 9	Ste. Genevieve	186	0000
095	000	2	999 9	St. Francois	187	0000
096	254	1		St. Louis	189	7040
			002 6	Ballwin		
			003 6	Bellefontaine Neighbors		
			005 6	Berkeley		
			007 6	Bridgeton		
			010 6	Clayton		
			012 6	Crestwood		
			013 6	Creve Coeur		
			015 6	Ferguson		
			016 4	Florissant		
			021 6	Hazelwood		
			024 6	Jennings		
			029 5	Kirkwood		
			032 6	Maplewood		
			036 6	Overland		
			039 6	Richmond Heights		
			041 6	St. Ann		
			049 5	University City		
			051 6	Webster Groves		
			999 9	Balance of county		
097	254	1	044 2	St. Louis city	510	7040
098	000	2		Saline	195	0000
			033 6	Marshall		
			999 9	Balance of county		
099	000	2	999 9	Schuyler	197	0000
100	000	2	999 9	Scotland	199	0000
101	000	2		Scott	201	0000
			047 6	Sikeston, part		
			999 9	Balance of county		
102	000	2	999 9	Shannon	203	0000
103	000	2	999 9	Shelby	205	0000
104	000	2	999 9	Stoddard	207	0000
105	000	2	999 9	Stone	209	0000
106	000	2	999 9	Sullivan	211	0000
107	000	2	999 9	Taney	213	0000
108	000	2	999 9	Texas	215	0000
109	000	2	999 9	Vernon	217	0000
110	000	2	999 9	Warren	219	0000
111	000	2	999 9	Washington	221	0000
112	000	2	999 9	Wayne	223	0000
113	000	2	999 9	Webster	225	0000
114	000	2	999 9	Worth	227	0000
115	000	2	999 9	Wright	229	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
27					Montana	30
001	000	2	999	9	Beaverhead	001 0000
002	000	2	999	9	Big Horn	003 0000
003	000	2	999	9	Blaine	005 0000
004	000	2	999	9	Broadwater	007 0000
005	000	2	999	9	Carbon	009 0000
006	000	2	999	9	Carter	011 0000
007	118	1			Cascade	013 3040
			005	4	Great Falls	
			999	9	Balance of county	
008	000	2	999	9	Chouteau	015 0000
009	000	2	999	9	Custer	017 0000
010	000	2	999	9	Daniels	019 0000
011	000	2	999	9	Dawson	021 0000
012	000	2	001	6	Deer Lodge, coext. with Anaconda-Deer Lodge	023 0000
013	000	2	999	9	Fallon	025 0000
014	000	2	999	9	Fergus	027 0000
015	000	2			Flathead	029 0000
			008	6	Kalispell	
			999	9	Balance of county	
016	000	2			Gallatin	031 0000
			003	6	Bozeman	
			999	9	Balance of county	
017	000	2	999	9	Garfield	033 0000
018	000	2	999	9	Glacier	035 0000
019	000	2	999	9	Golden Valley	037 0000
020	000	2	999	9	Granite	039 0000
021	000	2			Hill	041 0000
			006	6	Havre	
			999	9	Balance of county	
022	000	2	999	9	Jefferson	043 0000
023	000	2	999	9	Judith Basin	045 0000
024	000	2	999	9	Lake	047 0000
025	000	2			Lewis and Clark	049 0000
			007	6	Helena	
			999	9	Balance of county	
026	000	2	999	9	Liberty	051 0000
027	000	2	999	9	Lincoln	053 0000
028	000	2	999	9	McCone	055 0000
029	000	2	999	9	Madison	057 0000
030	000	2	999	9	Meagher	059 0000
031	000	2	999	9	Mineral	061 0000
032	000	2			Missoula	063 0000
			009	5	Missoula	
			999	9	Balance of county	
033	000	2	999	9	Musselshell	065 0000
034	000	2	999	9	Park	067 0000
035	000	2	999	9	Petroleum	069 0000
036	000	2	999	9	Phillips	071 0000
037	000	2	999	9	Pondera	073 0000
038	000	2	999	9	Powder River	075 0000
039	000	2	999	9	Powell	077 0000
040	000	2	999	9	Prairie	079 0000
041	000	2	999	9	Ravalli	081 0000
042	000	2	999	9	Richland	083 0000
043	000	2	999	9	Roosevelt	085 0000
044	000	2	999	9	Rosebud	087 0000
045	000	2	999	9	Sanders	089 0000
046	000	2	999	9	Sheridan	091 0000
047	000	2			Silver Bow	093 0000
			004	5	Butte-Silver Bow	
			999	9	Balance of county	
048	000	2	999	9	Stillwater	095 0000
049	000	2	999	9	Sweet Grass	097 0000
050	000	2	999	9	Teton	099 0000
051	000	2	999	9	Toole	101 0000
052	000	2	999	9	Treasure	103 0000
053	000	2	999	9	Valley	105 0000
054	000	2	999	9	Wheatland	107 0000
055	000	2	999	9	Wibaux	109 0000
056	034	1			Yellowstone	111 0880
			002	4	Billings	
			999	9	Balance of county	
057	000	2	999	9	Yellowstone National Park	113 0000



MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes	
St Cnty	MSA	M/NM	City P/S			St Cnty	MSA
28				Nebraska		31	
	001	000	2		Adams	001	0000
				006	Hastings		
				999	Balance of county		
	002	000	2	999	Antelope	003	0000
	003	000	2	999	Arthur	005	0000
	004	000	2	999	Banner	007	0000
	005	000	2	999	Blaine	009	0000
	006	000	2	999	Boone	011	0000
	007	000	2	999	Box Butte	013	0000
	008	000	2	999	Boyd	015	0000
	009	000	2	999	Brown	017	0000
	010	000	2		Buffalo	019	0000
				007	Kearney		
				999	Balance of county		
	011	000	2	999	Burt	021	0000
	012	000	2	999	Butler	023	0000
	013	000	2	999	Cass	025	0000
	014	000	2	999	Cedar	027	0000
	015	000	2	999	Chase	029	0000
	016	000	2	999	Cherry	031	0000
	017	000	2	999	Cheyenne	033	0000
	018	000	2	999	Clay	035	0000
	019	000	2	999	Colfax	037	0000
	020	000	2	999	Cuming	039	0000
	021	000	2	999	Custer	041	0000
	022	275	1	999	Dakota	043	7720
	023	000	2	999	Dawes	045	0000
	024	000	2	999	Dawson	047	0000
	025	000	2	999	Deuel	049	0000
	026	000	2	999	Dixon	051	0000
	027	000	2		Dodge	053	0000
				004	Fremont		
				999	Balance of county		
	028	215	1		Douglas	055	5920
				011	Omaha		
				999	Balance of county		
	029	000	2	999	Dundy	057	0000
	030	000	2	999	Fillmore	059	0000
	031	000	2	999	Franklin	061	0000
	032	000	2	999	Frontier	063	0000
	033	000	2	999	Furnas	065	0000
	034	000	2		Gage	067	0000
				001	Beatrice		
				999	Balance of county		
	035	000	2	999	Garden	069	0000
	036	000	2	999	Garfield	071	0000
	037	000	2	999	Gosper	073	0000
	038	000	2	999	Grant	075	0000
	039	000	2	999	Greeley	077	0000
	040	000	2		Hall	079	0000
				005	Grand Island		
				999	Balance of county		
	041	000	2	999	Hamilton	081	0000
	042	000	2	999	Harlan	083	0000
	043	000	2	999	Hayes	085	0000
	044	000	2	999	Hitchcock	087	0000
	045	000	2	999	Holt	089	0000
	046	000	2	999	Hooker	091	0000
	047	000	2	999	Howard	093	0000
	048	000	2	999	Jefferson	095	0000
	049	000	2	999	Johnson	097	0000
	050	000	2	999	Kearney	099	0000
	051	000	2	999	Keith	101	0000
	052	000	2	999	Keya Paha	103	0000
	053	000	2	999	Kimball	105	0000
	054	000	2	999	Knox	107	0000
	055	170	1		Lancaster	109	4360
				008	Lincoln		
				999	Balance of county		
	056	000	2		Lincoln	111	0000
				010	North Platte		
				999	Balance of county		
	057	000	2	999	Logan	113	0000
	058	000	2	999	Loup	115	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes			
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
28					Nebraska	31	
	059	000	2	999	9 McPherson	117	0000
	060	000	2		Madison	119	0000
				009	6 Norfolk		
				999	9 Balance of county		
	061	000	2	999	9 Merrick	121	0000
	062	000	2	999	9 Morrill	123	0000
	063	000	2	999	9 Nance	125	0000
	064	000	2	999	9 Nemaha	127	0000
	065	000	2	999	9 Nuckolls	129	0000
	066	000	2	999	9 Otoe	131	0000
	067	000	2	999	9 Pawnee	133	0000
	068	000	2	999	9 Perkins	135	0000
	069	000	2	999	9 Phelps	137	0000
	070	000	2	999	9 Pierce	139	0000
	071	000	2		Platte	141	0000
				003	6 Columbus		
				999	9 Balance of county		
	072	000	2	999	9 Polk	143	0000
	073	000	2	999	9 Red Willow	145	0000
	074	000	2	999	9 Richardson	147	0000
	075	000	2	999	9 Rock	149	0000
	076	000	2	999	9 Saline	151	0000
	077	215	1		Sarpy	153	5920
				002	6 Bellevue		
				999	9 Balance of county		
	078	000	2	999	9 Saunders	155	0000
	079	000	2		Scotts Bluff	157	0000
				012	6 Scottsbluff		
				999	9 Balance of county		
	080	000	2	999	9 Seward	159	0000
	081	000	2	999	9 Sheridan	161	0000
	082	000	2	999	9 Sherman	163	0000
	083	000	2	999	9 Sioux	165	0000
	084	000	2	999	9 Stanton	167	0000
	085	000	2	999	9 Thayer	169	0000
	086	000	2	999	9 Thomas	171	0000
	087	000	2	999	9 Thurston	173	0000
	088	000	2	999	9 Valley	175	0000
	089	215	1	999	9 Washington	177	5920
	090	000	2	999	9 Wayne	179	0000
	091	000	2	999	9 Webster	181	0000
	092	000	2	999	9 Wheeler	183	0000
	093	000	2	999	9 York	185	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes				
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
29						Nevada	32		
	001	000	2	001	5	Carson City city		510	0000
	002	000	2	999	9	Churchill		001	0000
	003	164	1			Clark		003	4120
				002	6	Henderson			
				003	3	Las Vegas			
				004	5	North Las Vegas			
				999	9	Balance of county			
	004	000	2	999	9	Douglas		005	0000
	005	000	2	999	9	Elko		007	0000
	006	000	2	999	9	Esmeralda		009	0000
	007	000	2	999	9	Eureka		011	0000
	008	000	2	999	9	Humboldt		013	0000
	009	000	2	999	9	Lander		015	0000
	010	000	2	999	9	Lincoln		017	0000
	011	000	2	999	9	Lyon		019	0000
	012	000	2	999	9	Mineral		021	0000
	013	000	2	999	9	Nye		023	0000
	014	000	2	999	9	Pershing		027	0000
	015	000	2	999	9	Storey		029	0000
	016	242	1			Washoe		031	6720
				005	3	Reno			
				006	5	Sparks			
				999	9	Balance of county			
	017	000	2	999	9	White Pine		033	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
30						New Hampshire	33
	001	000	2			Belknap	001 0000
				006	6	Laconia	
				999	9	Balance of county	
	002	000	2	999	9	Carroll	003 0000
	003	000	2			Cheshire	005 0000
				005	6	Keene	
				999	9	Balance of county	
	004	000	2			Coos	007 0000
				001	6	Berlin	
				999	9	Balance of county	
	005	000	2			Grafton	009 0000
				007	6	Lebanon	
				999	9	Balance of county	
	006	180	1			Hillsborough	011 4763
				008	4	Manchester	
				009	4	Nashua	
				999	9	Balance of county	
	007	000	2			Merrimack	013 0000
				003	5	Concord	
				999	9	Balance of county	
	008	232	1			Rockingham	015 6453
				010	5	Portsmouth	
				999	9	Balance of county	
	009	232	1			Strafford	017 6453
				004	6	Dover	
				011	6	Rochester	
				012	6	Somersworth	
				999	9	Balance of county	
	010	000	2			Sullivan	019 0000
				002	6	Claremont	
				999	9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes

FIPS Codes  
St Cnty MSA

St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
31					New Jersey	34	
	001	020	1		Atlantic		001 0560
			003	5	Atlantic City		
			053	6	Hammonton		
			120	6	Pleasantville		
			139	6	Somers Point		
			152	6	Ventnor City		
			999	9	Balance of county		
	002	033	1		Bergen		003 0875
			007	5	Bergenfield		
			020	6	Cliffside Park		
			029	6	Dumont		
			036	6	Elmwood Park		
			037	6	Englewood		
			039	5	Fair Lawn		
			040	6	Fairview		
			041	5	Fort Lee		
			044	5	Garfield		
			046	6	Glen Rock		
			049	5	Hackensack		
			056	6	Hasbrouck Heights		
			060	6	Hillsdale		
			075	6	Lodi		
			077	6	Lyndhurst township		
			096	6	New Milford		
			098	6	North Arlington		
			103	6	Oakland		
			108	6	Palisades Park		
			109	5	Paramus		
			125	6	Ramsey		
			127	6	Ridgefield		
			128	6	Ridgefield Park		
			129	5	Ridgewood		
			131	6	River Edge		
			134	6	Rutherford		
			135	6	Saddle Brook township		
			146	5	Teaneck township		
			147	6	Tenafly		
			156	6	Waldwick		
			157	6	Wallington		
			168	6	Westwood		
			172	6	Wyckoff township		
			999	9	Balance of county		
	003	225	1		Burlington		005 6160
			013	6	Burlington		
			018	6	Cinnaminson township		
			024	6	Delran township		
			081	6	Maple Shade township		
			089	6	Moorestown township		
			092	6	Mount Holly township		
			113	5	Pemberton township		
			169	5	Willingboro township		
			999	9	Balance of county		
	004	225	1		Camden		007 6160
			006	6	Bellmawr		
			014	4	Camden		
			017	4	Cherry Hill township		
			022	6	Collingswood		
			047	5	Gloucester township		
			048	6	Gloucester City		
			050	6	Haddon township		
			051	6	Haddonfield		
			072	6	Lindenwold		
			114	5	Pennsauken township		
			155	6	Voorhees township		
			999	9	Balance of county		
	005	020	1		Cape May		009 0560
			105	6	Ocean City		
			999	9	Balance of county		
	006	302	1		Cumberland		011 8760
			011	6	Bridgeton		
			087	6	Millville		
			154	4	Vineland		
			999	9	Balance of county		
	007	207	1		Essex		013 5640
			005	5	Belleville		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
31				New Jersey	34
			009 5	Bloomfield	
			016 6	Cedar Grove township	
			031 4	East Orange	
			065 4	Irvington	
			074 5	Livingston township	
			082 6	Maplewood township	
			086 6	Millburn township	
			088 5	Montclair	
			094 2	Newark	
			102 5	Nutley	
			107 5	Orange	
			141 6	South Orange Village township	
			153 6	Verona	
			162 6	West Caldwell	
			166 5	West Orange	
			999 9	Balance of county	
008	225	1		Gloucester	015 6160
			026 6	Deptford township	
			045 6	Glassboro	
			159 5	Washington township	
			163 6	West Deptford township	
			171 6	Woodbury	
			999 9	Balance of county	
009	142	1		Hudson	017 3640
			004 4	Bayonne	
			055 6	Harrison	
			062 5	Hoboken	
			067 3	Jersey City	
			069 5	Kearny	
			099 5	North Bergen township	
			138 6	Secaucus	
			150 4	Union City	
			161 6	Weehawken township	
			165 5	West New York	
			999 9	Balance of county	
010	188	1	999 9	Hunterdon	019 5015
011	293	1		Mercer	021 8480
			032 6	East Windsor township	
			038 5	Ewing township	
			052 4	Hamilton township	
			123 6	Princeton	
			149 4	Trenton	
			999 9	Balance of county	
012	188	1		Middlesex	023 5015
			015 6	Carteret	
			030 5	East Brunswick township	
			034 4	Edison township	
			059 6	Highland Park	
			083 6	Metuchen	
			084 6	Middlesex	
			095 5	New Brunswick	
			100 6	North Brunswick township	
			106 4	Old Bridge township	
			116 5	Perth Amboy	
			118 5	Piscataway township	
			136 5	Sayreville	
			142 6	South Plainfield	
			143 6	South River	
			170 4	Woodbridge township	
			999 9	Balance of county	
013	194	1		Monmouth	025 5190
			001 6	Aberdeen township	
			002 6	Asbury Park	
			033 6	Eatontown	
			043 6	Freehold	
			058 6	Hazlet township	
			064 5	Howell township	
			068 6	Keansburg	
			076 5	Long Branch	
			085 4	Middletown township	
			093 5	Neptune township	
			104 6	Ocean township	
			126 6	Red Bank	
			999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						Page 68	
Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
31					New Jersey	34	
	014	207	1		Morris		027 5640
			025	6	Denville township		
			027	6	Dover		
			054	6	Hanover township		
			078	6	Madison		
			090	6	Morris township		
			091	6	Morristown		
			110	5	Parsippany-Troy Hills township		
			115	6	Pequannock township		
			999	9	Balance of county		
	015	194	1		Ocean		029 5190
			010	4	Brick township		
			028	4	Dover township		
			066	5	Jackson township		
			070	5	Lakewood township		
			079	5	Manchester township		
			121	6	Point Pleasant		
			999	9	Balance of county		
	016	033	1		Passaic		031 0875
			021	4	Clifton		
			057	6	Hawthorne		
			073	6	Little Falls township		
			111	4	Passaic		
			112	3	Paterson		
			122	6	Pompton Lakes		
			130	6	Ringwood		
			148	6	Totowa		
			158	6	Wanaque		
			160	5	Wayne township		
			167	6	West Paterson		
			999	9	Balance of county		
	017	313	1		Salem		033 9160
	018	188	1		Somerset		035 5015
			012	5	Bridgewater township		
			042	5	Franklin township		
			080	6	Manville		
			101	6	North Plainfield		
			140	6	Somerville		
			999	9	Balance of county		
	019	207	1		Sussex		037 5640
			063	6	Hopatcong		
			999	9	Balance of county		
	020	207	1		Union		039 5640
			008	6	Berkeley Heights township		
			019	6	Clark township		
			023	6	Cranford township		
			035	3	Elizabeth		
			061	6	Hillside township		
			071	5	Linden		
			097	6	New Providence		
			119	5	Plainfield		
			124	5	Rahway		
			132	6	Roselle		
			133	6	Roselle Park		
			137	6	Scotch Plains township		
			144	6	Springfield township		
			145	6	Summit		
			151	4	Union township		
			164	5	Westfield		
			999	9	Balance of county		
	021	007	1		Warren		041 0240
			117	6	Phillipsburg		
			999	9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes				
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
32						New Mexico	35	
	001	005	1			Bernalillo	001	0200
				002	2	Albuquerque		
				999	9	Balance of county		
	002	000	2	999	9	Catron	003	0000
	003	000	2			Chaves	005	0000
				011	5	Roswell		
				999	9	Balance of county		
	004	000	2	999	9	Cibola	006	0000
	005	000	2	999	9	Colfax	007	0000
	006	000	2			Curry	009	0000
				005	5	Clovis		
				999	9	Balance of county		
	007	000	2	999	9	De Baca	011	0000
	008	163	1			Dona Ana	013	4100
				009	5	Las Cruces		
				999	9	Balance of county		
	009	000	2			Eddy	015	0000
				003	6	Artesia		
				004	5	Carlsbad		
				999	9	Balance of county		
	010	000	2	999	9	Grant	017	0000
	011	000	2	999	9	Guadalupe	019	0000
	012	000	2	999	9	Harding	021	0000
	013	000	2	999	9	Hidalgo	023	0000
	014	000	2			Lea	025	0000
				008	5	Hobbs		
				999	9	Balance of county		
	015	000	2	999	9	Lincoln	027	0000
	016	265	1	999	9	Los Alamos	028	7490
	017	000	2	999	9	Luna	029	0000
	018	000	2			McKinley	031	0000
				007	6	Gallup		
				999	9	Balance of county		
	019	000	2	999	9	Mora	033	0000
	020	000	2			Otero	035	0000
				001	6	Alamogordo		
				999	9	Balance of county		
	021	000	2	999	9	Quay	037	0000
	022	000	2	999	9	Rio Arriba	039	0000
	023	000	2	999	9	Roosevelt	041	0000
	024	000	2	999	9	Sandoval	043	0000
	025	000	2			San Juan	045	0000
				006	5	Farmington		
				999	9	Balance of county		
	026	000	2			San Miguel	047	0000
				010	6	Las Vegas		
				999	9	Balance of county		
	027	265	1			Santa Fe	049	7490
				012	5	Santa Fe		
				999	9	Balance of county		
	028	000	2	999	9	Sierra	051	0000
	029	000	2	999	9	Socorro	053	0000
	030	000	2	999	9	Taos	055	0000
	031	000	2	999	9	Torrance	057	0000
	032	000	2	999	9	Union	059	0000
	033	000	2	999	9	Valencia	061	0000



MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes	
St Cnty	MSA	M/NM	City P/S			St Cnty	MSA
33					New York	36	
	001	004	1		Albany		001 0160
				001	3 Albany		
				013	6 Cohoes		
				097	6 Watervliet		
				999	9 Balance of county		
	002	000	2	999	9 Allegany		003 0000
	003	036	1		Broome		007 0960
				007	4 Binghamton		
				021	6 Endicott		
				041	6 Johnson City		
				095	5 Vestal town		
				999	9 Balance of county		
	004	000	2		Cattaraugus		009 0000
				065	6 Olean		
				999	9 Balance of county		
	005	000	2		Cayuga		011 0000
				003	5 Auburn		
				999	9 Balance of county		
	006	140	1		Chautauqua		013 3610
				018	6 Dunkirk		
				023	6 Fredonia		
				040	5 Jamestown		
				999	9 Balance of county		
	007	091	1		Chemung		015 2335
				020	5 Elmira		
				999	9 Balance of county		
	008	000	2	999	9 Chenango		017 0000
	009	000	2		Clinton		019 0000
				073	6 Plattsburgh		
				999	9 Balance of county		
	010	000	2	999	9 Columbia		021 0000
	011	000	2		Cortland		023 0000
				015	6 Cortland		
				999	9 Balance of county		
	012	000	2	999	9 Delaware		025 0000
	013	233	1		Dutchess		027 6460
				006	6 Beacon		
				076	5 Poughkeepsie		
				999	9 Balance of county		
	014	050	1		Erie		029 1280
				010	2 Buffalo		
				016	6 Depew		
				033	6 Hamburg		
				042	6 Kenmore		
				045	6 Lackawanna		
				046	6 Lancaster		
				091	6 Tonawanda		
				099	4 West Seneca town		
				999	9 Balance of county		
	015	000	2	999	9 Essex		031 0000
	016	000	2	999	9 Franklin		033 0000
	017	000	2		Fulton		035 0000
				031	6 Gloversville		
				999	9 Balance of county		
	018	000	2		Genesee		037 0000
				005	6 Batavia		
				999	9 Balance of county		
	019	004	1	999	9 Greene		039 0160
	020	000	2	999	9 Hamilton		041 0000
	021	298	1	999	9 Herkimer		043 8680
	022	000	2		Jefferson		045 0000
				096	5 Watertown		
				999	9 Balance of county		
	023	000	2	999	9 Lewis		049 0000
	024	248	1	999	9 Livingston		051 6840
	025	285	1		Madison		053 8160
				066	6 Oneida		
				999	9 Balance of county		
	026	248	1		Monroe		055 6840
				008	5 Brighton town		
				027	5 Gates town		
				032	4 Greece town		
				036	5 Henrietta town		
				038	4 Irondequoit town		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes

FIPS Codes

St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
33					New York	36	
			072	5	Penfield town		
			079	3	Rochester		
			999	9	Balance of county		
027	004	1			Montgomery	057	0160
			002	6	Amsterdam		
			999	9	Balance of county		
028	201	1			Nassau	059	5380
			019	6	East Rockaway		
			022	6	Floral Park		
			024	5	Freeport		
			026	6	Garden City		
			029	6	Glen Cove		
			035	5	Hempstead		
			049	5	Long Beach		
			050	6	Lynbrook		
			052	6	Massapequa Park		
			055	6	Mineola		
			080	5	Rockville Centre		
			094	5	Valley Stream		
			098	6	Westbury		
			999	9	Balance of county		
029	206	1			New York city		5600
			009	0	Bronx borough, Bronx county	005	
			043	0	Brooklyn borough, Kings county	047	
			060	0	Manhattan borough, New York county	061	
			077	0	Queens borough, Queens county	081	
			078	0	Staten Island borough, Richmond county	085	
030	208	1			Niagara	063	5700
			048	6	Lockport		
			061	4	Niagara Falls		
			063	5	North Tonawanda		
			999	9	Balance of county		
031	298	1			Oneida	065	8680
			081	5	Rome		
			093	4	Utica		
			999	9	Balance of county		
032	285	1			Onondaga	067	8160
			089	3	Syracuse		
			999	9	Balance of county		
033	248	1			Ontario	069	6840
			011	6	Canandaigua		
			028	6	Geneva, part		
			999	9	Balance of county		
034	216	1			Orange	071	5950
			054	6	Middletown		
			058	6	Newburgh		
			999	9	Balance of county		
035	248	1	999	9	Orleans	073	6840
036	285	1			Oswego	075	8160
			025	6	Fulton		
			069	6	Oswego		
			999	9	Balance of county		
037	000	2			Otsego	077	0000
			067	6	Oneonta		
			999	9	Balance of county		
038	206	1			Putnam	079	5600
			012	5	Carmel town		
			999	9	Balance of county		
039	004	1			Rensselaer	083	0160
			092	4	Troy		
			999	9	Balance of county		
040	206	1			Rockland	087	5600
			087	6	Spring Valley		
			088	6	Suffern		
			999	9	Balance of county		
041	000	2			St. Lawrence	089	0000
			053	6	Massena		
			064	6	Ogdensburg		
			075	6	Potsdam		
			999	9	Balance of county		
042	004	1			Saratoga	091	0160
			084	6	Saratoga Springs		
			999	9	Balance of county		
043	004	1			Schenectady	093	0160
			062	6	Niskayuna town		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.				FIPS Codes	
Vital Statistics Codes				St Cnty	MSA
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	
33				New York	36
			082 5	Rotterdam town	
			086 4	Schenectady	
			999 9	Balance of county	
044	000	2	999 9	Schoharie	095 0000
045	000	2	999 9	Schuyler	097 0000
046	000	2		Seneca	099 0000
			028 6	Geneva, part	
			999 9	Balance of county	
047	000	2		Steuben	101 0000
			014 6	Corning	
			037 6	Hornell	
			999 9	Balance of county	
048	201	1		Suffolk	103 5380
			004 6	Babylon	
			047 5	Lindenhurst	
			070 6	Patchogue	
			999 9	Balance of county	
049	000	2	999 9	Sullivan	105 0000
050	036	1	999 9	Tioga	107 0960
051	000	2		Tompkins	109 0000
			039 5	Ithaca	
			999 9	Balance of county	
052	000	2		Ulster	111 0000
			044 6	Kingston	
			999 9	Balance of county	
053	115	1		Warren	113 2975
			030 6	Glens Falls	
			999 9	Balance of county	
054	115	1	999 9	Washington	115 2975
055	248	1		Wayne	117 6840
			057 6	Newark	
			999 9	Balance of county	
056	206	1		Westchester	119 5600
			017 6	Dobbs Ferry	
			034 6	Harrison	
			051 6	Mamaroneck	
			056 4	Mount Vernon	
			059 4	New Rochelle	
			068 6	Ossining	
			071 6	Peekskill	
			074 6	Port Chester	
			083 6	Rye	
			085 6	Scarsdale	
			090 6	Tarrytown	
			100 5	White Plains	
			101 3	Yonkers	
			102 5	Yorktown town	
			999 9	Balance of county	
057	000	2	999 9	Wyoming	121 0000
058	000	2	999 9	Yates	123 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes			FIPS Codes		
St Cnty	MSA M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA
34			North Carolina	37	
001	051	1	Alamance	001	1300
		005 5	Burlington		
		999 9	Balance of county		
002	127	1	Alexander	003	3290
003	000	2	Alleghany	005	0000
004	000	2	Anson	007	0000
005	000	2	Ashe	009	0000
006	000	2	Avery	011	0000
007	000	2	Beaufort	013	0000
008	000	2	Bertie	015	0000
009	000	2	Bladen	017	0000
010	000	2	Brunswick	019	0000
011	017	1	Buncombe	021	0480
		003 4	Asheville		
		999 9	Balance of county		
012	127	1	Burke	023	3290
		021 6	Hickory, part		
		030 6	Morganton		
		999 9	Balance of county		
013	059	1	Cabarrus	025	1520
		009 6	Concord		
		999 9	Balance of county		
014	000	2	Caldwell	027	0000
		026 6	Lenoir		
		999 9	Balance of county		
015	000	2	Camden	029	0000
		012 6	Elizabeth City, part		
		999 9	Balance of county		
016	000	2	Carteret	031	0000
017	000	2	Caswell	033	0000
018	127	1	Catawba	035	3290
		021 6	Hickory, part		
		999 9	Balance of county		
019	000	2	Chatham	037	0000
020	000	2	Cherokee	039	0000
021	000	2	Chowan	041	0000
022	000	2	Clay	043	0000
023	000	2	Cleveland	045	0000
		038 6	Shelby		
		999 9	Balance of county		
024	000	2	Columbus	047	0000
025	000	2	Craven	049	0000
		019 6	Havelock		
		031 6	New Bern		
		999 9	Balance of county		
026	097	1	Cumberland	051	2560
		013 4	Fayetteville		
		999 9	Balance of county		
027	000	2	Currituck	053	0000
028	000	2	Dare	055	0000
029	121	1	Davidson	057	3120
		022 4	High Point, part		
		027 6	Lexington		
		040 6	Thomasville		
		999 9	Balance of county		
030	121	1	Davie	059	3120
031	000	2	Duplin	061	0000
032	238	1	Durham	063	6640
		007 5	Chapel Hill, part		
		010 3	Durham		
		999 9	Balance of county		
033	000	2	Edgecombe	065	0000
		035 5	Rocky Mount, part		
		999 9	Balance of county		
034	121	1	Forsyth	067	3120
		043 3	Winston-Salem		
		999 9	Balance of county		
035	238	1	Franklin	069	6640
036	059	1	Gaston	071	1520
		015 5	Gastonia		
		999 9	Balance of county		
037	000	2	Gates	073	0000
038	000	2	Graham	075	0000
039	000	2	Granville	077	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes				
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
34						North Carolina	37		
	040	000	2	999	9	Greene		079	0000
	041	121	1			Guilford		081	3120
				017	3	Greensboro			
				022	4	High Point, part			
				999	9	Balance of county			
	042	000	2			Halifax		083	0000
				034	6	Roanoke Rapids			
				999	9	Balance of county			
	043	000	2	999	9	Harnett		085	0000
	044	000	2	999	9	Haywood		087	0000
	045	000	2	999	9	Henderson		089	0000
	046	000	2	999	9	Hertford		091	0000
	047	000	2	999	9	Hoke		093	0000
	048	000	2	999	9	Hyde		095	0000
	049	000	2			Iredell		097	0000
				039	6	Statesville			
				999	9	Balance of county			
	050	000	2	999	9	Jackson		099	0000
	051	000	2	999	9	Johnston		101	0000
	052	000	2	999	9	Jones		103	0000
	053	000	2			Lee		105	0000
				037	6	Sanford			
				999	9	Balance of county			
	054	000	2			Lenoir		107	0000
				024	5	Kinston			
				999	9	Balance of county			
	055	059	1	999	9	Lincoln		109	1520
	056	000	2	999	9	McDowell		111	0000
	057	000	2	999	9	Macon		113	0000
	058	000	2	999	9	Madison		115	0000
	059	000	2	999	9	Martin		117	0000
	060	059	1			Mecklenburg		119	1520
				008	2	Charlotte			
				999	9	Balance of county			
	061	000	2	999	9	Mitchell		121	0000
	062	000	2	999	9	Montgomery		123	0000
	063	000	2	999	9	Moore		125	0000
	064	000	2			Nash		127	0000
				035	5	Rocky Mount, part			
				999	9	Balance of county			
	065	314	1			New Hanover		129	9200
				041	5	Wilmington			
				999	9	Balance of county			
	066	000	2	999	9	Northampton		131	0000
	067	139	1			Onslow		133	3605
				023	6	Jacksonville			
				999	9	Balance of county			
	068	238	1			Orange		135	6640
				007	5	Chapel Hill, part			
				999	9	Balance of county			
	069	000	2	999	9	Pamlico		137	0000
	070	000	2			Pasquotank		139	0000
				012	6	Elizabeth City, part			
				999	9	Balance of county			
	071	000	2	999	9	Pender		141	0000
	072	000	2	999	9	Perquimans		143	0000
	073	000	2	999	9	Person		145	0000
	074	000	2			Pitt		147	0000
				018	5	Greenville			
				999	9	Balance of county			
	075	000	2	999	9	Polk		149	0000
	076	121	1			Randolph		151	3120
				002	6	Asheboro			
				022	4	High Point, part			
				999	9	Balance of county			
	077	000	2	999	9	Richmond		153	0000
	078	000	2			Robeson		155	0000
				028	6	Lumberton			
				999	9	Balance of county			
	079	000	2			Rockingham		157	0000
				011	6	Eden			
				033	6	Reidsville			
				999	9	Balance of county			
	080	059	1			Rowan		159	1520
				036	6	Salisbury			

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Vital Statistics Codes					FIPS Codes				
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
34						North Carolina	37		
				999	9	Balance of county			
	081	000	2	999	9	Rutherford	161	0000	
	082	000	2	999	9	Sampson	163	0000	
	083	000	2			Scotland	165	0000	
				025	6	Laurinburg			
				999	9	Balance of county			
	084	000	2			Stanly	167	0000	
				001	6	Albemarle			
				999	9	Balance of county			
	085	121	1	999	9	Stokes	169	3120	
	086	000	2	999	9	Surry	171	0000	
	087	000	2	999	9	Swain	173	0000	
	088	000	2	999	9	Transylvania	175	0000	
	089	000	2	999	9	Tyrrell	177	0000	
	090	059	1			Union	179	1520	
				029	6	Monroe			
				999	9	Balance of county			
	091	000	2			Vance	181	0000	
				020	6	Henderson			
				999	9	Balance of county			
	092	238	1			Wake	183	6640	
				006	6	Cary			
				014	6	Garner			
				032	3	Raleigh			
				999	9	Balance of county			
	093	000	2	999	9	Warren	185	0000	
	094	000	2	999	9	Washington	187	0000	
	095	000	2			Watauga	189	0000	
				004	6	Boone			
				999	9	Balance of county			
	096	000	2			Wayne	191	0000	
				016	5	Goldsboro			
				999	9	Balance of county			
	097	000	2	999	9	Wilkes	193	0000	
	098	000	2			Wilson	195	0000	
				042	5	Wilson			
				999	9	Balance of county			
	099	121	1	999	9	Yadkin	197	3120	
	100	000	2	999	9	Yancey	199	0000	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.					FIPS Codes	
Vital Statistics Codes					St Cnty MSA	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA
35				North Dakota	38	
	001	000	2 999 9	Adams		001 0000
	002	000	2 999 9	Barnes		003 0000
	003	000	2 999 9	Benson		005 0000
	004	000	2 999 9	Billings		007 0000
	005	000	2 999 9	Bottineau		009 0000
	006	000	2 999 9	Bowman		011 0000
	007	000	2 999 9	Burke		013 0000
	008	038	1	Burleigh		015 1010
			001 5	Bismarck		
			999 9	Balance of county		
	009	096	1	Cass		017 2520
			003 4	Fargo		
			008 6	West Fargo		
			999 9	Balance of county		
	010	000	2 999 9	Cavalier		019 0000
	011	000	2 999 9	Dickey		021 0000
	012	000	2 999 9	Divide		023 0000
	013	000	2 999 9	Dunn		025 0000
	014	000	2 999 9	Eddy		027 0000
	015	000	2 999 9	Emmons		029 0000
	016	000	2 999 9	Foster		031 0000
	017	000	2 999 9	Golden Valley		033 0000
	018	116	1	Grand Forks		035 2985
			004 5	Grand Forks		
			999 9	Balance of county		
	019	000	2 999 9	Grant		037 0000
	020	000	2 999 9	Griggs		039 0000
	021	000	2 999 9	Hettinger		041 0000
	022	000	2 999 9	Kidder		043 0000
	023	000	2 999 9	La Moure		045 0000
	024	000	2 999 9	Logan		047 0000
	025	000	2 999 9	McHenry		049 0000
	026	000	2 999 9	McIntosh		051 0000
	027	000	2 999 9	McKenzie		053 0000
	028	000	2 999 9	McLean		055 0000
	029	000	2 999 9	Mercer		057 0000
	030	038	1	Morton		059 1010
			006 6	Mandan		
			999 9	Balance of county		
	031	000	2 999 9	Mountrail		061 0000
	032	000	2 999 9	Nelson		063 0000
	033	000	2 999 9	Oliver		065 0000
	034	000	2 999 9	Pembina		067 0000
	035	000	2 999 9	Pierce		069 0000
	036	000	2 999 9	Ramsey		071 0000
	037	000	2 999 9	Ransom		073 0000
	038	000	2 999 9	Renville		075 0000
	039	000	2 999 9	Richland		077 0000
	040	000	2 999 9	Rolette		079 0000
	041	000	2 999 9	Sargent		081 0000
	042	000	2 999 9	Sheridan		083 0000
	043	000	2 999 9	Sioux		085 0000
	044	000	2 999 9	Slope		087 0000
	045	000	2	Stark		089 0000
			002 6	Dickinson		
			999 9	Balance of county		
	046	000	2 999 9	Steele		091 0000
	047	000	2	Stutsman		093 0000
			005 6	Jamestown		
			999 9	Balance of county		
	048	000	2 999 9	Towner		095 0000
	049	000	2 999 9	Traill		097 0000
	050	000	2 999 9	Walsh		099 0000
	051	000	2	Ward		101 0000
			007 5	Minot		
			999 9	Balance of county		
	052	000	2 999 9	Wells		103 0000
	053	000	2	Williams		105 0000
			009 6	Williston		
			999 9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes	
St Cnty	MSA	M/NM	City	P/S		St Cnty	MSA
36					Ohio	39	
	001	000	2	999 9	Adams		001 0000
	002	169	1		Allen		003 4320
				067 5	Lima		
				999 9	Balance of county		
	003	000	2		Ashland		005 0000
				004 6	Ashland		
				999 9	Balance of county		
	004	000	2		Ashtabula		007 0000
				005 6	Ashtabula		
				033 6	Conneaut		
				999 9	Balance of county		
	005	000	2		Athens		009 0000
				006 6	Athens		
				999 9	Balance of county		
	006	169	1	999 9	Auglaize		011 4320
	007	309	1	999 9	Belmont		013 9000
	008	000	2	999 9	Brown		015 0000
	009	124	1		Butler		017 3200
				047 5	Fairfield		
				060 4	Hamilton		
				081 5	Middletown		
				096 6	Oxford		
				999 9	Balance of county		
	010	053	1	999 9	Carroll		019 1320
	011	000	2		Champaign		021 0000
				130 6	Urbana		
				999 9	Balance of county		
	012	078	1		Clark		023 2000
				118 4	Springfield		
				999 9	Balance of county		
	013	065	1	999 9	Clermont		025 1640
	014	000	2		Clinton		027 0000
				145 6	Wilmington		
				999 9	Balance of county		
	015	000	2		Columbiana		029 0000
				042 6	East Liverpool		
				108 6	Salem		
				999 9	Balance of county		
	016	000	2		Coshocton		031 0000
				034 6	Coshocton		
				999 9	Balance of county		
	017	000	2		Crawford		033 0000
				022 6	Bucyrus		
				055 6	Galion		
				999 9	Balance of county		
	018	067	1		Cuyahoga		035 1680
				009 6	Bay Village		
				011 6	Bedford		
				012 6	Bedford Heights		
				014 6	Berea		
				017 6	Brecksville		
				018 6	Broadview Heights		
				019 6	Brooklyn		
				020 5	Brook Park		
				030 1	Cleveland		
				031 4	Cleveland Heights		
				040 5	East Cleveland		
				045 4	Euclid		
				048 6	Fairview Park		
				056 5	Garfield Heights		
				065 4	Lakewood		
				069 6	Lyndhurst		
				071 5	Maple Heights		
				076 6	Mayfield Heights		
				080 6	Middleburg Heights		
				089 5	North Olmsted		
				091 6	North Royalton		
				098 4	Parma		
				099 6	Parma Heights		
				106 6	Richmond Heights		
				107 6	Rocky River		
				110 6	Seven Hills		
				111 5	Shaker Heights		
				115 6	Solon		



MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
36				Ohio	39
			116 5	South Euclid	
			121 5	Strongsville	
			128 6	University Heights	
			136 6	Warrensville Heights	
			140 6	Westlake	
			999 9	Balance of county	
019	000	2		Darke	037 0000
			058 6	Greenville	
			999 9	Balance of county	
020	000	2		Defiance	039 0000
			037 6	Defiance	
			999 9	Balance of county	
021	072	1		Delaware	041 1840
			038 6	Delaware	
			139 6	Westerville, part	
			999 9	Balance of county	
022	000	2		Erie	043 0000
			109 5	Sandusky	
			133 6	Vermilion, part	
			999 9	Balance of county	
023	072	1		Fairfield	045 1840
			032 1	Columbus, part	
			066 5	Lancaster	
			105 6	Reynoldsburg, part	
			999 9	Balance of county	
024	000	2		Fayette	047 0000
			137 6	Washington	
			999 9	Balance of county	
025	072	1		Franklin	049 1840
			015 6	Bexley	
			032 1	Columbus, part	
			054 6	Gahanna	
			059 6	Grove City	
			105 6	Reynoldsburg, part	
			129 5	Upper Arlington	
			139 6	Westerville, part	
			141 6	Whitehall	
			147 6	Worthington	
			999 9	Balance of county	
026	291	1	999 9	Fulton	051 8400
027	000	2	999 9	Gallia	053 0000
028	067	1	999 9	Geauga	055 1680
029	078	1		Greene	057 2000
			010 5	Beavercreek	
			036 3	Dayton, part	
			046 5	Fairborn	
			148 6	Xenia	
			999 9	Balance of county	
030	000	2		Guernsey	059 0000
			023 6	Cambridge	
			999 9	Balance of county	
031	065	1		Hamilton	061 1640
			028 2	Cincinnati	
			050 6	Forest Park	
			082 6	Montgomery	
			088 6	North College Hill	
			094 5	Norwood	
			104 6	Reading	
			112 6	Sharonville	
			117 6	Springdale	
			999 9	Balance of county	
032	000	2		Hancock	063 0000
			049 5	Findlay	
			051 6	Fostoria, part	
			999 9	Balance of county	
033	000	2	999 9	Hardin	065 0000
034	000	2	999 9	Harrison	067 0000
035	000	2	999 9	Henry	069 0000
036	000	2	999 9	Highland	071 0000
037	000	2	999 9	Hocking	073 0000
038	000	2	999 9	Holmes	075 0000
039	000	2		Huron	077 0000
			093 6	Norwalk	
			999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
36					Ohio	39
040	000	2	999	9	Jackson	079 0000
041	283	1			Jefferson	081 8080
			119	5	Steubenville	
			999	9	Balance of county	
042	000	2			Knox	083 0000
			083	6	Mount Vernon	
			999	9	Balance of county	
043	067	1			Lake	085 1680
			041	6	Eastlake	
			078	5	Mentor	
			097	6	Painesville	
			142	6	Wickliffe	
			143	6	Willoughby	
			144	6	Willowick	
			999	9	Balance of county	
044	131	1			Lawrence	087 3400
			062	6	Ironton	
			999	9	Balance of county	
045	072	1			Licking	089 1840
			084	5	Newark	
			105	6	Reynoldsburg, part	
			999	9	Balance of county	
046	000	2			Logan	091 0000
			013	6	Bellefontaine	
			999	9	Balance of county	
047	173	1			Lorain	093 4440
			003	6	Amherst	
			007	6	Avon Lake	
			043	4	Elyria	
			068	4	Lorain	
			090	6	North Ridgeville	
			113	6	Sheffield Lake	
			133	6	Vermilion, part	
			999	9	Balance of county	
048	291	1			Lucas	095 8400
			075	6	Maumee	
			095	6	Oregon	
			123	6	Sylvania	
			126	2	Toledo	
			999	9	Balance of county	
049	072	1			Madison	097 1840
050	318	1			Mahoning	099 9320
			002	6	Alliance, part	
			024	6	Campbell	
			122	6	Struthers	
			149	3	Youngstown, part	
			999	9	Balance of county	
051	000	2			Marion	101 0000
			073	5	Marion	
			999	9	Balance of county	
052	067	1			Medina	103 1680
			021	5	Brunswick	
			077	6	Medina	
			134	6	Wadsworth	
			999	9	Balance of county	
053	000	2			Meigs	105 0000
054	000	2			Mercer	107 0000
055	078	1			Miami	109 2000
			101	6	Piqua	
			127	6	Troy	
			999	9	Balance of county	
056	000	2			Monroe	111 0000
057	078	1			Montgomery	113 2000
			026	6	Centerville	
			036	3	Dayton, part	
			044	6	Englewood	
			061	5	Huber Heights	
			064	4	Kettering	
			079	6	Miamisburg	
			131	6	Vandalia	
			138	6	West Carrollton	
			999	9	Balance of county	
058	000	2			Morgan	115 0000
059	000	2			Morrow	117 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.				Vital Statistics Codes		FIPS Codes	
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
36						Ohio	39
	060	000	2			Muskingum	119 0000
				150	5	Zanesville	
				999	9	Balance of county	
	061	000	2	999	9	Noble	121 0000
	062	000	2	999	9	Ottawa	123 0000
	063	000	2	999	9	Paulding	125 0000
	064	000	2	999	9	Perry	127 0000
	065	072	1			Pickaway	129 1840
				029	6	Circleville	
				999	9	Balance of county	
	066	000	2	999	9	Pike	131 0000
	067	002	1			Portage	133 0080
				063	5	Kent	
				103	6	Ravenna	
				999	9	Balance of county	
	068	000	2	999	9	Preble	135 0000
	069	000	2	999	9	Putnam	137 0000
	070	181	1			Richland	139 4800
				070	4	Mansfield	
				999	9	Balance of county	
	071	000	2			Ross	141 0000
				027	6	Chillicothe	
				999	9	Balance of county	
	072	000	2			Sandusky	143 0000
				053	6	Fremont	
				999	9	Balance of county	
	073	000	2			Scioto	145 0000
				102	5	Portsmouth	
				999	9	Balance of county	
	074	000	2			Seneca	147 0000
				051	6	Fostoria, part	
				125	6	Tiffin	
				999	9	Balance of county	
	075	000	2			Shelby	149 0000
				114	6	Sidney	
				999	9	Balance of county	
	076	053	1			Stark	151 1320
				002	6	Alliance, part	
				025	4	Canton	
				074	5	Massillon	
				087	6	North Canton	
				999	9	Balance of county	
	077	002	1			Summit	153 0080
				001	3	Akron	
				008	5	Barberton	
				035	5	Cuyahoga Falls	
				092	6	Norton	
				120	5	Stow	
				124	6	Tallmadge	
				999	9	Balance of county	
	078	318	1			Trumbull	155 9320
				057	6	Girard	
				086	6	Niles	
				135	4	Warren	
				149	3	Youngstown, part	
				999	9	Balance of county	
	079	000	2			Tuscarawas	157 0000
				039	6	Dover	
				085	6	New Philadelphia	
				999	9	Balance of county	
	080	072	1	999	9	Union	159 1840
	081	000	2			Van Wert	161 0000
				132	6	Van Wert	
				999	9	Balance of county	
	082	000	2	999	9	Vinton	163 0000
	083	065	1			Warren	165 1640
				052	6	Franklin	
				999	9	Balance of county	
	084	221	1			Washington	167 6020
				072	6	Marietta	
				999	9	Balance of county	
	085	000	2			Wayne	169 0000
				146	6	Wooster	
				999	9	Balance of county	

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
36						Ohio	39
	086	000	2	999	9	Williams	171 0000
	087	291	1			Wood	173 8400
				016	5	Bowling Green	
				051	6	Fostoria, part	
				100	6	Perrysburg	
				999	9	Balance of county	
	088	000	2	999	9	Wyandot	175 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
37				Oklahoma	40
001	000	2	999 9	Adair	001 0000
002	000	2	999 9	Alfalfa	003 0000
003	000	2	999 9	Atoka	005 0000
004	000	2	999 9	Beaver	007 0000
005	000	2	999 9	Beckham	009 0000
006	000	2	999 9	Blaine	011 0000
007	000	2		Bryan	013 0000
			011 6	Durant	
			999 9	Balance of county	
008	000	2	999 9	Caddo	015 0000
009	213	1		Canadian	017 5880
			013 6	El Reno	
			023 2	Oklahoma City, part	
			033 6	Yukon	
			999 9	Balance of county	
010	000	2		Carter	019 0000
			003 6	Ardmore	
			999 9	Balance of county	
011	000	2	999 9	Cherokee	021 0000
012	000	2	999 9	Choctaw	023 0000
013	000	2	999 9	Cimarron	025 0000
014	213	1		Cleveland	027 5880
			020 5	Moore	
			022 4	Norman	
			023 2	Oklahoma City, part	
			999 9	Balance of county	
015	000	2	999 9	Coal	029 0000
016	166	1		Comanche	031 4200
			016 4	Lawton	
			999 9	Balance of county	
017	000	2	999 9	Cotton	033 0000
018	000	2	999 9	Craig	035 0000
019	295	1		Creek	037 8560
			027 6	Sapulpa	
			999 9	Balance of county	
020	000	2	999 9	Custer	039 0000
021	000	2	999 9	Delaware	041 0000
022	000	2	999 9	Dewey	043 0000
023	000	2	999 9	Ellis	045 0000
024	092	1		Garfield	047 2340
			014 4	Enid	
			999 9	Balance of county	
025	000	2	999 9	Garvin	049 0000
026	000	2		Grady	051 0000
			007 6	Chickasha	
			999 9	Balance of county	
027	000	2	999 9	Grant	053 0000
028	000	2	999 9	Greer	055 0000
029	000	2	999 9	Harmon	057 0000
030	000	2	999 9	Harper	059 0000
031	000	2	999 9	Haskell	061 0000
032	000	2	999 9	Hughes	063 0000
033	000	2		Jackson	065 0000
			002 6	Altus	
			999 9	Balance of county	
034	000	2	999 9	Jefferson	067 0000
035	000	2	999 9	Johnston	069 0000
036	000	2		Kay	071 0000
			025 5	Ponca City	
			999 9	Balance of county	
037	000	2	999 9	Kingfisher	073 0000
038	000	2	999 9	Kiowa	075 0000
039	000	2	999 9	Latimer	077 0000
040	000	2	999 9	Le Flore	079 0000
041	000	2	999 9	Lincoln	081 0000
042	213	1		Logan	083 5880
			015 6	Guthrie	
			999 9	Balance of county	
043	000	2	999 9	Love	085 0000
044	213	1		McClain	087 5880
			023 2	Oklahoma City, part	
			999 9	Balance of county	
045	000	2	999 9	McCurtain	089 0000
046	000	2	999 9	McIntosh	091 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
37				Oklahoma	40
	047	000	2 999 9	Major	093 0000
	048	000	2 999 9	Marshall	095 0000
	049	000	2 999 9	Mayes	097 0000
	050	000	2 999 9	Murray	099 0000
	051	000	2	Muskogee	101 0000
			021 5	Muskogee	
			999 9	Balance of county	
	052	000	2 999 9	Noble	103 0000
	053	000	2 999 9	Nowata	105 0000
	054	000	2 999 9	Okfuskee	107 0000
	055	213	1	Oklahoma	109 5880
			005 6	Bethany	
			009 5	Del City	
			012 5	Edmond	
			019 5	Midwest City	
			023 2	Oklahoma City, part	
			030 6	The Village	
			999 9	Balance of county	
	056	000	2	Okmulgee	111 0000
			024 6	Okmulgee	
			999 9	Balance of county	
	057	295	1	Osage	113 8560
			004 5	Bartlesville, part	
			026 6	Sand Springs, part	
			031 2	Tulsa, part	
			999 9	Balance of county	
	058	000	2	Ottawa	115 0000
			018 6	Miami	
			999 9	Balance of county	
	059	000	2 999 9	Pawnee	117 0000
	060	000	2 999 9	Payne	119 0000
			029 5	Stillwater	
			999 9	Balance of county	
	061	000	2	Pittsburg	121 0000
			017 6	McAlester	
			999 9	Balance of county	
	062	000	2	Pontotoc	123 0000
			001 6	Ada	
			999 9	Balance of county	
	063	213	1	Pottawatomie	125 5880
			023 2	Oklahoma City, part	
			028 5	Shawnee	
			999 9	Balance of county	
	064	000	2 999 9	Pushmataha	127 0000
	065	000	2 999 9	Roger Mills	129 0000
	066	295	1	Rogers	131 8560
			008 6	Claremore	
			999 9	Balance of county	
	067	000	2 999 9	Seminole	133 0000
	068	106	1 999 9	Sequoyah	135 2720
	069	000	2	Stephens	137 0000
			010 6	Duncan	
			999 9	Balance of county	
	070	000	2 999 9	Texas	139 0000
	071	000	2 999 9	Tillman	141 0000
	072	295	1	Tulsa	143 8560
			006 5	Broken Arrow, part	
			026 6	Sand Springs, part	
			031 2	Tulsa, part	
			999 9	Balance of county	
	073	295	1	Wagoner	145 8560
			006 5	Broken Arrow, part	
			999 9	Balance of county	
	074	000	2	Washington	147 0000
			004 5	Bartlesville, part	
			999 9	Balance of county	
	075	000	2 999 9	Washita	149 0000
	076	000	2 999 9	Woods	151 0000
	077	000	2	Woodward	153 0000
			032 6	Woodward	
			999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes				
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
38						Oregon	41		
	001	000	2	999	9	Baker		001	0000
	002	000	2			Benton		003	0000
				001	5	Albany, part			
				007	5	Corvallis			
				999	9	Balance of county			
	003	231	1			Clackamas		005	6440
				015	6	Lake Oswego, part			
				019	6	Milwaukie, part			
				021	6	Oregon City			
				023	2	Portland, part			
				028	6	West Linn			
				999	9	Balance of county			
	004	000	2	999	9	Clatsop		007	0000
	005	000	2	999	9	Columbia		009	0000
	006	000	2			Coos		011	0000
				006	6	Coos Bay			
				999	9	Balance of county			
	007	000	2	999	9	Crook		013	0000
	008	000	2	999	9	Curry		015	0000
	009	000	2			Deschutes		017	0000
				004	6	Bend			
				999	9	Balance of county			
	010	000	2			Douglas		019	0000
				024	6	Roseburg			
				999	9	Balance of county			
	011	000	2	999	9	Gilliam		021	0000
	012	000	2	999	9	Grant		023	0000
	013	000	2	999	9	Harney		025	0000
	014	000	2	999	9	Hood River		027	0000
	015	183	1			Jackson		029	4890
				002	6	Ashland			
				018	5	Medford			
				999	9	Balance of county			
	016	000	2	999	9	Jefferson		031	0000
	017	000	2			Josephine		033	0000
				010	6	Grants Pass			
				999	9	Balance of county			
	018	000	2			Klamath		035	0000
				013	6	Klamath Falls			
				999	9	Balance of county			
	019	000	2	999	9	Lake		037	0000
	020	094	1			Lane		039	2400
				008	3	Eugene			
				026	5	Springfield			
				999	9	Balance of county			
	021	000	2	999	9	Lincoln		041	0000
	022	000	2			Linn		043	0000
				001	5	Albany, part			
				016	6	Lebanon			
				999	9	Balance of county			
	023	000	2	999	9	Malheur		045	0000
	024	255	1			Marion		047	7080
				025	4	Salem, part			
				029	6	Woodburn			
				999	9	Balance of county			
	025	000	2	999	9	Morrow		049	0000
	026	231	1			Multnomah		051	6440
				011	5	Gresham			
				015	6	Lake Oswego, part			
				019	6	Milwaukie, part			
				023	2	Portland, part			
				999	9	Balance of county			
	027	255	1			Polk		053	7080
				025	4	Salem, part			
				999	9	Balance of county			
	028	000	2	999	9	Sherman		055	0000
	029	000	2	999	9	Tillamook		057	0000
	030	000	2			Umatilla		059	0000
				022	6	Pendleton			
				999	9	Balance of county			
	031	000	2			Union		061	0000
				014	6	La Grande			
				999	9	Balance of county			
	032	000	2	999	9	Wallowa		063	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
38					Oregon	41	
	033	000	2		Wasco		065 0000
				005 6	City of the Dalles		
				999 9	Balance of county		
	034	231	1		Washington		067 6440
				003 5	Beaverton		
				009 6	Forest Grove		
				012 5	Hillsboro		
				015 6	Lake Oswego, part		
				023 2	Portland, part		
				027 6	Tigard		
				999 9	Balance of county		
	035	000	2	999 9	Wheeler		069 0000
	036	231	1		Yamhill		071 6440
				017 6	McMinnville		
				020 6	Newberg		
				999 9	Balance of county		



MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes			
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
39					Pennsylvania	42	
	001	317	1	999	9 Adams		001 9280
	002	228	1		Allegheny		003 6280
			006	6	Baldwin		
			008	6	Bellevue		
			011	5	Bethel Park		
			015	6	Brentwood		
			022	6	Carnegie		
			023	6	Castle Shannon		
			027	6	Clairton		
			033	6	Dormont		
			035	6	Duquesne		
			039	6	Elizabeth township		
			047	6	Harrison township		
			069	5	McCandless township		
			070	5	McKeesport		
			079	5	Monroeville		
			080	5	Mount Lebanon township		
			082	6	Munhall		
			092	6	North Versailles township		
			095	4	Penn Hills township		
			098	2	Pittsburgh		
			099	5	Plum		
			106	5	Ross township		
			108	6	Scott township		
			110	5	Shaler township		
			113	6	South Park township		
			122	6	Swissvale		
			131	6	Upper St. Clair township		
			138	5	West Mifflin		
			140	6	Whitehall		
			144	6	Wilkinsburg		
			999	9	Balance of county		
	003	000	2	999	9 Armstrong		005 0000
	004	030	1		Beaver		007 0845
			002	6	Aliquippa		
			007	6	Beaver Falls		
			999	9	Balance of county		
	005	000	2	999	9 Bedford		009 0000
	006	240	1		Berks		011 6680
			081	6	Muhlenberg township		
			104	4	Reading		
			999	9	Balance of county		
	007	008	1		Blair		013 0280
			004	4	Altoona		
			999	9	Balance of county		
	008	000	2	999	9 Bradford		015 0000
	009	225	1		Bucks		017 6160
			009	4	Bensalem township		
			016	6	Bristol		
			017	4	Bristol township		
			043	5	Falls township		
			068	6	Lower Southampton township		
			075	5	Middletown township		
			090	5	Northampton township		
			132	6	Upper Southampton township		
			133	5	Warminster township		
			999	9	Balance of county		
	010	000	2		Butler		019 0000
			018	6	Butler		
			999	9	Balance of county		
	011	144	1		Cambria		021 3680
			054	5	Johnstown		
			999	9	Balance of county		
	012	000	2	999	9 Cameron		023 0000
	013	007	1	999	9 Carbon		025 0240
	014	282	1		Centre		027 8050
			118	5	State College		
			999	9	Balance of county		
	015	225	1		Chester		029 6160
			028	6	Coatesville		
			097	6	Phoenixville		
			124	6	Tredyffrin township		
			136	6	West Chester		
			137	6	West Goshen township		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA
39				Pennsylvania		42
			999 9	Balance of county		
016	000	2	999 9	Clarion	031	0000
017	000	2	999 9	Clearfield	033	0000
018	000	2	999 9	Clinton	035	0000
019	269	1		Columbia	037	7560
			010 6	Berwick		
			013 6	Bloomsburg		
			999 9	Balance of county		
020	000	2		Crawford	039	0000
			073 6	Meadville		
			999 9	Balance of county		
021	125	1		Cumberland	041	3240
			021 6	Carlisle		
			038 6	East Pennsboro township		
			062 6	Lower Allen township		
			999 9	Balance of county		
022	125	1		Dauphin	043	3240
			046 4	Harrisburg		
			066 5	Lower Paxton township		
			074 6	Middletown		
			120 6	Susquehanna township		
			121 6	Swatara township		
			999 9	Balance of county		
023	225	1		Delaware	045	6160
			005 6	Aston township		
			026 5	Chester		
			031 6	Darby		
			032 6	Darby township		
			049 4	Haverford township		
			059 6	Lansdowne		
			072 6	Marple township		
			076 6	Middletown township		
			085 6	Nether Providence township		
			088 6	Newtown township		
			103 5	Radnor township		
			105 5	Ridley township		
			115 5	Springfield township		
			126 6	Upper Chichester township		
			127 4	Upper Darby township		
			146 6	Yeadon		
			999 9	Balance of county		
024	000	2	999 9	Elk	047	0000
025	093	1		Erie	049	2360
			042 3	Erie		
			077 5	Millcreek township		
			999 9	Balance of county		
026	228	1		Fayette	051	6280
			030 6	Connellsville		
			125 6	Uniontown		
			999 9	Balance of county		
027	000	2	999 9	Forest	053	0000
028	000	2		Franklin	055	0000
			024 6	Chambersburg		
			999 9	Balance of county		
029	000	2	999 9	Fulton	057	0000
030	000	2	999 9	Greene	059	0000
031	000	2	999 9	Huntingdon	061	0000
032	000	2		Indiana	063	0000
			052 6	Indiana		
			999 9	Balance of county		
033	000	2	999 9	Jefferson	065	0000
034	000	2	999 9	Juniata	067	0000
035	269	1		Lackawanna	069	7560
			020 6	Carbondale		
			034 6	Dunmore		
			109 4	Scranton		
			999 9	Balance of county		
036	160	1		Lancaster	071	4000
			029 6	Columbia		
			041 6	Ephrata		
			056 4	Lancaster		
			057 6	Lancaster township		
			071 5	Manheim township		
			999 9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes			
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
39						Pennsylvania	42		
	037	000	2			Lawrence		073	0000
				086	5	New Castle			
				999	9	Balance of county			
	038	125	1			Lebanon		075	3240
				061	5	Lebanon			
				999	9	Balance of county			
	039	007	1			Lehigh		077	0240
				003	3	Allentown			
				012	4	Bethlehem, part			
				040	6	Emmaus			
				107	6	Salisbury township			
				141	6	Whitehall township			
				999	9	Balance of county			
	040	269	1			Luzerne		079	7560
				050	5	Hazleton			
				055	6	Kingston			
				084	6	Nanticoke			
				143	4	Wilkes-Barre			
				999	9	Balance of county			
	041	312	1			Lycoming		081	9140
				145	5	Williamsport			
				999	9	Balance of county			
	042	000	2			McKean		083	0000
				014	6	Bradford			
				999	9	Balance of county			
	043	271	1			Mercer		085	7610
				112	6	Sharon			
				999	9	Balance of county			
	044	000	2			Mifflin		087	0000
	045	269	1			Monroe		089	7560
	046	225	1			Montgomery		091	6160
				001	4	Abington township			
				025	5	Cheltenham township			
				036	6	East Norriton township			
				048	6	Hatfield township			
				058	6	Lansdale			
				064	4	Lower Merion township			
				065	6	Lower Moreland township			
				067	6	Lower Providence township			
				089	5	Norristown			
				100	6	Plymouth township			
				101	6	Pottstown			
				116	5	Springfield township			
				123	6	Towamencin township			
				128	6	Upper Dublin township			
				129	5	Upper Merion township			
				130	5	Upper Moreland township			
				139	6	West Norriton township			
				142	6	Whitemarsh township			
				999	9	Balance of county			
	047	000	2			Montour		093	0000
	048	007	1			Northampton		095	0240
				012	4	Bethlehem, part			
				037	5	Easton			
				094	6	Palmer township			
				999	9	Balance of county			
	049	000	2			Northumberland		097	0000
				111	6	Shamokin			
				119	6	Sunbury			
				999	9	Balance of county			
	050	125	1			Perry		099	3240
	051	225	1			Philadelphia, coext. with Philadelphia city		101	6160
	052	000	2			Pike		103	0000
	053	000	2			Potter		105	0000
	054	000	2			Schuylkill		107	0000
				102	6	Pottsville			
				999	9	Balance of county			
	055	000	2			Snyder		109	0000
	056	144	1			Somerset		111	3680
	057	000	2			Sullivan		113	0000
	058	000	2			Susquehanna		115	0000
	059	000	2			Tioga		117	0000
	060	000	2			Union		119	0000
	061	000	2			Venango		121	0000
				093	6	Oil City			

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes					
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
39						Pennsylvania	42		
				999	9	Balance of county			
062	000	2				Warren	123	0000	
				134	6	Warren			
				999	9	Balance of county			
063	228	1				Washington	125	6280	
				019	6	Canonsburg			
				135	6	Washington			
				999	9	Balance of county			
064	000	2		999	9	Wayne	127	0000	
065	228	1				Westmoreland	129	6280	
				044	6	Greensburg			
				051	5	Hempfield township			
				053	6	Jeannette			
				060	6	Latrobe			
				063	6	Lower Burrell			
				078	6	Monessen			
				083	6	Municipality of Murrysville			
				087	6	New Kensington			
				091	5	North Huntingdon township			
				999	9	Balance of county			
066	269	1		999	9	Wyoming	131	7560	
067	317	1				York	133	9280	
				045	6	Hanover			
				114	6	Springettsbury township			
				117	6	Spring Garden township			
				147	5	York			
				999	9	Balance of county			

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes	
St	Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
40					Rhode Island	44
	001	234	1		Bristol	001 6483
				001	6 Barrington town	
				002	6 Bristol town	
				014	6 Warren town	
				999	9 Balance of county	
	002	234	1		Kent	003 6483
				004	5 Coventry town	
				015	4 Warwick	
				016	5 West Warwick town	
				999	9 Balance of county	
	003	000	2		Newport	005 0000
				009	6 Middletown town	
				010	5 Newport	
				999	9 Balance of county	
	004	234	1		Providence	007 6483
				003	6 Central Falls	
				005	4 Cranston	
				006	5 Cumberland town	
				007	4 East Providence	
				008	6 Johnston town	
				011	5 North Providence town	
				012	4 Pawtucket	
				013	3 Providence	
				017	5 Woonsocket	
				999	9 Balance of county	
	005	234	1	999	9 Washington	009 6483

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes			
St	Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St	Cnty	MSA
41					South Carolina	45		
	001	000	2	999 9	Abbeville		001	0000
	002	021	1		Aiken		003	0600
				001 6	Aiken			
				019 6	North Augusta			
				999 9	Balance of county			
	003	000	2	999 9	Allendale		005	0000
	004	013	1		Anderson		007	0405
				002 5	Anderson			
				999 9	Balance of county			
	005	000	2	999 9	Bamberg		009	0000
	006	000	2	999 9	Barnwell		011	0000
	007	000	2	999 9	Beaufort		013	0000
	008	057	1		Berkeley		015	1440
				011 6	Goose Creek			
				015 6	Hanahan			
				999 9	Balance of county			
	009	000	2	999 9	Calhoun		017	0000
	010	057	1		Charleston		019	1440
				004 4	Charleston			
				017 6	Mount Pleasant			
				020 4	North Charleston			
				999 9	Balance of county			
	011	000	2		Cherokee		021	0000
				009 6	Gaffney			
				999 9	Balance of county			
	012	000	2	999 9	Chester		023	0000
	013	000	2	999 9	Chesterfield		025	0000
	014	000	2	999 9	Clarendon		027	0000
	015	000	2	999 9	Colleton		029	0000
	016	000	2	999 9	Darlington		031	0000
	017	000	2	999 9	Dillon		033	0000
	018	057	1	999 9	Dorchester		035	1440
	019	000	2	999 9	Edgefield		037	0000
	020	000	2	999 9	Fairfield		039	0000
	021	101	1		Florence		041	2655
				008 5	Florence			
				999 9	Balance of county			
	022	000	2		Georgetown		043	0000
				010 6	Georgetown			
				999 9	Balance of county			
	023	122	1		Greenville		045	3160
				012 4	Greenville			
				014 6	Greer, part			
				999 9	Balance of county			
	024	000	2		Greenwood		047	0000
				013 6	Greenwood			
				999 9	Balance of county			
	025	000	2	999 9	Hampton		049	0000
	026	000	2		Horry		051	0000
				006 6	Conway			
				018 6	Myrtle Beach			
				999 9	Balance of county			
	027	000	2	999 9	Jasper		053	0000
	028	000	2	999 9	Kershaw		055	0000
	029	000	2	999 9	Lancaster		057	0000
	030	000	2		Laurens		059	0000
				016 6	Laurens			
				999 9	Balance of county			
	031	000	2	999 9	Lee		061	0000
	032	070	1		Lexington		063	1760
				003 6	Cayce			
				026 6	West Columbia			
				999 9	Balance of county			
	033	000	2	999 9	McCormick		065	0000
	034	000	2	999 9	Marion		067	0000
	035	000	2	999 9	Marlboro		069	0000
	036	000	2	999 9	Newberry		071	0000
	037	000	2	999 9	Oconee		073	0000
	038	000	2		Orangeburg		075	0000
				021 6	Orangeburg			
				999 9	Balance of county			
	039	122	1		Pickens		077	3160
				007 6	Easley			
				999 9	Balance of county			

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes	
Vital Statistics Codes						St Cnty MSA	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
41					South Carolina	45	
	040	070	1		Richland	079	1760
				005	Columbia		
				999	Balance of county		
	041	000	2	999	Saluda	081	0000
	042	122	1		Spartanburg	083	3160
				014	Greer, part		
				023	Spartanburg		
				999	Balance of county		
	043	000	2		Sumter	085	0000
				024	Sumter		
				999	Balance of county		
	044	000	2		Union	087	0000
				025	Union		
				999	Balance of county		
	045	000	2	999	Williamsburg	089	0000
	046	059	1		York	091	1520
				022	Rock Hill		
				999	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					State, County, City, or Country Name	FIPS Codes	
St Cnty	MSA	M/NM	City	P/S		St Cnty	MSA
42					South Dakota	46	
	001	000	2	999	9		003 0000
	002	000	2				005 0000
				003	6		
				999	9		
	003	000	2	999	9		007 0000
	004	000	2	999	9		009 0000
	005	000	2				011 0000
				002	6		
				999	9		
	006	000	2				013 0000
				001	5		
				999	9		
	007	000	2	999	9		015 0000
	008	000	2	999	9		017 0000
	009	000	2	999	9		019 0000
	010	000	2	999	9		021 0000
	011	000	2	999	9		023 0000
	012	000	2	999	9		025 0000
	013	000	2				027 0000
				008	6		
				999	9		
	014	000	2				029 0000
				009	6		
				999	9		
	015	000	2	999	9		031 0000
	016	000	2	999	9		033 0000
	017	000	2				035 0000
				004	6		
				999	9		
	018	000	2	999	9		037 0000
	019	000	2	999	9		039 0000
	020	000	2	999	9		041 0000
	021	000	2	999	9		043 0000
	022	000	2	999	9		045 0000
	023	000	2	999	9		047 0000
	024	000	2	999	9		049 0000
	025	000	2	999	9		051 0000
	026	000	2	999	9		053 0000
	027	000	2	999	9		055 0000
	028	000	2	999	9		057 0000
	029	000	2	999	9		059 0000
	030	000	2	999	9		061 0000
	031	000	2	999	9		063 0000
	032	000	2				065 0000
				005	6		
				999	9		
	033	000	2	999	9		067 0000
	034	000	2	999	9		069 0000
	035	000	2	999	9		071 0000
	036	000	2	999	9		073 0000
	037	000	2	999	9		075 0000
	038	000	2	999	9		077 0000
	039	000	2	999	9		079 0000
	040	000	2	999	9		081 0000
	041	000	2				083 0000
				007	4		
				999	9		
	042	000	2	999	9		085 0000
	043	000	2	999	9		087 0000
	044	000	2	999	9		089 0000
	045	000	2	999	9		091 0000
	046	000	2	999	9		093 0000
	047	000	2	999	9		095 0000
	048	000	2	999	9		097 0000
	049	276	1				099 7760
				007	4		
				999	9		
	050	000	2	999	9		101 0000
	051	239	1				103 6660
				006	5		
				999	9		
	052	000	2	999	9		105 0000
	053	000	2	999	9		107 0000
	054	000	2	999	9		109 0000



MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
42					South Dakota	46	
	055	000	2	999	9 Sanborn	111	0000
	056	000	2	999	9 Shannon	113	0000
	057	000	2	999	9 Spink	115	0000
	058	000	2	999	9 Stanley	117	0000
	059	000	2	999	9 Sully	119	0000
	060	000	2	999	9 Todd	121	0000
	061	000	2	999	9 Tripp	123	0000
	062	000	2	999	9 Turner	125	0000
	063	000	2	999	9 Union	127	0000
	064	000	2	999	9 Walworth	129	0000
	065	000	2		Yankton	135	0000
				010	6 Yankton		
				999	9 Balance of county		
	066	000	2	999	9 Ziebach	137	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes					
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
43						Tennessee	47		
	001	152	1			Anderson		001	3840
				031	5	Oak Ridge, part			
				999	9	Balance of county			
	002	000	2			Bedford		003	0000
				034	6	Shelbyville			
				999	9	Balance of county			
	003	000	2			Benton		005	0000
	004	000	2			Bledsoe		007	0000
	005	152	1			Blount		009	3840
				025	6	Maryville			
				999	9	Balance of county			
	006	000	2			Bradley		011	0000
				006	5	Cleveland			
				999	9	Balance of county			
	007	000	2			Campbell		013	0000
	008	000	2			Cannon		015	0000
	009	000	2			Carroll		017	0000
	010	143	1			Carter		019	3660
				011	6	Elizabethton			
				019	5	Johnson City, part			
				999	9	Balance of county			
	011	200	1			Cheatham		021	5360
	012	000	2			Chester		023	0000
	013	000	2			Claiborne		025	0000
	014	000	2			Clay		027	0000
	015	000	2			Cocke		029	0000
	016	000	2			Coffee		031	0000
				036	6	Tullahoma, part			
				999	9	Balance of county			
	017	000	2			Crockett		033	0000
	018	000	2			Cumberland		035	0000
	019	200	1			Davidson		037	5360
				030	2	Nashville-Davidson			
				999	9	Balance of county			
	020	000	2			Decatur		039	0000
	021	000	2			De Kalb		041	0000
	022	200	1			Dickson		043	5360
	023	000	2			Dyer		045	0000
				009	6	Dyersburg			
				999	9	Balance of county			
	024	000	2			Fayette		047	0000
	025	000	2			Fentress		049	0000
	026	000	2			Franklin		051	0000
				036	6	Tullahoma, part			
				999	9	Balance of county			
	027	000	2			Gibson		053	0000
				017	6	Humboldt			
				999	9	Balance of county			
	028	000	2			Giles		055	0000
	029	152	1			Grainger		057	3840
	030	000	2			Greene		059	0000
				015	6	Greeneville			
				999	9	Balance of county			
	031	000	2			Grundy		061	0000
	032	000	2			Hamblen		063	0000
				028	6	Morristown			
				999	9	Balance of county			
	033	061	1			Hamilton		065	1560
				004	3	Chattanooga			
				010	6	East Ridge			
				033	6	Red Bank			
				999	9	Balance of county			
	034	000	2			Hancock		067	0000
	035	000	2			Hardeman		069	0000
	036	000	2			Hardin		071	0000
	037	143	1			Hawkins		073	3660
				020	5	Kingsport, part			
				999	9	Balance of county			
	038	000	2			Haywood		075	0000
	039	000	2			Henderson		077	0000
	040	000	2			Henry		079	0000
				032	6	Paris			
				999	9	Balance of county			
	041	000	2			Hickman		081	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.						FIPS Codes	
Vital Statistics Codes						St Cnty	MSA
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
43					Tennessee	47	
042	000	2	999	9	Houston	083	0000
043	000	2	999	9	Humphreys	085	0000
044	000	2	999	9	Jackson	087	0000
045	152	1	999	9	Jefferson	089	3840
046	000	2	999	9	Johnson	091	0000
047	152	1			Knox	093	3840
			021	3	Knoxville		
			999	9	Balance of county		
048	000	2	999	9	Lake	095	0000
049	000	2	999	9	Lauderdale	097	0000
050	000	2			Lawrence	099	0000
			022	6	Lawrenceburg		
			999	9	Balance of county		
051	000	2	999	9	Lewis	101	0000
052	000	2	999	9	Lincoln	103	0000
053	000	2	999	9	Loudon	105	0000
054	000	2			McMinn	107	0000
			001	6	Athens		
			999	9	Balance of county		
055	000	2	999	9	McNairy	109	0000
056	000	2	999	9	Macon	111	0000
057	137	1			Madison	113	3580
			018	5	Jackson		
			999	9	Balance of county		
058	061	1	999	9	Marion	115	1560
059	000	2	999	9	Marshall	117	0000
060	000	2			Maury	119	0000
			007	5	Columbia		
			999	9	Balance of county		
061	000	2	999	9	Meigs	121	0000
062	000	2	999	9	Monroe	123	0000
063	066	1			Montgomery	125	1660
			005	4	Clarksville		
			999	9	Balance of county		
064	000	2	999	9	Moore	127	0000
065	000	2	999	9	Morgan	129	0000
066	000	2			Obion	131	0000
			037	6	Union City		
			999	9	Balance of county		
067	000	2	999	9	Overton	133	0000
068	000	2	999	9	Perry	135	0000
069	000	2	999	9	Pickett	137	0000
070	000	2	999	9	Polk	139	0000
071	000	2			Putnam	141	0000
			008	6	Cookeville		
			999	9	Balance of county		
072	000	2	999	9	Rhea	143	0000
073	000	2			Roane	145	0000
			031	5	Oak Ridge, part		
			999	9	Balance of county		
074	200	1			Robertson	147	5360
			035	6	Springfield		
			999	9	Balance of county		
075	200	1			Rutherford	149	5360
			029	5	Murfreesboro		
			999	9	Balance of county		
076	000	2	999	9	Scott	151	0000
077	061	1	999	9	Sequatchie	153	1560
078	152	1	999	9	Sevier	155	3840
079	185	1			Shelby	157	4920
			002	6	Bartlett		
			014	6	Germantown		
			026	1	Memphis		
			027	6	Millington		
			999	9	Balance of county		
080	000	2	999	9	Smith	159	0000
081	000	2	999	9	Stewart	161	0000
082	143	1			Sullivan	163	3660
			003	6	Bristol		
			020	5	Kingsport, part		
			999	9	Balance of county		
083	200	1			Sumner	165	5360
			013	6	Gallatin		
			016	5	Hendersonville		

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
43					Tennessee	47
			999	9	Balance of county	
084	185	1	999	9	Tipton	167 4920
085	000	2	999	9	Trousdale	169 0000
086	143	1	999	9	Unicoi	171 3660
087	152	1	999	9	Union	173 3840
088	000	2	999	9	Van Buren	175 0000
089	000	2			Warren	177 0000
			024	6	McMinnville	
			999	9	Balance of county	
090	143	1			Washington	179 3660
			019	5	Johnson City, part	
			999	9	Balance of county	
091	000	2	999	9	Wayne	181 0000
092	000	2	999	9	Weakley	183 0000
093	000	2	999	9	White	185 0000
094	200	1			Williamson	187 5360
			012	6	Franklin	
			999	9	Balance of county	
095	200	1			Wilson	189 5360
			023	6	Lebanon	
			999	9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes			
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
44						Texas	48
	001	000	2			Anderson	001 0000
				103	6	Palestine	
				999	9	Balance of county	
	002	000	2			Andrews	003 0000
				005	6	Andrews	
				999	9	Balance of county	
	003	000	2			Angelina	005 0000
				086	5	Lufkin	
				999	9	Balance of county	
	004	000	2			Aransas	007 0000
	005	000	2			Archer	009 0000
				151	4	Wichita Falls, part	
				999	9	Balance of county	
	006	000	2			Armstrong	011 0000
	007	000	2			Atascosa	013 0000
	008	000	2			Austin	015 0000
	009	000	2			Bailey	017 0000
	010	000	2			Bandera	019 0000
	011	000	2			Bastrop	021 0000
	012	000	2			Baylor	023 0000
	013	000	2			Bee	025 0000
				015	6	Beeville	
				999	9	Balance of county	
	014	151	1			Bell	027 3810
				017	6	Belton	
				073	5	Killeen	
				132	5	Temple	
				999	9	Balance of county	
	015	259	1			Bexar	029 7240
				121	1	San Antonio	
				138	6	Universal City	
				999	9	Balance of county	
	016	000	2			Blanco	031 0000
	017	000	2			Borden	033 0000
	018	000	2			Bosque	035 0000
	019	290	1			Bowie	037 8360
				134	5	Texarkana	
				999	9	Balance of county	
	020	045	1			Brazoria	039 1145
				003	6	Alvin	
				006	6	Angleton	
				053	6	Freeport	
				075	6	Lake Jackson	
				107	6	Pearland, part	
				999	9	Balance of county	
	021	049	1			Brazos	041 1260
				025	5	Bryan	
				031	5	College Station	
				999	9	Balance of county	
	022	000	2			Brewster	043 0000
	023	000	2			Briscoe	045 0000
	024	000	2			Brooks	047 0000
	025	000	2			Brown	049 0000
				024	6	Brownwood	
				999	9	Balance of county	
	026	000	2			Burleson	051 0000
	027	000	2			Burnet	053 0000
	028	000	2			Caldwell	055 0000
	029	000	2			Calhoun	057 0000
				114	6	Port Lavaca	
				999	9	Balance of county	
	030	000	2			Callahan	059 0000
	031	048	1			Cameron	061 1240
				023	4	Brownsville	
				063	5	Harlingen	
				122	6	San Benito	
				999	9	Balance of county	
	032	000	2			Camp	063 0000
	033	000	2			Carson	065 0000
	034	000	2			Cass	067 0000
	035	000	2			Castro	069 0000
	036	000	2			Chambers	071 0000
				012	4	Baytown, part	
				999	9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
44				Texas	48
	037	000	2	Cherokee	073 0000
			070 6	Jacksonville	
			999 9	Balance of county	
	038	000	2	Childress	075 0000
	039	000	2	Clay	077 0000
	040	000	2	Cochran	079 0000
	041	000	2	Coke	081 0000
	042	000	2	Coleman	083 0000
	043	075	1	Collin	085 1920
			029 5	Carrollton, part	
			036 1	Dallas, part	
			057 3	Garland, part	
			088 6	McKinney	
			111 4	Plano, part	
			116 4	Richardson, part	
			999 9	Balance of county	
	044	000	2	Collingsworth	087 0000
	045	000	2	Colorado	089 0000
	046	259	1	Comal	091 7240
			099 6	New Braunfels, part	
			999 9	Balance of county	
	047	000	2	Comanche	093 0000
	048	000	2	Concho	095 0000
	049	000	2	Cooke	097 0000
			055 6	Gainesville	
			999 9	Balance of county	
	050	151	1	Coryell	099 3810
			033 6	Copperas Cove	
			999 9	Balance of county	
	051	000	2	Cottle	101 0000
	052	000	2	Crane	103 0000
	053	000	2	Crockett	105 0000
	054	000	2	Crosby	107 0000
	055	000	2	Culberson	109 0000
	056	000	2	Dallam	111 0000
	057	075	1	Dallas	113 1920
			010 6	Balch Springs	
			029 5	Carrollton, part	
			036 1	Dallas, part	
			041 6	De Soto	
			043 5	Duncanville	
			050 6	Farmers Branch	
			057 3	Garland, part	
			058 4	Grand Prairie, part	
			059 6	Grapevine, part	
			069 3	Irving	
			078 6	Lancaster	
			091 4	Mesquite	
			116 4	Richardson, part	
			139 6	University Park	
			999 9	Balance of county	
	058	000	2	Dawson	115 0000
			077 6	Lamesa	
			999 9	Balance of county	
	059	000	2	Deaf Smith	117 0000
			065 6	Hereford	
			999 9	Balance of county	
	060	000	2	Delta	119 0000
	061	075	1	Denton	121 1920
			029 5	Carrollton, part	
			036 1	Dallas, part	
			040 5	Denton	
			083 6	Lewisville	
			111 4	Plano, part	
			136 6	The Colony	
			999 9	Balance of county	
	062	000	2	De Witt	123 0000
	063	000	2	Dickens	125 0000
	064	000	2	Dimmit	127 0000
	065	000	2	Donley	129 0000
	066	000	2	Duval	131 0000
	067	000	2	Eastland	133 0000
	068	212	1	Ector	135 5800
			101 4	Odessa	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes		
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
44					Texas	48	
			999	9	Balance of county		
069	000	2	999	9	Edwards	137	0000
070	075	1			Ellis	139	1920
			048	6	Ennis		
			058	4	Grand Prairie, part		
			146	6	Waxahachie		
			999	9	Balance of county		
071	089	1			El Paso	141	2320
			047	2	El Paso		
			999	9	Balance of county		
072	000	2			Erath	143	0000
			128	6	Stephenville		
			999	9	Balance of county		
073	000	2	999	9	Falls	145	0000
074	000	2	999	9	Fannin	147	0000
075	000	2	999	9	Fayette	149	0000
076	000	2	999	9	Fisher	151	0000
077	000	2	999	9	Floyd	153	0000
078	000	2	999	9	Foard	155	0000
079	130	1			Fort Bend	157	3360
			066	0	Houston, part		
			095	6	Missouri City, part		
			118	6	Rosenberg		
			999	9	Balance of county		
080	000	2	999	9	Franklin	159	0000
081	000	2	999	9	Freestone	161	0000
082	000	2	999	9	Frio	163	0000
083	000	2	999	9	Gaines	165	0000
084	113	1			Galveston	167	2920
			054	6	Friendswood, part		
			056	4	Galveston		
			076	6	La Marque		
			081	6	League City		
			135	5	Texas City		
			999	9	Balance of county		
085	000	2	999	9	Garza	169	0000
086	000	2	999	9	Gillespie	171	0000
087	000	2	999	9	Glasscock	173	0000
088	000	2	999	9	Goliad	175	0000
089	000	2	999	9	Gonzales	177	0000
090	000	2			Gray	179	0000
			104	6	Pampa		
			999	9	Balance of county		
091	273	1			Grayson	181	7640
			039	6	Denison		
			125	5	Sherman		
			999	9	Balance of county		
092	172	1			Gregg	183	4420
			072	6	Kilgore, part		
			084	4	Longview, part		
			999	9	Balance of county		
093	000	2	999	9	Grimes	185	0000
094	259	1			Guadalupe	187	7240
			099	6	New Braunfels, part		
			124	6	Seguin		
			999	9	Balance of county		
095	000	2			Hale	189	0000
			110	6	Plainview		
			999	9	Balance of county		
096	000	2	999	9	Hall	191	0000
097	000	2	999	9	Hamilton	193	0000
098	000	2	999	9	Hansford	195	0000
099	000	2	999	9	Hardeman	197	0000
100	029	1	999	9	Hardin	199	0840
101	130	1			Harris	201	3360
			012	4	Baytown, part		
			016	6	Bellaire		
			037	6	Deer Park		
			054	6	Friendswood, part		
			066	0	Houston, part		
			079	6	La Porte		
			095	6	Missouri City, part		
			106	3	Pasadena		
			107	6	Pearland, part		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
44				Texas	48
			127 6	South Houston	
			149 6	West University Place	
			999 9	Balance of county	
102	172	1		Harrison	203 4420
			084 4	Longview, part	
			089 6	Marshall	
			999 9	Balance of county	
103	000	2	999 9	Hartley	205 0000
104	000	2	999 9	Haske11	207 0000
105	023	1		Hays	209 0640
			123 6	San Marcos	
			999 9	Balance of county	
106	000	2	999 9	Hemphill	211 0000
107	000	2		Henderson	213 0000
			008 6	Athens	
			999 9	Balance of county	
108	182	1		Hidalgo	215 4880
			045 6	Edinburg	
			087 4	McAllen	
			090 6	Mercedes	
			094 6	Mission	
			109 6	Pharr	
			148 6	Westaco	
			999 9	Balance of county	
109	000	2	999 9	Hill	217 0000
110	000	2		Hockley	219 0000
			082 6	Levelland	
			999 9	Balance of county	
111	000	2	999 9	Hood	221 0000
112	000	2		Hopkins	223 0000
			129 6	Sulphur Springs	
			999 9	Balance of county	
113	000	2	999 9	Houston	225 0000
114	000	2		Howard	227 0000
			019 6	Big Spring	
			999 9	Balance of county	
115	000	2	999 9	Hudspeth	229 0000
116	000	2		Hunt	231 0000
			060 6	Greenville	
			999 9	Balance of county	
117	000	2		Hutchinson	233 0000
			020 6	Borger	
			999 9	Balance of county	
118	000	2	999 9	Irion	235 0000
119	000	2	999 9	Jack	237 0000
120	000	2	999 9	Jackson	239 0000
121	000	2	999 9	Jasper	241 0000
122	000	2	999 9	Jeff Davis	243 0000
123	029	1		Jefferson	245 0840
			013 3	Beaumont	
			061 6	Groves	
			098 6	Nederland	
			112 4	Port Arthur	
			115 6	Port Neches	
			999 9	Balance of county	
124	000	2	999 9	Jim Hogg	247 0000
125	000	2		Jim Wells	249 0000
			002 6	Alice	
			999 9	Balance of county	
126	109	1		Johnson	251 2800
			027 6	Burleson, part	
			030 6	Cleburne	
			999 9	Balance of county	
127	000	2		Jones	253 0000
			001 4	Abilene, part	
			999 9	Balance of county	
128	000	2	999 9	Karnes	255 0000
129	075	1		Kaufman	257 1920
			036 1	Dallas, part	
			133 6	Terrell	
			999 9	Balance of county	
130	000	2	999 9	Kendall	259 0000
131	000	2	999 9	Kenedy	261 0000
132	000	2	999 9	Kent	263 0000



MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes	
St Cnty	MSA	M/NM	City P/S			St Cnty	MSA
44				Texas		48	
	133	000	2		Kerr		265 0000
			071 6		Kerrville		
			999 9		Balance of county		
	134	000	2	999 9	Kimble		267 0000
	135	000	2	999 9	King		269 0000
	136	000	2	999 9	Kinney		271 0000
	137	000	2		Kleberg		273 0000
			034 3		Corpus Christi, part		
			074 5		Kingsville		
			999 9		Balance of county		
	138	000	2	999 9	Knox		275 0000
	139	000	2		Lamar		277 0000
			105 5		Paris		
			999 9		Balance of county		
	140	000	2	999 9	Lamb		279 0000
	141	000	2	999 9	Lampasas		281 0000
	142	000	2	999 9	La Salle		283 0000
	143	000	2	999 9	Lavaca		285 0000
	144	000	2	999 9	Lee		287 0000
	145	000	2	999 9	Leon		289 0000
	146	130	1	999 9	Liberty		291 3360
	147	000	2	999 9	Limestone		293 0000
	148	000	2	999 9	Lipscomb		295 0000
	149	000	2	999 9	Live Oak		297 0000
	150	000	2	999 9	Llano		299 0000
	151	000	2	999 9	Loving		301 0000
	152	176	1		Lubbock		303 4600
			085 3		Lubbock		
			999 9		Balance of county		
	153	000	2	999 9	Lynn		305 0000
	154	000	2	999 9	McCulloch		307 0000
	155	304	1		McLennan		309 8800
			144 3		Waco		
			999 9		Balance of county		
	156	000	2	999 9	McMullen		311 0000
	157	000	2	999 9	Madison		313 0000
	158	000	2	999 9	Marion		315 0000
	159	000	2	999 9	Martin		317 0000
	160	000	2	999 9	Mason		319 0000
	161	000	2		Matagorda		321 0000
			011 6		Bay City		
			999 9		Balance of county		
	162	000	2		Maverick		323 0000
			044 6		Eagle Pass		
			999 9		Balance of county		
	163	000	2	999 9	Medina		325 0000
	164	000	2	999 9	Menard		327 0000
	165	189	1		Midland		329 5040
			092 4		Midland		
			999 9		Balance of county		
	166	000	2	999 9	Milam		331 0000
	167	000	2	999 9	Mills		333 0000
	168	000	2	999 9	Mitchell		335 0000
	169	000	2	999 9	Montague		337 0000
	170	130	1		Montgomery		339 3360
			032 6		Conroe		
			066 0		Houston, part		
			999 9		Balance of county		
	171	000	2		Moore		341 0000
			042 6		Dumas		
			999 9		Balance of county		
	172	000	2	999 9	Morris		343 0000
	173	000	2	999 9	Motley		345 0000
	174	000	2		Nacogdoches		347 0000
			097 5		Nacogdoches		
			999 9		Balance of county		
	175	000	2		Navarro		349 0000
			035 6		Corsicana		
			999 9		Balance of county		
	176	000	2	999 9	Newton		351 0000
	177	000	2		Nolan		353 0000
			130 6		Sweetwater		
			999 9		Balance of county		
	178	073	1		Nueces		355 1880
			034 3		Corpus Christi, part		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
44				Texas	48
			113 6	Portland, part	
			117 6	Robstown	
			999 9	Balance of county	
179	000	2	999 9	Ochiltree	357 0000
180	000	2	999 9	Oldham	359 0000
181	029	1		Orange	361 0840
			102 6	Orange	
			143 6	Vidor	
			999 9	Balance of county	
182	000	2		Palo Pinto	363 0000
			093 6	Mineral Wells, part	
			999 9	Balance of county	
183	000	2	999 9	Panola	365 0000
184	109	1		Parker	367 2800
			093 6	Mineral Wells, part	
			147 6	Weatherford	
			999 9	Balance of county	
185	000	2	999 9	Parmer	369 0000
186	000	2	999 9	Pecos	371 0000
187	000	2	999 9	Polk	373 0000
188	009	1		Potter	375 0320
			004 3	Amarillo, part	
			999 9	Balance of county	
189	000	2	999 9	Presidio	377 0000
190	000	2	999 9	Rains	379 0000
191	009	1		Randall	381 0320
			004 3	Amarillo, part	
			028 6	Canyon	
			999 9	Balance of county	
192	000	2	999 9	Reagan	383 0000
193	000	2	999 9	Real	385 0000
194	000	2	999 9	Red River	387 0000
195	000	2		Reeves	389 0000
			108 6	Pecos	
			999 9	Balance of county	
196	000	2	999 9	Refugio	391 0000
197	000	2	999 9	Roberts	393 0000
198	000	2	999 9	Robertson	395 0000
199	075	1		Rockwall	397 1920
			036 1	Dallas, part	
			057 3	Garland, part	
			999 9	Balance of county	
200	000	2	999 9	Runnels	399 0000
201	000	2		Rusk	401 0000
			064 6	Henderson	
			072 6	Kilgore, part	
			999 9	Balance of county	
202	000	2	999 9	Sabine	403 0000
203	000	2	999 9	San Augustine	405 0000
204	000	2	999 9	San Jacinto	407 0000
205	073	1		San Patricio	409 1880
			034 3	Corpus Christi, part	
			113 6	Portland, part	
			999 9	Balance of county	
206	000	2	999 9	San Saba	411 0000
207	000	2	999 9	Schleicher	413 0000
208	000	2		Scurry	415 0000
			126 6	Snyder	
			999 9	Balance of county	
209	000	2	999 9	Shackelford	417 0000
210	000	2	999 9	Shelby	419 0000
211	000	2	999 9	Sherman	421 0000
212	297	1		Smith	423 8640
			137 4	Tyler	
			999 9	Balance of county	
213	000	2	999 9	Somervell	425 0000
214	000	2	999 9	Starr	427 0000
215	000	2	999 9	Stephens	429 0000
216	000	2	999 9	Sterling	431 0000
217	000	2	999 9	Stonewall	433 0000
218	000	2	999 9	Sutton	435 0000
219	000	2	999 9	Swisher	437 0000
220	109	1		Tarrant	439 2800
			007 3	Arlington	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				FIPS Codes	
St Cnty	MSA	M/NM	City P/S	State, County, City, or Country Name	St Cnty MSA
44				Texas	48
			014 6	Bedford	
			018 6	Benbrook	
			027 6	Burleson, part	
			049 6	Eules	
			051 6	Forest Hill	
			052 2	Fort Worth	
			058 4	Grand Prairie, part	
			059 6	Grapevine, part	
			062 5	Halton City	
			068 5	Hurst	
			100 5	North Richland Hills	
			145 6	Watauga	
			150 6	White Settlement	
			999 9	Balance of county	
221	001	1		Taylor	441 0040
			001 4	Abilene, part	
			999 9	Balance of county	
222	000	2	999 9	Terrell	443 0000
223	000	2		Terry	445 0000
			022 6	Brownfield	
			999 9	Balance of county	
224	000	2	999 9	Throckmorton	447 0000
225	000	2		Titus	449 0000
			096 6	Mount Pleasant	
			999 9	Balance of county	
226	258	1		Tom Green	451 7200
			120 4	San Angelo	
			999 9	Balance of county	
227	023	1		Travis	453 0640
			009 2	Austin, part	
			119 6	Round Rock, part	
			999 9	Balance of county	
228	000	2	999 9	Trinity	455 0000
229	000	2	999 9	Tyler	457 0000
230	000	2	999 9	Upshur	459 0000
231	000	2	999 9	Upton	461 0000
232	000	2		Uvalde	463 0000
			140 6	Uvalde	
			999 9	Balance of county	
233	000	2		Val Verde	465 0000
			038 5	Del Rio	
			999 9	Balance of county	
234	000	2	999 9	Van Zandt	467 0000
235	301	1		Victoria	469 8750
			142 4	Victoria	
			999 9	Balance of county	
236	000	2		Walker	471 0000
			067 6	Huntsville	
			999 9	Balance of county	
237	130	1	999 9	Waller	473 3360
238	000	2	999 9	Ward	475 0000
239	000	2		Washington	477 0000
			021 6	Brenham	
			999 9	Balance of county	
240	162	1		Webb	479 4080
			080 4	Laredo	
			999 9	Balance of county	
241	000	2		Wharton	481 0000
			046 6	El Campo	
			999 9	Balance of county	
242	000	2	999 9	Wheeler	483 0000
243	311	1		Wichita	485 9080
			026 6	Burkburnett	
			151 4	Wichita Falls, part	
			999 9	Balance of county	
244	000	2		Wilbarger	487 0000
			141 6	Vernon	
			999 9	Balance of county	
245	000	2	999 9	Willacy	489 0000
246	023	1		Williamson	491 0640
			009 2	Austin, part	
			119 6	Round Rock, part	
			131 6	Taylor	
			999 9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
44					Texas	48	
	247	000	2	999	9 Wilson		493 0000
	248	000	2	999	9 Winkler		495 0000
	249	000	2	999	9 Wise		497 0000
	250	000	2	999	9 Wood		499 0000
	251	000	2	999	9 Yoakum		501 0000
	252	000	2	999	9 Young		503 0000
	253	000	2	999	9 Zapata		505 0000
	254	000	2	999	9 Zavala		507 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes		
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA	
45					Utah	49	
	001	000	2	999	9	Beaver	001 0000
	002	000	2			Box Elder	003 0000
				003	6	Brigham City	
				999	9	Balance of county	
	003	000	2			Cache	005 0000
				007	5	Logan	
				999	9	Balance of county	
	004	000	2	999	9	Carbon	007 0000
	005	000	2	999	9	Daggett	009 0000
	006	257	1			Davis	011 7160
				002	5	Bountiful	
				005	6	Clearfield	
				006	6	Layton	
				999	9	Balance of county	
	007	000	2	999	9	Duchesne	013 0000
	008	000	2	999	9	Emery	015 0000
	009	000	2	999	9	Garfield	017 0000
	010	000	2	999	9	Grand	019 0000
	011	000	2			Iron	021 0000
				004	6	Cedar City	
				999	9	Balance of county	
	012	000	2	999	9	Juab	023 0000
	013	000	2	999	9	Kane	025 0000
	014	000	2	999	9	Millard	027 0000
	015	000	2	999	9	Morgan	029 0000
	016	000	2	999	9	Piute	031 0000
	017	000	2	999	9	Rich	033 0000
	018	257	1			Salt Lake	035 7160
				008	6	Midvale	
				009	5	Murray	
				016	3	Salt Lake City	
				017	4	Sandy City	
				019	6	South Salt Lake	
				022	5	West Jordan	
				999	9	Balance of county	
	019	000	2	999	9	San Juan	037 0000
	020	000	2	999	9	Sanpete	039 0000
	021	000	2	999	9	Sevier	041 0000
	022	000	2	999	9	Summit	043 0000
	023	000	2			Tooele	045 0000
				021	6	Tooele	
				999	9	Balance of county	
	024	000	2	999	9	Uintah	047 0000
	025	235	1			Utah	049 6520
				001	6	American Fork	
				011	4	Orem	
				012	6	Pleasant Grove	
				013	4	Provo	
				020	6	Springville	
				999	9	Balance of county	
	026	000	2	999	9	Wasatch	051 0000
	027	000	2			Washington	053 0000
				015	6	St. George	
				999	9	Balance of county	
	028	000	2	999	9	Wayne	055 0000
	029	257	1			Weber	057 7160
				010	4	Ogden	
				014	6	Roy	
				018	6	South Ogden	
				999	9	Balance of county	

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
46					Vermont	50	
	001	000	2	999	9 Addison	001	0000
	002	000	2	999	9 Bennington	003	0000
	003	000	2	999	9 Caledonia	005	0000
	004	052	1		Chittenden	007	1303
				001	5 Burlington		
				003	6 South Burlington		
				999	9 Balance of county		
	005	000	2	999	9 Essex	009	0000
	006	000	2	999	9 Franklin	011	0000
	007	052	1	999	9 Grand Isle	013	1303
	008	000	2	999	9 Lamoille	015	0000
	009	000	2	999	9 Orange	017	0000
	010	000	2	999	9 Orleans	019	0000
	011	000	2		Rutland	021	0000
				002	6 Rutland		
				999	9 Balance of county		
	012	000	2	999	9 Washington	023	0000
	013	000	2	999	9 Windham	025	0000
	014	000	2	999	9 Windsor	027	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes		FIPS Codes			
St Cnty	MSA M/NM	City P/S	State, County, City, or Country Name	St Cnty	MSA
47			Virginia	51	
001	000	2 999 9	Accomack	001	0000
002	060	1 999 9	Albemarle	003	1540
003	305	1 001 3	Alexandria city	510	8840
004	000	2 999 9	Alleghany	005	0000
005	000	2 999 9	Amelia	007	0000
006	177	1 999 9	Amherst	009	4640
007	000	2 999 9	Appomattox	011	0000
008	305	1	Arlington	013	8840
		002 3	Arlington		
009	000	2 999 9	Augusta	015	0000
010	000	2 999 9	Bath	017	0000
011	000	2 999 9	Bedford	019	0000
012	000	2 999 9	Bedford city	515	0000
013	000	2 999 9	Bland	021	0000
014	246	1 999 9	Botetourt	023	6800
015	143	1 004 6	Bristol city	520	3660
016	000	2 999 9	Brunswick	025	0000
017	000	2 999 9	Buchanan	027	0000
018	000	2 999 9	Buckingham	029	0000
019	000	2 999 9	Buena Vista city	530	0000
020	177	1 999 9	Campbell	031	4640
021	000	2 999 9	Caroline	033	0000
022	000	2 999 9	Carroll	035	0000
023	244	1 999 9	Charles City	036	6760
024	000	2 999 9	Charlotte	037	0000
025	060	1 005 5	Charlottesville city	540	1540
026	209	1 006 3	Chesapeake city	550	5720
027	244	1 999 9	Chesterfield	041	6760
028	000	2 999 9	Clarke	043	0000
029	000	2 999 9	Clifton Forge city	560	0000
030	244	1 008 6	Colonial Heights city	570	6760
031	000	2 999 9	Covington city	580	0000
032	000	2 999 9	Craig	045	0000
033	000	2 999 9	Culpeper	047	0000
034	000	2 999 9	Cumberland	049	0000
035	076	1 009 5	Danville city	590	1950
036	000	2 999 9	Dickenson	051	0000
037	244	1 999 9	Dinwiddie	053	6760
038	000	2 999 9	Emporia city	595	0000
039	000	2 999 9	Essex	057	0000
040	305	1	Fairfax	059	8840
		015 6	Herndon		
		031 6	Vienna		
		999 9	Balance of county		
041	305	1 010 6	Fairfax city	600	8840
042	305	1 999 9	Falls Church city	610	8840
043	000	2 999 9	Fauquier	061	0000
044	000	2 999 9	Floyd	063	0000
045	060	1 999 9	Fluvanna	065	1540
046	000	2 999 9	Franklin	067	0000
047	000	2 999 9	Franklin city	620	0000
048	000	2 999 9	Frederick	069	0000
049	000	2 011 6	Fredericksburg city	630	0000
050	000	2 999 9	Galax city	640	0000
051	000	2 999 9	Giles	071	0000
052	209	1 999 9	Gloucester	073	5720
053	244	1 999 9	Goochland	075	6760
054	000	2 999 9	Grayson	077	0000
055	060	1 999 9	Greene	079	1540
056	000	2 999 9	Greensville	081	0000
057	000	2 999 9	Halifax	083	0000
058	209	1 013 3	Hampton city	650	5720
059	244	1 999 9	Hanover	085	6760
060	000	2 014 6	Harrisonburg city	660	0000
061	244	1 999 9	Henrico	087	6760
062	000	2 999 9	Henry	089	0000
063	000	2 999 9	Highland	091	0000
064	244	1 016 6	Hopewell city	670	6760
065	000	2 999 9	Isle of Wight	093	0000
066	209	1 999 9	James City	095	5720
067	000	2 999 9	King and Queen	097	0000
068	000	2 999 9	King George	099	0000
069	000	2 999 9	King William	101	0000
070	000	2 999 9	Lancaster	103	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes				State, County, City, or Country Name		FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
47					Virginia	51	
	071	000	2	999	9 Lee	105	0000
	072	000	2	999	9 Lexington city	678	0000
	073	305	1	999	9 Loudoun	107	8840
	074	000	2	999	9 Louisa	109	0000
	075	000	2	999	9 Lunenburg	111	0000
	076	177	1	017	4 Lynchburg city	680	4640
	077	000	2	999	9 Madison	113	0000
	078	305	1	018	6 Manassas city	683	8840
	079	305	1	999	9 Manassas Park city	685	8840
	080	000	2	019	6 Martinsville city	690	0000
	081	000	2	999	9 Mathews	115	0000
	082	000	2	999	9 Mecklenburg	117	0000
	083	000	2	999	9 Middlesex	119	0000
	084	000	2		Montgomery	121	0000
				003	5 Blacksburg		
				007	6 Christiansburg		
				999	9 Balance of county		
	085	000	2	999	9 Nelson	125	0000
	086	244	1	999	9 New Kent	127	6760
	087	209	1	020	3 Newport News city	700	5720
	088	209	1	021	2 Norfolk city	710	5720
	089	000	2	999	9 Northampton	131	0000
	090	000	2	999	9 Northumberland	133	0000
	091	000	2	999	9 Norton city	720	0000
	092	000	2	999	9 Nottoway	135	0000
	093	000	2	999	9 Orange	137	0000
	094	000	2	999	9 Page	139	0000
	095	000	2	999	9 Patrick	141	0000
	096	244	1	022	5 Petersburg city	730	6760
	097	076	1	999	9 Pittsylvania	143	1950
	098	209	1	999	9 Poquoson city	735	5720
	099	209	1	023	3 Portsmouth city	740	5720
	100	244	1	999	9 Powhatan	145	6760
	101	000	2	999	9 Prince Edward	147	0000
	102	244	1	999	9 Prince George	149	6760
	103	305	1	999	9 Prince William	153	8840
	104	000	2		Pulaski	155	0000
				024	6 Pulaski		
				999	9 Balance of county		
	105	000	2	025	6 Radford city	750	0000
	106	000	2	999	9 Rappahannock	157	0000
	107	000	2	999	9 Richmond	159	0000
	108	244	1	026	3 Richmond city	760	6760
	109	246	1	999	9 Roanoke	161	6800
	110	246	1	027	3 Roanoke city	770	6800
	111	000	2	999	9 Rockbridge	163	0000
	112	000	2	999	9 Rockingham	165	0000
	113	000	2	999	9 Russell	167	0000
	114	246	1	028	6 Salem city	775	6800
	115	143	1	999	9 Scott	169	3660
	116	000	2	999	9 Shenandoah	171	0000
	117	000	2	999	9 Smyth	173	0000
	118	000	2	999	9 Southampton	175	0000
	119	000	2	999	9 South Boston city	780	0000
	120	000	2	999	9 Spotsylvania	177	0000
	121	305	1	999	9 Stafford	179	8840
	122	000	2	029	6 Staunton city	790	0000
	123	209	1	030	5 Suffolk city	800	5720
	124	000	2	999	9 Surry	181	0000
	125	000	2	999	9 Sussex	183	0000
	126	000	2	999	9 Tazewell	185	0000
	127	209	1	032	2 Virginia Beach city	810	5720
	128	000	2		Warren	187	0000
				012	6 Front Royal		
				999	9 Balance of county		
	129	143	1	999	9 Washington	191	3660
	130	000	2	033	6 Waynesboro city	820	0000
	131	000	2	999	9 Westmoreland	193	0000
	132	209	1	999	9 Williamsburg city	830	5720
	133	000	2	034	6 Winchester city	840	0000
	134	000	2	999	9 Wise	195	0000
	135	000	2	999	9 Wythe	197	0000
	136	209	1	999	9 York	199	5720



MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
48					Washington	53
	001	000	2	999 9	Adams	001 0000
	002	000	2	999 9	Asotin	003 0000
	003	243	1		Benton	005 6740
			011	5	Kennewick	
			029	5	Richland	
			999	9	Balance of county	
	004	000	2		Chelan	007 0000
			035	6	Wenatchee	
			999	9	Balance of county	
	005	000	2		Clallam	009 0000
			024	6	Port Angeles	
			999	9	Balance of county	
	006	300	1		Clark	011 8725
			033	5	Vancouver	
			999	9	Balance of county	
	007	000	2	999 9	Columbia	013 0000
	008	000	2		Cowlitz	015 0000
			010	6	Kelso	
			015	5	Longview	
			999	9	Balance of county	
	009	000	2	999 9	Douglas	017 0000
	010	000	2	999 9	Ferry	019 0000
	011	243	1		Franklin	021 6740
			023	6	Pasco	
			999	9	Balance of county	
	012	000	2	999 9	Garfield	023 0000
	013	000	2		Grant	025 0000
			018	6	Moses Lake	
			999	9	Balance of county	
	014	000	2		Grays Harbor	027 0000
			001	6	Aberdeen	
			999	9	Balance of county	
	015	000	2		Island	029 0000
			021	6	Oak Harbor	
			999	9	Balance of county	
	016	000	2	999 9	Jefferson	031 0000
	017	270	1		King	033 7600
			002	5	Auburn	
			003	4	Bellevue	
			012	6	Kent	
			013	6	Kirkland	
			017	6	Mercer Island	
			027	6	Redmond	
			028	5	Renton	
			030	2	Seattle	
			999	9	Balance of county	
	018	046	1		Kitsap	035 1150
			005	5	Bremerton	
			999	9	Balance of county	
	019	000	2		Kittitas	037 0000
			008	6	Ellensburg	
			999	9	Balance of county	
	020	000	2	999 9	Klickitat	039 0000
	021	000	2		Lewis	041 0000
			006	6	Centralia	
			999	9	Balance of county	
	022	000	2	999 9	Lincoln	043 0000
	023	000	2	999 9	Mason	045 0000
	024	000	2	999 9	Okanogan	047 0000
	025	000	2	999 9	Pacific	049 0000
	026	000	2	999 9	Pend Oreille	051 0000
	027	286	1		Pierce	053 8200
			026	6	Puyallup	
			032	3	Tacoma	
			999	9	Balance of county	
	028	000	2	999 9	San Juan	055 0000
	029	000	2		Skagit	057 0000
			020	6	Mount Vernon	
			999	9	Balance of county	
	030	000	2	999 9	Skamania	059 0000
	031	270	1		Snohomish	061 7600
			007	5	Edmonds	
			009	4	Everett	
			016	6	Lynnwood	

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Vital Statistics Codes					FIPS Codes		
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
48					Washington	53	
				019 6	Mountlake Terrace		
				999 9	Balance of county		
032	278	1			Spokane	063	7840
				031 3	Spokane		
				999 9	Balance of county		
033	000	2		999 9	Stevens	065	0000
034	214	1			Thurston	067	5910
				014 6	Lacey		
				022 5	Olympia		
				999 9	Balance of county		
035	000	2		999 9	Wahkiakum	069	0000
036	000	2			Walla Walla	071	0000
				034 5	Walla Walla		
				999 9	Balance of county		
037	031	1			Whatcom	073	0860
				004 5	Bellingham		
				999 9	Balance of county		
038	000	2			Whitman	075	0000
				025 6	Pullman		
				999 9	Balance of county		
039	316	1			Yakima	077	9260
				036 5	Yakima		
				999 9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes	
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty MSA
49					West Virginia	54
	001	000	2	999 9	Barbour	001 0000
	002	000	2		Berkeley	003 0000
				007 6	Martinsburg	
				999 9	Balance of county	
	003	000	2	999 9	Boone	005 0000
	004	000	2	999 9	Braxton	007 0000
	005	283	1		Brooke	009 8080
				014 6	Weirton, part	
				999 9	Balance of county	
	006	131	1		Cabell	011 3400
				006 4	Huntington, part	
				999 9	Balance of county	
	007	000	2	999 9	Calhoun	013 0000
	008	000	2	999 9	Clay	015 0000
	009	000	2	999 9	Doddridge	017 0000
	010	000	2	999 9	Fayette	019 0000
	011	000	2	999 9	Gilmer	021 0000
	012	000	2	999 9	Grant	023 0000
	013	000	2	999 9	Greenbrier	025 0000
	014	000	2	999 9	Hampshire	027 0000
	015	283	1		Hancock	029 8080
				014 6	Weirton, part	
				999 9	Balance of county	
	016	000	2	999 9	Hardy	031 0000
	017	000	2		Harrison	033 0000
				004 6	Clarksburg	
				999 9	Balance of county	
	018	000	2	999 9	Jackson	035 0000
	019	000	2	999 9	Jefferson	037 0000
	020	058	1		Kanawha	039 1480
				003 4	Charleston	
				011 6	St. Albans	
				012 6	South Charleston	
				999 9	Balance of county	
	021	000	2	999 9	Lewis	041 0000
	022	000	2	999 9	Lincoln	043 0000
	023	000	2	999 9	Logan	045 0000
	024	000	2	999 9	McDowell	047 0000
	025	000	2		Marion	049 0000
				005 6	Fairmont	
				999 9	Balance of county	
	026	309	1		Marshall	051 9000
				009 6	Moundsville	
				015 5	Wheeling, part	
				999 9	Balance of county	
	027	000	2	999 9	Mason	053 0000
	028	000	2		Mercer	055 0000
				002 6	Bluefield	
				999 9	Balance of county	
	029	074	1	999 9	Mineral	057 1900
	030	000	2	999 9	Mingo	059 0000
	031	000	2		Monongalia	061 0000
				008 5	Morgantown	
				999 9	Balance of county	
	032	000	2	999 9	Monroe	063 0000
	033	000	2	999 9	Morgan	065 0000
	034	000	2	999 9	Nicholas	067 0000
	035	309	1		Ohio	069 9000
				015 5	Wheeling, part	
				999 9	Balance of county	
	036	000	2	999 9	Pendleton	071 0000
	037	000	2	999 9	Pleasants	073 0000
	038	000	2	999 9	Pocahontas	075 0000
	039	000	2	999 9	Preston	077 0000
	040	058	1	999 9	Putnam	079 1480
	041	000	2		Raleigh	081 0000
				001 6	Beckley	
				999 9	Balance of county	
	042	000	2	999 9	Randolph	083 0000
	043	000	2	999 9	Ritchie	085 0000
	044	000	2	999 9	Roane	087 0000
	045	000	2	999 9	Summers	089 0000
	046	000	2	999 9	Taylor	091 0000
	047	000	2	999 9	Tucker	093 0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes				
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St	Cnty	MSA
49						West Virginia	54		
	048	000	2	999	9	Tyler		095	0000
	049	000	2	999	9	Upshur		097	0000
	050	131	1			Wayne		099	3400
				006	4	Huntington, part			
				999	9	Balance of county			
	051	000	2	999	9	Webster		101	0000
	052	000	2	999	9	Wetzel		103	0000
	053	000	2	999	9	Wirt		105	0000
	054	221	1			Wood		107	6020
				010	5	Parkersburg			
				013	6	Vienna			
				999	9	Balance of county			
	055	000	2	999	9	Wyoming		109	0000

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes					FIPS Codes				
St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA		
50					Wisconsin	55			
	001	000	2	999	9 Adams		001	0000	
	002	000	2	999	9 Ashland		003	0000	
	003	000	2	999	9 Barron		005	0000	
	004	000	2	999	9 Bayfield		007	0000	
	005	120	1		Brown		009	3080	
				001	6 Allouez town				
				003	6 Ashwaubenon				
				010	6 De Pere				
				016	4 Green Bay				
				999	9 Balance of county				
	006	000	2	999	9 Buffalo		011	0000	
	007	000	2	999	9 Burnett		013	0000	
	008	016	1		Calumet		015	0460	
				002	4 Appleton, part				
				999	9 Balance of county				
	009	088	1		Chippewa		017	2290	
				008	6 Chippewa Falls				
				011	4 Eau Claire, part				
				999	9 Balance of county				
	010	000	2	999	9 Clark		019	0000	
	011	000	2	999	9 Columbia		021	0000	
	012	000	2	999	9 Crawford		023	0000	
	013	179	1		Dane		025	4720	
				023	3 Madison				
				031	6 Middleton				
				045	6 Sun Prairie				
				999	9 Balance of county				
	014	000	2		Dodge		027	0000	
				004	6 Beaver Dam				
				048	6 Watertown, part				
				999	9 Balance of county				
	015	000	2	999	9 Door		029	0000	
	016	087	1		Douglas		031	2240	
				046	5 Superior				
				999	9 Balance of county				
	017	000	2		Dunn		033	0000	
				029	6 Menomonie				
				999	9 Balance of county				
	018	088	1		Eau Claire		035	2290	
				011	4 Eau Claire, part				
				999	9 Balance of county				
	019	000	2	999	9 Florence		037	0000	
	020	000	2		Fond du Lac		039	0000	
				012	5 Fond du Lac				
				999	9 Balance of county				
	021	000	2	999	9 Forest		041	0000	
	022	000	2	999	9 Grant		043	0000	
	023	000	2		Green		045	0000	
				033	6 Monroe				
				999	9 Balance of county				
	024	000	2	999	9 Green Lake		047	0000	
	025	000	2	999	9 Iowa		049	0000	
	026	000	2	999	9 Iron		051	0000	
	027	000	2	999	9 Jackson		053	0000	
	028	000	2		Jefferson		055	0000	
				048	6 Watertown, part				
				055	6 Whitewater, part				
				999	9 Balance of county				
	029	000	2	999	9 Juneau		057	0000	
	030	150	1		Kenosha		059	3800	
				021	4 Kenosha				
				999	9 Balance of county				
	031	000	2	999	9 Kewaunee		061	0000	
	032	154	1		La Crosse		063	3870	
				022	5 La Crosse				
				999	9 Balance of county				
	033	000	2	999	9 Lafayette		065	0000	
	034	000	2	999	9 Langlade		067	0000	
	035	000	2	999	9 Lincoln		069	0000	
	036	000	2		Manitowoc		071	0000	
				024	5 Manitowoc				
				047	6 Two Rivers				
				999	9 Balance of county				
	037	307	1		Marathon		073	8940	
				026	6 Marshfield, part				

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes

FIPS Codes

St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
50					Wisconsin	55	
				050 5	Wausau		
				999 9	Balance of county		
038	000	2			Marinette	075	0000
				025 6	Marinette		
				999 9	Balance of county		
039	000	2		999 9	Marquette	077	0000
040	000	2		999 9	Menominee	078	0000
041	190	1			Milwaukee	079	5080
				007 6	Brown Deer		
				009 6	Cudahy		
				013 6	Franklin		
				015 6	Glendale		
				017 6	Greendale		
				018 5	Greenfield		
				032 1	Milwaukee, part		
				037 6	Oak Creek		
				040 6	St. Francis		
				042 6	Shorewood		
				043 6	South Milwaukee		
				051 4	Wauwatosa		
				052 4	West Allis		
				054 6	Whitefish Bay		
				999 9	Balance of county		
042	000	2		999 9	Monroe	081	0000
043	000	2		999 9	Oconto	083	0000
044	000	2		999 9	Oneida	085	0000
045	016	1			Outagamie	087	0460
				002 4	Appleton, part		
				020 6	Kaukauna		
				999 9	Balance of county		
046	190	1			Ozaukee	089	5080
				030 6	Mequon		
				999 9	Balance of county		
047	000	2		999 9	Pepin	091	0000
048	000	2		999 9	Pierce	093	0000
049	000	2		999 9	Polk	095	0000
050	000	2			Portage	097	0000
				044 6	Stevens Point		
				999 9	Balance of county		
051	000	2		999 9	Price	099	0000
052	237	1			Racine	101	6600
				039 4	Racine		
				999 9	Balance of county		
053	000	2		999 9	Richland	103	0000
054	141	1			Rock	105	3620
				005 5	Beloit		
				019 4	Janesville		
				999 9	Balance of county		
055	000	2		999 9	Rusk	107	0000
056	191	1		999 9	St. Croix	109	5120
057	000	2		999 9	Sauk	111	0000
058	000	2		999 9	Sawyer	113	0000
059	000	2		999 9	Shawano	115	0000
060	272	1			Sheboygan	117	7620
				041 5	Sheboygan		
				999 9	Balance of county		
061	000	2		999 9	Taylor	119	0000
062	000	2		999 9	Trempealeau	121	0000
063	000	2		999 9	Vernon	123	0000
064	000	2		999 9	Vilas	125	0000
065	000	2			Walworth	127	0000
				055 6	Whitewater, part		
				999 9	Balance of county		
066	000	2		999 9	Washburn	129	0000
067	190	1			Washington	131	5080
				014 6	Germantown		
				032 1	Milwaukee, part		
				053 6	West Bend		
				999 9	Balance of county		
068	190	1			Waukesha	133	5080
				006 5	Brookfield		
				028 5	Menomonee Falls		
				034 6	Muskego		
				036 5	New Berlin		

Vital Statistics Geographic Code Outline

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes FIPS Codes

St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
50					Wisconsin	55	
			049	4	Waukesha		
			999	9	Balance of county		
069	000	2	999	9	Waupaca	135	0000
070	000	2	999	9	Waushara	137	0000
071	016	1			Winnebago	139	0460
			002	4	Appleton, part		
			027	6	Menasha		
			035	6	Neenah		
			038	5	Oshkosh		
			999	9	Balance of county		
072	000	2			Wood	141	0000
			026	6	Marshfield, part		
			056	6	Wisconsin Rapids		
			999	9	Balance of county		

MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes

FIPS Codes

St Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name	St Cnty	MSA
51					Wyoming	56	
	001	000	2		Albany	001	0000
				005 6	Laramie		
				999 9	Balance of county		
	002	000	2	999 9	Big Horn	003	0000
	003	000	2		Campbell	005	0000
				003 6	Gillette		
				999 9	Balance of county		
	004	000	2		Carbon	007	0000
				006 6	Rawlins		
				999 9	Balance of county		
	005	000	2	999 9	Converse	009	0000
	006	000	2	999 9	Crook	011	0000
	007	000	2	999 9	Fremont	013	0000
	008	000	2	999 9	Goshen	015	0000
	009	000	2	999 9	Hot Springs	017	0000
	010	000	2	999 9	Johnson	019	0000
	011	062	1		Laramie	021	1580
				002 5	Cheyenne		
				999 9	Balance of county		
	012	000	2	999 9	Lincoln	023	0000
	013	054	1		Natrona	025	1350
				001 4	Casper		
				999 9	Balance of county		
	014	000	2	999 9	Niobrara	027	0000
	015	000	2	999 9	Park	029	0000
	016	000	2	999 9	Platte	031	0000
	017	000	2		Sheridan	033	0000
				008 6	Sheridan		
				999 9	Balance of county		
	018	000	2	999 9	Sublette	035	0000
	019	000	2		Sweetwater	037	0000
				004 6	Green River		
				007 6	Rock Springs		
				999 9	Balance of county		
	020	000	2	999 9	Teton	039	0000
	021	000	2	999 9	Uinta	041	0000
	022	000	2	999 9	Washakie	043	0000
	023	000	2	999 9	Weston	045	0000



MSA Codes Effective With 1990 Data. All Other Codes Effective With 1982 Data.

Vital Statistics Codes						FIPS Codes		
St	Cnty	MSA	M/NM	City	P/S	State, County, City, or Country Name		
St	Cnty	MSA				St	Cnty	MSA
52	ZZZ	ZZZ	Z	ZZZ	Z	Puerto Rico	00	000 0000
53	ZZZ	ZZZ	Z	ZZZ	Z	Virgin Islands	00	000 0000
54	ZZZ	ZZZ	Z	ZZZ	Z	Guam	00	000 0000
55	ZZZ	ZZZ	Z	ZZZ	Z	Canada	00	000 0000
56	ZZZ	ZZZ	Z	ZZZ	Z	Cuba	00	000 0000
57	ZZZ	ZZZ	Z	ZZZ	Z	Mexico	00	000 0000
59	ZZZ	ZZZ	Z	ZZZ	Z	Remainder of World	00	000 0000

**List of Metropolitan Statistical Areas  
and their Component Counties**

Metropolitan Statistical Areas Established in 1990  
and Adapted for Use by DVS

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
001	44	221	Abilene, TX MSA Texas Taylor	0040	48	441
002	36	067 077	Akron, OH PMSA Ohio Portage Summit	0080	39	133 153
003	11	047 088	Albany, GA MSA Georgia Dougherty Lee	0120	13	095 177
004	33	001 019 027 039 042 043	Albany-Schenectady-Troy, NY MSA New York Albany Greene Montgomery Rensselaer Saratoga Schenectady	0160	36	001 039 057 083 091 093
005	32	001	Albuquerque, NM MSA New Mexico Bernalillo	0200	35	001
006	19	040	Alexandria, LA MSA Louisiana Rapides	0220	22	079
007	31	021 013 039 048	Allentown-Bethlehem-Easton, PA-NJ MSA New Jersey Warren Pennsylvania Carbon Lehigh Northampton	0240	34	041 025 077 095
008	39	007	Altoona, PA MSA Pennsylvania Blair	0280	42	013
009	44	188 191	Amarillo, TX MSA Texas Potter Randall	0320	48	375 381
010	05	030	Anaheim-Santa Ana, CA PMSA California Orange	0360	06	059
011	02	002	Anchorage, AK MSA Alaska Anchorage, coext. with Anchorage city	0380	02	020
012	15	048	Anderson, IN MSA Indiana Madison	0400	18	095
013	41	004	Anderson, SC MSA South Carolina Anderson	0405	45	007
014	23	081	Ann Arbor, MI PMSA Michigan Washtenaw	0440	26	161
015	01	008	Anniston, AL MSA Alabama Calhoun	0450	01	015

Metropolitan Statistical Areas Established in 1990  
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Vital Statistics Codes				FIPS Codes		
Area	State	County	Area Name and County Components	Area	State	Cnty
016	50		Appleton-Oshkosh-Neenah, WI MSA	0460		
			Wisconsin		55	
		008	Calumet			015
		045	Outagamie			087
		071	Winnebago			139
017	34		Asheville, NC MSA	0480		
			North Carolina		37	
		011	Buncombe			021
018	11		Athens, GA MSA	0500		
			Georgia		13	
		029	Clarke			059
		078	Jackson			157
		097	Madison			195
		108	Oconee			219
019	11		Atlanta, GA MSA	0520		
			Georgia		13	
		007	Barrow			013
		018	Butts			035
		028	Cherokee			057
		031	Clayton			063
		033	Cobb			067
		038	Coweta			077
		044	De Kalb			089
		048	Douglas			097
		056	Fayette			113
		058	Forsyth			117
		060	Fulton			121
		067	Gwinnett			135
		075	Henry			151
		107	Newton			217
		110	Paulding			223
		122	Rockdale			247
		126	Spalding			255
		147	Walton			297
020	31		Atlantic City, NJ MSA	0560		
			New Jersey		34	
		001	Atlantic			001
		005	Cape May			009
021	11		Augusta, GA-SC MSA	0600		
			Georgia		13	
		036	Columbia			073
		094	McDuffie			189
		121	Richmond			245
	41		South Carolina		45	
		002	Aiken			003
022	14		Aurora-Elgin, IL PMSA	0620		
			Illinois		17	
		045	Kane			089
		047	Kendall			093
023	44		Austin, TX MSA	0640		
			Texas		48	
		105	Hays			209
		227	Travis			453
		246	Williamson			491
024	05		Bakersfield, CA MSA	0680		
			California		06	
		015	Kern			029
025	21		Baltimore, MD MSA	0720		
			Maryland		24	
		002	Anne Arundel			003
		003	Baltimore			005
		004	Baltimore city			510
		007	Carroll			013
		013	Harford			025
		014	Howard			027
		018	Queen Anne's			035

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
026	20	010	Bangor, ME NECMA Maine Penobscot	0733	23	019
027	19	003 017 032 061	Baton Rouge, LA MSA Louisiana Ascension East Baton Rouge Livingston West Baton Rouge	0760	22	005 033 063 121
028	23	013	Battle Creek, MI MSA Michigan Calhoun	0780	26	025
029	44	100 123 181	Beaumont-Port Arthur, TX MSA Texas Hardin Jefferson Orange	0840	48	199 245 361
030	39	004	Beaver County, PA PMSA Pennsylvania Beaver	0845	42	007
031	48	037	Bellingham, WA MSA Washington Whatcom	0860	53	073
032	23	011	Benton Harbor, MI MSA Michigan Berrien	0870	26	021
033	31	002 016	Bergen-Passaic, NJ PMSA New Jersey Bergen Passaic	0875	34	003 031
034	27	056	Billings, MT MSA Montana Yellowstone	0880	30	111
035	25	023 024	Biloxi-Gulfport, MS MSA Mississippi Hancock Harrison	0920	28	045 047
036	33	003 050	Binghamton, NY MSA New York Broome Tioga	0960	36	007 107
037	01	005 037 058 059 064	Birmingham, AL MSA Alabama Blount Jefferson St. Clair Shelby Walker	1000	01	009 073 115 117 127
038	35	008 030	Bismarck, ND MSA North Dakota Burleigh Morton	1010	38	015 059
039	15	053	Bloomington, IN MSA Indiana Monroe	1020	18	105
040	14	057	Bloomington-Normal, IL MSA Illinois McLean	1040	17	113
041	13	001	Boise City, ID MSA Idaho Ada	1080	16	001

Metropolitan Statistical Areas Established in 1990  
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Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
042	22		Boston-Lawrence-Salem-Lowell-Brockton, MA NECMA Massachusetts	1123	25	
		005	Essex			009
		009	Middlesex			017
		011	Norfolk			021
		012	Plymouth			023
		013	Suffolk			025
043	06		Boulder-Longmont, CO PMSA Colorado	1125	08	
		007	Boulder			013
044	10		Bradenton, FL MSA Florida	1140	12	
		041	Manatee			081
045	44		Brazoria, TX PMSA Texas	1145	48	
		020	Brazoria			039
046	48		Bremerton, WA MSA Washington	1150	53	
		018	Kitsap			035
047	07		Bridgeport-Stamford-Norwalk-Danbury, CT NECMA Connecticut	1163	09	
		001	Fairfield			001
048	44		Brownsville-Harlingen, TX MSA Texas	1240	48	
		031	Cameron			061
049	44		Bryan-College Station, TX MSA Texas	1260	48	
		021	Brazos			041
050	33		Buffalo, NY PMSA New York	1280	36	
		014	Erie			029
051	34		Burlington, NC MSA North Carolina	1300	37	
		001	Alamance			001
052	46		Burlington, VT NECMA Vermont	1303	50	
		004	Chittenden			007
		007	Grand Isle			013
053	36		Canton, OH MSA Ohio	1320	39	
		010	Carroll			019
		076	Stark			151
054	51		Casper, WY MSA Wyoming	1350	56	
		013	Natrona			025
055	16		Cedar Rapids, IA MSA Iowa	1360	19	
		057	Linn			113
056	14		Champaign-Urbana-Rantouil, IL MSA Illinois	1400	17	
		010	Champaign			019
057	41		Charleston, SC MSA South Carolina	1440	45	
		008	Berkeley			015
		010	Charleston			019
		018	Dorchester			035
058	49		Charleston, WV MSA West Virginia	1480	54	
		020	Kanawha			039
		040	Putnam			079

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
059			Charlotte-Gastonia-Rock Hill, NC-SC MSA	1520		
	34		North Carolina		37	
		013	Cabarrus			025
		036	Gaston			071
		055	Lincoln			109
		060	Mecklenburg			119
		080	Rowan			159
		090	Union			179
	41		South Carolina		45	
		046	York			091
060			Charlottesville, VA MSA	1540		
	47		Virginia		51	
		002	Albemarle			003
		025	Charlottesville city			540
		045	Fluvanna			065
		055	Greene			079
061			Chattanooga, TN-GA MSA	1560		
	11		Georgia		13	
		023	Catoosa			047
		041	Dade			083
		146	Walker			295
	43		Tennessee		47	
		033	Hamilton			065
		058	Marion			115
		077	Sequatchie			153
062			Cheyenne, WY MSA	1580		
	51		Wyoming		56	
		011	Laramie			021
063			Chicago, IL PMSA	1600		
	14		Illinois		17	
		016	Cook			031
		022	Du Page			043
		056	McHenry			111
064			Chico, CA MSA	1620		
	05		California		06	
		004	Butte			007
065			Cincinnati, OH-KY-IN PMSA	1640		
	15		Indiana		18	
		015	Dearborn			029
	18		Kentucky		21	
		008	Boone			015
		019	Campbell			037
		059	Kenton			117
	36		Ohio		39	
		013	Clermont			025
		031	Hamilton			061
		083	Warren			165
066			Clarksville-Hopkinsville, TN-KY MSA	1660		
	18		Kentucky		21	
		024	Christian			047
	43		Tennessee		47	
		063	Montgomery			125
067			Cleveland, OH PMSA	1680		
	36		Ohio		39	
		018	Cuyahoga			035
		028	Geauga			055
		043	Lake			085
		052	Medina			103
068			Colorado Springs, CO MSA	1720		
	06		Colorado		08	
		021	El Paso			041
069			Columbia, MO MSA	1740		
	26		Missouri		29	
		010	Boone			019

Metropolitan Statistical Areas Established in 1990  
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Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
070	41		Columbia, SC MSA	1760		
			South Carolina		45	
		032	Lexington			063
		040	Richland			079
071	01		Columbus, GA-AL MSA	1800		
			Alabama		01	
		057	Russell			113
	11		Georgia		13	
		026	Chattahoochee			053
		106	Muscogee			215
072	36		Columbus, OH MSA	1840		
			Ohio		39	
		021	Delaware			041
		023	Fairfield			045
		025	Franklin			049
		045	Licking			089
		049	Madison			097
		065	Pickaway			129
		080	Union			159
073	44		Corpus Christi, TX MSA	1880		
			Texas		48	
		178	Nueces			355
		205	San Patricio			409
074	21		Cumberland, MD-WV MSA	1900		
			Maryland		24	
		001	Allegany			001
	49		West Virginia		54	
		029	Mineral			057
075	44		Dallas, TX PMSA	1920		
			Texas		48	
		043	Collin			085
		057	Dallas			113
		061	Denton			121
		070	Ellis			139
		129	Kaufman			257
		199	Rockwall			397
076	47		Danville, VA MSA	1950		
			Virginia		51	
		035	Danville city			590
		097	Pittsylvania			143
077	14		Davenport-Rock Island-Moline, IA-IL MSA	1960		
			Illinois		17	
		037	Henry			073
		081	Rock Island			161
	16		Iowa		19	
		082	Scott			163
078	36		Dayton-Springfield, OH MSA	2000		
			Ohio		39	
		012	Clark			023
		029	Greene			057
		055	Miami			109
		057	Montgomery			113
079	10		Daytona Beach, FL MSA	2020		
			Florida		12	
		064	Volusia			127
080	01		Decatur, AL MSA	2030		
			Alabama		01	
		040	Lawrence			079
		052	Morgan			103
081	14		Decatur, IL MSA	2040		
			Illinois		17	
		058	Macon			115



Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
082	06		Denver, CO PMSA	2080	08	
		001	Colorado			001
		003	Adams			005
		016	Arapahoe			031
		018	Denver, coext. with Denver city			035
		030	Douglas			059
			Jefferson			
083	16		Des Moines, IA MSA	2120	19	
		025	Iowa			049
		077	Dallas			153
		091	Polk			181
			Warren			
084	23		Detroit, MI PMSA	2160	26	
		044	Michigan			087
		047	Lapeer			093
		050	Livingston			099
		058	Macomb			115
		063	Monroe			125
		074	Oakland			147
		082	St. Clair			163
			Wayne			
085	01		Dothan, AL MSA	2180	01	
		023	Alabama			045
		035	Dale			069
			Houston			
086	16		Dubuque, IA MSA	2200	19	
		031	Iowa			061
			Dubuque			
087	24		Duluth, MN-WI MSA	2240	27	
		069	Minnesota			137
		50	St. Louis			55
		016	Wisconsin			031
			Douglas			
088	50		Eau Claire, WI MSA	2290	55	
		009	Wisconsin			017
		018	Chippewa			035
			Eau Claire			
089	44		El Paso, TX MSA	2320	48	
		071	Texas			141
			El Paso			
090	15		Elkhart-Goshen, IN MSA	2330	18	
		020	Indiana			039
			Elkhart			
091	33		Elmira, NY MSA	2335	36	
		007	New York			015
			Chemung			
092	37		Enid, OK MSA	2340	40	
		024	Oklahoma			047
			Garfield			
093	39		Erie, PA MSA	2360	42	
		025	Pennsylvania			049
			Erie			
094	38		Eugene-Springfield, OR MSA	2400	41	
		020	Oregon			039
			Lane			
095	15		Evansville, IN-KY MSA	2440	18	
		065	Indiana			129
		082	Posey			163
		087	Vanderburgh			173
		18	Warrick			
		051	Kentucky		21	101
			Henderson			

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Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
096			Fargo-Moorhead, ND-MN MSA	2520		
	24		Minnesota		27	
		014	Clay			027
	35		North Dakota		38	
		009	Cass			017
097			Fayetteville, NC MSA	2560		
	34		North Carolina		37	
		026	Cumberland			051
098			Fayetteville-Springdale, AR MSA	2580		
	04		Arkansas		05	
		072	Washington			143
099			Flint, MI MSA	2640		
	23		Michigan		26	
		025	Genesee			049
100			Florence, AL MSA	2650		
	01		Alabama		01	
		017	Colbert			033
		039	Lauderdale			077
101			Florence, SC MSA	2655		
	41		South Carolina		45	
		021	Florence			041
102			Fort Collins-Loveland, CO MSA	2670		
	06		Colorado		08	
		035	Larimer			069
103			Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA	2680		
	10		Florida		12	
		006	Broward			011
104			Fort Myers-Cape Coral, FL MSA	2700		
	10		Florida		12	
		036	Lee			071
105			Fort Pierce, FL MSA	2710		
	10		Florida		12	
		043	Martin			085
		056	St. Lucie			111
106			Fort Smith, AR-OK MSA	2720		
	04		Arkansas		05	
		017	Crawford			033
		066	Sebastian			131
	37		Oklahoma		40	
		068	Sequoyah			135
107			Fort Walton Beach, FL MSA	2750		
	10		Florida		12	
		046	Okaloosa			091
108			Fort Wayne, IN MSA	2760		
	15		Indiana		18	
		002	Allen			003
		017	De Kalb			033
		092	Whitley			183
109			Fort Worth-Arlington, TX PMSA	2800		
	44		Texas		48	
		126	Johnson			251
		184	Parker			367
		220	Tarrant			439
110			Fresno, CA MSA	2840		
	05		California		06	
		010	Fresno			019
111			Gadsden, AL MSA	2880		
	01		Alabama		01	
		028	Etowah			055

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Vital Statistics Codes				FIPS Codes		
Area	State	County	Area Name and County Components	Area	State	Cnty
112	10		Gainesville, FL MSA	2900		
			Florida		12	
		001	Alachua			001
		004	Bradford			007
113	44		Galveston-Texas City, TX PMSA	2920		
			Texas		48	
		084	Galveston			167
114	15		Gary-Hammond, IN PMSA	2960		
			Indiana		18	
		045	Lake			089
		064	Porter			127
115	33		Glens Falls, NY MSA	2975		
			New York		36	
		053	Warren			113
		054	Washington			115
116	35		Grand Forks, ND MSA	2985		
			North Dakota		38	
		018	Grand Forks			035
117	23		Grand Rapids, MI MSA	3000		
			Michigan		26	
		041	Kent			081
		070	Ottawa			139
118	27		Great Falls, MT MSA	3040		
			Montana		30	
		007	Cascade			013
119	06		Greeley, CO MSA	3060		
			Colorado		08	
		062	Weld			123
120	50		Green Bay, WI MSA	3080		
			Wisconsin		55	
		005	Brown			009
121	34		Greensboro--Winston-Salem--High Point, NC MSA	3120		
			North Carolina		37	
		029	Davidson			057
		030	Davie			059
		034	Forsyth			067
		041	Guilford			081
		076	Randolph			151
		085	Stokes			169
		099	Yadkin			197
122	41		Greenville-Spartanburg, SC MSA	3160		
			South Carolina		45	
		023	Greenville			045
		039	Pickens			077
		042	Spartanburg			083
123	21		Hagerstown, MD MSA	3180		
			Maryland		24	
		022	Washington			043
124	36		Hamilton-Middletown, OH PMSA	3200		
			Ohio		39	
		009	Butler			017
125	39		Harrisburg-Lebanon-Carlisle, PA MSA	3240		
			Pennsylvania		42	
		021	Cumberland			041
		022	Dauphin			043
		038	Lebanon			075
		050	Perry			099
126	07		Hartford-New Britain-Middletown, CT NECMA	3283		
			Connecticut		09	
		002	Hartford			003
		004	Middlesex			007
		007	Tolland			013

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
127	34		Hickory-Morganton, NC MSA	3290		
			North Carolina		37	
		002	Alexander			003
		012	Burke			023
		018	Catawba			035
128	12		Honolulu, HI MSA	3320		
			Hawaii		15	
		002	Honolulu			003
129	19		Houma-Thibodaux, LA MSA	3350		
			Louisiana		22	
		029	Lafourche			057
		055	Terrebonne			109
130	44		Houston, TX PMSA	3360		
			Texas		48	
		079	Fort Bend			157
		101	Harris			201
		146	Liberty			291
		170	Montgomery			339
		237	Waller			473
131	18		Huntington-Ashland, WV-KY-OH MSA	3400		
			Kentucky		21	
		010	Boyd			019
		022	Carter			043
		045	Greenup			089
		36	Ohio		39	
		044	Lawrence			087
		49	West Virginia		54	
		006	Cabell			011
		050	Wayne			099
132	01		Huntsville, AL MSA	3440		
			Alabama		01	
		045	Madison			089
133	15		Indianapolis, IN MSA	3480		
			Indiana		18	
		006	Boone			011
		029	Hamilton			057
		030	Hancock			059
		032	Hendricks			063
		041	Johnson			081
		049	Marion			097
		055	Morgan			109
		073	Shelby			145
134	16		Iowa City, IA MSA	3500		
			Iowa		19	
		052	Johnson			103
135	23		Jackson, MI MSA	3520		
			Michigan		26	
		038	Jackson			075
136	25		Jackson, MS MSA	3560		
			Mississippi		28	
		025	Hinds			049
		045	Madison			089
		061	Rankin			121
137	43		Jackson, TN MSA	3580		
			Tennessee		47	
		057	Madison			113
138	10		Jacksonville, FL MSA	3600		
			Florida		12	
		010	Clay			019
		016	Duval			031
		045	Nassau			089
		055	St. Johns			109

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Area	State	County		Area	State	Cnty
139	34	067	Jacksonville, NC MSA North Carolina Onslow	3605	37	133
140	33	006	Jamestown-Dunkirk, NY MSA New York Chautauqua	3610	36	013
141	50	054	Janesville-Beloit, WI MSA Wisconsin Rock	3620	55	105
142	31	009	Jersey City, NJ PMSA New Jersey Hudson	3640	34	017
143	43	010 037 082 086 090	Johnson City-Kingsport-Bristol, TN-VA MSA Tennessee Carter Hawkins Sullivan Unicoi Washington	3660	47	019 073 163 171 179
	47	015 115 129	Virginia Bristol city Scott Washington		51	520 169 191
144	39	011 056	Johnstown, PA MSA Pennsylvania Cambria Somerset	3680	42	021 111
145	14	032 099	Joliet, IL PMSA Illinois Grundy Will	3690	17	063 197
146	26	049 073	Joplin, MO MSA Missouri Jasper Newton	3710	29	097 145
147	23	039	Kalamazoo, MI MSA Michigan Kalamazoo	3720	26	077
148	14	046	Kankakee, IL MSA Illinois Kankakee	3740	17	091
149	17	046 052 061 105	Kansas City, MO-KS MSA Kansas Johnson Leavenworth Miami Wyandotte	3760	20	091 103 121 209
	26	019 024 048 054 083 089	Missouri Cass Clay Jackson Lafayette Platte Ray		29	037 047 095 107 165 177
150	50	030	Kenosha, WI PMSA Wisconsin Kenosha	3800	55	059
151	44	014 050	Killeen-Temple, TX MSA Texas Bell Coryell	3810	48	027 099

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
152	43		Knoxville, TN MSA	3840		
			Tennessee		47	
		001	Anderson			001
		005	Blount			009
		029	Grainger			057
		045	Jefferson			089
		047	Knox			093
		078	Sevier			155
		087	Union			173
153	15		Kokomo, IN MSA	3850		
			Indiana		18	
		034	Howard			067
		080	Tipton			159
154	50		La Crosse, WI MSA	3870		
			Wisconsin		55	
		032	La Crosse			063
155	19		Lafayette, LA MSA	3880		
			Louisiana		22	
		028	Lafayette			055
		050	St. Martin			099
156	15		Lafayette-West Lafayette, IN MSA	3920		
			Indiana		18	
		079	Tippecanoe			157
157	19		Lake Charles, LA MSA	3960		
			Louisiana		22	
		010	Calcasieu			019
158	14		Lake County, IL PMSA	3965		
			Illinois		17	
		049	Lake			097
159	10		Lakeland-Winter Haven, FL MSA	3980		
			Florida		12	
		053	Polk			105
160	39		Lancaster, PA MSA	4000		
			Pennsylvania		42	
		036	Lancaster			071
161	23		Lansing-East Lansing, MI MSA	4040		
			Michigan		26	
		019	Clinton			037
		023	Eaton			045
		033	Ingham			065
162	44		Laredo, TX MSA	4080		
			Texas		48	
		240	Webb			479
163	32		Las Cruces, NM MSA	4100		
			New Mexico		35	
		008	Dona Ana			013
164	29		Las Vegas, NV MSA	4120		
			Nevada		32	
		003	Clark			003
165	17		Lawrence, KS MSA	4150		
			Kansas		20	
		023	Douglas			045
166	37		Lawton, OK MSA	4200		
			Oklahoma		40	
		016	Comanche			031
167	20		Lewiston-Auburn, ME NECMA	4243		
			Maine		23	
		001	Androscoggin			001

Vital Statistics Codes				FIPS Codes		
Area	State	County	Area Name and County Components	Area	State	Cnty
168	18		Lexington-Fayette, KY MSA	4280		
			Kentucky		21	
		009	Bourbon			017
		025	Clark			049
		034	Fayette, coext. with Lexington-Fayette			067
		057	Jessamine			113
		105	Scott			209
		120	Woodford			239
169	36		Lima, OH MSA	4320		
			Ohio		39	
		002	Allen			003
		006	Auglaize			011
170	28		Lincoln, NE MSA	4360		
			Nebraska		31	
		055	Lancaster			109
171	04		Little Rock-North Little Rock, AR MSA	4400		
			Arkansas		05	
		023	Faulkner			045
		043	Lonoke			085
		060	Pulaski			119
		063	Saline			125
172	44		Longview-Marshall, TX MSA	4420		
			Texas		48	
		092	Gregg			183
		102	Harrison			203
173	36		Lorain-Elyria, OH PMSA	4440		
			Ohio		39	
		047	Lorain			093
174	05		Los Angeles-Long Beach, CA PMSA	4480		
			California		06	
		019	Los Angeles			037
175	15		Louisville, KY-IN MSA	4520		
			Indiana		18	
		010	Clark			019
		022	Floyd			043
		031	Harrison			061
	18		Kentucky		21	
		015	Bullitt			029
		056	Jefferson			111
		093	Oldham			185
		106	Shelby			211
176	44		Lubbock, TX MSA	4600		
			Texas		48	
		152	Lubbock			303
177	47		Lynchburg, VA MSA	4640		
			Virginia		51	
		006	Amherst			009
		020	Campbell			031
		076	Lynchburg city			680
178	11		Macon-Warner Robins, GA MSA	4680		
			Georgia		13	
		011	Bibb			021
		076	Houston			153
		084	Jones			169
		111	Peach			225
179	50		Madison, WI MSA	4720		
			Wisconsin		55	
		013	Dane			025
180	30		Manchester-Nashua, NH NECMA	4763		
			New Hampshire		33	
		006	Hillsborough			011

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Area	State	County		Area	State	Cnty
181	36	070	Mansfield, OH MSA Ohio Richland	4800	39	139
182	44	108	McAllen-Edinburg-Mission, TX MSA Texas Hidalgo	4880	48	215
183	38	015	Medford, OR MSA Oregon Jackson	4890	41	029
184	10	005	Melbourne-Titusville-Palm Bay, FL MSA Florida Brevard	4900	12	009
185	04	018	Memphis, TN-AR-MS MSA Arkansas Crittenden Mississippi De Soto Tennessee Shelby Tipton	4920	05	035
	25	017			28	033
	43	079			47	157
		084				167
186	05	024	Merced, CA MSA California Merced	4940	06	047
187	10	013	Miami-Hialeah, FL PMSA Florida Dade	5000	12	025
188	31	010 012 018	Middlesex-Somerset-Hunterdon, NJ PMSA New Jersey Hunterdon Middlesex Somerset	5015	34	019 023 035
189	44	165	Midland, TX MSA Texas Midland	5040	48	329
190	50	041 046 067 068	Milwaukee, WI PMSA Wisconsin Milwaukee Ozaukee Washington Waukesha	5080	55	079 089 131 133
191	24	002 010 013 019 027 030 062 070 082 086	Minneapolis-St. Paul, MN-WI MSA Minnesota Anoka Carver Chisago Dakota Hennepin Isanti Ramsey Scott Washington Wright Wisconsin St. Croix	5120	27	003 019 025 037 053 059 123 139 163 171
	50	056				55
192	01	002 049	Mobile, AL MSA Alabama Baldwin Mobile	5160	01	003 097
193	05	050	Modesto, CA MSA California Stanislaus	5170	06	099



Vital Statistics Codes				FIPS Codes		
Area	State	County	Area Name and County Components	Area	State	Cnty
194	31		Monmouth-Ocean, NJ PMSA	5190		
			New Jersey		34	
		013	Monmouth			025
		015	Ocean			029
195	19		Monroe, LA MSA	5200		
			Louisiana		22	
		037	Ouachita			073
196	01		Montgomery, AL MSA	5240		
			Alabama		01	
		001	Autauga			001
		026	Elmore			051
		051	Montgomery			101
197	15		Muncie, IN MSA	5280		
			Indiana		18	
		018	Delaware			035
198	23		Muskegon, MI MSA	5320		
			Michigan		26	
		061	Muskegon			121
199	10		Naples, FL MSA	5345		
			Florida		12	
		011	Collier			021
200	43		Nashville, TN MSA	5360		
			Tennessee		47	
		011	Cheatham			021
		019	Davidson			037
		022	Dickson			043
		074	Robertson			147
		075	Rutherford			149
		083	Sumner			165
		094	Williamson			187
		095	Wilson			189
201	33		Nassau-Suffolk, NY PMSA	5380		
			New York		36	
		028	Nassau			059
		048	Suffolk			103
202	22		New Bedford-Fall River-Attleboro, MA NECMA	5403		
			Massachusetts		25	
		003	Bristol			005
203	07		New Haven-Waterbury-Meriden, CT NECMA	5483		
			Connecticut		09	
		005	New Haven			009
204	07		New London-Norwich, CT NECMA	5523		
			Connecticut		09	
		006	New London			011
205	19		New Orleans, LA MSA	5560		
			Louisiana		22	
		026	Jefferson			051
		036	Orleans, coext. with New Orleans city			071
		044	St. Bernard			087
		045	St. Charles			089
		048	St. John the Baptist			095
		052	St. Tammany			103
206	33		New York, NY PMSA	5600		
			New York		36	
		029	New York city			005
		038	Putnam			079
		040	Rockland			087
		056	Westchester			119

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Area	State	County		Area	State	Cnty
207	31		Newark, NJ PMSA	5640		
			New Jersey		34	
		007	Essex			013
		014	Morris			027
		019	Sussex			037
		020	Union			039
208	33		Niagara Falls, NY PMSA	5700		
			New York		36	
		030	Niagara			063
209	47		Norfolk-Virginia Beach-Newport News, VA MSA	5720		
			Virginia		51	
		026	Chesapeake city			550
		052	Gloucester			073
		058	Hampton city			650
		066	James City			095
		087	Newport News city			700
		088	Norfolk city			710
		098	Poquoson city			735
		099	Portsmouth city			740
		123	Suffolk city			800
		127	Virginia Beach city			810
		132	Williamsburg city			830
		136	York			199
210	05		Oakland, CA PMSA	5775		
			California		06	
		001	Alameda			001
		007	Contra Costa			013
211	10		Ocala, FL MSA	5790		
			Florida		12	
		042	Marion			083
212	44		Odessa, TX MSA	5800		
			Texas		48	
		068	Ector			135
213	37		Oklahoma City, OK MSA	5880		
			Oklahoma		40	
		009	Canadian			017
		014	Cleveland			027
		042	Logan			083
		044	McClain			087
		055	Oklahoma			109
		063	Pottawatomie			125
214	48		Olympia, WA MSA	5910		
			Washington		53	
		034	Thurston			067
215	16		Omaha, NE-IA MSA	5920		
			Iowa		19	
		078	Pottawattamie			155
	28		Nebraska		31	
		028	Douglas			055
		077	Sarpy			153
		089	Washington			177
216	33		Orange County, NY PMSA	5950		
			New York		36	
		034	Orange			071
217	10		Orlando, FL MSA	5960		
			Florida		12	
		048	Orange			095
		049	Osceola			097
		059	Seminole			117
218	18		Owensboro, KY MSA	5990		
			Kentucky		21	
		030	Daviess			059

Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
219	05	056	Oxnard-Ventura, CA PMSA California Ventura	6000	06	111
220	10	003	Panama City, FL MSA Florida Bay	6015	12	005
221	36	084	Parkersburg-Marietta, WV-OH MSA Ohio Washington	6020	39	167
	49	054	West Virginia Wood		54	107
222	25	030	Pascagoula, MS MSA Mississippi Jackson	6025	28	059
223	10	017 057	Pensacola, FL MSA Florida Escambia Santa Rosa	6080	12	033 113
224	14	072 090 102	Peoria, IL MSA Illinois Peoria Tazewell Woodford	6120	17	143 179 203
225	31	003 004 008 009 015 023 046 051	Philadelphia, PA-NJ PMSA New Jersey Burlington Camden Gloucester Pennsylvania Bucks Chester Delaware Montgomery Philadelphia, coext. with Philadelphia city	6160	34 42	005 007 015 017 029 045 091 101
226	03	007	Phoenix, AZ MSA Arizona Maricopa	6200	04	013
227	04	035	Pine Bluff, AR MSA Arkansas Jefferson	6240	05	069
228	39	002 026 063 065	Pittsburgh, PA PMSA Pennsylvania Allegheny Fayette Washington Westmoreland	6280	42	003 051 125 129
229	22	002	Pittsfield, MA NECMA Massachusetts Berkshire	6323	25	003
230	20	003	Portland, ME NECMA Maine Cumberland	6403	23	005
231	38	003 026 034 036	Portland, OR PMSA Oregon Clackamas Multnomah Washington Yamhill	6440	41	005 051 067 071
232	30	008 009	Portsmouth-Dover-Rochester, NH NECMA New Hampshire Rockingham Strafford	6453	33	015 017

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Area	State	County		Area	State	Cnty
233	33	013	Poughkeepsie, NY MSA New York Dutchess	6460	36	027
234	40	001 002 004 005	Providence-Pawtucket-Woonsocket, RI NECMA Rhode Island Bristol Kent Providence Washington	6483	44	001 003 007 009
235	45	025	Provo-Orem, UT MSA Utah Utah	6520	49	049
236	06	051	Pueblo, CO MSA Colorado Pueblo	6560	08	101
237	50	052	Racine, WI PMSA Wisconsin Racine	6600	55	101
238	34	032 035 068 092	Raleigh-Durham, NC MSA North Carolina Durham Franklin Orange Wake	6640	37	063 069 135 183
239	42	051	Rapid City, SD MSA South Dakota Pennington	6660	46	103
240	39	006	Reading, PA MSA Pennsylvania Berks	6680	42	011
241	05	045	Redding, CA MSA California Shasta	6690	06	089
242	29	016	Reno, NV MSA Nevada Washoe	6720	32	031
243	48	003 011	Richland-Kennewick-Pasco, WA MSA Washington Benton Franklin	6740	53	005 021
244	47	023 027 030 037 053 059 061 064 086 096 100 102 108	Richmond-Petersburg, VA MSA Virginia Charles City Chesterfield Colonial Heights city Dinwiddie Goochland Hanover Henrico Hopewell city New Kent Petersburg city Powhatan Prince George Richmond city	6760	51	036 041 570 053 075 085 087 670 127 730 145 149 760
245	05	033 036	Riverside-San Bernardino, CA PMSA California Riverside San Bernardino	6780	06	065 071

Metropolitan Statistical Areas Established in 1990  
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Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
246	47		Roanoke, VA MSA	6800	51	
			Virginia			
		014	Botetourt			023
		109	Roanoke			161
		110	Roanoke city			770
		114	Salem city			775
247	24		Rochester, MN MSA	6820	27	
			Minnesota			
		055	Dlmsted			109
248	33		Rochester, NY MSA	6840	36	
			New York			
		024	Livingston			051
		026	Monroe			055
		033	Ontario			069
		035	Orleans			073
		055	Wayne			117
249	14		Rockford, IL MSA	6880	17	
			Illinois			
		004	Boone			007
		101	Winnebago			201
250	05		Sacramento, CA MSA	6920	06	
			California			
		009	El Dorado			017
		031	Placer			061
		034	Sacramento			067
		057	Yolo			113
251	23		Saginaw-Bay City-Midland, MI MSA	6960	26	
			Michigan			
		009	Bay			017
		056	Midland			111
		073	Saginaw			145
252	24		St. Cloud, MN MSA	6980	27	
			Minnesota			
		005	Benton			009
		071	Sherburne			141
		073	Stearns			145
253	26		St. Joseph, MO MSA	7000	29	
			Missouri			
		011	Buchanan			021
254	14		St. Louis, MO-IL MSA	7040	17	
			Illinois			
		014	Clinton			027
		042	Jersey			083
		060	Madison			119
		067	Monroe			133
		082	St. Clair			163
	26		Missouri		29	
		036	Franklin			071
		050	Jefferson			099
		092	St. Charles			183
		096	St. Louis			189
		097	St. Louis city			510
255	38		Salem, OR MSA	7080	41	
			Oregon			
		024	Marion			047
		027	Polk			053
256	05		Salinas-Seaside-Monterey, CA MSA	7120	06	
			California			
		027	Monterey			053
257	45		Salt Lake City-Ogden, UT MSA	7160	49	
			Utah			
		006	Davis			011
		018	Salt Lake			035
		029	Weber			057

Metropolitan Statistical Areas Established in 1990  
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Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
258	44	226	San Angelo, TX MSA Texas Tom Green	7200	48	451
259	44	015 046 094	San Antonio, TX MSA Texas Bexar Comal Guadalupe	7240	48	029 091 187
260	05	037	San Diego, CA MSA California San Diego	7320	06	073
261	05	021 038 041	San Francisco, CA PMSA California Marin San Francisco, coext. with San Francisco city San Mateo	7360	06	041 075 081
262	05	043	San Jose, CA PMSA California Santa Clara	7400	06	085
263	05	042	Santa Barbara-Santa Maria-Lompoc, CA MSA California Santa Barbara	7480	06	083
264	05	044	Santa Cruz, CA PMSA California Santa Cruz	7485	06	087
265	32	016 027	Santa Fe, NM MSA New Mexico Los Alamos Santa Fe	7490	35	028 049
266	05	049	Santa Rosa-Petaluma, CA PMSA California Sonoma	7500	06	097
267	10	058	Sarasota, FL MSA Florida Sarasota	7510	12	115
268	11	025 051	Savannah, GA MSA Georgia Chatham Effingham	7520	13	051 103
269	39	019 035 040 045 066	Scranton--Wilkes-Barre, PA MSA Pennsylvania Columbia Lackawanna Luzerne Monroe Wyoming	7560	42	037 069 079 089 131
270	48	017 031	Seattle, WA PMSA Washington King Snohomish	7600	53	033 061
271	39	043	Sharon, PA MSA Pennsylvania Mercer	7610	42	085
272	50	060	Sheboygan, WI MSA Wisconsin Sheboygan	7620	55	117
273	44	091	Sherman-Denison, TX MSA Texas Grayson	7640	48	181

Metropolitan Statistical Areas Established in 1990  
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Vital Statistics Codes				FIPS Codes		
Area	State	County	Area Name and County Components	Area	State	Cnty
274	19	008 009	Shreveport, LA MSA Louisiana Bossier Caddo	7680	22	015 017
275	16 28	097 022	Sioux City, IA-NE MSA Iowa Woodbury Nebraska Dakota	7720	19 31	193 043
276	42	049	Sioux Falls, SD MSA South Dakota Minnehaha	7760	46	099
277	15	071	South Bend-Mishawaka, IN MSA Indiana St. Joseph	7800	18	141
278	48	032	Spokane, WA MSA Washington Spokane	7840	53	063
279	14	065 084	Springfield, IL MSA Illinois Menard Sangamon	7880	17	129 167
280	26	022 039	Springfield, MO MSA Missouri Christian Greene	7920	29	043 077
281	22	007 008	Springfield, MA NECMA Massachusetts Hampden Hampshire	8003	25	013 015
282	39	014	State College, PA MSA Pennsylvania Centre	8050	42	027
283	36 49	041 005 015	Steubenville-Weirton, OH-WV MSA Ohio Jefferson West Virginia Brooke Hancock	8080	39 54	081 009 029
284	05	039	Stockton, CA MSA California San Joaquin	8120	06	077
285	33	025 032 036	Syracuse, NY MSA New York Madison Onondaga Oswego	8160	36	053 067 075
286	48	027	Tacoma, WA PMSA Washington Pierce	8200	53	053
287	10	020 037	Tallahassee, FL MSA Florida Gadsden Leon	8240	12	039 073
288	10	027 029 051 052	Tampa-St. Petersburg-Clearwater, FL MSA Florida Hernando Hillsborough Pasco Pinellas	8280	12	053 057 101 103

Metropolitan Statistical Areas Established in 1990  
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Vital Statistics Codes				FIPS Codes		
Area	State	County	Area Name and County Components	Area	State	Cnty
289	15		Terre Haute, IN MSA	8320	18	
		011	Indiana			
		084	Clay			021
			Vigo			167
290	04		Texarkana, TX-Texarkana, AR MSA	8360	05	
		046	Arkansas			
			Miller			091
	44		Texas		48	
		019	Bowie			037
291	36		Toledo, OH MSA	8400	39	
			Ohio			
		026	Fulton			051
		048	Lucas			095
		087	Wood			173
292	17		Topeka, KS MSA	8440	20	
			Kansas			
		089	Shawnee			177
293	31		Trenton, NJ PMSA	8480	34	
			New Jersey			
		011	Mercer			021
294	03		Tucson, AZ MSA	8520	04	
			Arizona			
		010	Pima			019
295	37		Tulsa, OK MSA	8560	40	
			Oklahoma			
		019	Creek			037
		057	Osage			113
		066	Rogers			131
		072	Tulsa			143
		073	Wagoner			145
296	01		Tuscaloosa, AL MSA	8600	01	
			Alabama			
		063	Tuscaloosa			125
297	44		Tyler, TX MSA	8640	48	
			Texas			
		212	Smith			423
298	33		Utica-Rome, NY MSA	8680	36	
			New York			
		021	Herkimer			043
		031	Oneida			065
299	05		Vallejo-Fairfield-Napa, CA PMSA	8720	06	
			California			
		028	Napa			055
		048	Solano			095
300	48		Vancouver, WA PMSA	8725	53	
			Washington			
		006	Clark			011
301	44		Victoria, TX MSA	8750	48	
			Texas			
		235	Victoria			469
302	31		Vineland-Millville-Bridgeton, NJ PMSA	8760	34	
			New Jersey			
		006	Cumberland			011
303	05		Visalia-Tulare-Porterville, CA MSA	8780	06	
			California			
		054	Tulare			107
304	44		Waco, TX MSA	8800	48	
			Texas			
		155	McLennan			309



Vital Statistics Codes			Area Name and County Components	FIPS Codes		
Area	State	County		Area	State	Cnty
305			Washington, DC-MD-VA MSA	8840		
	09		Dist. of Columbia		11	
		001	District of Columbia			001
	21		Maryland		24	
		005	Calvert			009
		009	Charles			017
		011	Frederick			021
		016	Montgomery			031
		017	Prince George's			033
	47		Virginia		51	
		003	Alexandria city			510
		008	Arlington			013
		040	Fairfax			059
		041	Fairfax city			600
		042	Falls Church city			610
		073	Loudoun			107
		078	Manassas city			683
		079	Manassas Park city			685
		103	Prince William			153
		121	Stafford			179
306			Waterloo-Cedar Falls, IA MSA	8920		
	16		Iowa		19	
		007	Black Hawk			013
		009	Bremer			017
307			Wausau, WI MSA	8940		
	50		Wisconsin		55	
		037	Marathon			073
308			West Palm Beach-Boca Raton-Delray Beach, FL MSA	8960		
	10		Florida		12	
		050	Palm Beach			099
309			Wheeling, WV-OH MSA	9000		
	36		Ohio		39	
		007	Belmont			013
	49		West Virginia		54	
		026	Marshall			051
		035	Ohio			069
310			Wichita, KS MSA	9040		
	17		Kansas		20	
		008	Butler			015
		040	Harvey			079
		087	Sedgwick			173
311			Wichita Falls, TX MSA	9080		
	44		Texas		48	
		243	Wichita			485
312			Williamsport, PA MSA	9140		
	39		Pennsylvania		42	
		041	Lycoming			081
313			Wilmington, DE-NJ-MD PMSA	9160		
	08		Delaware		10	
		002	New Castle			003
	21		Maryland		24	
		008	Cecil			015
	31		New Jersey		34	
		017	Salem			033
314			Wilmington, NC MSA	9200		
	34		North Carolina		37	
		065	New Hanover			129
315			Worcester-Fitchburg-Leominster, MA NECMA	9243		
	22		Massachusetts		25	
		014	Worcester			027
316			Yakima, WA MSA	9260		
	48		Washington		53	
		039	Yakima			077

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Area	State	County		Area	State	Cnty	
317	39		York, PA MSA	9280	42		
		001	Pennsylvania				
		067	Adams York				001 133
318	36		Youngstown-Warren, OH MSA	9320	39		
		050	Ohio				
		078	Mahoning Trumbull				099 155
319	05		Yuba City, CA MSA	9340	06		
		051	California				
		058	Sutter Yuba				101 115
320	03		Yuma, AZ MSA	9360	04		
		014	Arizona				
			Yuma				027

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
001.0	-	-	-	-	008.3	3	5	2	5	017.1	-	-	-	-
001.1	-	-	-	-	008.4	133	344	211	344	017.2	1	14	13	14
001.9	2	2	-	2	008.5	12	18	6	18	017.3	-	-	-	-
002.0	1	2	1	2	008.6	5	8	3	8	017.4	-	-	-	-
002.1	-	-	-	-	008.8	103	148	45	148	017.5	-	1	1	1
002.2	1	1	-	1	009.0	197	284	87	284	017.6	2	2	-	1
002.3	-	-	-	-	009.2	5	18	13	20	017.7	1	2	1	2
002.9	-	-	-	-	010.0	2	2	-	2	017.8	13	32	20	25
003.0	14	33	19	33	010.1	-	-	-	-	018.0	-	-	-	1
003.1	26	44	18	50	010.8	-	-	-	-	018.8	1	1	-	1
003.2	4	7	4	7	010.9	-	-	-	-	018.9	184	292	108	364
003.8	-	-	-	-	011.0	-	-	-	-	020.0	-	-	-	-
003.9	8	18	10	18	011.1	-	-	-	-	020.1	-	-	-	-
004.0	1	3	2	3	011.2	37	62	27	58	020.2	-	-	-	-
004.1	1	1	-	1	011.3	16	20	6	2	020.3	-	-	-	-
004.2	-	-	-	-	011.4	49	38	7	4	020.4	-	-	-	-
004.3	1	2	1	2	011.5	16	19	3	4	020.5	-	-	-	-
004.8	2	2	-	2	011.6	173	189	27	56	020.8	-	-	-	-
004.9	5	7	2	7	011.7	9	10	2	1	020.9	-	-	-	-
005.0	-	2	2	2	011.8	4	5	1	4	021	2	2	-	2
005.1	2	2	-	2	011.9	985	2806	1823	3366	022.0	-	-	-	-
005.2	-	-	-	-	012.0	15	38	23	17	022.1	-	-	-	-
005.3	-	-	-	-	012.1	-	-	-	-	022.2	-	-	-	-
005.4	-	-	-	-	012.2	-	-	-	-	022.3	-	-	-	-
005.8	-	-	-	-	012.3	-	1	1	1	022.8	-	-	-	-
005.9	1	2	1	2	012.8	4	5	2	2	022.9	-	-	-	-
006.0	-	-	-	-	013.0	42	71	29	96	023.0	-	-	-	-
006.1	-	-	-	-	013.1	-	-	-	-	023.1	-	-	-	-
006.2	-	-	-	-	013.8	1	6	5	6	023.2	-	-	-	-
006.3	1	1	-	1	013.9	3	7	4	7	023.3	-	-	-	-
006.4	-	-	-	-	014	12	25	13	22	023.8	-	-	-	-
006.5	-	-	-	-	015.0	53	104	51	105	023.9	-	-	-	-
006.6	-	-	-	-	015.1	-	2	2	2	024	-	-	-	-
006.8	-	1	1	1	015.2	-	1	1	1	025	-	1	1	1
006.9	4	7	3	7	015.7	-	1	1	1	026.0	-	-	-	-
007.0	-	-	-	-	015.8	-	-	-	-	026.1	-	-	-	-
007.1	1	6	5	6	015.9	1	9	8	6	026.9	-	-	-	-
007.2	7	9	2	256	016.0	6	14	8	14	027.0	78	107	29	107
007.3	-	-	-	-	016.1	3	3	1	2	027.1	-	-	-	-
007.8	-	-	-	-	016.2	-	-	-	-	027.2	4	6	2	6
007.9	-	-	-	-	016.3	-	1	1	1	027.8	-	-	-	-
008.0	3	6	3	6	016.4	-	-	-	-	027.9	-	-	-	-
008.1	-	-	-	-	016.9	-	-	-	-	030.0	-	2	2	2
008.2	-	-	-	-	017.0	80	333	253	333	030.1	-	-	-	-

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CONTROL TOTAL TABLE 1

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	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
030.2	-	-	-	-	040.1	-	-	-	-	050.0	-	-	-	-
030.3	-	-	-	-	040.2	2	6	4	6	050.1	-	-	-	-
030.8	-	-	-	-	040.3	-	-	-	-	050.2	-	-	-	-
030.9	-	5	5	5	040.8	40	55	15	55	050.9	-	-	-	-
031.0	304	2624	2321	2623	041.0	31	65	34	65	051.0	-	-	-	-
031.1	1	1	1	1	041.1	145	427	282	427	051.1	-	-	-	-
031.8	-	3	3	5	041.2	4	9	5	9	051.2	-	-	-	-
031.9	90	458	368	702	041.3	11	26	15	26	051.9	-	-	-	-
032.0	-	-	-	-	041.4	25	70	45	70	052	81	129	48	129
032.1	-	-	-	-	041.5	17	32	15	32	053.0	2	4	2	2
032.2	-	-	-	-	041.6	9	30	21	30	053.1	15	99	84	73
032.3	-	-	-	-	041.7	47	165	118	165	053.2	1	10	9	10
032.8	-	-	-	-	041.8	27	57	30	57	053.7	1	5	4	5
032.9	-	2	2	2	041.9	57	75	19	100	053.8	-	-	-	-
033.0	-	1	1	1	042.0	5609	6305	721	2	053.9	86	477	391	517
033.1	-	-	-	-	042.1	6030	5769	259	14	054.0	-	-	-	-
033.8	-	-	-	-	042.2	2786	3504	730	6	054.1	-	12	12	12
033.9	-	1	1	1	042.9	13865	16410	2575	29398	054.2	-	6	6	6
034.0	4	7	3	7	043.0	-	-	-	-	054.3	94	144	50	148
034.1	-	1	1	1	043.1	99	98	8	184	054.4	-	2	2	2
035	1	10	9	10	043.2	17	39	22	1	054.5	4	8	4	7
036.0	59	66	7	65	043.3	126	131	19	17	054.6	-	-	-	-
036.1	-	-	-	-	043.9	34	69	35	147	054.7	32	68	36	71
036.2	109	132	23	130	044.0	3	4	1	1	054.8	-	1	1	1
036.3	25	34	9	34	044.9	986	1732	752	4895	054.9	48	256	208	275
036.4	-	-	-	-	045.0	-	-	-	-	055.0	1	1	-	-
036.8	-	-	-	-	045.1	-	-	-	-	055.1	21	24	3	1
036.9	5	6	1	10	045.2	-	-	-	-	055.2	-	-	-	-
037	11	16	5	16	045.9	1	1	-	1	055.7	-	-	-	-
038.0	271	1010	739	1026	046.0	-	-	-	-	055.8	-	-	-	-
038.1	1083	4246	3163	4355	046.1	203	223	20	238	055.9	5	6	1	30
038.2	154	345	191	700	046.2	6	9	3	9	056.0	-	-	-	-
038.3	63	245	182	248	046.3	64	73	9	475	056.7	-	-	-	-
038.4	1028	5533	4505	5642	046.8	1	1	-	1	056.8	-	-	-	-
038.8	118	602	484	616	046.9	-	-	-	-	056.9	1	2	1	2
038.9	16974	92156	75183	93759	047.0	-	-	-	-	057.0	-	1	1	1
039.0	-	2	2	2	047.1	-	-	-	-	057.8	1	5	4	5
039.1	30	48	19	47	047.8	-	-	-	-	057.9	-	-	-	-
039.2	-	-	-	-	047.9	47	78	31	81	060.0	-	-	-	-
039.3	-	-	-	-	048	21	23	2	23	060.1	-	-	-	-
039.4	-	-	-	-	049.0	17	22	5	22	060.9	-	-	-	-
039.8	9	18	9	19	049.1	-	-	-	-	061	-	-	-	-
039.9	20	39	19	51	049.8	6	9	3	9	062.0	-	1	1	1
040.0	78	172	94	172	049.9	109	156	47	163	062.1	-	-	-	-

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062.2	1	1	-	1	074.2	8	8	-	8	083.9	-	-	-	-
062.3	9	12	3	12	074.3	-	-	-	-	084.0	1	1	-	1
062.4	-	-	-	-	074.8	1	1	-	1	084.1	-	-	-	-
062.5	-	-	-	-	075	14	27	13	27	084.2	-	1	1	1
062.8	-	-	-	-	076.0	-	-	-	-	084.3	-	-	-	-
062.9	-	1	1	1	076.1	-	-	-	-	084.4	-	-	-	-
063.0	-	-	-	-	076.9	-	-	-	-	084.5	-	-	-	-
063.1	-	-	-	-	077.0	-	-	-	-	084.6	3	7	4	7
063.2	-	-	-	-	077.1	-	-	-	-	084.7	-	-	-	-
063.8	-	-	-	-	077.2	-	-	-	-	084.8	-	-	-	-
063.9	-	-	-	-	077.3	-	-	-	-	084.9	-	-	-	-
064	-	-	-	-	077.4	-	-	-	-	085.0	-	-	-	-
065.0	-	-	-	-	077.8	-	-	-	-	085.1	-	-	-	-
065.1	-	-	-	-	077.9	1	4	3	4	085.2	-	-	-	-
065.2	-	-	-	-	078.0	-	4	4	4	085.3	-	-	-	-
065.3	-	-	-	-	078.1	-	5	5	5	085.4	-	-	-	-
065.4	-	-	-	-	078.2	-	-	-	-	085.5	-	-	-	-
065.8	-	-	-	-	078.3	1	1	-	1	085.9	1	1	-	1
065.9	-	-	-	-	078.4	-	3	3	3	086.0	4	4	-	2
066.0	-	-	-	-	078.5	260	1759	1500	2371	086.1	-	-	-	-
066.1	-	-	-	-	078.6	-	-	-	-	086.2	-	-	-	2
066.2	-	-	-	-	078.7	-	-	-	-	086.3	-	-	-	-
066.3	-	-	-	-	078.8	45	94	49	94	086.4	-	-	-	-
066.8	-	-	-	-	079.0	9	17	8	17	086.5	-	-	-	-
066.9	-	-	-	-	079.1	1	1	-	1	086.9	-	-	-	-
070.0	5	6	1	-	079.2	2	3	1	3	087.0	-	-	-	-
070.1	66	140	74	146	079.3	1	1	-	1	087.1	-	-	-	-
070.2	67	81	14	-	079.8	16	40	24	40	087.9	1	1	-	1
070.3	845	1439	594	1520	079.9	303	499	196	523	088.0	-	-	-	-
070.4	11	21	10	3	080	-	-	-	-	088.8	4	25	21	25
070.5	236	413	177	431	081.0	-	-	-	-	088.9	-	-	-	-
070.6	51	60	9	-	081.1	-	-	-	-	090.0	-	-	-	-
070.9	559	813	254	873	081.2	-	-	-	-	090.1	...	-	-	-
071	3	3	-	3	081.9	-	-	-	-	090.2	4	7	3	7
072.0	-	-	-	-	082.0	13	13	-	13	090.3	-	1	1	1
072.1	-	-	-	-	082.1	-	-	-	-	090.4	4	9	5	9
072.2	-	-	-	-	082.2	-	-	-	-	090.5	2	3	1	3
072.3	-	-	-	-	082.3	-	-	-	-	090.6	...	-	-	-
072.7	-	-	-	-	082.8	-	-	-	-	090.7	-	2	2	2
072.8	-	-	-	-	082.9	-	-	-	-	090.9	21	40	19	41
072.9	1	3	2	3	083.0	-	1	1	1	091.0	-	-	-	-
073	-	1	1	1	083.1	-	-	-	-	091.1	-	-	-	-
074.0	1	1	-	1	083.2	-	-	-	-	091.2	-	-	-	-
074.1	-	-	-	-	083.8	1	1	-	1	091.3	1	2	1	2

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

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091.4	-	-	-	-	102.0	-	-	-	-	115.9	55	195	140	312
091.5	-	-	-	-	102.1	-	-	-	-	116.0	33	52	19	52
091.6	-	-	-	-	102.2	-	-	-	-	116.1	-	-	-	-
091.7	-	-	-	-	102.3	-	-	-	-	116.2	-	-	-	-
091.8	-	-	-	-	102.4	-	-	-	-	117.0	-	-	-	-
091.9	-	4	4	4	102.5	-	-	-	-	117.1	2	5	3	5
092.0	...	-	-	-	102.6	-	-	-	-	117.2	1	1	-	1
092.9	...	1	1	1	102.7	-	-	-	-	117.3	357	717	360	717
093.0	-	3	3	2	102.8	...	-	-	-	117.4	-	1	1	1
093.1	6	9	3	9	102.9	-	-	-	-	117.5	231	355	124	1584
093.2	2	2	-	-	103.0	-	-	-	-	117.6	1	1	-	1
093.8	4	5	3	2	103.1	-	-	-	-	117.7	40	71	31	71
093.9	1	1	-	-	103.2	-	-	-	-	117.8	-	1	1	1
094.0	8	26	18	26	103.3	-	-	-	-	117.9	602	1168	588	1244
094.1	5	15	10	15	103.9	-	-	-	-	118	-	2	2	4
094.2	-	3	3	3	104.0	-	-	-	-	120.0	-	-	-	-
094.3	...	-	-	-	104.8	-	-	-	-	120.1	-	-	-	-
094.8	5	6	2	3	104.9	-	1	1	1	120.2	-	-	-	-
094.9	17	71	54	71	110.0	-	1	1	1	120.3	-	-	-	-
095	1	2	1	1	110.1	-	-	-	-	120.8	-	-	-	-
096	...	3	3	3	110.2	-	-	-	-	120.9	5	6	1	6
097.0	10	45	35	51	110.3	-	-	-	-	121.0	-	-	-	-
097.1	...	11	11	11	110.4	-	1	1	1	121.1	-	1	1	1
097.9	2	74	72	79	110.5	-	-	-	-	121.2	-	-	-	-
098.0	2	4	2	4	110.6	-	-	-	-	121.3	-	1	1	1
098.1	-	-	-	-	110.8	-	1	1	1	121.4	-	-	-	-
098.2	-	1	1	1	110.9	-	5	5	5	121.5	-	-	-	-
098.3	-	-	-	-	111.0	-	-	-	-	121.6	-	-	-	-
098.4	-	-	-	-	111.1	-	-	-	-	121.8	-	-	-	-
098.5	-	-	-	-	111.2	-	-	-	-	121.9	-	-	-	-
098.6	-	-	-	-	111.3	-	-	-	-	122.0	-	-	-	-
098.7	-	-	-	-	111.8	-	1	1	1	122.1	-	-	-	-
098.8	1	4	3	4	111.9	1	4	3	4	122.2	-	-	-	-
099.0	1	1	-	1	112.0	7	158	151	160	122.3	-	-	-	-
099.1	1	1	-	1	112.1	-	-	-	-	122.4	-	-	-	-
099.2	-	-	-	-	112.2	3	24	21	24	122.5	-	-	-	-
099.3	-	7	7	7	112.3	-	2	2	2	122.6	-	-	-	-
099.4	-	-	-	-	112.4	76	115	51	106	122.7	-	-	-	-
099.8	-	-	-	-	112.5	466	880	414	913	122.8	-	-	-	-
099.9	3	6	3	6	112.8	43	263	220	274	122.9	2	2	-	2
100.0	1	1	-	1	112.9	174	509	335	564	123.0	-	-	-	-
100.8	-	-	-	-	114	79	125	46	161	123.1	11	16	5	16
100.9	-	1	1	2	115.0	6	11	5	17	123.2	-	-	-	-
101	-	-	-	-	115.1	-	-	-	-	123.3	-	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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123.4	-	-	-	-	132.9	1	1	-	1	142.0	538	642	105	642
123.5	-	-	-	-	133.0	3	7	4	7	142.1	34	38	4	38
123.6	-	-	-	-	133.8	-	-	-	-	142.2	2	2	-	2
123.8	-	-	-	-	133.9	-	-	-	-	142.8	-	-	-	-
123.9	-	-	-	-	134.0	-	2	2	2	142.9	119	134	15	134
124	-	-	-	-	134.1	-	1	1	1	143.0	23	26	3	26
125.0	-	-	-	-	134.2	-	-	-	-	143.1	57	79	22	79
125.1	-	-	-	-	134.8	-	-	-	-	143.8	-	-	-	-
125.2	-	-	-	-	134.9	-	-	-	-	143.9	44	58	14	58
125.3	-	-	-	-	135	489	890	401	890	144.0	1	1	-	1
125.4	-	-	-	-	136.0	-	-	-	-	144.1	-	-	-	-
125.5	-	-	-	-	136.1	13	19	6	19	144.8	-	-	-	-
125.6	-	-	-	-	136.2	1	1	-	1	144.9	300	384	84	384
125.7	-	-	-	-	136.3	590	730	140	4276	145.0	46	50	4	50
125.9	-	1	1	1	136.4	-	-	-	-	145.1	1	4	3	4
126.0	-	-	-	-	136.5	-	-	-	-	145.2	21	25	4	25
126.1	-	-	-	-	136.8	6	9	3	9	145.3	93	121	28	121
126.2	-	-	-	-	136.9	310	1243	934	2010	145.4	9	14	5	14
126.3	-	-	-	-	137.0	188	618	430	618	145.5	122	163	41	163
126.8	-	-	-	-	137.1	1	1	-	1	145.6	18	28	10	28
126.9	3	4	1	4	137.2	-	2	2	2	145.8	1	2	1	2
127.0	-	1	1	1	137.3	-	7	7	7	145.9	938	1166	228	1218
127.1	-	-	-	-	137.4	-	6	6	6	146.0	541	637	96	637
127.2	15	31	16	32	138	161	680	519	680	146.1	36	45	9	45
127.3	1	1	-	1	139.0	8	11	3	11	146.2	13	16	3	16
127.4	-	-	-	-	139.1	-	-	-	-	146.3	5	8	3	8
127.5	-	-	-	-	139.8	59	146	87	146	146.4	-	1	1	1
127.6	-	-	-	-	140.0	2	4	2	4	146.5	-	-	-	-
127.7	-	-	-	-	140.1	7	15	8	15	146.6	1	1	-	1
127.8	-	-	-	-	140.3	-	-	-	-	146.7	2	2	-	2
127.9	1	2	1	2	140.4	-	-	-	-	146.8	3	3	-	3
128.0	1	1	-	1	140.5	-	-	-	-	146.9	517	609	92	612
128.1	-	-	-	-	140.6	-	-	-	-	147.0	1	1	-	1
128.8	-	-	-	-	140.8	-	-	-	-	147.1	9	10	1	10
128.9	-	-	-	-	140.9	91	118	27	118	147.2	-	-	-	-
129	5	5	-	5	141.0	163	198	35	198	147.3	-	-	-	-
130	85	122	37	1358	141.1	-	-	-	-	147.8	-	-	-	-
131.0	-	-	-	-	141.2	2	2	-	2	147.9	687	785	98	785
131.8	-	-	-	-	141.3	1	1	-	1	148.0	2	2	-	2
131.9	-	-	-	-	141.4	1	3	2	3	148.1	194	232	38	232
132.0	-	-	-	-	141.5	-	1	1	1	148.2	1	2	1	2
132.1	-	1	1	1	141.6	16	20	4	20	148.3	-	-	-	-
132.2	-	-	-	-	141.8	-	-	-	-	148.8	-	-	-	-
132.3	-	-	-	-	141.9	1686	2078	392	2078	148.9	265	319	54	321

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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149.0	1665	2142	477	2154	155.2	3331	3969	638	4009	163.9	450	534	84	534
149.1	-	-	-	-	156.0	2095	2268	173	2268	164.0	131	160	29	160
149.8	-	-	-	-	156.1	983	1092	109	1092	164.1	55	80	25	80
149.9	-	1	1	1	156.2	286	330	44	330	164.2	5	5	-	5
150.0	8	8	-	8	156.8	1	1	-	1	164.3	2	2	-	2
150.1	2	3	1	3	156.9	537	587	50	600	164.8	-	-	-	-
150.2	-	-	-	-	157.0	547	585	38	585	164.9	204	273	69	273
150.3	10	12	2	12	157.1	36	42	6	42	165.0	6	6	-	6
150.4	13	15	2	15	157.2	35	47	12	47	165.8	2	2	-	2
150.5	109	127	18	127	157.3	10	11	1	11	165.9	8	12	4	12
150.8	1	1	-	1	157.4	111	119	8	119	170.0	70	81	11	81
150.9	9825	10956	1131	10959	157.8	-	-	-	-	170.1	89	127	38	127
151.0	676	724	48	724	157.9	24797	26133	1336	26157	170.2	104	147	43	147
151.1	10	11	1	11	158.0	298	334	36	334	170.3	19	22	3	22
151.2	11	16	5	16	158.8	49	59	10	59	170.4	19	29	10	29
151.3	3	4	1	4	158.9	239	282	43	285	170.5	2	2	-	2
151.4	1	2	1	2	159.0	952	1183	231	1208	170.6	59	68	9	68
151.5	4	4	-	4	159.1	15	26	11	26	170.7	65	80	15	80
151.6	-	-	-	-	159.8	3	3	-	3	170.8	-	-	-	-
151.8	1	1	-	1	159.9	470	549	80	567	170.9	712	846	134	854
151.9	13519	14933	1414	14939	160.0	46	58	12	58	171.0	77	92	15	92
152.0	428	497	69	497	160.1	8	9	1	9	171.2	46	56	10	56
152.1	53	59	6	59	160.2	227	263	36	263	171.3	177	213	36	213
152.2	74	81	7	81	160.3	32	39	7	39	171.4	71	86	15	86
152.3	2	2	-	2	160.4	11	13	2	13	171.5	181	209	28	209
152.8	4	6	2	6	160.5	18	22	4	22	171.6	104	118	14	118
152.9	473	527	54	530	160.8	1	1	-	1	171.7	7	8	1	8
153.0	22	28	6	28	160.9	163	200	37	202	171.8	2	3	2	3
153.1	164	202	38	202	161.0	70	125	55	125	171.9	2637	2850	213	2879
153.2	224	276	52	276	161.1	200	254	54	254	172.0	5	6	1	6
153.3	1062	1317	257	1324	161.2	10	13	3	13	172.1	4	5	1	5
153.4	815	1118	303	1118	161.3	1	2	1	2	172.2	19	24	5	24
153.5	123	142	19	142	161.8	1	1	-	1	172.3	63	88	25	88
153.6	650	808	158	808	161.9	3707	5140	1433	5152	172.4	87	96	9	96
153.7	24	27	3	27	162.0	133	178	45	178	172.5	199	213	14	213
153.8	3	4	1	4	162.2	99	121	22	121	172.6	111	120	9	120
153.9	45096	53452	8356	53619	162.3	1003	1177	175	1177	172.7	129	152	23	152
154.0	1353	1516	163	1448	162.4	45	69	24	69	172.8	1	-	-	-
154.1	6291	7618	1327	7687	162.5	331	425	94	425	172.9	5833	6375	542	6450
154.2	32	36	4	36	162.8	6	6	-	6	173.0	5	11	6	12
154.3	306	369	63	369	162.9	142141	154056	11917	154119	173.1	11	23	12	23
154.8	78	92	14	92	163.0	2	6	4	6	173.2	115	181	66	181
155.0	4019	4376	357	4376	163.1	-	-	-	-	173.3	241	484	243	489
155.1	1497	1573	77	1573	163.8	1	1	-	1	173.4	1038	1306	268	1306



MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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173.5	79	109	30	110	187.4	198	264	66	264	192.1	131	170	39	170
173.6	43	65	22	65	187.5	1	1	-	1	192.2	64	87	23	87
173.7	54	79	25	79	187.6	3	5	2	5	192.3	-	-	-	-
173.8	1	-	-	1	187.7	8	13	5	13	192.8	1	1	-	1
173.9	620	1116	496	3689	187.8	4	4	-	4	192.9	63	79	17	84
174.0	6	14	8	14	187.9	11	17	6	17	193	1026	1275	249	1275
174.1	-	-	-	-	188.0	-	-	-	-	194.0	524	602	78	602
174.2	-	-	-	-	188.1	2	2	-	2	194.1	13	17	4	17
174.3	-	-	-	-	188.2	-	-	-	-	194.3	38	65	27	65
174.4	-	-	-	-	188.3	-	-	-	-	194.4	26	28	2	28
174.5	1	1	-	1	188.4	1	1	-	1	194.5	4	4	-	4
174.6	-	-	-	-	188.5	3	3	-	3	194.6	10	12	2	12
174.8	-	-	-	-	188.6	2	2	-	2	194.8	2	4	2	4
174.9	43576	52525	8949	52528	188.7	16	16	-	16	194.9	63	69	6	69
175	266	364	98	364	188.8	1	2	1	2	195.0	1623	1893	270	2245
179	2952	3648	696	3709	188.9	10381	14044	3663	14044	195.1	210	253	43	300
180.0	33	36	3	36	189.0	10135	11856	1721	11856	195.2	1106	1256	150	1472
180.1	-	-	-	-	189.1	135	148	13	148	195.3	321	397	76	459
180.8	3	5	2	5	189.2	331	444	113	444	195.4	16	26	10	30
180.9	4478	5062	584	5062	189.3	125	170	45	170	195.5	53	67	14	88
181	25	29	4	29	189.4	-	-	-	-	195.8	46	51	5	62
182.0	2973	3495	522	3495	189.8	2	1	-	1	196.0	...	148	148	148
182.1	-	-	-	-	189.9	46	52	6	55	196.1	...	128	128	128
182.8	-	1	1	1	190.0	7	9	2	9	196.2	...	167	167	167
183.0	13028	14067	1039	14067	190.1	34	55	21	55	196.3	...	38	38	38
183.2	199	216	17	216	190.2	2	3	1	3	196.5	...	20	20	20
183.3	3	3	-	3	190.3	1	1	-	1	196.6	...	11	11	11
183.4	-	1	1	1	190.4	-	-	-	-	196.8	...	-	-	-
183.5	-	-	-	-	190.5	33	46	13	46	196.9	...	1531	1531	1531
183.8	5	5	-	5	190.6	12	12	-	12	197.0	...	18686	18686	18686
183.9	12	14	2	15	190.7	3	3	-	3	197.1	...	692	692	692
184.0	365	452	87	452	190.8	1	1	-	1	197.2	...	1265	1265	1265
184.1	7	7	-	7	190.9	157	205	48	207	197.3	...	277	277	277
184.2	-	-	-	-	191.0	372	400	28	400	197.4	...	142	142	142
184.3	2	3	1	3	191.1	132	143	11	143	197.5	...	2433	2433	2433
184.4	614	775	161	777	191.2	130	139	9	139	197.6	...	1503	1503	1503
184.8	44	45	1	45	191.3	103	112	9	112	197.7	...	27252	27252	27252
184.9	43	55	12	57	191.4	21	24	3	24	197.8	...	1918	1918	1918
185	33564	45264	11700	45265	191.5	10	14	4	14	198.0	...	616	616	616
186.0	2	2	-	2	191.6	204	224	20	224	198.1	...	682	682	682
186.9	364	446	82	446	191.7	189	198	9	198	198.2	...	658	658	658
187.1	1	1	-	1	191.8	70	73	3	73	198.3	...	20009	20009	20009
187.2	2	3	1	3	191.9	10453	11139	687	11157	198.4	...	1153	1153	1153
187.3	-	-	-	-	192.0	9	12	3	12	198.5	...	16208	16208	16208

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	TOTAL RECORD MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	TOTAL RECORD MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	TOTAL RECORD MENTION	AXIS SECOND- ARY	ENTITY AXIS
198.6	...	362	362	362	206.9	27	42	15	43	213.4	-	-	-	-
198.7	...	720	720	720	207.0	97	107	10	107	213.5	-	-	-	-
198.8	...	11567	11567	11567	207.1	-	-	-	-	213.6	-	2	2	2
199.0	1570	25196	23626	25196	207.2	32	34	2	34	213.7	-	-	-	-
199.1	29964	65403	35439	56802	207.8	57	75	18	75	213.8	-	-	-	-
200.0	344	415	71	421	208.0	2795	3029	236	3179	213.9	2	3	1	4
200.1	826	999	173	999	208.1	198	328	130	329	214	10	23	13	23
200.2	147	154	7	203	208.2	8	9	1	9	215.0	2	4	2	4
200.8	369	423	54	466	208.8	20	24	4	26	215.2	-	1	1	1
201.0	2	1	-	1	208.9	1884	2490	607	2652	215.3	-	-	-	-
201.1	-	-	-	-	210.0	-	-	-	-	215.4	1	1	-	1
201.2	1	1	-	1	210.1	-	-	-	-	215.5	1	1	-	1
201.4	1	1	-	1	210.2	4	14	10	14	215.6	-	1	1	1
201.5	18	20	2	20	210.3	-	-	-	-	215.7	-	-	-	-
201.6	9	9	-	9	210.4	1	2	1	2	215.8	-	-	-	-
201.7	2	2	-	2	210.5	-	-	-	-	215.9	17	53	36	53
201.9	1592	2083	491	2085	210.6	-	-	-	-	216.0	-	-	-	-
202.0	205	250	45	250	210.7	1	1	-	1	216.1	-	-	-	-
202.1	129	177	48	177	210.8	-	-	-	-	216.2	-	-	-	-
202.2	8	15	7	15	210.9	-	-	-	-	216.3	-	-	-	-
202.3	16	17	1	17	211.0	2	2	-	2	216.4	1	2	1	2
202.4	107	170	63	170	211.1	9	48	39	48	216.5	3	6	3	6
202.5	1	2	1	2	211.2	2	7	5	7	216.6	-	1	1	1
202.6	3	4	1	4	211.3	58	310	252	310	216.7	-	4	4	4
202.8	17491	21043	3555	22024	211.4	1	5	4	5	216.8	-	-	-	-
202.9	54	74	20	77	211.5	8	16	8	16	216.9	27	46	19	46
203.0	9237	11150	1913	11150	211.6	11	18	7	18	217	1	9	8	9
203.1	51	78	27	78	211.7	11	30	19	30	218	20	79	59	79
203.8	32	47	15	47	211.8	2	3	1	3	219.0	-	-	-	-
204.0	1453	1590	137	1618	211.9	2	6	4	6	219.1	-	-	-	-
204.1	3893	6273	2380	6273	212.0	4	7	3	7	219.8	-	-	-	-
204.2	4	6	2	6	212.1	3	6	3	6	219.9	2	7	5	8
204.8	2	5	3	5	212.2	-	1	1	1	220	17	48	31	48
204.9	338	454	116	463	212.3	11	16	5	16	221.0	-	-	-	-
205.0	5264	5584	321	5702	212.4	1	1	-	1	221.1	-	1	1	1
205.1	2357	2908	551	2908	212.5	2	2	-	2	221.2	-	-	-	-
205.2	12	14	2	14	212.6	15	34	19	34	221.8	-	-	-	-
205.3	15	19	4	19	212.7	49	85	36	85	221.9	-	-	-	-
205.8	2	3	1	3	212.8	-	-	-	-	222.0	2	2	-	2
205.9	269	314	45	326	212.9	-	1	1	1	222.1	-	-	-	-
206.0	195	208	13	208	213.0	2	3	1	3	222.2	2	3	1	3
206.1	21	28	7	28	213.1	3	6	3	6	222.3	-	-	-	-
206.2	2	2	-	2	213.2	4	10	6	10	222.4	-	-	-	-
206.8	-	-	-	-	213.3	-	-	-	-	222.8	-	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
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ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
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222.9	-	-	-	-	230.6	-	-	-	-	236.3	-	-	-	-
223.0	4	10	6	10	230.7	1	2	1	2	236.4	-	-	-	-
223.1	-	-	-	-	230.8	1	1	-	1	236.5	-	-	-	-
223.2	-	-	-	-	230.9	-	-	-	-	236.6	-	-	-	-
223.3	-	2	2	2	231.0	-	-	-	-	236.7	1	7	6	7
223.8	-	-	-	-	231.1	-	-	-	-	236.9	8	14	6	14
223.9	-	-	-	-	231.2	-	2	2	2	237.0	53	80	27	80
224.0	1	1	-	1	231.8	1	1	-	1	237.1	3	7	4	7
224.1	-	-	-	-	231.9	-	-	-	-	237.2	1	1	-	1
224.2	-	-	-	-	232.0	-	1	1	1	237.3	7	13	6	13
224.3	-	-	-	-	232.1	-	-	-	-	237.4	2	5	3	5
224.4	-	-	-	-	232.2	-	-	-	-	237.5	23	31	8	31
224.5	-	-	-	-	232.3	-	1	1	1	237.6	1	1	-	1
224.6	-	-	-	-	232.4	-	1	1	1	237.7	77	254	177	254
224.7	-	-	-	-	232.5	-	-	-	-	237.9	1	1	-	1
224.8	-	-	-	-	232.6	-	1	1	1	238.0	13	20	7	20
224.9	-	2	2	2	232.7	-	-	-	-	238.1	30	45	15	45
225.0	105	160	55	160	232.8	-	-	-	-	238.2	-	-	-	-
225.1	38	72	34	72	232.9	-	7	7	7	238.3	6	6	-	6
225.2	723	1417	694	1417	233.0	-	2	2	2	238.4	364	1255	891	1255
225.3	2	6	4	6	233.1	1	3	2	3	238.5	-	-	-	-
225.4	-	1	1	1	233.2	1	2	1	2	238.6	48	90	42	90
225.8	-	-	-	-	233.3	-	1	1	1	238.7	899	1651	752	1651
225.9	4	4	-	4	233.4	-	2	2	2	238.8	11	24	13	24
226	4	12	8	12	233.5	-	-	-	-	238.9	88	171	83	174
227.0	23	82	59	82	233.6	-	-	-	-	239.0	331	604	273	640
227.1	9	41	32	41	233.7	1	2	1	2	239.1	403	747	344	762
227.3	80	219	139	219	233.9	-	-	-	-	239.2	32	65	33	66
227.4	1	1	-	1	234.0	-	-	-	-	239.3	9	39	30	39
227.5	-	1	1	1	234.8	-	2	2	2	239.4	39	136	97	139
227.6	1	1	-	1	234.9	1	7	6	7	239.5	87	223	136	230
227.8	-	-	-	-	235.0	-	-	-	-	239.6	2393	3000	607	3212
227.9	1	1	-	1	235.1	2	2	-	2	239.7	185	388	203	391
228.0	44	94	50	94	235.2	60	133	73	133	239.8	225	434	209	437
228.1	42	104	62	104	235.3	19	22	3	22	239.9	83	149	66	345
229.0	-	1	1	1	235.4	2	3	1	3	240.0	-	1	1	1
229.8	6	12	6	12	235.5	9	18	9	19	240.9	24	218	194	226
229.9	28	46	18	47	235.6	1	1	-	1	241.0	-	17	17	17
230.0	1	3	2	3	235.7	28	45	17	45	241.1	5	48	43	48
230.1	-	-	-	-	235.8	3	10	7	10	241.9	2	23	21	23
230.2	-	-	-	-	235.9	-	1	1	1	242.0	28	138	110	129
230.3	1	6	5	6	236.0	1	3	2	3	242.1	-	2	2	2
230.4	2	3	1	3	236.1	2	4	2	4	242.2	4	18	14	18
230.5	-	-	-	-	236.2	3	6	3	6	242.3	2	4	2	4

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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242.4	-	3	3	3	253.0	9	54	45	54	259.8	6	19	13	19
242.8	-	-	-	-	253.1	1	3	2	3	259.9	7	26	19	33
242.9	141	590	449	608	253.2	57	379	322	379	260	75	252	179	280
243	3	16	13	16	253.3	1	6	5	6	261	229	1944	1730	1999
244.0	...	11	11	11	253.4	-	-	-	-	262	16	63	48	57
244.1	-	1	1	1	253.5	49	198	149	198	263.0	-	3	3	5
244.2	1	2	1	2	253.6	89	644	555	644	263.1	2	7	5	7
244.3	-	-	-	-	253.7	1	2	1	2	263.2	8	11	5	-
244.8	-	1	1	1	253.8	6	21	15	21	263.8	1	4	3	4
244.9	780	9277	8498	9279	253.9	1	10	9	13	263.9	2521	26484	23965	27260
245.0	1	1	-	1	254.0	2	4	2	4	264.0	-	-	-	-
245.1	-	-	-	-	254.1	-	1	1	1	264.1	-	-	-	-
245.2	4	27	23	27	254.8	1	7	6	7	264.2	-	-	-	-
245.3	1	2	1	2	254.9	1	2	1	2	264.3	-	-	-	-
245.4	-	1	1	1	255.0	31	238	207	238	264.4	-	-	-	-
245.8	-	17	17	17	255.1	5	23	18	23	264.5	-	-	-	-
245.9	2	26	24	27	255.2	7	10	3	10	264.6	-	-	-	-
246.0	-	-	-	-	255.3	3	17	14	17	264.7	-	-	-	-
246.1	1	3	2	3	255.4	144	951	807	952	264.8	-	-	-	-
246.2	-	2	2	2	255.5	-	8	8	8	264.9	2	4	2	4
246.3	-	2	2	2	255.6	-	2	2	2	265.0	1	5	4	5
246.8	2	9	7	9	255.8	9	47	38	47	265.1	9	60	52	62
246.9	12	132	120	136	255.9	9	37	28	37	265.2	2	3	1	3
250.0	36745	142312	105610	163310	256.0	-	-	-	-	266.0	1	2	2	3
250.1	1694	2810	1117	1801	256.1	-	-	-	-	266.1	1	1	-	1
250.2	1138	1804	666	1063	256.2	-	-	-	-	266.2	11	203	192	254
250.3	4278	8619	4356	1675	256.3	-	1	1	1	266.9	-	5	5	5
250.4	97	350	253	163	256.4	-	2	2	2	267	2	9	7	10
250.5	329	857	528	373	256.8	-	-	-	-	268.0	1	9	8	9
250.6	3509	8775	5273	177	256.9	-	1	1	1	268.1	-	-	-	-
250.7	1001	2320	1322	240	257.0	-	-	-	-	268.2	3	21	18	21
250.9	160	197	40	249	257.1	-	-	-	-	268.9	-	5	5	5
251.0	25	74	51	157	257.2	1	7	6	7	269.0	-	5	5	7
251.1	2	7	5	7	257.8	-	-	-	-	269.1	-	1	1	1
251.2	152	1284	1132	1301	257.9	-	-	-	-	269.2	1	6	5	7
251.3	...	1	1	1	258.0	-	3	3	3	269.3	2	4	4	9
251.4	-	-	-	-	258.1	3	4	1	4	269.8	4	20	16	21
251.5	11	41	30	41	258.8	1	1	-	1	269.9	99	973	874	1025
251.8	1	45	44	45	258.9	1	10	9	10	270.0	9	17	8	17
251.9	3	3	-	3	259.0	-	-	-	-	270.1	2	5	3	5
252.0	75	387	312	387	259.1	-	1	1	1	270.2	13	24	11	24
252.1	8	131	123	131	259.2	27	61	34	61	270.3	4	5	1	5
252.8	-	-	-	-	259.3	-	2	2	2	270.4	1	1	-	1
252.9	3	6	3	6	259.4	63	116	53	116	270.5	-	-	-	-

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 MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
 CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
 OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

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270.6	46	67	21	67	276.6	49	313	265	313	283.0	94	300	206	300
270.7	14	22	8	22	276.7	239	3609	3370	3609	283.1	58	201	143	202
270.8	2	3	1	3	276.8	91	994	903	994	283.2	10	18	8	18
270.9	2	3	1	3	276.9	338	3318	2980	4387	283.9	25	61	36	61
271.0	30	44	14	44	277.0	424	463	39	463	284.0	34	80	46	31
271.1	1	1	-	1	277.1	9	37	28	37	284.8	425	3240	2815	3325
271.2	-	4	4	4	277.2	2	7	5	7	284.9	799	1794	996	1896
271.3	14	211	197	211	277.3	735	1105	370	1105	285.0	158	428	270	420
271.4	5	13	8	13	277.4	2	9	7	9	285.1	13	37	24	27
271.8	1	2	1	2	277.5	76	96	20	96	285.8	64	225	161	225
271.9	-	1	1	1	277.6	152	208	56	208	285.9	1504	31632	30128	32473
272.0	718	2541	1825	2569	277.8	56	90	34	90	286.0	81	359	278	360
272.1	25	63	39	91	277.9	302	1542	1240	1755	286.1	3	20	17	20
272.2	8	44	36	16	278.0	1388	8879	7491	8960	286.2	-	2	2	2
272.3	1	4	3	4	278.1	-	-	-	-	286.3	30	118	88	118
272.4	795	2836	2041	2850	278.2	-	-	-	-	286.4	13	42	29	42
272.5	6	24	18	24	278.3	4	4	-	4	286.5	5	14	9	14
272.6	1	1	-	1	278.4	-	1	1	1	286.6	700	5083	4383	5083
272.7	71	107	36	107	278.8	138	225	87	225	286.7	6	16	10	14
272.8	10	22	12	22	279.0	25	95	70	95	286.9	431	3199	2769	3261
272.9	9	36	27	37	279.1	15	32	17	32	287.0	8	32	24	32
273.0	4	9	5	9	279.2	24	40	16	41	287.1	8	22	14	22
273.1	38	181	143	181	279.3	628	1398	770	1447	287.2	7	25	18	27
273.2	66	124	58	124	279.4	222	366	144	371	287.3	293	681	388	681
273.3	291	536	245	536	279.8	20	45	25	45	287.4	4	52	48	52
273.8	137	1166	1029	1166	279.9	9	22	13	22	287.5	428	4459	4031	4514
273.9	12	25	13	26	280	119	1570	1451	1499	287.8	1	2	1	2
274.0	27	260	233	222	281.0	89	1391	1302	1391	287.9	51	299	248	374
274.1	9	12	7	7	281.1	3	13	10	13	288.0	381	3061	2680	3074
274.8	1	6	5	1	281.2	15	132	117	131	288.1	16	30	14	30
274.9	41	1224	1184	1276	281.3	4	4	-	4	288.2	4	5	1	5
275.0	185	440	255	469	281.4	2	5	4	1	288.3	9	57	48	57
275.1	12	15	3	15	281.8	8	199	191	1	288.8	134	596	462	597
275.2	5	43	38	43	281.9	58	294	237	183	288.9	1	6	5	6
275.3	8	38	30	38	282.0	2	25	23	25	289.0	2	56	54	56
275.4	135	4523	4389	4523	282.1	-	1	1	1	289.1	-	-	-	-
275.8	-	2	2	2	282.2	1	6	5	6	289.2	-	6	6	6
275.9	-	1	1	1	282.3	10	18	8	18	289.3	5	16	11	16
276.0	286	1332	1046	1332	282.4	26	115	89	115	289.4	22	183	161	184
276.1	234	2154	1920	2154	282.5	6	33	27	37	289.5	105	522	417	525
276.2	798	6701	5903	7697	282.6	419	638	219	640	289.6	-	2	2	2
276.3	10	87	77	87	282.7	3	11	8	12	289.7	2	6	4	6
276.4	-	4	4	4	282.8	2	2	-	2	289.8	2336	5420	3087	5455
276.5	3018	23938	20920	23950	282.9	170	573	403	582	289.9	106	540	434	700

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
290.0	3317	14544	11233	14516	296.8	1	5	4	5	302.5	-	1	1	1
290.1	4598	10936	6338	10264	296.9	3	58	55	60	302.6	-	-	-	-
290.2	81	600	522	70	297.0	-	-	-	-	302.7	-	1	1	1
290.3	16	20	4	-	297.1	5	48	43	48	302.8	-	2	2	2
290.4	2094	7162	5069	6317	297.2	1	4	3	4	302.9	-	1	1	1
290.8	2	5	3	5	297.3	1	2	1	2	303	5046	14313	9268	19777
290.9	3	9	6	9	297.8	-	-	-	-	304.0	29	51	22	51
291.0	132	256	133	275	297.9	9	82	73	82	304.1	-	1	1	1
291.1	11	7	2	4	298.0	1	3	2	3	304.2	11	32	21	32
291.2	87	103	74	100	298.1	-	5	5	5	304.3	-	-	-	-
291.3	-	1	1	1	298.2	1	3	2	3	304.4	1	2	1	2
291.4	-	-	-	-	298.3	-	1	1	1	304.5	-	-	-	-
291.5	-	-	-	-	298.4	-	1	1	1	304.6	12	83	71	83
291.8	124	212	93	247	298.8	1	5	4	5	304.7	2	2	-	2
291.9	6	100	98	1	298.9	4278	15251	10981	15532	304.8	-	1	1	1
292.0	4	15	11	15	299.0	3	12	9	12	304.9	226	536	310	537
292.1	-	-	-	-	299.1	-	-	-	-	305.0	803	3625	2823	5765
292.2	-	-	-	-	299.8	-	-	-	-	305.1	193	17046	16853	17047
292.8	3	4	1	4	299.9	-	2	2	2	305.2	-	21	21	21
292.9	1	6	5	6	300.0	9	482	473	484	305.3	-	2	2	2
293.0	4	14	10	15	300.1	13	26	13	26	305.4	1	12	11	12
293.1	-	-	-	-	300.2	-	7	7	7	305.5	20	55	35	55
293.8	-	1	1	1	300.3	1	10	9	10	305.6	153	586	433	586
293.9	3	18	15	18	300.4	18	284	266	282	305.7	2	23	21	23
294.0	12	112	100	112	300.5	2	13	11	13	305.8	-	3	3	3
294.8	-	1	1	1	300.6	-	-	-	-	305.9	531	3525	2994	3605
294.9	87	2405	2319	20167	300.7	-	1	1	1	306.0	-	1	1	1
295.0	76	237	161	237	300.8	1	2	1	2	306.1	1	6	5	6
295.1	1	12	11	12	300.9	27	234	207	236	306.2	6	49	43	49
295.2	13	41	28	41	301.0	-	7	7	7	306.3	-	-	-	-
295.3	13	258	245	258	301.1	-	3	3	3	306.4	1	6	5	6
295.4	-	1	1	1	301.2	-	11	11	11	306.5	-	1	1	1
295.5	-	-	-	-	301.3	-	2	2	2	306.6	-	-	-	-
295.6	40	540	500	540	301.4	-	2	2	2	306.7	-	-	-	-
295.7	3	46	43	46	301.5	-	1	1	1	306.8	-	-	-	-
295.8	1	6	5	6	301.6	-	1	1	1	306.9	-	-	-	-
295.9	106	1803	1697	1804	301.7	-	4	4	4	307.0	-	1	1	1
296.0	-	10	10	10	301.8	-	2	2	2	307.1	54	121	67	121
296.1	20	208	188	208	301.9	8	81	73	84	307.2	1	11	10	11
296.2	-	7	7	7	302.0	1	31	30	31	307.3	-	-	-	-
296.3	-	6	6	6	302.1	-	-	-	-	307.4	1	1	-	1
296.4	-	3	3	3	302.2	-	-	-	-	307.5	93	404	311	404
296.5	9	217	208	217	302.3	-	-	-	-	307.6	-	-	-	-
296.6	12	224	212	224	302.4	-	-	-	-	307.7	-	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
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307.8	-	-	-	-	315.8	-	-	-	-	333.5	12	45	33	45
307.9	17	102	85	119	315.9	3	16	13	16	333.6	7	11	4	11
308.0	-	4	4	4	316	-	2	2	2	333.7	-	1	1	1
308.1	-	1	1	1	317	1	23	22	23	333.8	43	164	121	164
308.2	-	-	-	-	318.0	3	15	12	15	333.9	34	70	36	72
308.3	1	4	3	4	318.1	80	267	187	267	334.0	48	74	26	74
308.4	-	1	1	1	318.2	47	231	184	231	334.1	2	8	6	8
308.9	35	270	235	270	319	264	1619	1355	1624	334.2	23	31	8	32
309.0	3	26	23	26	320.0	29	36	7	36	334.3	14	59	45	59
309.1	-	-	-	-	320.1	161	269	108	269	334.8	71	135	64	135
309.2	-	3	3	3	320.2	71	126	55	126	334.9	97	225	128	225
309.3	-	-	-	-	320.3	16	62	46	62	335.0	155	162	7	162
309.4	-	-	-	-	320.8	22	55	33	55	335.1	41	50	9	50
309.8	-	-	-	-	320.9	185	327	142	330	335.2	3761	4346	585	4346
309.9	-	4	4	4	322.0	2	8	6	8	335.8	-	-	-	-
310.0	-	2	2	2	322.1	1	2	1	2	335.9	2	6	4	7
310.1	-	4	4	4	322.2	9	27	18	27	336.0	31	65	34	65
310.2	15	51	36	52	322.9	391	1575	1184	1592	336.1	26	107	81	107
310.8	2	6	4	7	323.5	-	-	-	-	336.8	24	73	49	73
310.9	3920	25557	21637	25560	323.8	4	8	4	8	336.9	65	284	219	1065
311	303	5775	5472	5790	323.9	261	937	678	1013	337.0	1	4	3	4
312.0	-	1	1	1	324.0	126	406	280	407	337.9	11	47	36	77
312.1	-	-	-	-	324.1	8	19	11	19	340	1808	3093	1285	3093
312.2	-	2	2	2	324.9	32	82	50	83	341.0	1	2	1	2
312.3	-	-	-	-	325	20	51	31	51	341.1	6	13	7	13
312.8	-	7	7	7	326	46	85	39	85	341.8	19	36	17	36
312.9	3	21	18	21	330.0	101	111	10	111	341.9	92	177	85	187
313.0	-	-	-	-	330.1	43	49	6	49	342.0	1	10	9	10
313.1	-	-	-	-	330.8	23	32	9	32	342.1	3	27	24	27
313.2	-	-	-	-	330.9	3	4	1	4	342.9	147	7058	6911	7412
313.3	-	-	-	-	331.0	14112	32351	18241	33003	343.0	7	17	10	12
313.8	-	-	-	-	331.1	42	55	13	64	343.1	4	9	5	9
313.9	-	1	1	1	331.2	37	79	43	70	343.2	41	84	43	35
314.0	-	1	1	1	331.3	11	36	25	36	343.3	-	-	-	-
314.1	-	-	-	-	331.4	677	2226	1549	2257	343.4	-	1	1	1
314.2	-	-	-	-	331.8	54	84	30	84	343.8	2	2	1	2
314.8	-	-	-	-	331.9	417	1645	1228	1788	343.9	770	1450	680	1513
314.9	-	5	5	5	332.0	7447	20633	13186	20651	344.0	211	1319	1108	1368
315.0	-	-	-	-	332.1	8	25	17	25	344.1	129	1374	1245	1379
315.1	-	1	1	1	333.0	175	290	115	273	344.2	-	11	11	11
315.2	-	-	-	-	333.1	3	50	47	50	344.3	1	50	49	50
315.3	-	-	-	-	333.2	11	33	22	33	344.4	-	16	16	16
315.4	2	22	20	22	333.3	-	-	-	-	344.5	-	2	2	2
315.5	-	-	-	-	333.4	372	574	202	574	344.6	116	713	597	713

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
344.8	94	999	905	999	352.5	-	-	-	-	358.2	-	-	-	-
344.9	57	830	773	863	352.6	7	15	8	13	358.8	4	9	5	9
345.0	2	13	11	13	352.9	13	26	13	26	358.9	136	201	65	201
345.1	340	710	370	710	353.0	1	8	7	8	359.0	27	34	7	34
345.2	1	3	2	3	353.1	-	3	3	3	359.1	623	873	250	880
345.3	560	1123	563	1122	353.2	-	1	1	1	359.2	141	226	85	226
345.4	8	25	17	25	353.3	-	3	3	3	359.3	1	2	1	2
345.5	6	11	5	11	353.4	-	-	-	-	359.4	4	49	45	49
345.6	7	14	7	14	353.5	-	-	-	-	359.8	27	53	26	53
345.7	2	5	3	5	353.6	-	3	3	3	359.9	111	324	213	326
345.8	-	1	1	1	353.8	-	-	-	-	360.0	4	24	20	24
345.9	550	1077	527	1136	353.9	-	-	-	-	360.1	-	-	-	-
346.0	-	1	1	1	354.0	-	7	7	7	360.2	-	-	-	-
346.1	-	-	-	-	354.1	-	-	-	-	360.3	-	-	-	-
346.2	-	5	5	5	354.2	-	3	3	3	360.4	-	1	1	1
346.8	-	2	2	2	354.3	-	3	3	3	360.5	-	-	-	-
346.9	2	41	39	41	354.4	-	3	3	3	360.6	-	-	-	-
347	2	46	44	46	354.5	-	4	4	4	360.8	-	1	1	1
348.0	33	60	27	60	354.8	8	20	12	20	360.9	-	1	1	1
348.1	1953	17351	15398	17318	354.9	-	2	2	2	361.0	-	1	1	1
348.2	43	1191	1148	1191	355.0	-	1	1	1	361.1	-	-	-	-
348.3	450	3443	2994	3560	355.1	-	-	-	-	361.2	-	-	-	-
348.4	95	3294	3199	3294	355.2	2	4	2	4	361.3	-	-	-	-
348.5	191	3039	2848	3039	355.3	-	3	3	3	361.8	-	-	-	-
348.8	105	747	642	748	355.4	-	-	-	-	361.9	1	9	8	9
348.9	275	1088	815	1757	355.5	-	-	-	-	362.1	-	18	18	163
349.0	-	1	1	1	355.6	-	1	1	1	362.2	-	4	4	4
349.1	1	1	-	1	355.7	-	-	-	-	362.3	-	6	6	6
349.2	4	5	1	5	355.8	-	9	9	9	362.4	-	-	-	-
349.8	217	463	246	463	355.9	53	310	259	549	362.5	-	117	117	117
349.9	79	192	113	296	356.0	1	2	1	2	362.6	-	16	16	16
350.1	5	86	81	87	356.1	15	85	70	85	362.7	1	27	26	27
350.2	-	-	-	-	356.2	2	6	4	6	362.8	-	6	6	6
350.8	1	2	1	2	356.3	1	1	-	1	362.9	-	6	6	6
350.9	-	2	2	2	356.4	8	10	2	10	363.0	-	-	-	-
351.0	1	53	52	53	356.8	321	470	149	470	363.1	-	-	-	-
351.1	-	-	-	-	356.9	101	466	365	814	363.2	2	128	126	138
351.8	-	2	2	2	357.0	167	390	223	390	363.3	-	-	-	-
351.9	-	-	-	-	357.5	2	11	9	11	363.4	-	-	-	-
352.0	-	-	-	-	357.6	-	1	1	1	363.5	-	-	-	-
352.1	-	3	3	3	357.7	1	2	1	2	363.6	-	1	1	1
352.2	-	1	1	3	357.8	1	3	2	3	363.7	-	-	-	-
352.3	2	3	1	5	357.9	3	34	31	45	363.8	-	-	-	-
352.4	-	-	-	-	358.0	306	804	498	804	363.9	-	2	2	2



MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
364.0	-	-	-	-	369.0	3	1223	1220	1223	374.2	-	-	-	-
364.1	-	-	-	-	369.1	-	1	1	1	374.3	-	-	-	-
364.2	-	-	-	-	369.2	-	-	-	-	374.4	-	-	-	-
364.3	-	2	2	3	369.3	-	-	-	-	374.5	-	-	-	-
364.4	-	1	1	1	369.6	-	28	28	28	374.8	-	-	-	-
364.5	-	-	-	-	369.7	-	-	-	-	374.9	-	-	-	-
364.6	-	-	-	-	369.8	-	-	-	-	375.0	-	1	1	1
364.7	-	-	-	-	369.9	-	40	40	40	375.1	-	-	-	-
364.8	-	-	-	-	370.0	-	9	9	9	375.2	-	1	1	1
364.9	-	-	-	-	370.2	-	-	-	-	375.3	-	-	-	-
365.0	-	1	1	1	370.3	-	1	1	1	375.4	-	-	-	-
365.1	-	5	5	5	370.4	-	-	-	-	375.5	-	-	-	-
365.2	-	2	2	2	370.5	-	-	-	-	375.6	-	-	-	-
365.3	-	-	-	-	370.6	-	-	-	-	375.8	-	-	-	-
365.4	-	-	-	-	370.8	-	1	1	1	375.9	-	-	-	-
365.5	-	-	-	-	370.9	-	1	1	1	376.0	1	15	14	15
365.6	-	-	-	-	371.0	-	2	2	2	376.1	-	2	2	2
365.8	-	-	-	-	371.1	-	-	-	-	376.3	-	-	-	1
365.9	1	958	957	963	371.2	-	-	-	-	376.4	-	-	-	-
366.0	-	-	-	-	371.3	-	-	-	-	376.5	1	1	-	1
366.1	-	4	4	4	371.4	-	3	3	3	376.6	-	-	-	-
366.2	-	1	1	1	371.5	-	2	2	2	376.8	-	-	-	-
366.3	-	1	1	1	371.6	-	1	1	1	376.9	-	-	-	-
366.4	-	-	-	-	371.7	-	-	-	-	377.0	1	1	-	1
366.5	-	-	-	-	371.8	-	1	1	1	377.1	-	7	7	7
366.8	-	-	-	-	371.9	1	4	3	4	377.2	-	-	-	-
366.9	-	177	177	210	372.0	-	6	6	6	377.3	-	9	9	9
367.0	-	-	-	-	372.1	-	6	6	6	377.4	-	1	1	1
367.1	-	1	1	1	372.2	-	1	1	1	377.5	-	-	-	-
367.2	-	1	1	1	372.3	-	12	12	12	377.6	-	-	-	-
367.3	-	-	-	-	372.4	-	-	-	-	377.7	-	-	-	-
367.4	-	1	1	1	372.5	-	1	1	1	377.9	-	-	-	-
367.5	-	-	-	-	372.6	-	-	-	-	378.0	-	2	2	2
367.8	-	-	-	-	372.7	-	1	1	1	378.1	-	2	2	2
367.9	-	-	-	-	372.8	-	-	-	-	378.2	-	-	-	-
368.0	-	4	4	4	372.9	-	2	2	2	378.3	-	1	1	1
368.1	-	1	1	1	373.0	1	5	4	5	378.4	-	-	-	-
368.2	-	1	1	1	373.1	-	1	1	1	378.5	-	-	-	-
368.3	-	-	-	-	373.2	-	-	-	-	378.6	-	-	-	-
368.4	-	9	9	9	373.3	-	-	-	-	378.7	-	1	1	1
368.5	-	-	-	-	373.8	-	1	1	1	378.8	1	2	1	2
368.6	-	-	-	-	373.9	-	1	1	1	378.9	1	7	6	9
368.8	-	-	-	-	374.0	-	3	3	3	379.0	-	1	1	1
368.9	-	1	1	1	374.1	-	3	3	3	379.1	-	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
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379.2	-	3	3	3	385.3	2	7	5	7	394.9	1562	3096	1535	3191
379.3	-	-	-	-	385.8	-	-	-	-	395.0	90	109	19	181
379.4	-	4	4	4	385.9	-	-	-	-	395.1	25	32	7	65
379.5	-	-	-	-	386.0	3	35	32	35	395.2	3	5	2	1
379.8	-	1	1	1	386.1	-	2	2	2	395.9	43	71	28	98
379.9	-	12	12	13	386.2	-	-	-	-	396	1016	1826	810	1716
380.0	-	-	-	-	386.3	1	22	21	22	397.0	162	712	550	712
380.1	4	20	16	20	386.4	-	-	-	-	397.1	2	7	5	7
380.2	-	-	-	-	386.5	-	2	2	2	397.9	353	476	123	585
380.3	-	-	-	-	386.8	-	-	-	-	398.0	2	3	1	7
380.4	-	-	-	-	386.9	-	-	-	-	398.9	1475	2396	922	3547
380.5	-	-	-	-	387.0	-	-	-	-	401.0	58	510	452	634
380.8	-	-	-	-	387.1	-	-	-	-	401.1	5	139	134	164
380.9	-	-	-	-	387.2	-	-	-	-	401.9	4865	103290	98435	124079
381.0	-	-	-	-	387.8	-	-	-	-	402.0	45	31	6	2
381.1	-	-	-	-	387.9	-	3	3	3	402.1	8	18	10	3
381.2	-	-	-	-	388.0	-	16	16	16	402.9	21312	38479	17400	33902
381.3	-	-	-	-	388.1	-	-	-	-	403.0	38	80	44	4
381.4	-	-	-	-	388.2	-	-	-	-	403.1	8	18	10	16
381.5	-	-	-	-	388.3	-	1	1	1	403.9	4550	14056	9592	4694
381.6	-	-	-	-	388.4	-	-	-	-	404.0	9	11	4	1
381.7	-	-	-	-	388.5	-	1	1	1	404.1	5	8	3	-
381.8	-	-	-	-	388.6	-	-	-	-	404.9	2431	3421	1396	320
381.9	-	-	-	-	388.7	-	-	-	-	410	235255	267785	32533	267785
382.0	1	2	1	2	388.8	-	-	-	-	411	3300	7264	3964	7264
382.1	-	-	-	-	388.9	-	2	2	2	412	906	5549	4643	5549
382.2	-	-	-	-	389.0	-	1	1	1	413	1064	5970	4906	5970
382.3	-	1	1	1	389.1	-	19	19	19	414.0	153457	262747	109292	262748
382.4	-	1	1	1	389.2	-	-	-	-	414.1	292	900	608	900
382.9	44	122	78	122	389.7	-	32	32	32	414.8	13815	22570	8755	22570
383.0	2	3	1	3	389.8	-	5	5	5	414.9	77349	154147	76805	165487
383.1	1	5	4	5	389.9	2	412	410	412	415.0	9	120	111	120
383.2	-	-	-	-	390	10	43	33	62	415.1	9423	26448	17025	26448
383.3	-	-	-	-	391.0	20	49	29	53	416.0	1355	4084	2729	4084
383.8	-	-	-	-	391.1	15	29	14	42	416.1	105	258	153	23
383.9	11	31	20	31	391.2	-	-	-	-	416.8	1	2	1	2
384.0	-	-	-	-	391.8	25	31	6	17	416.9	961	8415	7454	8747
384.1	-	-	-	-	391.9	19	26	7	38	417.0	2	6	4	6
384.2	-	1	1	1	392.0	-	1	1	1	417.1	8	16	8	16
384.8	-	-	-	-	392.9	-	1	1	1	417.8	23	59	36	59
384.9	-	1	1	1	393	1	3	2	3	417.9	14	29	15	32
385.0	-	-	-	-	394.0	884	1522	639	1659	420.9	55	175	120	180
385.1	-	-	-	-	394.1	169	224	55	386	421.0	856	2011	1155	2058
385.2	-	-	-	-	394.2	75	95	21	1	421.9	15	37	22	41

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
422.9	277	400	124	406	429.4	...	15	15	15	442.1	21	35	15	35
423.0	25	680	655	680	429.5	26	58	32	58	442.2	189	324	136	324
423.1	5	60	55	60	429.6	3	138	135	138	442.3	52	127	75	127
423.2	52	170	118	171	429.8	131	782	651	788	442.8	85	216	131	228
423.8	11	60	49	60	429.9	3063	10352	7334	19855	442.9	312	497	185	789
423.9	350	3608	3258	3859	430	6782	7802	1030	7217	443.0	11	90	79	90
424.0	2158	5321	3163	5318	431	17829	24841	7021	25400	443.1	11	46	35	46
424.1	8544	18672	10129	18674	432.0	7	16	9	17	443.8	39	82	43	82
424.2	4	42	38	42	432.1	503	1271	768	1291	443.9	4179	15877	12148	21916
424.3	8	33	25	33	432.9	2342	3551	1216	3826	444.0	102	260	158	260
424.9	3013	6323	3310	6780	433.0	272	359	87	384	444.1	277	573	296	573
425.0	7	7	-	7	433.1	839	1847	1008	1852	444.2	517	2058	1542	2058
425.1	263	431	168	431	433.2	23	33	10	60	444.8	100	402	302	402
425.2	1	1	-	1	433.3	48	96	48	68	444.9	358	1304	946	1741
425.3	88	117	29	117	433.8	10	19	9	19	446.0	106	198	92	198
425.4	22083	29015	6937	29025	433.9	2	10	8	10	446.1	4	4	-	4
425.5	891	1031	233	772	434.0	6829	9936	3107	9936	446.2	119	209	90	209
425.9	553	11734	11189	13204	434.1	633	2080	1447	2080	446.3	1	2	1	2
426.0	296	2892	2596	2892	434.9	9870	17930	8062	18616	446.4	239	369	130	369
426.1	37	406	370	406	435	341	2289	1949	2289	446.5	121	558	437	558
426.2	-	5	5	5	436	80997	148035	67043	153887	446.6	259	310	51	310
426.3	11	325	314	325	437.0	3765	19029	15272	18626	446.7	11	19	8	19
426.4	6	205	199	205	437.1	642	1986	1345	2029	447.0	17	32	15	32
426.5	10	121	111	121	437.2	61	107	46	97	447.1	133	382	249	382
426.6	11	100	89	100	437.3	370	643	273	2060	447.2	189	439	250	439
426.7	37	101	64	101	437.4	72	118	46	118	447.3	1	1	-	1
426.8	307	3514	3207	3514	437.5	11	17	6	17	447.4	-	-	-	-
426.9	132	1354	1222	1354	437.6	1	2	1	2	447.5	-	1	1	1
427.0	24	243	219	243	437.8	63	433	370	221	447.6	517	1378	862	1449
427.1	486	7620	7134	7620	437.9	4229	13107	8883	19570	447.8	26	59	33	59
427.2	2	45	43	45	438	6940	18804	11865	18804	447.9	314	517	205	801
427.3	3676	35638	31962	35639	440.0	54	404	350	683	448.0	25	77	52	77
427.4	1580	22523	20943	22523	440.1	56	281	225	317	448.1	-	-	-	-
427.5	28811	383619	354809	383620	440.2	861	3468	2608	2386	448.9	21	48	27	48
427.6	66	1018	952	1018	440.8	2	25	23	32	451.0	2	6	4	6
427.8	607	5754	5147	5754	440.9	16447	81555	65110	90612	451.1	590	1506	916	1509
427.9	4821	50616	45798	67380	441.0	3179	3549	370	3549	451.2	365	922	557	925
428.0	35393	241893	206508	245764	441.1	1350	1438	88	1503	451.8	29	70	41	70
428.1	152	766	614	1883	441.2	682	1366	685	1533	451.9	326	1257	932	1274
428.9	3661	29411	25756	32069	441.3	6836	7317	482	7295	452	43	140	97	140
429.0	555	1582	1028	1531	441.4	1867	5391	3526	5890	453.0	45	119	74	119
429.1	347	815	468	825	441.5	2133	2270	137	2439	453.1	3	52	49	52
429.2	69379	109781	40408	111802	441.6	649	1838	1189	2090	453.2	47	237	190	237
429.3	873	6961	6088	7123	442.0	3	3	1	3	453.3	18	59	41	59

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
453.8	125	396	271	396	463	3	12	9	12	478.8	-	-	-	-
453.9	123	1717	1595	2619	464.0	13	34	21	40	478.9	5	10	5	10
454.0	33	205	172	209	464.1	21	44	23	56	480.0	9	16	7	16
454.1	14	70	56	77	464.2	10	18	8	12	480.1	31	68	37	69
454.2	5	25	20	6	464.3	44	67	23	67	480.2	2	3	1	3
454.9	105	282	177	297	464.4	4	9	5	9	480.8	3	8	5	9
455.0	2	6	4	7	465.0	2	2	-	2	480.9	592	897	305	928
455.1	-	1	1	1	465.8	-	1	1	1	481	2599	4807	2208	4779
455.2	1	1	-	-	465.9	149	678	531	780	482.0	227	589	362	592
455.3	-	1	1	2	466.0	557	2033	1479	2289	482.1	498	1565	1067	1580
455.4	-	-	-	-	466.1	76	180	104	182	482.2	88	191	103	196
455.5	-	1	1	-	470	-	2	2	2	482.3	341	644	303	652
455.6	5	52	47	57	471.0	-	-	-	-	482.4	791	1916	1126	1932
455.7	-	2	2	2	471.1	-	-	-	-	482.8	216	507	291	515
455.8	3	24	21	19	471.8	-	1	1	1	482.9	1227	2591	1371	2574
455.9	-	-	-	-	471.9	-	5	5	5	483	147	216	69	217
456.0	277	3200	2923	1494	472.0	1	6	5	6	485	5682	16876	11194	16976
456.1	52	836	785	2591	472.1	-	2	2	2	486	64270	171176	106911	176887
456.3	-	-	-	-	472.2	-	-	-	-	487.0	495	583	88	65
456.4	-	-	-	-	473.0	2	9	7	9	487.1	609	953	368	1507
456.5	1	1	-	1	473.1	2	4	2	4	487.8	33	44	14	8
456.6	-	-	-	-	473.2	-	4	4	4	490	658	2282	1624	3638
456.8	21	342	321	342	473.3	4	6	2	6	491.0	105	30	24	51
457.0	...	2	2	2	473.8	9	24	15	24	491.1	41	82	44	122
457.1	25	208	183	208	473.9	58	253	195	253	491.2	2209	3632	1424	262
457.2	4	31	27	31	474.0	-	2	2	2	491.8	108	180	80	207
457.8	18	74	56	74	474.1	3	7	4	7	491.9	606	2237	1633	4238
457.9	2	3	1	3	474.2	-	-	-	-	492	16436	33629	17197	35103
458.0	12	125	115	143	474.8	2	15	13	15	493.0	91	122	31	105
458.1	-	2	2	2	474.9	4	22	18	23	493.1	12	25	13	26
458.9	871	8615	7745	8618	475	15	21	6	21	493.9	5003	10742	5775	10934
459.0	411	4333	3924	4784	476.0	-	-	-	-	494	919	1797	879	1812
459.1	1	5	4	5	476.1	1	2	1	2	495.0	13	18	5	18
459.2	18	958	940	958	477.0	1	2	1	2	495.1	-	-	-	-
459.8	19	127	108	127	477.8	1	1	-	1	495.2	-	-	-	-
459.9	524	992	471	5495	477.9	8	29	21	46	495.3	-	-	-	-
460	7	25	18	26	478.0	-	-	-	-	495.4	-	-	-	-
461.0	-	1	1	1	478.1	3	15	12	15	495.5	-	-	-	-
461.1	-	1	1	1	478.2	105	264	159	265	495.6	-	-	-	-
461.2	-	-	-	-	478.3	46	174	128	174	495.7	1	1	-	1
461.3	-	-	-	-	478.4	3	7	4	7	495.8	2	2	-	2
461.8	1	1	-	1	478.5	4	9	5	9	495.9	10	15	5	15
461.9	1	9	8	9	478.6	18	70	52	70	496	64436	153956	89533	162317
462	18	53	35	54	478.7	51	188	137	192	500	693	1938	1245	1938

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ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
501	269	946	677	946	519.3	51	149	98	149	524.1	-	-	-	-
502	153	314	161	314	519.4	21	85	64	85	524.2	-	-	-	-
503	9	14	5	14	519.8	544	1872	1328	2157	524.3	-	-	-	-
504	8	12	4	12	519.9	138	473	336	736	524.4	-	-	-	-
505	105	282	177	307	520.0	-	3	3	3	524.5	-	-	-	-
506.0	14	18	4	18	520.1	-	-	-	-	524.6	-	4	4	4
506.1	3	3	-	3	520.2	-	4	4	4	524.8	-	-	-	-
506.2	-	2	2	2	520.3	-	-	-	-	524.9	-	1	1	1
506.3	-	-	-	-	520.4	-	-	-	-	525.0	-	-	-	-
506.4	1	1	-	1	520.5	-	-	-	-	525.1	-	1	1	1
506.9	1	1	-	1	520.6	-	-	-	-	525.2	-	-	-	-
507.0	8058	36706	28649	36724	520.7	1	5	4	5	525.3	-	-	-	-
507.1	3	6	3	6	520.8	-	-	-	-	525.8	5	22	17	22
507.8	2	2	-	2	520.9	-	1	1	1	525.9	-	15	15	15
508.0	31	356	325	356	521.0	-	16	16	16	526.0	-	-	-	-
508.1	6	109	103	109	521.1	-	-	-	-	526.1	-	-	-	-
508.8	2	37	35	37	521.2	-	-	-	-	526.2	-	-	-	-
508.9	-	1	1	1	521.3	-	-	-	-	526.3	-	-	-	-
510.0	66	359	293	366	521.4	-	-	-	-	526.4	7	18	11	18
510.9	320	1268	948	1317	521.5	-	-	-	-	526.5	-	-	-	-
511.0	46	271	225	308	521.6	-	-	-	-	526.8	-	8	8	8
511.1	1	2	1	2	521.7	-	-	-	-	526.9	-	5	5	5
511.8	52	484	432	485	521.8	-	-	-	-	527.0	-	-	-	-
511.9	808	10871	10063	10876	521.9	-	-	-	-	527.1	-	1	1	1
512	358	3221	2863	3231	522.0	-	-	-	-	527.2	27	132	105	132
513.0	387	1292	905	1301	522.1	-	-	-	-	527.3	2	23	21	23
513.1	4	19	15	19	522.2	-	-	-	-	527.4	-	2	2	2
514	777	18442	17665	18452	522.3	-	-	-	-	527.5	-	1	1	1
515	5736	10560	4824	10787	522.4	1	8	7	8	527.6	-	1	1	1
516.0	8	9	1	9	522.5	8	26	18	26	527.7	1	1	-	1
516.2	-	-	-	-	522.6	-	-	-	-	527.8	-	2	2	2
516.3	147	203	56	203	522.7	-	1	1	1	527.9	2	6	4	6
516.8	821	1163	342	1169	522.8	-	-	-	-	528.0	5	34	29	34
516.9	-	1	1	1	522.9	-	1	1	1	528.1	-	-	-	-
518.0	182	1738	1556	1739	523.0	-	-	-	-	528.2	-	5	5	5
518.1	26	61	35	61	523.1	-	8	8	8	528.3	13	24	11	24
518.2	-	-	-	-	523.2	-	1	1	1	528.4	-	1	1	1
518.3	269	682	413	682	523.3	2	4	2	4	528.5	-	1	1	1
518.4	199	5375	5176	5521	523.4	-	7	7	7	528.6	-	1	1	1
518.5	1640	12973	11333	12968	523.5	-	-	-	-	528.7	-	-	-	-
518.8	3388	11944	8561	15007	523.6	-	-	-	-	528.8	-	-	-	-
519.0	13	23	10	23	523.8	-	2	2	2	528.9	13	49	36	50
519.1	256	1529	1273	1663	523.9	2	6	4	6	529.0	2	13	11	13
519.2	55	211	156	212	524.0	-	9	9	9	529.1	-	1	1	1

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ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
529.2	-	-	-	-	534.0	-	1	1	-	551.9	37	47	11	3
529.3	-	-	-	-	534.1	-	-	-	-	552.0	38	76	38	75
529.4	-	-	-	-	534.2	-	-	-	-	552.1	41	64	23	59
529.5	-	-	-	-	534.3	-	-	-	1	552.2	129	212	83	153
529.6	-	-	-	-	534.4	35	70	36	13	552.3	98	175	77	84
529.8	2	15	13	15	534.5	10	16	6	20	552.8	19	26	7	20
529.9	1	5	4	5	534.6	4	5	1	-	552.9	144	256	112	285
530.0	85	196	111	196	534.7	-	2	2	4	553.0	1	8	7	24
530.1	566	2336	1770	2335	534.9	2	31	29	87	553.1	36	136	100	153
530.2	101	386	285	386	535.0	63	210	149	223	553.2	65	262	197	371
530.3	273	1201	929	1239	535.1	39	238	199	238	553.3	312	1596	1288	1701
530.4	183	393	210	393	535.2	3	9	6	9	553.8	11	30	19	51
530.5	222	466	244	466	535.3	92	60	24	57	553.9	72	218	146	267
530.6	60	127	67	127	535.4	186	614	428	618	555.0	8	23	15	24
530.7	81	165	84	165	535.5	304	1617	1313	1633	555.1	15	45	30	46
530.8	193	1272	1079	1447	535.6	8	86	78	86	555.2	2	2	-	1
530.9	50	114	64	137	536.0	-	1	1	1	555.9	345	955	610	957
531.0	18	40	22	14	536.1	2	19	17	19	556	374	1079	705	1079
531.1	11	17	7	16	536.2	2	11	9	11	557.0	4359	7777	3418	8404
531.2	1	1	-	-	536.8	65	247	182	273	557.1	401	714	314	714
531.3	1	20	19	48	536.9	48	275	227	275	557.9	2390	5002	2612	5575
531.4	894	1744	850	489	537.0	122	689	567	689	558	1158	4130	2972	4285
531.5	645	1184	539	1266	537.1	-	2	2	2	560.0	23	42	19	43
531.6	64	94	30	10	537.2	-	-	-	-	560.1	332	1653	1321	1677
531.7	4	25	21	47	537.3	11	93	82	93	560.2	646	1076	430	1119
531.9	199	1339	1141	2666	537.4	35	175	140	175	560.3	158	400	242	392
532.0	11	29	18	16	537.5	-	1	1	1	560.8	373	635	263	92
532.1	8	11	5	11	537.6	-	1	1	1	560.9	3273	11732	8459	12936
532.2	2	2	-	-	537.8	91	390	299	552	562.0	26	38	12	38
532.3	3	31	28	48	537.9	92	296	204	315	562.1	3102	6436	3334	6436
532.4	932	1728	796	678	540.0	307	600	293	571	564.0	54	251	197	251
532.5	816	1446	630	1562	540.1	20	54	34	52	564.1	55	255	200	255
532.6	95	142	47	18	540.9	13	42	29	72	564.2	-	28	28	28
532.7	4	34	30	54	541	43	88	45	119	564.3	-	1	1	1
532.9	147	949	803	2113	542	-	-	-	-	564.4	-	1	1	1
533.0	19	33	14	10	543	6	13	7	14	564.5	-	-	-	-
533.1	3	9	6	9	550.0	29	39	10	4	564.6	-	-	-	-
533.2	-	1	1	1	550.1	133	226	93	227	564.7	71	230	159	235
533.3	3	11	8	38	550.9	45	262	217	305	564.8	23	93	70	93
533.4	1334	2451	1117	562	551.0	11	12	1	1	564.9	9	33	24	33
533.5	534	961	428	1020	551.1	10	13	3	2	565.0	4	10	6	10
533.6	40	67	27	13	551.2	46	51	6	6	565.1	14	69	55	69
533.7	12	100	88	128	551.3	10	13	3	2	566	85	230	145	230
533.9	317	3815	3499	5932	551.8	14	15	1	1	567.1	1	4	3	4

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC TOTAL MENTION	RECORD AXIS SECOND- ARY	ENTITY AXIS	UC TOTAL MENTION		RECORD AXIS SECOND- ARY	ENTITY AXIS	UC TOTAL MENTION	RECORD AXIS SECOND- ARY		ENTITY AXIS	UC TOTAL MENTION	RECORD AXIS SECOND- ARY	ENTITY AXIS
567.2	491	2476	1986	2527	575.2	4	25	21	31	582.8	31	63	33	43
567.8	15	100	85	107	575.3	5	21	16	21	582.9	1041	3850	2818	4752
567.9	902	5680	4778	5944	575.4	53	139	86	139	583.0	8	10	3	11
568.0	135	353	219	913	575.5	10	21	11	27	583.1	30	52	26	61
568.8	83	362	279	362	575.6	2	5	3	5	583.2	4	14	10	14
568.9	8	27	19	27	575.8	22	104	82	104	583.4	7	14	7	14
569.0	-	16	16	16	575.9	273	751	478	782	583.6	3	4	3	7
569.1	17	74	57	74	576.0	...	1	1	1	583.7	-	17	17	-
569.2	6	24	18	24	576.1	454	1265	811	1265	583.8	68	157	89	142
569.3	87	611	524	617	576.2	243	1190	947	1288	583.9	252	670	420	998
569.4	43	218	175	218	576.3	1	4	3	4	584.5	245	1058	822	1090
569.5	45	333	288	333	576.4	7	32	25	32	584.6	2	7	5	4
569.6	...	6	6	6	576.5	1	2	1	2	584.7	2	6	4	4
569.8	1315	4579	3264	4616	576.8	170	1323	1153	1407	584.8	-	2	2	2
569.9	381	1028	648	1481	576.9	41	84	43	114	584.9	3023	22345	19322	22542
570	379	1579	1200	1589	577.0	2275	5527	3252	5584	585	5059	23276	18220	28841
571.0	553	890	337	17	577.1	220	942	722	942	586	11150	70558	59408	80650
571.1	824	809	174	1004	577.2	83	256	173	256	587	65	156	91	209
571.2	7988	10124	2138	4915	577.8	66	371	305	371	588.0	11	38	27	38
571.3	2323	2827	824	3137	577.9	69	192	123	215	588.1	5	16	11	16
571.4	764	1500	736	1504	578.0	30	218	188	247	588.8	29	127	98	127
571.5	11758	20720	8963	26119	578.1	6	96	90	104	588.9	1	3	2	3
571.6	373	557	184	560	578.9	5974	31046	25093	36855	589.0	-	-	-	-
571.8	551	1723	1172	2596	579.0	5	44	39	44	589.1	-	1	1	1
571.9	295	681	386	779	579.1	17	56	39	56	589.9	1	2	1	2
572.0	138	348	210	348	579.2	...	375	375	375	590.0	244	572	328	599
572.1	2	5	3	5	579.3	...	32	32	32	590.1	210	418	208	430
572.2	376	6121	5745	6282	579.4	-	1	1	1	590.2	67	192	125	205
572.3	133	1282	1149	1282	579.8	11	36	25	36	590.3	-	1	1	1
572.4	518	5531	5013	5531	579.9	95	381	290	389	590.8	649	1512	867	1581
572.8	2493	25860	23368	25860	580.0	-	3	3	3	590.9	49	115	66	125
573.0	15	237	222	237	580.4	-	-	-	-	591	87	701	614	701
573.3	605	1605	1004	1666	580.8	4	9	5	6	592.0	237	710	473	710
573.4	27	72	45	72	580.9	81	481	400	484	592.1	18	64	46	64
573.8	132	1385	1253	1385	581.0	-	1	1	-	592.9	25	83	58	85
573.9	904	2205	1306	3382	581.1	5	10	6	2	593.0	-	1	1	1
574.0	156	259	103	18	581.2	-	-	-	-	593.1	-	2	2	2
574.1	229	558	329	27	581.3	5	12	7	4	593.2	5	15	10	15
574.2	642	2308	1666	3075	581.8	-	3	3	1	593.3	9	25	16	25
574.3	14	33	19	4	581.9	225	651	431	896	593.4	62	702	640	702
574.4	22	58	36	3	582.0	-	1	1	1	593.5	1	18	17	18
574.5	181	394	213	479	582.1	1	2	1	1	593.6	-	-	-	-
575.0	663	1293	631	1557	582.2	1	2	1	2	593.7	8	13	5	13
575.1	605	1584	979	2167	582.4	1	3	2	3	593.8	177	921	745	923

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
593.9	3181	17812	14670	25123	601.8	-	1	1	1	611.9	26	234	208	238
594.0	-	-	-	-	601.9	28	99	71	99	614.0	1	1	-	1
594.1	9	55	46	55	602.0	1	6	5	6	614.1	-	-	-	-
594.2	2	9	7	9	602.1	1	31	30	31	614.2	20	30	10	30
594.8	-	-	-	-	602.2	-	-	-	-	614.3	1	1	-	1
594.9	1	8	7	8	602.8	-	5	5	5	614.4	62	187	125	187
595.0	13	48	35	48	602.9	94	270	176	280	614.5	1	1	-	1
595.1	-	3	3	3	603.0	-	-	-	-	614.6	3	7	4	7
595.2	33	154	121	154	603.1	-	-	-	-	614.7	-	1	1	1
595.3	-	1	1	1	603.8	-	-	-	-	614.8	-	-	-	-
595.8	8	53	45	53	603.9	1	24	23	24	614.9	16	27	11	28
595.9	96	521	425	522	604.0	3	6	3	6	615.0	-	1	1	1
596.0	61	209	148	209	604.9	7	30	23	30	615.1	-	-	-	-
596.1	59	315	256	315	605	1	2	1	2	615.9	12	20	8	20
596.2	7	60	53	60	606	-	-	-	-	616.0	-	4	4	4
596.3	2	10	8	10	607.0	-	-	-	-	616.1	8	26	18	26
596.4	20	71	51	71	607.1	1	4	3	4	616.2	-	2	2	2
596.5	3	22	19	22	607.2	4	27	23	27	616.3	1	3	2	3
596.6	10	47	37	47	607.3	1	1	-	1	616.4	3	7	4	7
596.7	-	1	1	1	607.8	-	7	7	7	616.5	-	-	-	-
596.8	15	138	123	138	607.9	1	2	1	2	616.8	-	1	1	1
596.9	11	40	29	42	608.0	-	-	-	-	616.9	-	-	-	-
597.0	7	17	10	17	608.1	-	1	1	1	617.0	2	5	3	5
597.8	2	9	7	9	608.2	-	-	-	-	617.1	-	1	1	1
598.0	-	-	-	-	608.3	-	2	2	2	617.2	-	-	-	-
598.1	-	-	-	-	608.4	46	99	53	99	617.3	-	1	1	1
598.2	-	-	-	-	608.8	36	75	39	75	617.4	-	-	-	-
598.8	-	-	-	-	608.9	2	8	6	13	617.5	-	-	-	-
598.9	36	119	83	119	610.0	-	-	-	-	617.6	-	-	-	-
599.0	11466	32260	20794	32533	610.1	-	11	11	11	617.8	-	1	1	1
599.1	9	48	39	48	610.2	-	1	1	1	617.9	3	11	8	12
599.2	-	-	-	-	610.3	-	2	2	2	618.0	5	24	19	26
599.3	-	1	1	1	610.4	-	-	-	-	618.1	5	33	28	35
599.4	-	-	-	-	610.8	-	-	-	-	618.2	-	-	-	-
599.5	-	-	-	-	610.9	-	-	-	-	618.3	1	3	2	3
599.6	249	1292	1043	1292	611.0	5	25	20	25	618.4	-	3	3	1
599.7	31	508	477	508	611.1	2	4	2	4	618.5	-	-	-	-
599.8	4	35	31	35	611.2	-	-	-	-	618.6	-	-	-	-
599.9	32	79	47	90	611.3	1	1	-	1	618.7	-	-	-	-
600	428	1966	1538	1966	611.4	-	-	-	-	618.8	-	1	1	1
601.0	5	10	5	10	611.5	-	-	-	-	618.9	-	1	1	1
601.1	7	20	13	20	611.6	-	-	-	-	619.0	9	41	32	41
601.2	3	10	7	10	611.7	-	10	10	10	619.1	41	210	169	210
601.3	1	3	2	3	611.8	3	4	1	4	619.2	-	1	1	1



MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	UC	RECORD COUNT BY CODE FIELD				ICD-9 CODE	UC	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS			UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS			UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
619.8	-	1	1	1	624.2	-	-	-	-	631	1	2	1	2		
619.9	1	43	42	45	624.3	-	-	-	-	632	-	-	-	-		
620.0	-	-	-	-	624.4	-	-	-	-	633.0	-	-	-	-		
620.1	1	7	6	7	624.5	-	-	-	-	633.1	12	13	1	13		
620.2	14	49	35	50	624.6	-	-	-	-	633.2	-	-	-	-		
620.3	-	-	-	-	624.8	1	4	3	4	633.8	3	4	1	4		
620.4	-	-	-	-	624.9	-	-	-	-	633.9	18	20	2	22		
620.5	-	1	1	1	625.0	-	-	-	-	634.0	3	3	-	-		
620.6	-	-	-	-	625.1	-	-	-	-	634.1	-	3	3	-		
620.7	-	-	-	-	625.2	-	-	-	-	634.2	-	-	-	-		
620.8	1	13	12	13	625.3	-	3	3	3	634.3	1	2	1	-		
620.9	7	35	28	35	625.4	-	-	-	-	634.4	-	1	1	-		
621.0	-	8	8	8	625.5	-	-	-	-	634.5	-	-	-	-		
621.1	-	-	-	-	625.6	-	6	6	6	634.6	1	1	-	-		
621.2	-	4	4	4	625.8	-	-	-	-	634.7	2	3	1	1		
621.3	1	8	7	8	625.9	1	2	1	2	634.8	-	-	-	-		
621.4	-	1	1	1	626.0	-	1	1	1	634.9	1	1	-	8		
621.5	-	1	1	1	626.1	-	-	-	-	635.0	-	2	2	-		
621.6	-	-	-	-	626.2	1	9	8	9	635.1	-	2	2	-		
621.7	-	-	-	-	626.3	-	-	-	-	635.2	2	2	-	-		
621.8	5	19	14	19	626.4	-	-	-	-	635.3	-	-	-	-		
621.9	2	85	83	86	626.5	-	-	-	-	635.4	-	-	-	-		
622.0	-	-	-	-	626.6	-	-	-	-	635.5	-	-	-	-		
622.1	1	3	2	3	626.7	-	-	-	-	635.6	1	1	-	-		
622.2	-	-	-	-	626.8	-	3	3	3	635.7	1	3	2	-		
622.3	-	-	-	-	626.9	2	41	39	41	635.8	-	-	-	-		
622.4	1	4	3	4	627.0	-	-	-	-	635.9	1	1	-	7		
622.5	1	1	-	1	627.1	1	6	5	6	636.0	-	1	1	-		
622.6	-	-	-	-	627.2	-	5	5	5	636.1	-	-	-	-		
622.7	-	2	2	2	627.3	-	-	-	-	636.2	1	1	-	-		
622.8	1	24	23	24	627.4	1	1	-	1	636.3	-	-	-	-		
622.9	-	1	1	1	627.8	-	1	1	1	636.4	-	-	-	-		
623.0	-	-	-	-	627.9	-	-	-	-	636.5	-	-	-	-		
623.1	-	-	-	-	628.0	-	-	-	-	636.6	-	-	-	-		
623.2	-	-	-	-	628.2	-	-	-	-	636.7	-	-	-	-		
623.3	-	-	-	-	628.3	-	-	-	-	636.8	-	-	-	-		
623.4	-	-	-	-	628.4	-	-	-	-	636.9	-	-	-	1		
623.5	-	2	2	2	628.8	-	-	-	-	637.0	1	1	-	1		
623.6	-	-	-	-	628.9	-	1	1	1	637.1	1	1	-	-		
623.7	-	1	1	1	629.0	-	-	-	-	637.2	-	-	-	-		
623.8	5	114	109	114	629.1	-	-	-	-	637.3	-	-	-	-		
623.9	-	1	1	1	629.8	1	9	8	9	637.4	-	-	-	-		
624.0	-	-	-	-	629.9	7	26	19	27	637.5	-	-	-	-		
624.1	-	-	-	-	630	1	1	-	1	637.6	-	-	-	-		

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
637.7	-	-	-	-	646.8	1	1	-	1	673	46	75	29	79
637.8	-	-	-	-	646.9	4	8	4	9	674	28	52	24	54
637.9	3	4	1	5	647.0	-	-	-	-	675	-	-	-	-
638.0	-	-	-	-	647.1	-	-	-	-	676	-	-	-	-
638.1	-	-	-	-	647.2	-	-	-	-	680.0	-	-	-	-
638.2	-	-	-	-	647.3	-	-	-	-	680.1	-	-	-	-
638.3	-	-	-	-	647.4	-	-	-	-	680.2	-	1	1	1
638.4	-	-	-	-	647.5	-	-	-	-	680.3	1	1	-	1
638.5	-	-	-	-	647.6	1	2	1	2	680.4	-	-	-	-
638.6	-	-	-	-	647.8	1	3	2	3	680.5	-	-	-	-
638.7	-	-	-	-	647.9	-	-	-	-	680.6	-	-	-	-
638.8	-	-	-	-	648.0	-	1	1	1	680.7	-	-	-	-
638.9	-	-	-	-	648.1	-	-	-	-	680.8	1	1	-	1
639.0	...	-	-	7	648.2	-	-	-	-	680.9	-	5	5	5
639.1	...	-	-	20	648.3	-	-	-	-	681.0	2	4	2	4
639.2	...	-	-	4	648.4	-	-	-	-	681.1	1	17	16	17
639.3	...	-	-	2	648.5	1	1	-	1	681.9	-	1	1	1
639.4	...	-	-	1	648.6	8	10	2	10	682.0	11	52	41	52
639.5	...	-	-	4	648.7	1	1	-	1	682.1	17	60	43	60
639.6	...	-	-	4	648.8	-	-	-	-	682.2	63	266	203	266
639.8	...	-	-	12	648.9	4	4	-	4	682.3	41	166	125	166
639.9	...	-	-	-	650	-	-	-	-	682.4	4	21	17	21
640	-	-	-	-	651	-	1	1	1	682.5	12	53	41	53
641	27	53	29	57	652	1	5	4	5	682.6	178	944	766	944
642.0	-	1	1	1	653	-	-	-	-	682.7	36	226	190	226
642.1	-	-	-	-	654	-	1	1	1	682.8	16	77	61	77
642.2	2	2	-	2	655	-	-	-	-	682.9	250	1440	1190	1451
642.3	-	-	-	-	656	4	13	9	13	683	-	2	2	2
642.4	26	31	5	34	657	-	-	-	-	684	3	8	5	8
642.5	8	11	3	12	658	1	6	5	6	685.0	-	1	1	1
642.6	24	30	6	30	659	-	-	-	-	685.1	-	6	6	6
642.7	-	-	-	-	660	-	-	-	-	686.0	5	35	30	35
642.9	7	9	2	19	661	1	2	1	2	686.1	8	54	46	54
643	-	1	1	1	662	-	-	-	-	686.8	-	4	4	4
644	-	2	2	2	663	-	-	-	-	686.9	98	633	535	651
645	-	-	-	-	664	1	1	-	1	690	-	7	7	7
646.0	-	-	-	-	665	6	7	1	7	691.0	2	2	-	2
646.1	-	-	-	1	666	9	27	18	24	691.8	1	10	9	10
646.2	-	-	-	-	667	2	2	-	7	692.0	-	-	-	-
646.3	-	-	-	-	668	3	3	-	5	692.1	-	-	-	-
646.4	-	-	-	-	669	18	91	73	91	692.2	-	-	-	-
646.5	-	-	-	-	670	11	18	7	18	692.3	-	-	-	-
646.6	1	2	1	2	671	14	19	5	19	692.4	-	1	1	1
646.7	8	10	2	10	672	-	-	-	-	692.5	-	-	-	-

- 2 -  
 MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
 CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
 OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
692.6	-	-	-	-	701.1	-	12	12	12	709.8	-	8	8	8
692.7	-	-	-	-	701.2	-	1	1	1	709.9	10	45	35	45
692.8	-	4	4	4	701.3	-	-	-	-	710.0	1115	2013	898	2013
692.9	13	141	128	162	701.4	-	1	1	1	710.1	936	1488	552	1488
693.0	2	4	2	4	701.5	-	-	-	-	710.2	47	182	135	182
693.1	8	13	5	13	701.8	-	5	5	5	710.3	98	208	110	208
693.8	-	-	-	-	701.9	-	1	1	1	710.4	203	518	315	518
693.9	-	-	-	-	702	-	4	4	4	710.8	13	26	13	26
694.0	-	8	8	8	703.0	1	2	1	2	710.9	125	249	124	281
694.1	-	2	2	2	703.8	-	2	2	2	711.0	132	260	128	260
694.2	-	-	-	-	703.9	-	1	1	1	711.9	7	19	12	25
694.3	-	-	-	-	704.0	-	3	3	3	712.8	-	-	-	-
694.4	48	197	149	197	704.1	-	-	-	-	712.9	-	1	1	1
694.5	59	294	235	294	704.2	-	2	2	2	714.0	1675	8834	7159	8834
694.6	-	7	7	7	704.3	-	2	2	2	714.1	39	134	95	134
694.8	-	1	1	1	704.8	2	2	-	2	714.2	3	5	2	5
694.9	-	4	4	4	704.9	-	-	-	-	714.3	8	25	17	25
695.0	-	3	3	3	705.0	-	1	1	1	714.4	-	1	1	1
695.1	108	253	145	253	705.1	-	-	-	-	714.8	106	261	155	261
695.2	1	1	-	1	705.8	1	11	10	11	714.9	5	29	24	30
695.3	-	1	1	1	705.9	-	-	-	-	715.0	10	230	220	230
695.4	82	359	277	359	706.0	-	-	-	-	715.1	-	-	-	-
695.8	22	76	54	76	706.1	-	-	-	-	715.2	-	-	-	-
695.9	11	134	123	134	706.2	3	8	5	8	715.3	45	221	176	221
696.0	5	63	58	63	706.3	-	2	2	2	715.8	1	21	20	21
696.1	11	253	242	253	706.8	-	1	1	1	715.9	450	11374	10924	11375
696.2	-	-	-	-	706.9	-	-	-	-	716.0	-	1	1	1
696.3	-	2	2	2	707.0	1963	10367	8405	11983	716.1	-	3	3	3
696.4	-	1	1	1	707.1	97	589	493	885	716.2	-	2	2	2
696.5	-	-	-	-	707.8	27	124	97	163	716.3	-	-	-	-
696.8	-	-	-	-	707.9	51	466	415	578	716.4	-	-	-	-
697.0	1	8	7	8	708.0	-	-	-	-	716.5	5	40	35	41
697.1	-	-	-	-	708.1	-	-	-	-	716.6	-	-	-	-
697.8	-	-	-	-	708.2	-	-	-	-	716.8	1	4	3	4
697.9	-	-	-	-	708.3	-	-	-	-	716.9	182	3548	3366	3816
698.0	-	-	-	-	708.4	-	-	-	-	717.0	-	-	-	-
698.1	-	-	-	-	708.5	-	-	-	-	717.1	-	-	-	-
698.2	-	-	-	-	708.8	-	-	-	-	717.2	-	-	-	-
698.3	1	15	14	15	708.9	2	7	5	7	717.3	-	-	-	-
698.4	-	-	-	-	709.0	1	9	8	9	717.4	-	-	-	-
698.8	-	-	-	-	709.1	-	-	-	-	717.5	-	-	-	-
698.9	-	7	7	7	709.2	1	40	39	40	717.6	-	1	1	1
700	-	3	3	3	709.3	1	5	4	6	717.7	-	-	-	-
701.0	-	4	4	4	709.4	-	-	-	-	717.8	-	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
717.9	-	1	1	1	722.9	8	57	49	57	728.3	3	33	30	33
718.0	-	-	-	-	723.0	11	64	54	64	728.4	-	-	-	-
718.1	-	1	1	1	723.1	-	7	7	7	728.5	-	-	-	-
718.2	1	14	13	14	723.2	-	-	-	-	728.6	-	3	3	3
718.3	1	10	9	10	723.3	-	-	-	-	728.7	-	1	1	1
718.4	7	127	120	127	723.4	1	10	9	10	728.8	175	575	401	575
718.5	-	20	20	20	723.5	1	15	14	15	728.9	44	156	112	159
718.6	1	4	3	4	723.6	-	-	-	-	729.0	1	11	10	11
718.8	-	9	9	9	723.7	-	-	-	-	729.1	25	121	96	121
718.9	2	20	18	20	723.8	-	4	4	4	729.2	7	79	72	98
719.0	1	2	1	2	723.9	1	4	3	4	729.3	11	51	40	51
719.1	-	3	3	3	724.0	18	544	526	545	729.4	158	420	262	420
719.2	-	-	-	-	724.1	-	-	-	-	729.5	6	45	39	45
719.3	-	-	-	-	724.2	2	38	36	38	729.6	-	-	-	-
719.4	4	19	15	19	724.3	-	21	21	21	729.8	9	30	21	30
719.5	-	3	3	3	724.4	1	13	12	13	729.9	2	4	2	5
719.6	-	1	1	1	724.5	5	128	123	128	730.0	3	16	13	16
719.7	-	2	2	2	724.6	2	14	12	14	730.1	35	139	104	139
719.8	1	4	3	4	724.7	-	-	-	-	730.2	476	1446	970	1453
719.9	13	813	800	842	724.8	-	8	8	8	730.3	-	1	1	1
720.0	38	240	202	240	724.9	2	34	32	36	730.9	4	20	16	21
720.1	-	-	-	-	725	52	753	701	753	731.0	79	693	614	717
720.2	-	-	-	-	726.0	-	4	4	4	731.2	-	2	2	2
720.8	-	-	-	-	726.1	-	4	4	4	732.0	-	-	-	-
720.9	1	18	17	19	726.2	-	1	1	1	732.1	8	15	7	15
721.0	12	82	70	91	726.3	4	13	9	13	732.2	-	-	-	-
721.1	53	151	98	144	726.4	-	-	-	-	732.3	-	-	-	-
721.2	-	-	-	-	726.5	1	3	2	3	732.4	-	-	-	-
721.3	2	17	15	18	726.6	2	4	2	4	732.5	-	-	-	-
721.4	6	15	9	14	726.7	-	-	-	-	732.6	-	-	-	-
721.5	-	-	-	-	726.8	-	-	-	-	732.7	-	-	-	-
721.6	-	-	-	-	726.9	-	3	3	3	732.8	-	-	-	-
721.7	-	-	-	-	727.0	-	7	7	7	732.9	-	3	3	3
721.8	-	1	1	1	727.1	-	2	2	2	733.0	548	6351	5803	6351
721.9	21	275	254	275	727.2	-	-	-	-	733.1	114	2740	2626	2740
722.0	-	4	4	5	727.3	2	14	12	14	733.2	1	5	4	5
722.1	4	26	22	26	727.4	-	11	11	11	733.3	2	4	2	4
722.2	8	21	13	21	727.5	-	2	2	2	733.4	10	51	41	51
722.3	1	1	-	1	727.6	1	2	1	2	733.5	-	-	-	-
722.4	2	16	14	18	727.8	-	2	2	2	733.6	-	-	-	-
722.5	2	36	34	36	727.9	1	3	2	3	733.7	-	-	-	-
722.6	2	72	70	73	728.0	3	7	4	7	733.8	10	32	22	32
722.7	3	5	2	2	728.1	2	3	1	3	733.9	65	320	257	381
722.8	-	-	-	-	728.2	13	50	38	54	734	-	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
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ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
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735.0	-	-	-	-	740.0	485	494	9	494	746.4	38	62	24	62
735.1	-	-	-	-	740.1	-	-	-	-	746.5	4	14	10	14
735.2	-	-	-	-	740.2	4	4	-	4	746.6	7	15	8	15
735.3	-	-	-	-	741.0	85	137	52	70	746.7	645	704	59	704
735.4	-	2	2	2	741.9	68	165	97	257	746.8	426	684	258	690
735.5	-	-	-	-	742.0	79	108	29	108	746.9	1573	2119	546	2917
735.8	-	1	1	1	742.1	82	172	90	172	747.0	98	360	263	361
735.9	-	-	-	-	742.2	154	220	66	220	747.1	125	252	127	252
736.0	-	3	3	3	742.3	308	468	160	531	747.2	31	56	25	68
736.1	-	-	-	-	742.4	65	99	34	99	747.3	158	315	157	340
736.2	-	1	1	1	742.5	254	503	259	535	747.4	84	117	33	118
736.3	-	2	2	2	742.8	26	39	13	39	747.5	-	5	5	5
736.4	-	-	-	-	742.9	176	250	74	282	747.6	171	281	111	293
736.5	-	-	-	-	743.0	-	3	3	3	747.8	396	481	85	509
736.6	-	1	1	1	743.1	1	4	3	4	747.9	103	141	38	157
736.7	-	6	6	6	743.2	-	4	4	4	748.0	3	7	4	7
736.8	2	200	198	200	743.3	-	5	5	5	748.1	1	4	3	4
736.9	-	11	11	11	743.4	-	3	3	3	748.2	-	-	-	-
737.0	-	2	2	2	743.5	-	3	3	3	748.3	77	124	47	124
737.1	55	354	299	354	743.6	-	2	2	2	748.4	5	14	9	14
737.2	-	5	5	5	743.8	-	5	5	5	748.5	917	1612	695	1612
737.3	259	765	506	1005	743.9	-	4	4	4	748.6	78	112	34	115
737.8	-	-	-	-	744.0	-	3	3	3	748.8	3	4	1	4
737.9	1	5	4	6	744.1	-	-	-	-	748.9	8	13	5	16
738.0	-	1	1	1	744.2	-	1	1	1	749.0	8	39	31	65
738.1	-	1	1	1	744.3	-	2	2	3	749.1	2	10	8	36
738.2	1	1	-	1	744.4	1	3	2	3	749.2	-	33	33	7
738.3	15	60	45	60	744.5	-	2	2	2	750.0	1	1	-	1
738.4	-	4	4	4	744.8	1	4	3	4	750.1	-	8	8	8
738.5	1	17	16	17	744.9	1	9	8	9	750.2	-	-	-	-
738.6	-	-	-	-	745.0	90	127	37	127	750.3	31	111	80	111
738.7	-	-	-	-	745.1	237	311	74	311	750.4	21	42	21	42
738.8	-	12	12	12	745.2	233	336	103	336	750.5	2	4	2	4
738.9	-	9	9	10	745.3	50	87	37	87	750.6	1	4	3	4
739.0	-	-	-	-	745.4	382	782	400	795	750.7	7	12	5	12
739.1	-	-	-	-	745.5	337	579	244	581	750.8	-	-	-	-
739.2	-	-	-	-	745.6	137	239	102	240	750.9	9	17	8	17
739.3	-	1	1	1	745.7	2	2	-	2	751.0	14	22	9	23
739.4	-	-	-	-	745.8	1	5	4	5	751.1	19	59	40	59
739.5	-	-	-	-	745.9	17	31	14	35	751.2	3	46	43	46
739.6	-	-	-	-	746.0	36	69	33	73	751.3	22	44	22	44
739.7	-	-	-	-	746.1	60	74	14	74	751.4	23	31	8	31
739.8	-	-	-	-	746.2	59	69	10	69	751.5	37	70	34	77
739.9	-	-	-	-	746.3	79	104	25	104	751.6	65	132	67	132

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
751.7	3	10	7	10	756.3	12	30	18	30	760.8	36	69	33	69
751.8	3	5	2	5	756.4	24	59	35	59	760.9	2	2	-	2
751.9	3	14	11	14	756.5	75	146	71	146	761.0	283	318	35	318
752.0	-	-	-	-	756.6	344	445	101	445	761.1	492	734	242	734
752.1	-	1	1	1	756.7	60	102	42	102	761.2	31	249	218	249
752.2	-	-	-	-	756.8	17	46	29	46	761.3	16	26	10	26
752.3	-	4	4	4	756.9	9	23	14	26	761.4	2	4	2	4
752.4	-	2	2	2	757.0	2	5	3	5	761.5	659	1482	823	1482
752.5	-	5	5	5	757.1	4	13	9	13	761.6	3	4	1	4
752.6	2	10	8	10	757.2	-	-	-	-	761.7	3	6	3	6
752.7	-	7	7	7	757.3	34	82	48	83	761.8	47	68	21	68
752.8	2	8	6	8	757.4	-	-	-	-	761.9	-	-	-	-
752.9	2	11	9	11	757.5	-	2	2	2	762.0	32	47	15	47
753.0	371	514	143	514	757.6	-	-	-	-	762.1	448	569	121	587
753.1	356	914	558	915	757.8	-	-	-	-	762.2	25	41	16	41
753.2	7	34	27	34	757.9	1	3	2	3	762.3	36	77	41	77
753.3	21	65	44	65	758.0	425	1226	802	1232	762.4	31	56	25	56
753.4	-	2	2	2	758.1	328	363	35	363	762.5	29	45	16	48
753.5	6	9	3	9	758.2	444	515	71	515	762.6	12	15	3	16
753.6	1	14	13	14	758.3	11	14	3	14	762.7	352	534	182	534
753.7	-	-	-	-	758.4	-	-	-	-	762.8	1	9	8	9
753.8	5	18	13	18	758.5	55	77	22	77	762.9	-	1	1	1
753.9	25	111	86	137	758.6	6	53	47	53	763.0	13	31	18	31
754.0	-	6	6	6	758.7	3	18	15	18	763.1	8	13	5	13
754.1	-	-	-	-	758.8	9	15	6	15	763.2	1	2	1	2
754.2	5	15	10	15	758.9	126	182	56	205	763.3	1	3	2	3
754.3	-	7	7	7	759.0	19	70	51	70	763.4	1	7	6	7
754.4	-	-	-	-	759.1	5	13	8	13	763.5	-	-	-	-
754.5	-	3	3	3	759.2	3	12	9	12	763.6	14	25	11	25
754.6	-	-	-	-	759.3	14	35	22	36	763.7	4	14	10	14
754.7	-	13	13	13	759.4	30	39	9	39	763.8	33	67	34	68
754.8	5	22	17	22	759.5	33	53	20	53	763.9	13	17	4	17
755.0	-	7	7	7	759.6	19	43	24	43	764.0	3	20	17	20
755.1	1	4	3	4	759.7	434	526	92	1058	764.1	-	-	-	-
755.2	-	6	6	6	759.8	349	584	235	589	764.2	1	2	1	2
755.3	-	4	4	4	759.9	77	163	86	288	764.9	24	112	88	113
755.4	-	1	1	1	760.0	27	46	19	46	765.0	2965	9847	6882	9887
755.5	1	15	14	15	760.1	9	14	5	15	765.1	1178	6239	5061	7901
755.6	-	17	17	17	760.2	16	25	9	25	766.0	-	1	1	1
755.8	11	39	28	39	760.3	8	9	1	9	766.1	-	2	2	2
755.9	1	5	4	5	760.4	-	-	-	-	766.2	-	8	8	8
756.0	37	78	41	86	760.5	20	34	14	34	767.0	190	538	349	540
756.1	33	99	66	99	760.6	-	-	-	-	767.1	-	4	4	4
756.2	-	-	-	-	760.7	84	159	75	159	767.2	-	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

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	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
767.3	2	4	2	4	773.2	15	65	50	110	778.5	2	5	3	5
767.4	1	5	4	5	773.3	6	7	1	3	778.6	1	1	-	1
767.5	-	-	-	-	773.4	-	-	-	-	778.7	-	-	-	-
767.6	-	1	1	1	773.5	-	-	-	-	778.8	-	-	-	-
767.7	2	3	1	3	774.1	-	-	-	-	778.9	-	-	-	-
767.8	12	32	20	31	774.2	1	17	16	-	779.0	20	124	104	124
767.9	8	21	13	25	774.3	-	-	-	-	779.1	1	2	1	2
768.2	-	-	-	-	774.4	7	14	7	14	779.2	4	12	8	12
768.3	1	2	1	2	774.5	-	-	-	-	779.3	1	6	5	6
768.4	172	408	237	456	774.6	2	12	10	31	779.4	-	2	2	2
768.5	58	113	55	131	774.7	-	-	-	1	779.5	6	11	5	11
768.6	-	-	-	-	775.0	9	36	27	36	779.6	68	76	8	76
768.9	398	1034	640	1316	775.1	-	2	2	2	779.8	1518	5265	3747	5266
769	2573	3053	480	3053	775.2	1	1	-	1	779.9	16	16	-	47
770.0	36	65	29	65	775.3	-	1	1	1	780.0	8	4555	4547	5231
770.1	131	275	144	277	775.4	-	3	3	3	780.1	-	15	15	15
770.2	256	1063	807	1063	775.5	6	19	13	19	780.2	14	1375	1361	1375
770.3	126	475	349	475	775.6	2	8	6	9	780.3	706	18587	17881	18588
770.4	396	519	123	519	775.7	1	21	20	21	780.4	-	116	116	116
770.5	66	101	35	101	775.8	-	-	-	-	780.5	-	24	24	24
770.6	-	2	2	2	775.9	-	-	-	-	780.6	42	1678	1636	1682
770.7	548	888	340	889	776.0	3	6	3	6	780.7	1	821	820	823
770.8	1235	3602	2367	3603	776.1	1	4	3	4	780.8	-	-	-	-
770.9	2	2	-	3	776.2	46	232	186	232	780.9	2	357	355	357
771.0	8	14	6	14	776.3	1	4	3	4	781.0	-	78	78	78
771.1	31	47	16	48	776.4	-	-	-	-	781.1	-	3	3	3
771.2	34	37	4	38	776.5	6	21	15	19	781.2	-	33	33	33
771.3	-	-	-	-	776.6	7	55	48	-	781.3	-	133	133	133
771.4	4	7	3	7	776.7	2	10	8	10	781.4	-	8	8	8
771.5	-	-	-	-	776.8	-	-	-	-	781.5	-	1	1	1
771.6	-	-	-	-	776.9	2	2	-	3	781.6	-	1	1	2
771.7	23	32	9	32	777.1	5	7	2	7	781.7	-	4	4	4
771.8	797	1778	981	1779	777.2	-	-	-	-	781.9	25	327	302	327
772.0	22	38	16	40	777.3	-	-	-	-	782.0	-	11	11	11
772.1	250	760	510	760	777.4	-	1	1	1	782.1	-	11	11	11
772.2	10	27	17	27	777.5	404	508	104	508	782.2	-	11	11	11
772.3	1	2	1	2	777.6	23	92	69	92	782.3	6	1717	1711	1793
772.4	5	18	13	18	777.8	4	4	-	4	782.4	3	1017	1014	1017
772.5	1	6	5	6	777.9	-	-	-	-	782.5	-	36	36	36
772.6	2	11	10	11	778.0	170	344	174	348	782.6	-	4	4	4
772.8	20	38	18	38	778.1	1	2	1	2	782.7	1	23	22	23
772.9	19	62	43	70	778.2	-	1	1	1	782.8	-	1	1	1
773.0	13	22	9	22	778.3	3	26	23	26	782.9	1	1	-	1
773.1	-	1	1	1	778.4	-	-	-	-	783.0	11	1764	1753	1764

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
783.1	1	6	5	6	788.0	1	12	11	12	793.2	-	5	5	5
783.2	-	538	538	539	788.1	-	2	2	2	793.3	-	1	1	1
783.3	-	70	70	70	788.2	-	497	497	497	793.4	-	-	-	-
783.4	28	1077	1049	1090	788.3	1	252	251	252	793.5	-	-	-	-
783.5	-	7	7	7	788.4	-	5	5	5	793.6	-	-	-	-
783.6	-	64	64	64	788.5	-	387	387	387	793.7	-	-	-	-
783.9	2	148	146	148	788.6	-	1	1	1	793.8	-	-	-	-
784.0	3	43	40	43	788.7	-	-	-	-	793.9	-	3	3	3
784.1	-	-	-	-	788.8	-	1	1	1	794.0	-	-	-	-
784.2	4	93	89	93	788.9	-	3	3	3	794.1	-	2	2	2
784.3	-	1411	1411	1411	789.0	53	1166	1114	1166	794.2	-	1	1	1
784.4	-	16	16	16	789.1	1	325	324	325	794.3	-	11	11	11
784.5	1	200	199	200	789.2	-	223	223	224	794.4	-	-	-	-
784.6	-	19	19	19	789.3	5	357	352	357	794.5	-	-	-	-
784.7	2	185	183	185	789.4	-	1	1	1	794.6	-	-	-	-
784.8	-	30	30	30	789.5	10	5561	5551	5561	794.7	-	-	-	-
784.9	-	23	23	23	789.9	9	310	301	310	794.8	-	43	43	43
785.0	3	624	621	624	790.0	-	7	7	7	794.9	-	1	1	1
785.1	1	8	7	8	790.1	-	1	1	1	795.0	1	3	2	3
785.2	-	49	49	49	790.2	1	33	32	33	795.1	1	2	1	2
785.3	-	5	5	5	790.3	20	1624	1604	1684	795.2	-	-	-	-
785.4	96	6159	6064	10001	790.4	-	2	2	2	795.3	-	1	1	1
785.5	980	62686	61706	62691	790.5	-	2	2	2	795.4	-	1	1	1
785.6	2	151	149	151	790.6	10	774	764	945	795.5	-	2	2	2
785.9	-	29	29	29	790.7	18	1192	1174	1232	795.6	-	-	-	-
786.0	89	10473	10384	10478	790.8	5	105	100	105	795.7	-	1	1	1
786.1	-	16	16	16	790.9	-	14	14	14	795.8	-	1316	1316	1316
786.2	-	65	65	65	791.0	-	41	41	41	796.0	-	3	3	3
786.3	44	3472	3428	3472	791.1	-	2	2	2	796.1	-	5	5	5
786.4	-	4	4	4	791.2	-	2	2	2	796.2	-	-	-	-
786.5	8	253	245	253	791.3	-	41	41	41	796.3	-	-	-	-
786.6	2	59	57	59	791.4	-	-	-	-	796.4	-	6	6	6
786.7	-	3	3	3	791.5	-	3	3	3	796.9	-	1	1	1
786.8	-	14	14	14	791.6	-	-	-	-	797	1414	16502	15088	17175
786.9	1	69	68	69	791.7	-	2	2	2	798.0	5349	5713	365	5713
787.0	5	897	892	903	791.9	8	3382	3374	3382	798.1	366	434	68	434
787.1	-	5	5	5	792.0	-	-	-	-	798.2	2	3	1	3
787.2	3	4375	4372	4375	792.1	-	-	-	-	798.9	36	58	22	58
787.3	-	102	102	102	792.2	-	-	-	-	799.0	54	11339	11285	11373
787.4	-	7	7	7	792.3	-	-	-	-	799.1	2410	203929	201520	203929
787.5	-	2	2	2	792.4	-	-	-	-	799.2	1	14	13	14
787.6	-	33	33	33	792.9	-	1	1	1	799.3	27	5232	5205	5404
787.7	-	-	-	-	793.0	-	-	-	-	799.4	35	9452	9417	9616
787.9	-	36	36	36	793.1	-	42	42	42	799.8	158	5747	5590	5747



MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
799.9	12251	26687	14464	26687	E807.1	1	1	-	1	E813.9	29	30	1	30
E800.0	5	5	-	5	E807.2	1	1	-	1	E814.0	3	4	1	4
E800.1	-	-	-	-	E807.3	-	-	-	-	E814.1	3	3	-	3
E800.2	-	-	-	-	E807.8	-	-	-	-	E814.2	8	8	-	8
E800.3	-	-	-	-	E807.9	12	15	3	15	E814.3	2	2	-	2
E800.8	1	1	-	1	E810.0	288	290	2	290	E814.4	1	1	-	1
E800.9	1	1	-	1	E810.1	119	119	-	119	E814.5	1	1	-	1
E801.0	-	-	-	-	E810.2	7	7	-	7	E814.6	4	4	-	4
E801.1	-	-	-	-	E810.3	-	-	-	-	E814.7	6154	6223	70	6223
E801.2	-	-	-	-	E810.4	-	-	-	-	E814.8	1	1	-	1
E801.3	7	7	-	7	E810.5	-	-	-	-	E814.9	3	3	-	3
E801.8	1	1	-	1	E810.6	-	-	-	-	E815.0	3627	3683	56	3683
E801.9	-	-	-	-	E810.7	9	9	-	9	E815.1	1535	1545	10	1545
E802.0	-	1	1	1	E810.8	-	-	-	-	E815.2	476	477	1	477
E802.1	7	7	-	7	E810.9	118	118	-	118	E815.3	45	45	-	45
E802.2	-	-	-	-	E811.0	10	10	-	10	E815.4	-	-	-	-
E802.3	-	-	-	-	E811.1	4	4	-	4	E815.5	2	3	1	3
E802.8	1	1	-	1	E811.2	-	-	-	-	E815.6	2	2	-	2
E802.9	3	3	-	3	E811.3	-	-	-	-	E815.7	-	-	-	-
E803.0	-	-	-	-	E811.4	-	-	-	-	E815.8	1	2	1	2
E803.1	-	-	-	-	E811.5	-	-	-	-	E815.9	688	703	15	703
E803.2	-	-	-	-	E811.6	-	-	-	-	E816.0	3946	3989	43	3989
E803.3	-	-	-	-	E811.7	-	-	-	-	E816.1	1712	1722	10	1722
E803.8	-	-	-	-	E811.8	-	-	-	-	E816.2	334	334	-	334
E803.9	1	1	-	1	E811.9	1	1	-	1	E816.3	43	43	-	43
E804.0	2	2	-	2	E812.0	8337	8439	103	8439	E816.4	-	-	-	-
E804.1	3	3	-	3	E812.1	4266	4320	54	4320	E816.5	-	-	-	-
E804.2	1	1	-	1	E812.2	1057	1062	5	1062	E816.6	-	-	-	-
E804.3	-	-	-	-	E812.3	140	141	1	141	E816.7	5	5	-	5
E804.8	2	2	-	2	E812.4	-	-	-	-	E816.8	3	3	-	3
E804.9	15	15	-	15	E812.5	-	-	-	-	E816.9	969	987	18	987
E805.0	5	5	-	5	E812.6	11	11	-	11	E817.0	1	1	-	1
E805.1	1	1	-	1	E812.7	12	12	-	12	E817.1	4	5	1	5
E805.2	539	542	3	542	E812.8	6	6	-	6	E817.2	-	-	-	-
E805.3	5	5	-	5	E812.9	2056	2094	39	2094	E817.3	-	-	-	-
E805.8	2	2	-	2	E813.0	4	4	-	4	E817.4	-	-	-	-
E805.9	29	30	1	30	E813.1	-	-	-	-	E817.5	-	-	-	-
E806.0	1	1	-	1	E813.2	2	2	-	2	E817.6	-	-	-	-
E806.1	-	-	-	-	E813.3	-	-	-	-	E817.7	1	2	1	2
E806.2	1	1	-	1	E813.4	-	-	-	-	E817.8	1	1	-	1
E806.3	-	-	-	-	E813.5	12	12	-	12	E817.9	6	9	3	9
E806.8	1	1	-	1	E813.6	777	779	2	779	E818.0	135	136	1	136
E806.9	1	1	-	1	E813.7	-	-	-	-	E818.1	365	366	1	366
E807.0	2	2	-	2	E813.8	6	6	-	6	E818.2	18	18	-	18

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
E818.3	8	8	-	8	E822.7	336	342	6	342	E827.4	-	-	-	-
E818.4	-	-	-	-	E822.8	1	1	-	1	E827.8	-	-	-	-
E818.5	-	-	-	-	E822.9	15	15	-	15	E827.9	-	-	-	-
E818.6	-	-	-	-	E823.0	21	25	4	25	E828.0	1	1	-	1
E818.7	8	8	-	8	E823.1	12	12	-	12	E828.1	1	1	-	1
E818.8	3	4	1	4	E823.2	5	5	-	5	E828.2	90	94	4	94
E818.9	355	361	6	361	E823.3	1	1	-	1	E828.3	-	-	-	-
E819.0	1134	1176	42	1176	E823.4	-	-	-	-	E828.4	-	-	-	-
E819.1	646	660	15	660	E823.5	-	-	-	-	E828.8	-	-	-	-
E819.2	140	141	1	141	E823.6	-	-	-	-	E828.9	3	5	2	5
E819.3	21	21	-	21	E823.7	2	2	-	2	E829.0	1	2	1	2
E819.4	-	-	-	-	E823.8	-	-	-	-	E829.1	-	-	-	-
E819.5	-	-	-	-	E823.9	13	13	-	13	E829.2	-	-	-	-
E819.6	-	-	-	-	E824.0	1	1	-	1	E829.3	-	-	-	-
E819.7	-	-	-	-	E824.1	2	2	-	2	E829.4	-	-	-	-
E819.8	-	-	-	-	E824.2	-	-	-	-	E829.8	-	-	-	-
E819.9	2936	3171	235	3171	E824.3	-	-	-	-	E829.9	1	1	-	1
E820.0	30	30	-	30	E824.4	-	-	-	-	E830.0	51	55	4	55
E820.1	3	3	-	3	E824.5	-	-	-	-	E830.1	60	59	-	59
E820.2	-	-	-	-	E824.6	-	-	-	-	E830.2	12	12	-	12
E820.3	-	-	-	-	E824.7	1	1	-	1	E830.3	9	9	-	9
E820.4	-	-	-	-	E824.8	-	-	-	-	E830.4	1	1	-	1
E820.5	-	-	-	-	E824.9	7	9	2	9	E830.5	-	-	-	-
E820.6	-	-	-	-	E825.0	45	46	1	46	E830.6	-	-	-	-
E820.7	-	-	-	-	E825.1	34	34	-	34	E830.8	2	2	-	2
E820.8	-	-	-	-	E825.2	13	14	1	14	E830.9	166	166	-	166
E820.9	30	30	-	30	E825.3	1	1	-	1	E831.0	3	3	-	3
E821.0	60	62	2	62	E825.4	-	-	-	-	E831.1	19	20	1	20
E821.1	22	23	1	23	E825.5	-	-	-	-	E831.2	2	2	-	2
E821.2	7	7	-	7	E825.6	-	-	-	-	E831.3	6	6	-	6
E821.3	-	-	-	-	E825.7	11	11	-	11	E831.4	-	-	-	-
E821.4	-	-	-	-	E825.8	4	4	-	4	E831.5	-	-	-	-
E821.5	-	-	-	-	E825.9	93	100	7	100	E831.6	-	-	-	-
E821.6	-	-	-	-	E826.0	6	6	-	6	E831.8	3	3	-	3
E821.7	5	5	-	5	E826.1	92	97	5	97	E831.9	24	24	-	24
E821.8	7	7	-	7	E826.2	4	4	-	4	E832.0	47	47	-	47
E821.9	97	100	3	100	E826.3	-	-	-	-	E832.1	18	18	-	18
E822.0	20	20	-	20	E826.4	-	-	-	-	E832.2	23	23	-	23
E822.1	8	8	-	8	E826.8	-	-	-	-	E832.3	11	11	-	11
E822.2	3	3	-	3	E826.9	14	14	-	14	E832.4	-	-	-	-
E822.3	1	1	-	1	E827.0	-	-	-	-	E832.5	-	-	-	-
E822.4	-	-	-	-	E827.1	-	-	-	-	E832.6	-	-	-	-
E822.5	-	-	-	-	E827.2	-	-	-	-	E832.8	1	1	-	1
E822.6	4	4	-	4	E827.3	2	2	-	2	E832.9	253	254	1	254

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
E833.0	-	-	-	-	E837.9	3	3	-	3	E843.4	-	-	-	-
E833.1	1	1	-	1	E838.0	2	2	-	2	E843.5	2	2	-	2
E833.2	1	1	-	1	E838.1	20	20	-	20	E843.6	-	-	-	-
E833.3	-	-	-	-	E838.2	9	9	-	9	E843.7	1	1	-	1
E833.4	-	-	-	-	E838.3	-	-	-	-	E843.8	-	-	-	-
E833.5	-	-	-	-	E838.4	5	5	-	5	E843.9	1	1	-	1
E833.6	-	-	-	-	E838.5	1	1	-	1	E844.0	-	-	-	-
E833.8	-	-	-	-	E838.6	-	-	-	-	E844.1	1	1	-	1
E833.9	1	1	-	1	E838.8	6	6	-	6	E844.2	-	1	1	1
E834.0	-	-	-	-	E838.9	67	67	-	67	E844.3	1	1	-	1
E834.1	-	-	-	-	E840.0	-	-	-	-	E844.4	-	-	-	-
E834.2	1	1	-	1	E840.1	1	1	-	1	E844.5	1	1	-	1
E834.3	-	-	-	-	E840.2	9	9	-	9	E844.6	-	-	-	-
E834.4	-	-	-	-	E840.3	51	51	-	51	E844.7	30	30	-	30
E834.5	-	-	-	-	E840.4	5	5	-	5	E844.8	2	2	-	2
E834.6	-	-	-	-	E840.5	31	31	-	31	E844.9	1	1	-	1
E834.8	-	-	-	-	E840.6	-	-	-	-	E845.0	-	-	-	-
E834.9	4	4	-	4	E840.7	-	-	-	-	E845.1	-	-	-	-
E835.0	1	1	-	1	E840.8	-	-	-	-	E845.2	-	-	-	-
E835.1	-	-	-	-	E840.9	3	3	-	3	E845.3	-	-	-	-
E835.2	1	1	-	1	E841.0	-	-	-	-	E845.4	-	-	-	-
E835.3	3	3	1	3	E841.1	47	47	-	47	E845.5	-	-	-	-
E835.4	1	1	-	1	E841.2	80	80	-	80	E845.6	-	-	-	-
E835.5	-	-	-	-	E841.3	405	408	3	408	E845.7	-	-	-	-
E835.6	-	-	-	-	E841.4	3	3	-	3	E845.8	-	-	-	-
E835.8	-	-	-	-	E841.5	287	287	-	287	E845.9	-	-	-	-
E835.9	3	3	-	3	E841.6	2	2	-	2	E846	4	4	-	4
E836.0	-	-	-	-	E841.7	-	-	-	-	E847	1	1	-	1
E836.1	-	-	-	-	E841.8	-	-	-	-	E848	39	46	7	46
E836.2	2	2	-	2	E841.9	16	16	-	16	E850.0	872	948	76	948
E836.3	-	-	-	-	E842.0	-	-	-	-	E850.1	63	83	20	83
E836.4	-	-	-	-	E842.1	-	-	-	-	E850.2	65	78	13	78
E836.5	-	-	-	-	E842.2	-	-	-	-	E850.3	1	3	2	3
E836.6	-	-	-	-	E842.3	-	-	-	-	E850.4	2	2	-	2
E836.8	1	1	-	1	E842.4	-	-	-	-	E850.5	87	94	7	94
E836.9	1	1	-	1	E842.5	-	-	-	-	E850.8	143	192	49	192
E837.0	3	3	-	3	E842.6	15	15	-	15	E850.9	5	6	1	6
E837.1	2	2	-	2	E842.7	2	2	-	2	E851	26	33	7	33
E837.2	-	-	-	-	E842.8	-	-	-	-	E852.0	1	2	1	2
E837.3	1	1	-	1	E842.9	2	2	-	2	E852.1	-	-	-	-
E837.4	-	-	-	-	E843.0	-	-	-	-	E852.2	1	1	-	1
E837.5	-	-	-	-	E843.1	-	-	-	-	E852.3	-	-	-	-
E837.6	-	-	-	-	E843.2	-	-	-	-	E852.4	1	1	-	1
E837.8	-	-	-	-	E843.3	1	1	-	1	E852.5	5	5	-	5

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
E852.8	3	3	-	3	E861.5	-	-	-	-	E868.1	18	18	-	18
E852.9	3	5	2	5	E861.6	-	-	-	-	E868.2	278	279	1	279
E853.0	18	28	10	28	E861.9	1	1	-	1	E868.3	104	105	1	105
E853.1	1	2	1	2	E862.0	-	-	-	-	E868.8	28	30	2	30
E853.2	41	51	10	51	E862.1	20	22	2	22	E868.9	118	127	9	127
E853.8	14	19	5	19	E862.2	-	1	1	1	E869.0	4	4	-	4
E853.9	2	2	-	2	E862.3	-	1	1	1	E869.1	-	-	-	-
E854.0	141	161	20	161	E862.4	55	69	14	69	E869.2	27	29	2	29
E854.1	2	4	2	4	E862.9	-	-	-	-	E869.3	-	-	-	-
E854.2	50	66	16	66	E863.0	4	4	-	4	E869.8	84	111	27	111
E854.3	-	-	-	-	E863.1	3	4	1	4	E869.9	7	9	2	9
E855.0	33	63	30	63	E863.2	-	1	1	1	E870.0	111	137	26	137
E855.1	40	49	9	49	E863.3	-	-	-	-	E870.1	-	-	-	-
E855.2	1147	1390	243	1390	E863.4	1	1	-	1	E870.2	6	6	-	6
E855.3	-	-	-	-	E863.5	1	1	-	1	E870.3	-	-	-	-
E855.4	6	8	2	8	E863.6	1	1	-	1	E870.4	18	24	6	24
E855.5	4	5	1	5	E863.7	5	1	1	1	E870.5	46	48	2	48
E855.6	2	2	-	2	E863.8	-	-	-	-	E870.6	31	36	5	36
E855.8	7	13	6	13	E863.9	-	-	-	-	E870.7	7	8	1	8
E855.9	-	-	-	-	E864.0	-	-	-	-	E870.8	70	80	10	80
E856	57	72	15	72	E864.1	5	6	1	6	E870.9	6	7	1	7
E857	10	13	3	13	E864.2	2	6	4	6	E871.0	4	6	2	6
E858.0	17	23	6	23	E864.3	3	3	-	3	E871.1	-	-	-	-
E858.1	36	54	18	54	E864.4	-	1	1	1	E871.2	-	-	-	-
E858.2	35	50	15	50	E865.0	1	1	-	1	E871.3	-	-	-	-
E858.3	282	705	423	705	E865.1	1	2	1	2	E871.4	-	-	-	-
E858.4	3	4	1	4	E865.2	-	-	-	-	E871.5	-	-	-	-
E858.5	85	248	163	248	E865.3	-	-	-	-	E871.6	-	-	-	-
E858.6	14	22	8	22	E865.4	2	2	-	2	E871.7	1	1	-	1
E858.7	6	9	3	9	E865.5	1	1	-	1	E871.8	-	-	-	-
E858.8	1033	1140	107	1140	E865.8	-	-	-	-	E871.9	1	1	-	1
E858.9	851	966	116	966	E865.9	1	1	-	1	E872.0	-	-	-	-
E860.0	15	19	4	19	E866.0	4	10	6	10	E872.1	-	-	-	-
E860.1	151	391	240	391	E866.1	-	-	-	-	E872.2	1	1	-	1
E860.2	29	30	1	30	E866.2	-	-	-	-	E872.3	-	-	-	-
E860.3	23	28	5	28	E866.3	-	-	-	-	E872.4	-	-	-	-
E860.4	-	-	-	-	E866.4	12	29	17	29	E872.5	-	-	-	-
E860.8	3	4	1	4	E866.5	-	1	1	1	E872.6	-	-	-	-
E860.9	110	318	208	318	E866.6	3	3	-	3	E872.8	-	-	-	-
E861.0	1	2	1	2	E866.7	-	-	-	-	E872.9	1	3	2	3
E861.1	-	-	-	-	E866.8	14	24	10	24	E873.0	-	3	3	3
E861.2	-	-	-	-	E866.9	13	19	6	19	E873.1	-	-	-	-
E861.3	1	3	2	3	E867	20	21	1	21	E873.2	1	5	4	5
E861.4	2	2	-	2	E868.0	48	50	2	50	E873.3	1	1	-	1

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
E873.4	-	-	-	-	E879.9	7	71	64	71	E900.0	99	133	34	133
E873.5	1	1	-	-	E880.0	4	5	1	5	E900.1	14	19	6	19
E873.6	-	-	-	-	E880.9	1198	1313	115	1313	E900.9	87	130	43	130
E873.8	-	-	-	-	E881.0	252	269	17	269	E901.0	295	350	55	350
E873.9	-	-	-	-	E881.1	65	68	3	68	E901.1	2	2	-	2
E874.0	-	-	-	-	E882	607	653	46	653	E901.8	16	17	1	17
E874.1	1	2	1	2	E883.0	46	47	1	47	E901.9	275	516	241	516
E874.2	2	2	-	2	E883.1	3	3	-	3	E902.0	2	4	2	4
E874.3	-	-	-	-	E883.2	2	2	-	2	E902.1	-	-	-	-
E874.4	1	2	1	2	E883.9	53	57	4	57	E902.2	10	10	-	10
E874.5	-	-	-	-	E884.0	2	2	-	2	E902.8	1	1	-	1
E874.8	3	3	-	3	E884.1	113	114	1	114	E902.9	5	6	1	6
E874.9	2	2	-	2	E884.2	488	747	259	747	E903	-	-	-	-
E875.0	6	218	212	218	E884.9	458	484	26	484	E904.0	8	21	13	21
E875.1	-	-	-	-	E885	466	717	251	717	E904.1	52	99	47	99
E875.2	-	1	1	1	E886.0	3	4	1	4	E904.2	1	1	-	1
E875.8	-	-	-	-	E886.9	5	5	-	5	E904.3	80	122	42	122
E875.9	1	2	1	2	E887	3007	11965	8961	11965	E904.9	4	7	3	7
E876.0	3	4	1	4	E888	5890	8519	2630	8519	E905.0	5	7	2	7
E876.1	1	1	-	1	E890.0	5	5	-	5	E905.1	8	12	4	12
E876.2	-	1	1	1	E890.1	3	3	-	3	E905.2	2	2	-	2
E876.3	2	2	-	2	E890.2	2655	2677	22	2677	E905.3	64	66	2	66
E876.4	-	-	-	-	E890.3	616	629	13	629	E905.4	3	3	-	3
E876.5	-	1	1	1	E890.8	53	57	4	57	E905.5	6	10	4	10
E876.8	48	56	8	56	E890.9	52	62	10	62	E905.6	-	-	-	-
E876.9	6	8	2	8	E891.0	2	2	-	2	E905.7	-	-	-	-
E878.0	40	957	917	957	E891.1	-	-	-	-	E905.8	-	-	-	-
E878.1	237	3119	2882	3119	E891.2	79	80	1	80	E905.9	2	2	-	2
E878.2	172	5065	4893	5065	E891.3	40	40	-	40	E906.0	13	15	2	15
E878.3	113	725	612	725	E891.8	2	2	-	2	E906.1	-	1	1	1
E878.4	94	1499	1405	1499	E891.9	9	10	1	10	E906.2	-	-	-	-
E878.5	173	808	635	808	E892	88	93	5	93	E906.3	2	5	3	5
E878.6	159	3989	3830	3989	E893.0	65	67	2	67	E906.4	5	7	2	7
E878.8	135	1654	1519	1654	E893.1	6	6	-	6	E906.8	68	72	4	72
E878.9	538	4921	4384	4921	E893.2	21	24	3	24	E906.9	8	8	-	8
E879.0	21	96	75	96	E893.8	48	50	2	50	E907	75	77	2	77
E879.1	25	257	232	257	E893.9	22	28	6	28	E908	70	71	1	71
E879.2	12	1441	1429	1441	E894	58	61	3	61	E909	10	10	-	10
E879.3	1	7	6	7	E895	35	37	2	37	E910.0	1	1	-	1
E879.4	2	17	15	17	E896	5	5	-	5	E910.1	34	37	3	37
E879.5	1	2	1	2	E897	12	13	1	13	E910.2	779	788	9	788
E879.6	130	384	254	384	E898.0	20	22	2	22	E910.3	53	53	-	53
E879.7	-	-	-	-	E898.1	68	80	12	80	E910.4	312	360	48	360
E879.8	231	1664	1433	1664	E899	156	250	94	250	E910.8	2066	2117	51	2117

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
E910.9	722	751	29	751	E923.0	4	5	1	5	E930.8	-	13	13	13
E911	1247	3577	2330	3577	E923.1	6	6	-	6	E930.9	2	83	81	83
E912	1993	14604	12611	14604	E923.2	64	66	2	66	E931.0	2	7	5	7
E913.0	217	224	7	224	E923.8	58	59	1	59	E931.1	-	-	-	-
E913.1	43	43	-	43	E923.9	50	52	2	52	E931.2	1	1	-	1
E913.2	16	17	1	17	E924.0	98	124	26	124	E931.3	-	-	-	-
E913.3	58	59	1	59	E924.1	10	12	2	12	E931.4	-	-	-	-
E913.8	423	439	16	439	E924.8	16	23	7	23	E931.5	-	3	3	3
E913.9	198	230	32	230	E924.9	1	1	-	1	E931.6	-	-	-	-
E914	-	-	-	-	E925.0	82	82	-	82	E931.7	-	9	9	9
E915	22	40	18	40	E925.1	132	132	-	132	E931.8	-	13	13	13
E916	799	810	11	810	E925.2	74	74	-	74	E931.9	1	8	7	8
E917.0	45	46	1	46	E925.8	190	191	1	191	E932.0	-	454	454	454
E917.1	11	11	-	11	E925.9	148	155	7	155	E932.1	-	28	28	28
E917.2	1	1	-	1	E926.0	-	-	-	-	E932.2	1	4	3	4
E917.9	161	178	17	178	E926.1	-	-	-	-	E932.3	6	58	52	58
E918	89	92	3	92	E926.2	-	-	-	-	E932.4	-	2	2	2
E919.0	571	585	14	585	E926.3	-	-	-	-	E932.5	-	-	-	-
E919.1	39	39	-	39	E926.4	-	-	-	-	E932.6	-	-	-	-
E919.2	162	167	5	167	E926.5	-	-	-	-	E932.7	-	-	-	-
E919.3	12	12	-	12	E926.8	-	-	-	-	E932.8	-	1	1	1
E919.4	8	9	1	9	E926.9	-	-	-	-	E932.9	-	1	1	1
E919.5	1	1	-	1	E927	30	58	28	58	E933.0	1	8	7	8
E919.6	11	11	-	11	E928.0	1	1	-	1	E933.1	3	2068	2065	2068
E919.7	78	79	1	79	E928.1	-	-	-	-	E933.2	-	-	-	-
E919.8	145	146	1	146	E928.2	-	-	-	-	E933.3	-	-	-	-
E919.9	46	46	-	46	E928.8	32	39	7	39	E933.4	-	4	4	4
E920.0	13	13	-	13	E928.9	2093	3648	1556	3648	E933.5	-	1	1	1
E920.1	7	8	1	8	E929.0	311	426	115	426	E933.8	-	1	1	1
E920.2	7	7	-	7	E929.1	21	28	7	28	E933.9	-	-	-	-
E920.3	6	7	1	7	E929.2	17	28	11	28	E934.0	-	3	3	3
E920.4	5	5	-	5	E929.3	188	717	529	717	E934.1	-	2	2	2
E920.8	52	57	5	57	E929.4	9	18	9	18	E934.2	8	480	472	480
E920.9	26	37	11	37	E929.5	4	15	11	15	E934.3	-	-	-	-
E921.0	8	8	-	8	E929.8	82	131	49	131	E934.4	1	70	69	70
E921.1	5	5	-	5	E929.9	220	582	362	583	E934.5	6	37	31	37
E921.8	31	31	-	31	E930.0	7	61	54	61	E934.6	-	1	1	1
E921.9	1	1	-	1	E930.1	1	6	5	6	E934.7	-	-	-	-
E922.0	255	257	2	257	E930.2	1	1	-	1	E934.8	-	3	3	3
E922.1	163	165	2	165	E930.3	-	5	5	5	E934.9	-	3	3	3
E922.2	94	94	-	94	E930.4	-	-	-	-	E935.0	2	13	11	13
E922.3	2	2	-	2	E930.5	1	7	6	7	E935.1	2	26	24	26
E922.8	6	7	1	7	E930.6	-	4	4	4	E935.2	-	4	4	4
E922.9	921	962	41	962	E930.7	3	85	82	85	E935.3	-	2	2	2

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
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ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
E935.4	-	24	24	24	E941.3	1	1	-	1	E946.6	-	-	-	
E935.5	1	2	1	2	E941.9	-	-	-	-	E946.7	-	-	-	
E935.8	3	17	14	17	E942.0	1	60	59	60	E946.8	-	-	-	
E935.9	-	2	2	2	E942.1	-	26	26	26	E946.9	-	1	1	
E936.0	-	-	-	-	E942.2	-	7	7	7	E947.0	-	1	1	
E936.1	4	31	27	31	E942.3	-	-	-	-	E947.1	-	-	-	
E936.2	-	-	-	-	E942.4	-	3	3	3	E947.2	-	-	-	
E936.3	1	11	10	11	E942.5	-	1	1	1	E947.3	-	-	-	
E936.4	-	1	1	1	E942.6	-	3	3	3	E947.4	-	-	-	
E937.0	-	1	1	1	E942.7	-	1	1	1	E947.8	19	159	140	
E937.1	-	-	-	-	E942.8	-	-	-	-	E947.9	64	347	283	
E937.2	-	-	-	-	E942.9	-	2	2	2	E948.0	-	1	1	
E937.3	-	-	-	-	E943.0	-	-	-	-	E948.1	-	-	-	
E937.4	-	-	-	-	E943.1	-	-	-	-	E948.2	-	-	-	
E937.5	-	-	-	-	E943.2	-	1	1	1	E948.3	-	-	-	
E937.6	-	-	-	-	E943.3	-	2	2	2	E948.4	-	-	-	
E937.8	-	-	-	-	E943.4	-	-	-	-	E948.5	-	-	-	
E937.9	1	3	2	3	E943.5	-	-	-	-	E948.6	-	-	-	
E938.0	-	-	-	-	E943.6	-	-	-	-	E948.8	-	-	-	
E938.1	-	2	2	2	E943.8	-	-	-	-	E948.9	1	2	1	
E938.2	-	-	-	-	E943.9	-	-	-	-	E949.0	-	-	-	
E938.3	-	2	2	2	E944.0	-	-	-	-	E949.1	-	-	-	
E938.4	-	12	12	12	E944.1	2	8	6	8	E949.2	-	-	-	
E938.5	2	11	9	11	E944.2	-	-	-	-	E949.3	-	-	-	
E938.6	-	-	-	-	E944.3	-	3	3	3	E949.4	-	1	1	
E938.7	1	4	3	4	E944.4	-	7	7	7	E949.5	-	-	-	
E938.9	5	54	49	54	E944.5	-	2	2	2	E949.6	-	1	1	
E939.0	1	11	10	11	E944.6	-	-	-	-	E949.7	-	-	-	
E939.1	3	17	14	17	E944.7	-	5	5	5	E949.9	-	-	-	
E939.2	-	3	3	3	E945.0	-	-	-	-	E950.0	357	368	11	
E939.3	-	10	10	10	E945.1	-	-	-	-	E950.1	158	167	9	
E939.4	1	9	8	9	E945.2	-	-	-	-	E950.2	45	51	6	
E939.5	-	2	2	2	E945.3	-	-	-	-	E950.3	988	1018	30	
E939.6	-	1	1	1	E945.4	-	-	-	-	E950.4	803	838	35	
E939.7	-	-	-	-	E945.5	-	-	-	-	E950.5	744	766	22	
E939.8	-	4	4	4	E945.6	-	-	-	-	E950.6	46	50	4	
E939.9	-	4	4	4	E945.7	-	-	-	-	E950.7	17	21	4	
E940.0	-	-	-	-	E945.8	-	12	12	12	E950.8	3	3	-	
E940.1	-	-	-	-	E946.0	2	83	81	83	E950.9	153	297	144	
E940.8	-	-	-	-	E946.1	1	1	-	1	E951.0	12	13	1	
E940.9	-	-	-	-	E946.2	-	-	-	-	E951.1	14	16	2	
E941.0	-	-	-	-	E946.3	-	1	1	1	E951.8	3	3	-	
E941.1	-	1	1	1	E946.4	-	1	1	1	E952.0	1833	1837	4	
E941.2	-	1	1	1	E946.5	-	2	2	2	E952.1	346	350	4	

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	UC	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS			UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
E952.8	17	19	2	19	E965.5	1	1	-	1	E983.1	2	2	-	2	
E952.9	5	5	-	5	E965.6	-	-	-	-	E983.8	10	10	-	10	
E953.0	3962	3986	24	3986	E965.7	1	1	-	1	E983.9	24	26	2	26	
E953.1	437	454	17	454	E965.8	8	8	-	8	E984	264	267	3	267	
E953.8	41	41	-	41	E965.9	7	7	-	7	E985.0	77	77	-	77	
E953.9	121	123	2	123	E966	4030	4224	194	4224	E985.1	23	23	-	23	
E954	383	390	7	390	E967.0	18	18	-	18	E985.2	16	16	-	16	
E955.0	3619	3642	23	3642	E967.1	4	5	1	5	E985.3	-	-	-	-	
E955.1	2238	2256	18	2256	E967.9	278	283	5	283	E985.4	248	255	7	255	
E955.2	996	1002	6	1002	E968.0	216	243	27	243	E985.5	-	-	-	-	
E955.3	3	3	-	3	E968.1	35	35	-	35	E986	15	19	4	19	
E955.4	11670	11728	58	11728	E968.2	443	462	19	462	E987.0	19	19	-	19	
E955.5	4	4	-	4	E968.3	10	11	1	11	E987.1	21	21	-	21	
E955.9	17	18	1	18	E968.4	20	31	11	31	E987.2	1	1	-	1	
E956	424	476	52	476	E968.8	927	1097	170	1097	E987.9	7	7	-	7	
E957.0	280	284	4	284	E968.9	1197	1377	180	1377	E988.0	25	25	-	25	
E957.1	303	305	2	305	E969	79	98	19	98	E988.1	78	79	1	79	
E957.2	18	20	2	20	E970	240	243	3	243	E988.2	6	6	-	6	
E957.9	118	119	1	119	E971	-	1	1	1	E988.3	10	13	3	13	
E958.0	222	224	2	224	E972	-	1	1	1	E988.4	4	5	1	5	
E958.1	180	188	8	188	E973	-	3	3	3	E988.5	4	4	-	4	
E958.2	1	1	-	1	E974	-	-	-	-	E988.6	-	-	-	-	
E958.3	3	6	3	6	E975	6	11	5	11	E988.7	1	1	-	1	
E958.4	20	21	1	21	E976	-	1	1	1	E988.8	121	136	15	136	
E958.5	91	92	1	92	E977	-	1	1	1	E988.9	283	326	43	326	
E958.6	2	2	-	2	E978	13	14	1	14	E989	16	24	8	24	
E958.7	1	1	-	1	E980.0	271	296	25	296	E990.0	-	-	-	-	
E958.8	55	74	19	74	E980.1	14	14	-	14	E990.9	-	-	-	-	
E958.9	31	62	31	62	E980.2	-	-	-	-	E991.0	-	-	-	-	
E959	26	30	4	30	E980.3	147	156	9	156	E991.1	-	-	-	-	
E960.0	78	89	11	89	E980.4	410	432	22	432	E991.2	-	-	-	-	
E960.1	6	13	7	13	E980.5	207	222	15	222	E991.3	-	-	-	-	
E961	-	1	1	1	E980.6	1	1	-	1	E991.9	-	-	-	-	
E962.0	33	43	10	43	E980.7	3	3	-	3	E992	-	-	-	-	
E962.1	6	9	3	9	E980.8	1	2	1	2	E993	-	-	-	-	
E962.2	15	19	4	19	E980.9	43	97	54	97	E994	-	-	-	-	
E962.9	1	1	-	1	E981.0	1	1	-	1	E995	-	-	-	-	
E963	1022	1120	98	1120	E981.1	2	2	-	2	E996	1	1	1	1	
E964	73	87	14	87	E981.8	2	2	-	2	E997.0	-	1	1	1	
E965.0	1397	1409	12	1409	E982.0	54	54	-	54	E997.1	-	-	-	-	
E965.1	1167	1178	11	1178	E982.1	35	35	-	35	E997.2	-	-	-	-	
E965.2	195	196	1	196	E982.8	8	9	1	9	E997.8	-	-	-	-	
E965.3	3	3	-	3	E982.9	-	-	-	-	E997.9	-	-	-	-	
E965.4	14984	15047	64	15048	E983.0	33	33	-	33	E998	-	1	1	1	



MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
E999	9	35	26	35	N844	...	4	4	4	N896	...	5	5	5
N800	...	111	111	111	N845	...	5	5	5	N897	...	83	83	83
N801	...	1064	1064	1064	N846	...	4	4	4	N900	...	381	381	381
N802	...	387	387	387	N847	...	30	30	30	N901	...	2782	2782	2782
N803	...	5305	5305	5305	N848	...	9	9	9	N902	...	453	453	453
N805	...	4428	4428	4428	N850	...	274	274	274	N903	...	85	85	85
N806	...	12	12	12	N851	...	3500	3500	3500	N904	...	751	751	751
N807	...	2661	2661	2661	N852	...	5064	5064	5064	N905.0	...	32	32	32
N808	...	1370	1370	1370	N853	...	2374	2374	2374	N905.1	...	128	128	128
N809	...	20	20	20	N854	...	26545	26545	26545	N905.2	...	28	28	28
N810	...	154	154	154	N860	...	1791	1791	1791	N905.3	...	394	394	394
N811	...	26	26	26	N861	...	4828	4828	4828	N905.4	...	56	56	56
N812	...	820	820	820	N862	...	9359	9359	9359	N905.5	...	31	31	31
N813	...	116	116	116	N863	...	832	832	832	N905.6	...	7	7	7
N814	...	116	116	116	N864	...	1954	1954	1954	N905.7	...	2	2	2
N815	...	11	11	11	N865	...	1093	1093	1093	N905.8	...	3	3	3
N816	...	6	6	6	N866	...	375	375	375	N905.9	...	5	5	5
N817	...	-	-	-	N867	...	184	184	184	N906.0	...	131	131	131
N818	...	204	204	204	N868	...	3673	3673	3673	N906.1	...	5	5	5
N819	...	47	47	47	N869	...	3932	3932	3932	N906.2	...	2	2	2
N820	...	12758	12758	12758	N870	...	19	19	19	N906.3	...	10	10	10
N821	...	2147	2147	2147	N871	...	47	47	47	N906.4	...	2	2	2
N822	...	101	101	101	N872	...	35	35	35	N906.5	...	-	-	-
N823	...	392	392	392	N873	...	21528	21528	21529	N906.6	...	-	-	-
N824	...	245	245	245	N874	...	2659	2659	2659	N906.7	...	3	3	3
N825	...	27	27	27	N875	...	10867	10867	10867	N906.8	...	2	2	2
N826	...	4	4	4	N876	...	1499	1499	1499	N906.9	...	16	16	16
N827	...	335	335	335	N877	...	89	89	89	N907.0	...	835	835	835
N828	...	207	207	207	N878	...	9	9	9	N907.1	...	2	2	2
N829	...	1527	1527	1527	N879	...	14920	14920	14920	N907.2	...	283	283	283
N830	...	7	7	7	N880	...	268	268	268	N907.3	...	2	2	2
N831	...	37	37	37	N881	...	253	253	253	N907.4	...	-	-	-
N832	...	4	4	4	N882	...	82	82	82	N907.5	...	-	-	-
N833	...	16	16	16	N883	...	7	7	7	N907.9	...	11	11	11
N834	...	-	-	-	N884	...	596	596	596	N908.0	...	31	31	31
N835	...	62	62	62	N885	...	1	1	1	N908.1	...	20	20	20
N836	...	4	4	4	N886	...	25	25	25	N908.2	...	8	8	8
N837	...	2	2	2	N887	...	46	46	46	N908.3	...	6	6	6
N838	...	-	-	-	N890	...	247	247	247	N908.4	...	4	4	4
N839	...	393	393	393	N891	...	263	263	263	N908.5	...	11	11	11
N840	...	3	3	3	N892	...	16	16	16	N908.6	...	39	39	39
N841	...	-	-	-	N893	...	2	2	2	N908.9	...	213	213	213
N842	...	-	-	-	N894	...	39	39	39	N909.0	...	21	21	21
N843	...	-	-	-	N895	...	1	1	1	N909.1	...	15	15	15

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	UC	RECORD COUNT BY CODE FIELD				ICD-9 CODE	UC	RECORD COUNT BY CODE FIELD			
	UC	TOTAL MENTION	RECORD AXIS SECOND- ARY	ENTITY AXIS			UC	TOTAL MENTION	RECORD AXIS SECOND- ARY	ENTITY AXIS			TOTAL MENTION	RECORD AXIS SECOND- ARY	ENTITY AXIS	
N909.2	...	14	14	14	N941.3	...	20	20	20	N950	...	3	3	3		
N909.3	...	871	871	871	N941.4	...	-	-	-	N951	...	1	1	1		
N909.4	...	55	55	55	N942.0	...	263	263	263	N952	...	1829	1829	1829		
N909.9	...	5	5	5	N942.1	...	3	3	3	N953	...	13	13	13		
N910	...	44	44	44	N942.2	...	13	13	13	N954	...	28	28	28		
N911	...	17	17	17	N942.3	...	43	43	43	N955	...	-	-	-		
N912	...	5	5	5	N942.4	...	41	41	41	N956	...	1	1	1		
N913	...	15	15	15	N943.0	...	41	41	41	N957	...	65	65	65		
N914	...	4	4	4	N943.1	...	1	1	1	N958.0	...	36	36	36		
N915	...	1	1	1	N943.2	...	11	11	11	N958.1	...	146	146	146		
N916	...	17	17	17	N943.3	...	17	17	17	N958.2	...	1	1	1		
N917	...	1	1	1	N943.4	...	-	-	-	N958.3	...	45	45	45		
N918	...	2	2	2	N944.0	...	18	18	18	N958.4	...	1449	1449	1449		
N919	...	138	138	138	N944.1	...	-	-	-	N958.5	...	29	29	29		
N920	...	175	175	175	N944.2	...	6	6	6	N958.6	...	-	-	-		
N921	...	24	24	24	N944.3	...	5	5	5	N958.7	...	88	88	88		
N922	...	141	141	141	N944.4	...	-	-	-	N958.8	...	3560	3560	3560		
N923	...	26	26	26	N945.0	...	64	64	64	N959.0	...	2711	2711	2711		
N924	...	420	420	420	N945.1	...	-	-	-	N959.1	...	3202	3202	3202		
N925	...	55	55	55	N945.2	...	11	11	11	N959.2	...	105	105	105		
N926	...	38	38	38	N945.3	...	33	33	33	N959.3	...	81	81	81		
N927	...	8	8	8	N945.4	...	1	1	1	N959.4	...	12	12	12		
N928	...	24	24	24	N947.0	...	3	3	3	N959.5	...	2	2	2		
N929	...	430	430	430	N947.1	...	30	30	30	N959.6	...	99	99	99		
N930	...	-	-	-	N947.2	...	2	2	2	N959.7	...	260	260	260		
N931	...	-	-	-	N947.3	...	3	3	3	N959.8	...	16893	16893	16893		
N932	...	1	1	1	N947.4	...	-	-	-	N959.9	...	6830	6830	6830		
N933	...	13189	13189	13189	N947.8	...	1	1	1	N960.0	...	2	2	2		
N934	...	582	582	582	N947.9	...	8	8	8	N960.1	...	5	5	5		
N935	...	29	29	29	N948.0	...	19	19	19	N960.2	...	-	-	-		
N936	...	7	7	7	N948.1	...	38	38	38	N960.3	...	-	-	-		
N937	...	3	3	3	N948.2	...	46	46	46	N960.4	...	3	3	3		
N938	...	17	17	17	N948.3	...	64	64	64	N960.5	...	-	-	-		
N939	...	4	4	4	N948.4	...	62	62	62	N960.6	...	4	4	4		
N940.0	...	-	-	-	N948.5	...	83	83	83	N960.7	...	54	54	54		
N940.1	...	-	-	-	N948.6	...	63	63	63	N960.8	...	10	10	10		
N940.2	...	-	-	-	N948.7	...	73	73	73	N960.9	...	3	3	3		
N940.3	...	-	-	-	N948.8	...	87	87	87	N961.0	...	2	2	2		
N940.4	...	-	-	-	N948.9	...	536	536	536	N961.1	...	-	-	-		
N940.5	...	-	-	-	N949.0	...	1952	1952	1952	N961.2	...	-	-	-		
N940.9	...	-	-	-	N949.1	...	3	3	3	N961.3	...	-	-	-		
N941.0	...	42	42	42	N949.2	...	53	53	53	N961.4	...	5	5	5		
N941.1	...	1	1	1	N949.3	...	183	183	183	N961.5	...	2	2	2		
N941.2	...	5	5	5	N949.4	...	19	19	19	N961.6	...	1	1	1		

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OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD			ICD-9 CODE	RECORD COUNT BY CODE FIELD			ICD-9 CODE	RECORD COUNT BY CODE FIELD					
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY		ENTITY AXIS	UC	RECORD TOTAL MENTION		AXIS SECOND- ARY	ENTITY AXIS	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
N961.7	...	1	1	1	N967.0	...	364	364	364	N972.7	...	-	-	-
N961.8	...	8	8	8	N967.1	...	15	15	15	N972.8	...	2	2	2
N961.9	...	2	2	2	N967.2	...	-	-	-	N972.9	...	3	3	3
N962.0	...	5	5	5	N967.3	...	-	-	-	N973.0	...	3	3	3
N962.1	...	-	-	-	N967.4	...	1	1	1	N973.1	...	1	1	1
N962.2	...	-	-	-	N967.5	...	12	12	12	N973.2	...	-	-	-
N962.3	...	75	75	75	N967.6	...	3	3	3	N973.3	...	1	1	1
N962.4	...	2	2	2	N967.8	...	34	34	34	N973.4	...	1	1	1
N962.5	...	1	1	1	N967.9	...	35	35	35	N973.5	...	1	1	1
N962.6	...	-	-	-	N968.0	...	67	67	67	N973.6	...	-	-	-
N962.7	...	1	1	1	N968.1	...	1	1	1	N973.8	...	1	1	1
N962.8	...	-	-	-	N968.2	...	44	44	44	N973.9	...	-	-	-
N962.9	...	-	-	-	N968.3	...	25	25	25	N974.0	...	-	-	-
N963.0	...	173	173	173	N968.4	...	1	1	1	N974.1	...	279	279	279
N963.1	...	49	49	49	N968.5	...	2475	2475	2475	N974.2	...	-	-	-
N963.2	...	1	1	1	N968.6	...	-	-	-	N974.3	...	4	4	4
N963.3	...	2	2	2	N968.7	...	3	3	3	N974.4	...	1	1	1
N963.4	...	-	-	-	N968.9	...	33	33	33	N974.5	...	2	2	2
N963.5	...	3	3	3	N969.0	...	1614	1614	1614	N974.6	...	12	12	12
N963.8	...	-	-	-	N969.1	...	155	155	155	N974.7	...	10	10	10
N963.9	...	-	-	-	N969.2	...	17	17	17	N975.0	...	-	-	-
N964.0	...	15	15	15	N969.3	...	10	10	10	N975.1	...	1	1	1
N964.1	...	1	1	1	N969.4	...	688	688	688	N975.2	...	13	13	13
N964.2	...	54	54	54	N969.5	...	147	147	147	N975.3	...	1	1	1
N964.3	...	1	1	1	N969.6	...	34	34	34	N975.4	...	10	10	10
N964.4	...	2	2	2	N969.7	...	141	141	141	N975.5	...	2	2	2
N964.5	...	4	4	4	N969.8	...	7	7	7	N975.6	...	17	17	17
N964.6	...	-	-	-	N969.9	...	7	7	7	N975.7	...	8	8	8
N964.7	...	2	2	2	N970.0	...	2	2	2	N975.8	...	17	17	17
N964.8	...	-	-	-	N970.1	...	-	-	-	N976.0	...	8	8	8
N964.9	...	-	-	-	N970.8	...	-	-	-	N976.1	...	1	1	1
N965.0	...	2392	2392	2392	N970.9	...	-	-	-	N976.2	...	3	3	3
N965.1	...	267	267	267	N971.0	...	-	-	-	N976.3	...	-	-	-
N965.4	...	320	320	320	N971.1	...	22	22	22	N976.4	...	7	7	7
N965.5	...	2	2	2	N971.2	...	15	15	15	N976.5	...	-	-	-
N965.6	...	18	18	18	N971.3	...	4	4	4	N976.6	...	1	1	1
N965.7	...	500	500	500	N971.9	...	-	-	-	N976.7	...	1	1	1
N965.8	...	316	316	316	N972.0	...	175	175	175	N976.8	...	-	-	-
N965.9	...	13	13	13	N972.1	...	692	692	692	N976.9	...	-	-	-
N966.0	...	-	-	-	N972.2	...	-	-	-	N977.0	...	22	22	22
N966.1	...	77	77	77	N972.3	...	-	-	-	N977.1	...	-	-	-
N966.2	...	1	1	1	N972.4	...	10	10	10	N977.2	...	2	2	2
N966.3	...	66	66	66	N972.5	...	3	3	3	N977.3	...	2	2	2
N966.4	...	8	8	8	N972.6	...	5	5	5	N977.4	...	2	2	2

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
N977.8	...	171	171	171	N985.3	...	1	1	1	N992.2	...	1	1	1
N977.9	...	4434	4434	4434	N985.4	...	-	-	-	N992.3	...	-	-	-
N978.0	...	-	-	-	N985.5	...	-	-	-	N992.4	...	-	-	-
N978.1	...	-	-	-	N985.6	...	-	-	-	N992.5	...	42	42	42
N978.2	...	-	-	-	N985.8	...	49	49	49	N992.6	...	-	-	-
N978.3	...	-	-	-	N985.9	...	2	2	2	N992.7	...	-	-	-
N978.4	...	-	-	-	N986	...	4117	4117	4117	N992.8	...	1	1	1
N978.5	...	-	-	-	N987.0	...	57	57	57	N992.9	...	80	80	80
N978.6	...	-	-	-	N987.1	...	56	56	56	N993.0	...	-	-	-
N978.8	...	-	-	-	N987.2	...	5	5	5	N993.1	...	-	-	-
N978.9	...	-	-	-	N987.3	...	1	1	1	N993.2	...	13	13	13
N979.0	...	-	-	-	N987.4	...	35	35	35	N993.3	...	4	4	4
N979.1	...	-	-	-	N987.5	...	-	-	-	N993.4	...	-	-	-
N979.2	...	-	-	-	N987.6	...	5	5	5	N993.8	...	1	1	1
N979.3	...	-	-	-	N987.7	...	1	1	1	N993.9	...	-	-	-
N979.4	...	-	-	-	N987.8	...	3105	3105	3105	N994.0	...	58	58	58
N979.5	...	-	-	-	N987.9	...	363	363	363	N994.1	...	6255	6255	6255
N979.6	...	-	-	-	N988.0	...	1	1	1	N994.2	...	113	113	113
N979.7	...	-	-	-	N988.1	...	1	1	1	N994.3	...	7	7	7
N979.9	...	10	10	10	N988.2	...	-	-	-	N994.4	...	1	1	1
N980.0	...	549	549	549	N988.8	...	2	2	2	N994.5	...	47	47	47
N980.1	...	57	57	57	N988.9	...	-	-	-	N994.6	...	1	1	1
N980.2	...	43	43	43	N989.0	...	61	61	61	N994.7	...	7596	7596	7596
N980.3	...	-	-	-	N989.1	...	9	9	9	N994.8	...	687	687	687
N980.8	...	-	-	-	N989.2	...	8	8	8	N994.9	...	258	258	258
N980.9	...	519	519	519	N989.3	...	28	28	28	N995.0	...	143	143	143
N981	...	27	27	27	N989.4	...	26	26	26	N995.1	...	27	27	27
N982.0	...	12	12	12	N989.5	...	88	88	88	N995.2	...	246	246	246
N982.1	...	-	-	-	N989.6	...	3	3	3	N995.3	...	51	51	51
N982.2	...	-	-	-	N989.7	...	-	-	-	N995.4	...	3	3	3
N982.3	...	26	26	26	N989.8	...	55	55	55	N995.5	...	223	223	223
N982.4	...	2	2	2	N989.9	...	79	79	79	N995.8	...	11	11	11
N982.8	...	68	68	68	N990	...	32	32	32	N996.0	...	313	313	313
N983.0	...	2	2	2	N991.0	...	-	-	-	N996.1	...	54	54	54
N983.1	...	16	16	16	N991.1	...	-	-	-	N996.2	...	38	38	38
N983.2	...	16	16	16	N991.2	...	2	2	2	N996.3	...	8	8	8
N983.9	...	20	20	20	N991.3	...	9	9	9	N996.4	...	15	15	15
N984.0	...	-	-	-	N991.4	...	-	-	-	N996.5	...	148	148	148
N984.1	...	-	-	-	N991.5	...	-	-	-	N996.6	...	1450	1450	1450
N984.8	...	1	1	1	N991.6	...	1015	1015	1015	N996.7	...	6230	6230	6230
N984.9	...	10	10	10	N991.8	...	2	2	2	N996.8	...	725	725	725
N985.0	...	3	3	3	N991.9	...	273	273	273	N996.9	...	2	2	2
N985.1	...	4	4	4	N992.0	...	193	193	193	N997.0	...	575	575	575
N985.2	...	-	-	-	N992.1	...	1	1	1	N997.1	...	3077	3077	3077

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE  
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1991

ICD-9 CODE	RECORD COUNT BY CODE FIELD			ICD-9 CODE	RECORD COUNT BY CODE FIELD			ICD-9 CODE	RECORD COUNT BY CODE FIELD		
	UC TOTAL MENTION	RECORD AXIS SECOND- ARY	ENTITY AXIS		UC TOTAL MENTION	RECORD AXIS SECOND- ARY	ENTITY AXIS		UC TOTAL MENTION	RECORD AXIS SECOND- ARY	ENTITY AXIS
N997.2	...	517	517	517							
N997.3	...	3850	3850	3850							
N997.4	...	907	907	907							
N997.5	...	578	578	578							
N997.6	...	167	167	167							
N997.9	...	347	347	347							
N998.0	...	393	393	393							
N998.1	...	885	885	885							
N998.2	...	368	368	368							
N998.3	...	207	207	207							
N998.4	...	8	8	8							
N998.5	...	1725	1725	1725							
N998.6	...	83	83	83							
N998.7	...	15	15	15							
N998.8	...	535	535	535							
N998.9	...	446	446	446							
N999.0	...	-	-	-							
N999.1	...	5	5	5							
N999.2	...	7	7	7							
N999.3	...	31	31	31							
N999.4	...	-	-	-							
N999.5	...	4	4	4							
N999.6	...	7	7	7							
N999.7	...	4	4	4							
N999.8	...	491	491	491							
N999.9	...	429	429	429							

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION)

CAUSE OF DEATH	AGE												N.S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
004, 006.....	23	3	3	-	-	2	-	2	5	3	4	1	-
007-009.....	846	157	22	6	2	15	26	26	44	137	178	233	-
010-018.....	4,059	4	5	6	40	336	568	417	547	803	879	453	1
010-012.....	3,185	1	4	3	23	254	433	333	440	616	703	374	1
013-018.....	908	3	1	4	19	83	138	87	115	194	182	82	-
033.....	2	1	-	-	-	1	-	-	-	-	-	-	-
034-035.....	18	-	-	-	1	1	1	-	3	2	6	4	-
036.....	214	45	42	24	30	13	13	8	10	12	5	12	-
038.....	103,978	752	319	263	642	1,864	3,872	5,226	11,076	22,712	31,677	25,559	16
045.....	1	-	-	-	-	-	-	1	-	-	-	-	-
055.....	31	6	4	10	2	6	1	1	-	-	1	-	-
070.....	2,863	9	6	7	38	200	488	411	512	649	443	100	-
090-097.....	342	43	2	2	4	21	28	19	30	51	86	56	-
REM. 001-1391/...	45,688	546	324	271	900	11,042	14,758	6,456	3,607	3,302	2,781	1,690	11
140-208.....	579,069	93	562	1,169	1,914	5,818	17,843	41,741	100,022	175,444	162,104	72,332	27
140-149.....	9,955	1	-	6	20	72	340	1,081	2,374	2,995	2,160	905	1

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
150-159.....	137,390	9	30	20	127	696	3,019	8,064	21,469	40,163	41,959	21,827	7
160-165.....	162,661	6	5	10	49	336	2,850	12,592	36,440	59,937	40,819	9,608	9
174-175.....	52,904	-	1	-	14	670	3,472	6,155	9,606	13,232	12,352	7,400	2
179-187.....	73,765	-	2	4	105	607	1,609	2,994	7,839	20,178	26,424	14,001	2
188-189.....	26,528	3	15	39	29	87	445	1,375	3,750	7,612	8,690	4,482	1
170-173, 190-199.	184,240	49	330	584	827	2,469	6,970	15,127	33,918	56,136	48,168	19,651	11
204-208.....	23,469	26	184	456	530	674	924	1,334	2,868	5,889	6,800	3,784	-
200-203.....	36,939	5	19	89	351	947	1,676	2,561	5,353	10,522	11,089	4,325	2
210-239.....	12,785	89	92	96	140	281	436	588	1,290	2,881	4,128	2,763	1
250.....	166,151	4	12	53	223	1,094	3,320	8,042	22,355	48,353	54,060	28,628	7
260-269.....	30,086	56	28	32	65	366	708	1,078	2,409	5,665	9,643	10,030	6
280-285.....	42,945	76	103	147	264	907	1,372	1,601	3,316	7,548	13,145	14,465	1
320-322.....	2,485	247	72	56	54	199	284	282	341	458	338	154	-
390-448.....	1,313,331	3,302	1,570	1,622	3,715	11,456	28,989	55,437	132,781	291,287	418,663	364,348	161
390-398, 402, 404-429.....	1,129,848	2,909	1,430	1,383	3,247	10,070	25,453	49,080	118,169	254,609	356,512	306,843	143
390-398.....	10,464	17	7	9	37	150	328	572	1,371	2,787	3,467	1,719	-

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
402.....	38,528	2	2	4	26	231	1,143	2,493	4,923	8,690	11,647	9,359	8
404.....	3,439	-	-	-	6	34	74	142	311	747	1,208	916	1
410-414.....	599,398	82	26	32	196	1,485	8,036	22,832	61,842	139,996	198,145	166,662	64
410.....	267,785	51	13	19	124	814	4,509	13,227	33,501	69,130	88,273	58,098	26
411.....	7,264	5	2	2	12	59	259	578	1,057	1,663	2,002	1,616	9
413.....	5,970	-	-	-	-	6	43	165	469	1,351	2,141	1,794	1
412, 414.....	438,413	27	13	14	81	910	5,005	14,300	41,191	98,283	145,756	132,797	36
424.....	30,058	53	30	22	66	233	512	696	1,914	5,644	10,995	9,893	-
415-423, 425-429.	828,006	2,820	1,406	1,354	3,079	8,889	19,769	34,689	82,903	181,102	259,457	232,430	108
401, 403.....	118,087	16	10	11	69	371	1,953	5,336	13,693	29,868	39,517	27,234	9
430-438.....	255,310	436	168	276	469	1,435	3,840	7,322	17,467	48,025	90,309	85,542	21
431-432.....	29,553	166	56	141	220	588	1,666	2,621	4,112	6,994	8,574	4,411	4
434.0, 434.9.....	27,866	90	32	46	69	170	385	768	1,954	5,194	9,704	9,453	1
434.1.....	2,080	1	-	3	6	20	32	66	166	475	751	560	-
430, 433, 435-438	203,491	190	84	91	202	743	2,014	4,262	11,900	36,745	73,680	73,564	16
440.....	85,707	3	1	-	8	70	427	1,462	4,998	15,079	28,688	34,964	7

SEE FOOTNOTES AT END OF TABLE.



MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N.S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
441-448.....	47,816	44	9	21	96	320	648	1,307	4,432	12,746	16,776	11,416	1
466.....	2,203	105	27	7	18	19	28	55	205	466	643	630	-
480-487.....	203,455	1,161	495	436	776	2,364	4,398	6,097	14,463	35,820	65,917	71,502	26
480-486.....	201,878	1,142	475	418	764	2,345	4,365	6,059	14,371	35,604	65,494	70,815	26
487.....	1,577	19	20	18	12	19	33	38	92	216	423	687	-
490-496.....	207,659	102	97	175	317	517	1,401	5,316	24,075	65,023	76,578	34,032	26
490-491.....	8,443	66	37	25	45	57	121	293	870	2,103	2,713	2,113	-
492.....	33,629	9	1	3	5	34	204	979	4,368	11,531	12,202	4,289	4
493.....	10,889	9	46	131	230	360	589	912	1,504	2,628	2,889	1,591	-
494-496.....	155,789	18	15	22	46	79	513	3,193	17,492	49,095	59,100	26,194	22
531-533.....	16,167	23	10	7	19	102	314	624	1,591	3,599	5,534	4,342	2
540-543.....	773	3	5	12	16	18	42	45	93	178	222	139	-
550-553, 560.....	19,196	199	52	29	54	133	344	725	1,659	3,863	6,149	5,987	2
571.....	39,162	33	17	15	95	1,253	4,967	6,205	9,080	10,154	5,943	1,369	31
574-575.....	7,274	9	2	-	16	56	134	232	570	1,452	2,478	2,325	-
580-589.....	119,542	1,025	119	167	394	1,658	3,629	5,158	12,063	28,042	38,639	28,641	7

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
580-581.....	1,170	12	10	10	10	24	53	45	112	275	382	237	-
582-583, 587...	5,010	13	5	11	27	107	170	178	398	1,047	1,599	1,455	-
584-586, 588-589.....	114,716	1,003	109	151	365	1,572	3,475	4,990	11,673	26,989	37,109	27,273	7
590.....	2,750	14	6	2	14	46	75	117	219	464	880	912	1
600.....	1,966	-	-	-	-	-	1	9	64	356	791	745	-
630-676.....	371	...	...	3	114	176	73	5	...	...	...	...	-
630-638.....	61	...	...	1	22	21	16	1	...	...	...	...	-
640-676.....	317	...	...	2	94	158	59	4	...	...	...	...	-
740-759.....	17,032	8,897	1,085	621	621	696	718	725	880	1,110	1,060	615	4
760-779.....	22,123	21,769	250	55	20	9	8	2	6	2	-	2	-
767-769.....	4,999	4,920	45	18	9	2	2	-	2	1	-	-	-
760-766, 770-779.....	21,591	21,299	217	42	11	7	6	2	4	1	-	2	-
780-799.....	394,845	9,477	1,755	1,506	3,471	9,050	14,859	19,753	43,025	89,006	113,911	88,903	129
RESIDUAL.....	599,582	4,042	2,005	2,156	4,854	12,596	24,069	31,211	61,038	121,052	177,283	159,195	81
E800-E949.....	148,737	1,480	3,060	4,042	15,857	16,000	13,870	10,094	12,702	21,066	27,635	22,804	127

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N.S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
E810-E825.....	44,297	178	908	2,019	11,707	9,137	6,044	3,699	3,099	3,347	3,124	992	43
E800-E807, E826-E949.....	104,732	1,302	2,154	2,032	4,223	6,918	7,875	6,420	9,628	17,742	24,535	21,819	84
E950-E959.....	30,992	...	...	267	4,768	6,550	5,793	4,003	3,263	3,112	2,447	769	20
E960-E978.....	26,707	395	432	523	8,175	7,823	4,604	2,135	1,177	761	458	142	82
E980-E999.....	2,682	59	44	51	332	650	708	287	193	152	117	55	34
N800-N999.....	195,989	1,856	3,444	4,778	28,696	30,420	24,253	15,667	15,838	22,265	27,227	21,297	248
N800-N848.....	31,187	94	297	531	2,798	2,526	1,949	1,279	1,493	3,016	7,063	10,134	7
N850-N854.....	33,673	412	806	1,321	7,405	6,121	4,448	2,819	2,407	2,832	3,173	1,897	32
N860-N869.....	21,199	75	273	592	5,041	4,605	3,207	1,962	1,688	1,702	1,494	547	13
N870-N897.....	42,681	25	140	792	11,221	10,728	7,042	4,159	3,009	2,809	2,103	587	66
N900-N904.....	4,290	4	29	72	1,064	1,037	661	407	293	317	274	131	1
N905-N909.....	2,993	8	35	60	109	209	275	242	327	508	591	627	2
N910-N929.....	1,394	18	39	42	178	200	177	137	136	136	169	159	3
N930-N939.....	13,765	237	245	166	290	428	658	711	1,201	2,435	3,866	3,527	1
N940-N949.....	3,485	65	294	160	341	512	443	328	320	387	393	236	6
N950-N957.....	1,930	6	26	69	341	363	266	171	179	199	206	101	3

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N.S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
N958-N959.....	31,989	163	512	983	6,459	6,095	4,399	2,855	2,471	2,693	3,142	2,168	49
N960-N995.....	35,454	759	1,503	1,293	4,243	7,595	7,174	3,663	2,816	2,629	2,373	1,303	103
N996-N999.....	23,347	369	211	201	238	461	874	1,370	3,202	6,531	6,817	3,073	-
*O42-*O44 <u>2</u> /.....	32,848	106	165	116	672	10,338	13,687	5,330	1,780	519	110	15	10

1/ INCLUDES \*O42-\*O44 (HIV INFECTION) SHOWN SEPARATELY BELOW.

2/ INCLUDED IN REM. 001-139.

- QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
UNDERLYING CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST  
SUPPLEMENTED BY HIV INFECTION)

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
ALL CAUSES.....	2,169,518	36,766	7,214	8,479	36,452	59,628	88,122	120,676	248,078	478,636	607,490	477,401	576
004, 006.....	15	3	3	-	-	2	-	-	1	1	4	1	-
007-009.....	469	125	19	4	1	4	11	15	23	61	84	122	-
010-018.....	1,713	2	2	5	22	111	205	174	254	329	411	198	-
010-012.....	1,310	1	1	2	11	77	142	138	202	255	320	161	-
013-018.....	403	1	1	3	11	34	63	36	52	74	91	37	-
033.....	-	-	-	-	-	-	-	-	-	-	-	-	-
034-035.....	5	-	-	-	-	1	-	-	1	1	1	1	-
036.....	198	43	41	24	29	12	11	6	8	11	5	8	-
038.....	19,691	265	91	37	82	289	605	763	1,668	3,787	6,308	5,793	3
045.....	1	-	-	-	-	-	-	1	-	-	-	-	-
055.....	27	5	3	9	2	6	1	1	-	-	-	-	-
070.....	1,840	6	3	4	32	109	293	255	340	439	293	66	-
090-097.....	93	25	1	1	1	5	3	5	7	13	16	16	-
REM. 001-139 1/..	36,346	394	252	187	741	10,078	13,123	5,409	2,488	1,775	1,226	662	11
140-208.....	514,657	77	526	1,106	1,814	5,319	16,909	39,922	94,195	159,313	139,401	56,054	21

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
UNDERLYING CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST  
SUPPLEMENTED BY HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N.S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
140-149 .....	8,278	1	-	6	19	66	318	979	2,047	2,446	1,725	670	1
150-159 .....	121,781	7	27	19	122	668	2,922	7,729	20,209	36,423	36,291	17,358	6
160-165 .....	149,119	4	4	8	44	315	2,761	12,074	34,288	54,834	36,397	8,382	8
174-175 .....	43,849	-	1	-	13	649	3,363	5,851	8,800	11,236	9,389	4,546	1
179-187 .....	58,944	-	1	4	96	581	1,542	2,811	7,117	16,999	20,226	9,566	1
188-189 .....	21,180	2	14	38	27	82	422	1,288	3,369	6,255	6,499	3,184	-
170-173, 190-199 .....	61,916	41	290	539	690	1,545	3,307	5,748	11,246	17,384	14,710	6,414	2
204-208 .....	18,945	20	176	414	485	608	847	1,217	2,458	4,872	5,269	2,579	-
200-203 .....	30,645	2	13	78	318	805	1,427	2,225	4,661	8,864	8,895	3,355	2
210-239 .....	6,994	60	76	73	103	195	291	386	787	1,589	2,097	1,337	-
250 .....	48,951	1	8	34	122	658	1,553	3,034	7,011	13,834	14,675	8,019	2
260-269 .....	2,991	22	3	1	8	19	24	45	104	317	923	1,524	1
280-285 .....	4,121	29	47	56	94	197	174	166	253	579	1,195	1,331	-
320-322 .....	887	128	39	35	29	54	82	62	96	147	140	75	-
390-448 .....	916,342	881	397	384	1,286	4,518	15,579	36,474	88,833	196,338	295,237	276,291	124

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
UNDERLYING CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST  
SUPPLEMENTED BY HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N.S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
390-398, 402, 404-429.....	720,862	704	332	281	990	3,425	12,397	30,374	74,985	159,401	228,882	208,984	107
390-398.....	5,951	6	4	4	23	104	221	374	803	1,564	1,923	925	-
402.....	21,365	1	1	4	18	147	664	1,441	2,793	4,558	6,236	5,495	7
404.....	2,445	-	-	-	3	21	46	94	188	492	835	766	-
410-414.....	485,438	20	14	15	126	1,097	6,715	19,423	50,521	110,730	158,499	138,223	55
410.....	235,255	8	7	5	73	615	3,842	11,584	29,038	59,648	77,657	52,754	24
411.....	3,300	1	1	-	6	26	125	284	528	803	829	690	7
413.....	1,064	-	-	-	-	1	12	35	73	217	366	359	1
412, 414...	245,819	11	6	10	47	455	2,736	7,520	20,882	50,062	79,647	84,420	23
424.....	13,727	22	10	9	40	126	247	353	862	2,323	4,905	4,830	-
415-423, 425-429.....	191,936	655	303	249	780	1,930	4,504	8,689	19,818	39,734	56,484	58,745	45
401, 403.....	9,524	2	3	2	13	56	193	412	880	2,070	3,145	2,746	2
430-438.....	143,481	159	57	86	219	813	2,530	4,720	9,744	25,523	49,445	50,171	14
431-432.....	20,681	41	13	40	78	272	988	1,721	2,761	4,988	6,376	3,400	3
434.0, 434.9.	16,699	21	11	7	25	35	143	335	1,013	2,872	5,880	6,356	1

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
UNDERLYING CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST  
SUPPLEMENTED BY HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N.S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
434.1.....	633	-	-	2	3	4	10	17	37	155	211	194	-
430, 433, 435-438.....	105,468	97	33	37	113	502	1,389	2,647	5,933	17,508	36,978	40,221	10
440.....	17,420	1	-	-	2	8	41	157	642	2,126	5,219	9,223	1
441-448.....	25,055	15	5	15	62	216	418	811	2,582	7,218	8,546	5,167	-
466.....	633	68	18	5	4	9	8	19	46	81	159	216	-
480-487.....	77,860	607	207	135	256	759	1,444	1,738	3,738	10,223	24,595	34,144	14
480-486.....	76,723	591	192	124	246	744	1,423	1,712	3,684	10,086	24,304	33,603	14
487.....	1,137	16	15	11	10	15	21	26	54	137	291	541	-
490-496.....	90,650	59	51	122	209	331	687	2,337	10,432	28,561	33,728	14,123	10
490-491.....	3,727	45	19	12	14	17	39	110	399	959	1,271	842	-
492.....	16,436	2	-	-	1	8	62	457	2,156	5,814	6,014	1,921	1
493.....	5,106	5	30	106	183	280	386	510	737	1,155	1,161	553	-
494-496.....	65,381	7	2	4	11	26	200	1,260	7,140	20,633	25,282	10,807	9
531-533.....	6,117	6	5	2	6	39	151	270	587	1,230	2,064	1,757	-
540-543.....	389	2	5	10	15	11	27	31	49	85	93	61	-
550-553, 560.....	6,106	88	31	10	20	48	90	163	340	972	2,045	2,299	-

SEE FOOTNOTES AT END OF TABLE.



MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
UNDERLYING CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST  
SUPPLEMENTED BY HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
571.....	25,429	15	4	6	38	858	3,591	4,450	6,047	6,222	3,450	730	18
574-575.....	2,881	2	1	-	13	21	46	75	206	548	984	985	-
580-589.....	21,360	189	16	25	62	223	506	679	1,695	4,398	7,189	6,376	2
580-581.....	320	5	5	2	3	7	15	13	24	54	99	93	-
582-583, 587...	1,512	6	2	5	17	19	61	65	120	310	491	416	-
584-586, 588-589.....	19,528	178	9	18	42	197	430	601	1,551	4,034	6,599	5,867	2
590.....	1,219	8	5	1	9	17	33	45	70	167	415	449	-
600.....	428	-	-	-	-	-	-	3	10	60	167	188	-
630-676.....	323	...	...	3	97	150	68	5	...	...	...	...	-
630-638.....	54	...	...	1	20	18	14	1	...	...	...	...	-
640-676.....	269	...	...	2	77	132	54	4	...	...	...	...	-
740-759.....	12,599	7,685	871	487	449	467	452	400	408	550	534	292	4
760-779.....	16,781	16,591	140	27	10	3	5	2	2	-	-	1	-
767-769.....	3,417	3,372	28	10	5	1	1	-	-	-	-	-	-
760-766, 770-779.....	13,364	13,219	112	17	5	2	4	2	2	-	-	1	-

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
UNDERLYING CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST  
SUPPLEMENTED BY HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N.S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
780-799.....	24,342	6,268	336	142	659	1,617	1,973	1,407	1,613	2,618	3,490	4,136	83
RESIDUAL.....	177,058	1,640	869	1,038	1,714	3,751	7,371	8,778	15,532	32,166	53,258	50,912	29
E800-E949.....	89,347	961	2,665	3,660	15,278	14,774	11,752	7,137	6,556	8,137	10,142	8,165	120
E810-E825.....	43,536	174	902	2,011	11,664	9,093	5,989	3,632	2,984	3,193	2,932	919	43
E800-E807, E826-E949.....	45,811	787	1,763	1,649	3,614	5,681	5,763	3,505	3,572	4,944	7,210	7,246	77
E950-E959.....	30,810	...	...	266	4,751	6,514	5,767	3,983	3,241	3,084	2,426	758	20
E960-E978.....	26,513	380	428	519	8,159	7,801	4,571	2,112	1,156	738	438	130	81
E980-E999.....	2,517	48	41	50	323	635	672	275	176	122	101	41	33
*042-*044 <u>2</u> /.....	29,555	91	155	104	613	9,488	12,259	4,728	1,558	447	92	10	10

1/ INCLUDES \*042-\*044 (HIV INFECTION) SHOWN SEPARATELY BELOW.

2/ INCLUDED IN REM. 001-139.

- QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE  
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION)

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
004, 006.....	8	-	-	-	-	-	-	2	4	2	-	-	-
007-009.....	377	32	3	2	1	11	15	11	21	76	94	111	-
010-018.....	2,346	2	3	1	18	225	363	243	293	474	468	255	1
010-012.....	1,877	-	3	1	12	177	291	195	238	361	384	214	1
013-018.....	507	2	-	1	8	49	75	51	63	121	92	45	-
033.....	2	1	-	-	-	1	-	-	-	-	-	-	-
034-035.....	13	-	-	-	1	-	1	-	2	1	5	3	-
036.....	16	2	1	-	1	1	2	2	2	1	-	4	-
038.....	84,288	487	228	226	560	1,575	3,267	4,463	9,409	18,925	25,369	19,766	13
045.....	-	-	-	-	-	-	-	-	-	-	-	-	-
055.....	4	1	1	1	-	-	-	-	-	-	1	-	-
070.....	1,023	3	3	3	6	91	195	156	172	210	150	34	-
090-097.....	249	18	1	1	3	16	25	14	23	38	70	40	-
REM. 001 - 139 <u>1</u> /...	9,353	152	72	84	160	965	1,638	1,049	1,120	1,527	1,557	1,029	-
140-208.....	64,416	16	36	63	101	499	934	1,820	5,827	16,131	22,704	16,279	6
140-149.....	1,678	-	-	-	2	6	22	102	327	549	435	235	-

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE  
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
150-159.....	15,611	2	3	1	5	28	97	336	1,260	3,740	5,669	4,469	1
160-165.....	13,543	2	1	2	5	21	89	519	2,152	5,103	4,422	1,226	1
174-175.....	9,055	-	-	-	1	21	109	304	806	1,996	2,963	2,854	1
179-187.....	14,821	-	1	-	9	26	67	183	722	3,179	6,198	4,435	1
188-189.....	5,348	1	1	1	2	5	23	87	381	1,357	2,191	1,298	1
170-173, 190-199..	122,325	8	40	45	137	924	3,663	9,379	22,672	38,753	33,458	13,237	9
204-208.....	4,527	6	8	42	45	66	77	117	411	1,017	1,532	1,206	-
200-203.....	6,296	3	6	11	33	142	249	336	692	1,658	2,195	971	-
210-239.....	5,791	29	16	23	37	86	145	202	503	1,292	2,031	1,426	1
250.....	117,200	3	4	19	101	436	1,767	5,008	15,344	34,519	39,385	20,609	5
260-269.....	27,117	34	25	31	57	347	685	1,033	2,307	5,351	8,728	8,514	5
280-285.....	38,824	47	56	91	170	710	1,198	1,435	3,063	6,969	11,950	13,134	1
320-322.....	1,598	119	33	21	25	145	202	220	245	311	198	79	-
390-448.....	397,159	2,421	1,173	1,238	2,430	6,945	13,421	18,975	43,971	94,992	123,469	88,087	37
390-398, 402, 404-429.....	409,025	2,205	1,098	1,102	2,257	6,651	13,066	18,711	43,193	95,211	127,632	97,863	36
390-398.....	4,514	11	3	5	14	46	107	198	568	1,223	1,544	795	-

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE  
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
402.....	17,397	1	1	-	9	84	483	1,061	2,140	4,171	5,486	3,960	1
404.....	1,401	-	-	-	3	13	33	59	141	341	521	289	1
410-414.....	113,962	62	12	17	70	388	1,322	3,409	11,321	29,266	39,647	28,439	9
410.....	32,533	43	6	14	51	199	667	1,644	4,464	9,483	10,616	5,344	2
411.....	3,964	4	1	2	6	33	134	294	529	860	1,173	926	2
413.....	4,906	-	-	-	-	5	31	130	396	1,134	1,775	1,435	-
412, 414.....	192,596	16	7	4	34	455	2,270	6,780	20,309	48,221	66,110	48,377	13
424.....	16,332	31	20	13	26	107	265	343	1,052	3,321	6,091	5,063	-
415-423, 425-429.....	636,117	2,165	1,103	1,105	2,299	6,965	15,275	26,005	63,096	141,372	202,980	173,689	63
401, 403.....	108,646	14	7	9	56	315	1,761	4,928	12,816	27,820	36,398	24,515	7
430-438.....	111,835	277	111	190	251	622	1,310	2,602	7,724	22,502	40,865	35,374	7
431-432.....	8,888	125	43	101	142	316	678	902	1,357	2,009	2,201	1,013	1
434.0, 434.9.....	11,169	69	21	39	45	135	242	433	942	2,322	3,824	3,097	-
434.1.....	1,447	1	-	1	3	16	22	49	129	320	540	366	-
430, 433, 435-438.....	98,041	93	51	54	89	241	627	1,618	5,969	19,239	36,706	33,348	6

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE  
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
440.....	68,289	2	1	-	6	62	386	1,305	4,356	12,953	23,469	25,743	6
441-448.....	23,205	29	4	6	35	105	234	516	1,904	5,660	8,373	6,338	1
466.....	1,573	37	9	2	14	10	20	36	159	386	486	414	-
480-487.....	125,597	554	288	301	520	1,606	2,954	4,360	10,725	25,597	41,322	37,358	12
480-486.....	125,157	551	283	294	518	1,602	2,942	4,348	10,687	25,518	41,190	37,212	12
487.....	440	3	5	7	2	4	12	12	38	79	132	146	-
490-496.....	117,010	43	46	53	108	186	714	2,979	13,643	36,462	42,850	19,910	16
490-491.....	4,717	21	18	13	31	40	82	183	471	1,144	1,443	1,271	-
492.....	17,197	7	1	3	4	26	142	522	2,212	5,719	6,190	2,368	3
493.....	5,819	4	16	26	47	80	203	403	775	1,483	1,737	1,045	-
494-496.....	90,420	11	13	18	35	53	313	1,933	10,354	28,467	33,819	15,391	13
531-533.....	10,051	17	5	5	13	63	163	354	1,004	2,369	3,471	2,585	2
540-543.....	384	1	-	2	1	7	15	14	44	93	129	78	-
550-553, 560.....	13,090	111	21	19	34	85	254	562	1,319	2,891	4,104	3,688	2
571.....	14,024	18	13	9	57	416	1,446	1,832	3,108	3,971	2,502	639	13
574-575.....	4,393	7	1	-	3	35	88	157	364	904	1,494	1,340	-

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE  
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
580-589.....	98,196	836	103	142	332	1,435	3,124	4,481	10,370	23,648	31,454	22,266	5
580-581.....	855	7	5	8	7	17	38	33	89	222	284	145	-
582-583, 587.....	3,516	7	3	6	10	88	111	113	281	744	1,113	1,040	-
584-586, 588-589..	95,198	825	100	133	323	1,375	3,045	4,390	10,122	22,958	30,514	21,408	5
590.....	1,535	6	1	1	5	29	42	72	149	298	467	464	1
600.....	1,538	-	-	-	-	-	1	6	54	296	624	557	-
630-676.....	48	...	...	-	17	26	5	-	...	...	...	...	-
630-638.....	7	...	...	-	2	3	2	-	...	...	...	...	-
640-676.....	48	...	...	-	17	26	5	-	...	...	...	...	-
740-759.....	4,451	1,213	214	134	172	229	267	325	474	564	535	324	-
760-779.....	5,347	5,180	111	29	11	6	3	-	4	2	-	1	-
767-769.....	1,585	1,549	18	9	4	1	1	-	2	1	-	-	-
760-766, 770-779..	8,229	8,081	105	25	7	5	2	-	2	1	-	1	-
780-799.....	370,504	3,209	1,419	1,364	2,812	7,433	12,886	18,346	41,412	86,388	110,422	84,767	46
RESIDUAL.....	424,236	2,451	1,147	1,123	3,147	8,909	16,802	22,562	45,742	89,310	124,470	108,521	52
E800-E949.....	59,398	519	395	382	579	1,228	2,118	2,959	6,146	12,930	17,496	14,639	7

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE  
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
E810-E815.....	763	4	6	8	43	46	55	67	115	154	192	73	-
E800-E807, E816- E949.....	58,927	515	391	383	609	1,237	2,112	2,917	6,056	12,799	17,328	14,573	7
E950-E959.....	182	...	...	1	17	36	26	20	22	28	21	11	-
E960-E978.....	195	15	4	4	16	23	33	23	21	23	20	12	1
E980-E999.....	166	11	3	1	9	15	36	13	17	30	16	14	1
N800-N999.....	195,989	1,856	3,444	4,778	28,696	30,420	24,253	15,667	15,838	22,265	27,227	21,297	248
N800-N848.....	31,187	94	297	531	2,798	2,526	1,949	1,279	1,493	3,016	7,063	10,134	7
N850-N854.....	33,673	412	806	1,321	7,405	6,121	4,448	2,819	2,407	2,832	3,173	1,897	32
N860-N869.....	21,199	75	273	592	5,041	4,605	3,207	1,962	1,688	1,702	1,494	547	13
N870-N897.....	42,681	25	140	792	11,221	10,728	7,042	4,159	3,009	2,809	2,103	587	66
N900-N904.....	4,290	4	29	72	1,064	1,037	661	407	293	317	274	131	1
N905-N909.....	2,993	8	35	60	109	209	275	242	327	508	591	627	2
N910-N929.....	1,394	18	39	42	178	200	177	137	136	136	169	159	3
N930-N939.....	13,765	237	245	166	290	428	658	711	1,201	2,435	3,866	3,527	1
N940-N949.....	3,485	65	294	160	341	512	443	328	320	387	393	236	6
N950-N957.....	1,930	6	26	69	341	363	266	171	179	199	206	101	3

SEE FOOTNOTES AT END OF TABLE.



MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE  
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
N958-N959.....	31,989	163	512	983	6,459	6,095	4,399	2,855	2,471	2,693	3,142	2,168	49
N960-N995.....	35,454	759	1,503	1,293	4,243	7,595	7,174	3,663	2,816	2,629	2,373	1,303	103
N996-N999.....	23,347	369	211	201	238	461	874	1,370	3,202	6,531	6,817	3,073	-
*042-*044 <u>2</u> /.....	3,339	16	10	12	60	864	1,440	613	224	76	19	5	-

1/ INCLUDES \*042-\*044 (HIV INFECTION) SHOWN SEPARATELY BELOW.  
2/ INCLUDED IN REM. 001 - 139.  
 - QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 5

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION)

CAUSE OF DEATH	AGE												N.S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
004, 006.....	23	3	3	-	-	2	-	2	5	3	4	1	-
007-009.....	1,094	157	25	10	9	100	128	63	53	137	179	233	-
010-018.....	4,449	4	6	6	45	468	744	473	564	804	880	454	1
010-012.....	3,500	1	5	3	28	337	558	378	458	632	717	382	1
013-018.....	991	3	1	4	19	135	193	98	114	179	170	75	-
033.....	2	1	-	-	-	1	-	-	-	-	-	-	-
034-035.....	18	-	-	-	1	1	1	-	3	2	6	4	-
036.....	214	45	42	24	30	13	13	8	10	12	5	12	-
038.....	105,911	761	338	270	679	2,351	4,589	5,492	11,200	22,811	31,760	25,644	16
045.....	1	-	-	-	-	-	-	1	-	-	-	-	-
055.....	31	6	4	10	2	6	1	1	-	-	1	-	-
070.....	2,863	9	6	7	38	200	488	411	512	649	443	100	-
090-097.....	342	43	2	2	4	21	28	19	30	51	86	56	-
REM. 001-139 <u>1</u> /..	46,279	556	327	275	904	11,052	14,781	6,481	3,675	3,426	2,971	1,820	11
140-208.....	582,136	93	564	1,173	1,952	6,839	19,180	42,239	100,159	175,472	162,106	72,332	27
140-149.....	9,955	1	-	6	20	72	340	1,081	2,374	2,995	2,160	905	1

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 5

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	N.S.
150-159.....	137,389	9	30	20	127	695	3,019	8,064	21,469	40,163	41,959	21,827	7
160-165.....	162,661	6	5	10	49	336	2,850	12,592	36,440	59,937	40,819	9,608	9
174-175.....	52,905	-	1	-	14	670	3,472	6,155	9,606	13,232	12,353	7,400	2
179-187.....	73,767	-	2	4	105	607	1,609	2,994	7,840	20,178	26,424	14,002	2
188-189.....	26,528	3	15	39	29	87	445	1,375	3,750	7,612	8,690	4,482	1
170-173, 190-199.....	186,928	49	331	584	853	3,224	7,962	15,496	34,104	56,305	48,302	19,707	11
204-208.....	23,469	26	184	456	530	674	924	1,334	2,868	5,889	6,800	3,784	-
200-203.....	37,951	5	20	93	363	1,255	2,106	2,739	5,413	10,540	11,090	4,325	2
210-239.....	13,233	89	97	101	146	297	473	641	1,361	3,004	4,228	2,795	1
250.....	166,153	4	12	53	223	1,094	3,320	8,042	22,356	48,353	54,060	28,629	7
260-269.....	30,881	56	28	32	65	385	746	1,143	2,529	5,851	9,837	10,203	6
280-285.....	43,030	94	103	147	266	920	1,392	1,608	3,321	7,559	13,152	14,467	1
320-322.....	2,496	247	72	57	54	200	287	283	342	460	339	155	-
390-448.....	1,314,899	3,324	1,576	1,630	3,722	11,480	29,049	55,521	132,956	291,606	419,105	364,769	161
390-398, 402,404-429.....	1,130,173	2,931	1,437	1,391	3,254	10,092	25,494	49,100	118,206	254,643	356,545	306,937	143

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 5

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
390-398.....	10,467	17	7	9	37	150	328	572	1,371	2,787	3,469	1,720	-
402.....	33,907	2	2	4	28	229	1,112	2,345	4,492	7,829	10,237	7,618	9
404.....	321	-	-	-	1	1	2	2	19	51	101	144	-
410-414.....	599,399	82	26	32	196	1,485	8,036	22,832	61,842	139,996	198,145	166,663	64
410.....	267,785	51	13	19	124	814	4,509	13,227	33,501	69,130	88,273	58,098	26
411.....	7,264	5	2	2	12	59	259	578	1,057	1,663	2,002	1,616	9
413.....	5,970	-	-	-	-	6	43	165	469	1,351	2,141	1,794	1
412, 414...	438,414	27	13	14	81	910	5,005	14,300	41,191	98,283	145,756	132,798	36
424.....	30,116	53	30	22	66	236	515	702	1,925	5,661	11,007	9,899	-
415-423, 425-429.....	834,189	2,844	1,413	1,363	3,091	8,939	19,903	34,923	83,492	182,349	261,400	234,364	108
401, 403.....	128,905	18	10	11	78	426	2,116	5,750	14,734	32,213	43,056	30,484	9
430-438.....	255,358	435	168	276	469	1,434	3,839	7,321	17,464	48,014	90,324	85,593	21
431-432.....	30,281	166	57	146	227	617	1,761	2,738	4,272	7,171	8,676	4,446	4
434.0, 434.9.	28,093	91	32	46	69	173	388	777	1,977	5,252	9,779	9,508	1
434.1.....	2,080	1	-	3	6	20	32	66	166	475	751	560	-

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 5

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N.S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
430,433, 435-438.....	209,017	189	83	96	206	750	2,073	4,418	12,326	37,922	75,727	75,211	16
440.....	93,724	3	1	-	10	72	444	1,519	5,382	16,466	31,513	38,307	7
441-448.....	54,545	44	9	22	97	364	765	1,646	5,333	14,850	18,910	12,502	3
466.....	2,459	112	34	8	19	22	32	62	240	520	724	686	-
480-487.....	208,354	1,194	520	457	837	3,285	5,592	6,632	14,790	36,344	66,609	72,066	28
480-486.....	207,281	1,182	507	440	827	3,273	5,568	6,605	14,722	36,183	66,317	71,629	28
487.....	1,577	19	20	18	12	19	33	38	92	216	423	687	-
490-496.....	207,737	110	97	178	318	517	1,403	5,320	24,083	65,034	76,598	34,053	26
490-491.....	8,486	72	37	28	45	57	122	294	873	2,107	2,721	2,130	-
492.....	35,103	11	1	3	7	36	216	1,026	4,566	12,050	12,711	4,472	4
493.....	11,058	9	47	133	231	360	593	920	1,528	2,680	2,938	1,619	-
494-496.....	163,691	20	15	24	51	86	563	3,443	18,521	51,616	61,934	27,396	22
531-533.....	16,172	23	10	7	19	102	314	624	1,592	3,601	5,535	4,343	2
540-543.....	773	3	5	12	16	18	42	45	93	178	222	139	-
550-553, 560.....	19,196	199	52	29	54	133	344	725	1,659	3,863	6,149	5,987	2
571.....	39,088	33	17	15	95	1,249	4,952	6,183	9,062	10,140	5,943	1,369	30

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 5

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
574-575.....	7,280	9	2	-	16	56	134	232	571	1,453	2,479	2,328	-
580-589.....	134,955	1,026	120	168	419	1,788	3,969	5,810	13,612	31,962	43,919	32,153	9
580-581.....	1,394	12	10	9	9	34	69	75	161	351	429	235	-
582-583, 587...	6,234	13	3	11	29	123	197	240	575	1,435	1,977	1,631	-
584-586, 588-589.....	129,213	1,004	112	153	392	1,682	3,798	5,576	13,060	30,584	42,137	30,706	9
590.....	2,866	14	6	2	15	47	80	119	231	493	921	937	1
600.....	1,966	-	-	-	-	-	1	9	64	356	791	745	-
630-676.....	371	...	...	3	114	176	73	5	...	...	...	...	-
630-638.....	61	...	...	1	22	21	16	1	...	...	...	...	-
640-676.....	317	...	...	2	94	158	59	4	...	...	...	...	-
740-759.....	17,117	8,901	1,088	622	622	696	726	734	894	1,125	1,080	625	4
760-779.....	22,159	21,784	258	61	25	10	9	2	6	2	-	2	-
767-769.....	5,031	4,939	51	21	12	3	2	-	2	1	-	-	-
760-766, 770-779.....	21,612	21,311	219	46	13	7	7	2	4	1	-	2	-
780-799.....	399,498	9,478	1,755	1,508	3,485	9,111	14,984	19,934	43,415	89,890	115,283	90,526	129

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 5

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
RESIDUAL.....	629,021	4,153	2,054	2,195	4,969	13,343	25,780	33,057	64,308	126,862	185,515	166,694	91
E800-E949.....	148,738	1,480	3,060	4,042	15,857	16,000	13,870	10,094	12,702	21,066	27,636	22,804	127
E810-E825.....	44,297	178	908	2,019	11,707	9,137	6,044	3,699	3,099	3,347	3,124	992	43
E800-E807, E826-E949....	104,733	1,302	2,154	2,032	4,223	6,918	7,875	6,420	9,628	17,742	24,536	21,819	84
E950-E959.....	30,992	...	...	267	4,768	6,550	5,793	4,003	3,263	3,112	2,447	769	20
E960-E978.....	26,708	395	432	523	8,175	7,824	4,604	2,135	1,177	761	458	142	82
E980-E999.....	2,682	59	44	51	332	650	708	287	193	152	117	55	34
N800-N999.....	195,990	1,856	3,444	4,778	28,696	30,421	24,253	15,667	15,838	22,265	27,227	21,297	248
N800-N848.....	31,187	94	297	531	2,798	2,526	1,949	1,279	1,493	3,016	7,063	10,134	7
N850-N854.....	33,673	412	806	1,321	7,405	6,121	4,448	2,819	2,407	2,832	3,173	1,897	32
N860-N869.....	21,199	75	273	592	5,041	4,605	3,207	1,962	1,688	1,702	1,494	547	13
N870-N897.....	42,682	25	140	792	11,221	10,729	7,042	4,159	3,009	2,809	2,103	587	66
N900-N904.....	4,290	4	29	72	1,064	1,037	661	407	293	317	274	131	1
N905-N909.....	2,993	8	35	60	109	209	275	242	327	508	591	627	2
N910-N929.....	1,394	18	39	42	178	200	177	137	136	136	169	159	3
N930-N939.....	13,765	237	245	166	290	428	658	711	1,201	2,435	3,866	3,527	1

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 5

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	AGE												N.S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OVER	
N940-N949.....	3,485	65	294	160	341	512	443	328	320	387	393	236	6
N950-N957.....	1,930	6	26	69	341	363	266	171	179	199	206	101	3
N958-N959.....	31,989	163	512	983	6,459	6,095	4,399	2,855	2,471	2,693	3,142	2,168	49
N960-N995.....	35,454	759	1,503	1,293	4,243	7,595	7,174	3,663	2,816	2,629	2,373	1,303	103
N996-N999.....	23,347	369	211	201	238	461	874	1,370	3,202	6,531	6,817	3,073	-
*O42-*O44 <u>2</u> /.....	32,848	106	165	116	672	10,338	13,687	5,330	1,780	519	110	15	10

1/ INCLUDES \*O42-\*O44 (HIV INFECTION) SHOWN SEPARATELY BELOW.

2/ INCLUDED IN REM. 001-139.

- QUANTITY = 0



MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 6

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION)

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
004, 006.....	23	16	7	19	14	5	4	2	2	4	2	2
007-009.....	846	410	436	697	330	367	146	78	68	136	73	63
010-018.....	4,059	2,593	1,466	2,477	1,556	921	1,582	1,037	545	1,367	908	459
010-012.....	3,185	2,186	999	1,920	1,301	619	1,265	885	380	1,093	779	314
013-018.....	908	430	478	575	267	308	333	163	170	287	138	149
033.....	2	2	-	1	1	-	1	1	-	1	1	-
034-035.....	18	10	8	17	10	7	1	-	1	1	-	1
036.....	214	112	102	178	95	83	36	17	19	32	16	16
038.....	103,978	48,438	55,540	84,507	38,979	45,528	19,451	9,448	10,003	17,909	8,640	9,269
045.....	1	1	-	1	1	-	-	-	-	-	-	-
055.....	31	13	18	20	10	10	11	3	8	10	3	7
070.....	2,863	1,830	1,033	2,218	1,425	793	644	404	240	414	259	155
090-097.....	342	195	147	157	85	72	185	110	75	181	108	73
REM. 001-1392/...	45,688	35,838	9,850	32,219	25,830	6,389	13,455	9,995	3,460	12,902	9,579	3,323
140-208.....	579,069	309,116	269,953	507,225	269,240	237,985	71,774	39,840	31,934	63,868	35,516	28,352

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 6

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1</sup> / <sub>1</sub>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
140-149.....	9,955	6,593	3,362	8,296	5,377	2,919	1,657	1,214	443	1,463	1,074	389
150-159.....	137,390	72,716	64,674	118,319	62,416	55,903	19,054	10,291	8,763	16,449	8,754	7,695
160-165.....	162,661	104,919	57,742	143,487	91,634	51,853	19,159	13,279	5,880	17,300	12,040	5,260
174-175.....	52,904	364	52,540	46,742	316	46,426	6,156	48	6,108	5,567	44	5,523
179-187.....	73,765	46,000	27,765	62,748	38,847	23,901	11,009	7,148	3,861	10,158	6,727	3,431
188-189.....	26,528	17,260	9,268	24,118	15,850	8,268	2,409	1,409	1,000	2,146	1,250	896
170-173, 190-199.	184,240	96,622	87,618	162,199	84,690	77,509	22,013	11,915	10,098	19,754	10,758	8,996
204-208.....	23,469	12,705	10,764	21,271	11,509	9,762	2,192	1,193	999	1,890	1,022	868
200-203.....	36,939	19,322	17,617	32,859	17,205	15,654	4,077	2,114	1,963	3,606	1,855	1,751
210-239.....	12,785	5,903	6,882	11,263	5,204	6,059	1,520	698	822	1,374	614	760
250.....	166,151	74,886	91,265	139,305	63,973	75,332	26,826	10,907	15,919	23,986	9,550	14,436
260-269.....	30,086	13,832	16,254	25,745	11,450	14,295	4,338	2,380	1,958	3,917	2,154	1,763
280-285.....	42,945	19,212	23,733	35,391	15,529	19,862	7,549	3,682	3,867	6,938	3,362	3,576
320-322.....	2,485	1,323	1,162	1,837	971	866	648	352	296	590	322	268
390-448.....	1,313,331	641,667	671,664	1,145,473	558,004	587,469	167,718	83,592	84,126	150,815	74,092	76,723

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 6

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
390-398, 402, 404-429.....	1,129,848	562,999	566,849	987,327	490,967	496,360	142,404	71,973	70,431	128,127	63,783	64,344
390-398.....	10,464	3,435	7,029	9,569	3,116	6,453	895	319	576	709	246	463
402.....	38,528	16,646	21,882	28,682	12,123	16,559	9,842	4,521	5,321	9,319	4,258	5,061
404.....	3,439	1,456	1,983	2,419	1,004	1,415	1,019	451	568	961	421	540
410-414.....	599,398	309,157	290,241	541,846	280,586	261,260	57,497	28,542	28,955	51,101	24,725	26,376
410.....	267,785	143,577	124,208	240,286	129,788	110,498	27,471	13,774	13,697	24,549	12,001	12,548
411.....	7,264	4,156	3,108	6,328	3,633	2,695	936	523	413	843	467	376
413.....	5,970	2,712	3,258	5,483	2,484	2,999	487	228	259	434	197	237
412, 414.....	438,413	223,726	214,687	399,462	204,484	194,978	38,911	19,221	19,690	34,252	16,438	17,814
424.....	30,058	13,358	16,700	27,822	12,309	15,513	2,233	1,047	1,186	1,937	888	1,049
415-423, 425-429.	828,006	404,621	423,385	718,727	349,528	369,199	109,195	55,048	54,147	97,825	48,594	49,231
401, 403.....	118,087	49,781	68,306	95,309	39,757	55,552	22,758	10,016	12,742	20,621	8,928	11,693
430-438.....	255,310	105,324	149,986	220,218	89,523	130,695	35,064	15,790	19,274	31,042	13,754	17,288
431-432.....	29,553	13,929	15,624	24,046	11,093	12,953	5,500	2,834	2,666	4,584	2,352	2,232
434.0, 434.9.....	27,866	11,398	16,468	24,189	9,754	14,435	3,675	1,644	2,031	3,293	1,441	1,852

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 6

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
434.1.....	2,080	806	1,274	1,880	719	1,161	200	87	113	170	77	93
430, 433, 435-438	203,491	82,198	121,293	176,881	70,598	106,283	26,591	11,591	15,000	23,762	10,185	13,577
440.....	85,707	36,682	49,025	77,886	33,244	44,642	7,816	3,436	4,380	7,011	3,010	4,001
441-448.....	47,816	26,705	21,111	43,069	24,353	18,716	4,741	2,347	2,394	4,254	2,033	2,221
466.....	2,203	1,070	1,133	2,020	972	1,048	182	97	85	151	80	71
480-487.....	203,455	103,549	99,906	180,628	90,604	90,024	22,808	12,936	9,872	19,893	11,215	8,678
480-486.....	201,878	102,930	98,948	179,154	90,029	89,125	22,706	12,893	9,813	19,810	11,180	8,630
487.....	1,577	619	958	1,474	575	899	102	43	59	83	35	48
490-496.....	207,659	121,844	85,815	192,129	112,002	80,127	15,524	9,841	5,683	13,631	8,617	5,014
490-491.....	8,443	4,392	4,051	7,731	3,994	3,737	712	398	314	597	330	267
492.....	33,629	20,775	12,854	31,632	19,342	12,290	1,997	1,433	564	1,751	1,249	502
493.....	10,889	4,180	6,709	8,714	3,278	5,436	2,175	902	1,273	1,918	791	1,127
494-496.....	155,789	93,022	62,767	145,034	85,855	59,179	10,749	7,166	3,583	9,456	6,300	3,156
531-533.....	16,167	8,103	8,064	14,348	7,099	7,249	1,817	1,004	813	1,508	825	683
540-543.....	773	401	372	656	333	323	117	68	49	106	63	43

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 6

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
550-553, 560.....	19,196	7,359	11,837	16,752	6,263	10,489	2,444	1,096	1,348	2,233	994	1,239
571.....	39,162	25,291	13,871	32,998	21,394	11,604	6,154	3,890	2,264	5,230	3,329	1,901
574-575.....	7,274	3,193	4,081	6,451	2,854	3,597	823	339	484	686	265	421
580-589.....	119,542	62,816	56,726	98,932	52,213	46,719	20,590	10,593	9,997	18,574	9,506	9,068
580-581.....	1,170	607	563	951	498	453	219	109	110	197	96	101
582-583, 587...	5,010	2,726	2,284	3,916	2,101	1,815	1,091	622	469	1,004	564	440
584-586, 588-589.....	114,716	60,199	54,517	95,175	50,191	44,984	19,524	10,001	9,523	17,592	8,969	8,623
590.....	2,750	948	1,802	2,354	800	1,554	396	148	248	359	141	218
600.....	1,966	1,966	...	1,754	1,754	...	210	210	...	188	188	...
630-676.....	371	...	371	212	...	212	159	...	159	145	...	145
630-638.....	61	...	61	30	...	30	31	...	31	29	...	29
640-676.....	317	...	317	189	...	189	128	...	128	116	...	116
740-759.....	17,032	9,125	7,907	13,661	7,300	6,361	3,365	1,822	1,543	2,859	1,554	1,305
760-779.....	22,123	12,553	9,570	13,767	7,818	5,949	8,346	4,729	3,617	7,789	4,437	3,352
767-769.....	4,999	2,951	2,048	3,317	1,971	1,346	1,682	980	702	1,561	915	646

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 6

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
760-766, 770-779.....	21,591	12,242	9,349	13,376	7,589	5,787	8,205	4,647	3,558	7,663	4,363	3,300
780-799.....	394,845	198,069	196,776	340,847	169,145	171,702	53,949	28,895	25,054	47,684	25,393	22,291
RESIDUAL.....	599,582	287,225	312,357	519,829	245,880	273,949	79,687	41,311	38,376	71,295	36,647	34,648
E800-E949.....	148,737	89,516	59,221	127,186	75,475	51,711	21,510	14,012	7,498	18,266	11,849	6,417
E810-E825.....	44,297	30,482	13,815	37,513	25,648	11,865	6,763	4,819	1,944	5,290	3,829	1,461
E800-E807, E826-E949.....	104,732	59,249	45,483	89,930	50,015	39,915	14,782	9,220	5,562	13,002	8,041	4,961
E950-E959.....	30,992	24,911	6,081	28,160	22,580	5,580	2,825	2,327	498	2,107	1,790	317
E960-E978.....	26,707	20,905	5,802	12,906	9,668	3,238	13,782	11,223	2,559	13,025	10,675	2,350
E980-E999.....	2,682	1,891	791	2,089	1,472	617	593	419	174	531	377	154
N800-N999.....	195,989	130,166	65,823	158,734	103,014	55,720	37,189	27,106	10,083	32,651	23,976	8,675
N800-N848.....	31,187	15,267	15,920	28,531	13,672	14,859	2,646	1,588	1,058	2,174	1,300	874
N850-N854.....	33,673	24,098	9,575	27,880	19,771	8,109	5,779	4,316	1,463	4,879	3,680	1,199
N860-N869.....	21,199	15,668	5,531	16,476	11,912	4,564	4,717	3,751	966	4,143	3,347	796
N870-N897.....	42,681	35,855	6,826	28,756	23,979	4,777	13,908	11,864	2,044	12,950	11,103	1,847

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 6

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
N900-N904 . . . . .	4,290	3,251	1,039	2,958	2,149	809	1,332	1,102	230	1,217	1,020	197
N905-N909 . . . . .	2,993	1,765	1,228	2,612	1,490	1,122	381	275	106	315	228	87
N910-N929 . . . . .	1,394	976	418	1,178	820	358	216	156	60	185	132	53
N930-N939 . . . . .	13,765	7,483	6,282	11,572	6,233	5,339	2,188	1,248	940	1,975	1,101	874
N940-N949 . . . . .	3,485	2,291	1,194	2,558	1,708	850	926	582	344	851	538	313
N950-N957 . . . . .	1,930	1,400	530	1,492	1,054	438	438	346	92	378	305	73
N958-N959 . . . . .	31,989	21,766	10,223	26,043	17,512	8,531	5,931	4,245	1,686	4,950	3,579	1,371
N960-N995 . . . . .	35,454	24,565	10,889	28,183	19,567	8,616	7,260	4,989	2,271	6,259	4,309	1,950
N996-N999 . . . . .	23,347	12,536	10,811	20,429	11,101	9,328	2,914	1,433	1,481	2,563	1,227	1,336
*O42-*O44 <sup>3/</sup> . . . . .	32,848	28,888	3,960	21,961	20,295	1,666	10,875	8,582	2,293	10,590	8,326	2,264

<sup>1/</sup> INCLUDES BLACK  
<sup>2/</sup> INCLUDES \*O42-\*O44 (HIV INFECTION) SHOWN SEPARATELY BELOW.  
<sup>3/</sup> INCLUDED IN REM. 001-139.  
- QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 7

NUMBER OF RESIDENT DEATHS TABULATED BY  
UNDERLYING CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST  
SUPPLEMENTED BY HIV INFECTION)

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
ALL CAUSES.....	2,169,518	1,121,665	1,047,853	1,868,904	956,497	912,407	300,319	165,006	135,313	269,525	147,331	122,194
004, 006.....	15	11	4	13	10	3	2	1	1	2	1	1
007-009.....	469	215	254	363	157	206	104	56	48	96	53	43
010-018.....	1,713	1,048	665	978	593	385	735	455	280	619	390	229
010-012.....	1,310	841	469	754	474	280	556	367	189	467	319	148
013-018.....	403	207	196	224	119	105	179	88	91	152	71	81
033.....	-	-	-	-	-	-	-	-	-	-	-	-
034-035.....	5	4	1	5	4	1	-	-	-	-	-	-
036.....	198	103	95	165	87	78	33	16	17	29	15	14
038.....	19,691	8,610	11,081	15,884	6,812	9,072	3,802	1,795	2,007	3,535	1,656	1,879
045.....	1	1	-	1	1	-	-	-	-	-	-	-
055.....	27	10	17	19	9	10	8	1	7	7	1	6
070.....	1,840	1,132	708	1,487	930	557	352	201	151	221	124	97
090-097.....	93	52	41	44	27	17	49	25	24	48	24	24
REM. 001-139 <sup>2/</sup> ..	36,346	29,914	6,432	25,047	21,318	3,729	11,289	8,587	2,702	10,889	8,273	2,616

SEE FOOTNOTES AT END OF TABLE.



MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 7

NUMBER OF RESIDENT DEATHS TABULATED BY  
UNDERLYING CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST  
SUPPLEMENTED BY HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
140-208.....	514,657	272,380	242,277	449,506	236,409	213,097	65,089	35,938	29,151	57,921	32,094	25,827
140-149.....	8,278	5,464	2,814	6,830	4,405	2,425	1,446	1,057	389	1,274	933	341
150-159.....	121,781	64,324	57,457	104,449	54,994	49,455	17,318	9,322	7,996	14,951	7,957	6,994
160-165.....	149,119	95,676	53,443	131,320	83,342	47,978	17,785	12,328	5,457	16,057	11,181	4,876
174-175.....	43,849	266	43,583	38,478	228	38,250	5,366	38	5,328	4,843	34	4,809
179-187.....	58,944	34,158	24,786	49,792	28,492	21,300	9,146	5,663	3,483	8,442	5,354	3,088
188-189.....	21,180	13,468	7,712	19,150	12,300	6,850	2,029	1,167	862	1,818	1,049	769
170-173, 190-199.....	61,916	33,047	28,869	55,199	29,470	25,729	6,706	3,570	3,136	5,903	3,170	2,733
204-208.....	18,945	10,194	8,751	17,064	9,165	7,899	1,875	1,026	849	1,609	869	740
200-203.....	30,645	15,783	14,862	27,224	14,013	13,211	3,418	1,767	1,651	3,024	1,547	1,477
210-239.....	6,994	3,179	3,815	6,136	2,783	3,353	856	395	461	777	354	423
250.....	48,951	21,096	27,855	39,600	17,473	22,127	9,344	3,622	5,722	8,517	3,267	5,250
260-269.....	2,991	1,085	1,906	2,558	868	1,690	433	217	216	393	193	200
280-285.....	4,121	1,758	2,363	3,180	1,305	1,875	941	453	488	883	420	463
320-322.....	887	442	445	618	306	312	269	136	133	245	123	122

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 7

NUMBER OF RESIDENT DEATHS TABULATED BY  
UNDERLYING CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST  
SUPPLEMENTED BY HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
390-448.....	916,342	441,689	474,653	806,302	387,808	418,494	109,947	53,837	56,110	99,043	47,654	51,389
390-398, 402, 404-429.....	720,862	359,814	361,048	636,805	317,642	319,163	83,987	42,138	41,849	76,014	37,454	38,560
390-398.....	5,951	1,786	4,165	5,426	1,607	3,819	525	179	346	413	138	275
402.....	21,365	8,995	12,370	15,409	6,218	9,191	5,954	2,777	3,177	5,639	2,635	3,004
404.....	2,445	996	1,449	1,714	682	1,032	731	314	417	695	298	397
410-414.....	485,438	249,736	235,702	439,156	226,684	212,472	46,238	23,029	23,209	41,154	19,966	21,188
410.....	235,255	126,144	109,111	212,058	114,431	97,627	23,172	11,699	11,473	20,654	10,158	10,496
411.....	3,300	1,941	1,359	2,807	1,654	1,153	493	287	206	450	259	191
413.....	1,064	440	624	956	402	554	108	38	70	98	32	66
412, 414...	245,819	121,211	124,608	223,335	110,197	113,138	22,465	11,005	11,460	19,952	9,517	10,435
424.....	13,727	5,829	7,898	12,746	5,361	7,385	979	467	512	858	398	460
415-423, 425-429.....	191,936	92,472	99,464	162,354	77,090	85,264	29,560	15,372	14,188	27,255	14,019	13,236
401, 403.....	9,524	3,956	5,568	7,160	2,938	4,222	2,361	1,018	1,343	2,224	945	1,279
430-438.....	143,481	56,714	86,767	123,720	47,839	75,881	19,746	8,869	10,877	17,362	7,685	9,677

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 7

NUMBER OF RESIDENT DEATHS TABULATED BY  
UNDERLYING CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST  
SUPPLEMENTED BY HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1</sup> /			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
431-432.....	20,681	9,430	11,251	16,768	7,421	9,347	3,909	2,008	1,901	3,242	1,654	1,588
434.0, 434.9.	16,699	6,577	10,122	14,656	5,638	9,018	2,042	939	1,103	1,846	831	1,015
434.1.....	633	229	404	573	204	369	60	25	35	53	23	30
430, 433, 435-438.....	105,468	40,478	64,990	91,723	34,576	57,147	13,735	5,897	7,838	12,221	5,177	7,044
440.....	17,420	6,636	10,784	15,981	6,033	9,948	1,439	603	836	1,306	543	763
441-448.....	25,055	14,569	10,486	22,636	13,356	9,280	2,414	1,209	1,205	2,137	1,027	1,110
466.....	633	288	345	560	248	312	72	39	33	57	31	26
480-487.....	77,860	36,214	41,646	69,276	31,589	37,687	8,578	4,623	3,955	7,372	3,938	3,434
480-486.....	76,723	35,781	40,942	68,207	31,187	37,020	8,511	4,593	3,918	7,320	3,915	3,405
487.....	1,137	433	704	1,069	402	667	67	30	37	52	23	29
490-496.....	90,650	50,485	40,165	83,951	46,316	37,635	6,699	4,169	2,530	5,816	3,621	2,195
490-491.....	3,727	1,957	1,770	3,459	1,801	1,658	268	156	112	224	135	89
492.....	16,436	9,531	6,905	15,539	8,904	6,635	897	627	270	772	536	236
493.....	5,106	1,927	3,179	3,915	1,388	2,527	1,191	539	652	1,043	472	571
494-496.....	65,381	37,070	28,311	61,038	34,223	26,815	4,343	2,847	1,496	3,777	2,478	1,299

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 7

NUMBER OF RESIDENT DEATHS TABULATED BY  
UNDERLYING CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST  
SUPPLEMENTED BY HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
531-533.....	6,117	2,928	3,189	5,456	2,558	2,898	660	370	290	547	302	245
540-543.....	389	207	182	321	163	158	68	44	24	65	42	23
550-553, 560.....	6,106	2,244	3,862	5,296	1,868	3,428	810	376	434	753	347	406
571.....	25,429	16,269	9,160	21,386	13,789	7,597	4,038	2,477	1,561	3,464	2,137	1,327
574-575.....	2,881	1,246	1,635	2,562	1,122	1,440	319	124	195	260	92	168
580-589.....	21,360	10,418	10,942	17,165	8,403	8,762	4,191	2,013	2,178	3,866	1,849	2,017
580-581.....	320	154	166	259	129	130	61	25	36	59	25	34
582-583, 587...	1,512	758	754	1,199	605	594	312	152	160	285	136	149
584-586, 588-589.....	19,528	9,506	10,022	15,707	7,669	8,038	3,818	1,836	1,982	3,522	1,688	1,834
590.....	1,219	327	892	1,041	274	767	178	53	125	161	50	111
600.....	428	428	...	372	372	...	56	56	...	50	50	...
630-676.....	323	...	323	187	...	187	136	...	136	125	...	125
630-638.....	54	...	54	25	...	25	29	...	29	27	...	27
640-676.....	269	...	269	162	...	162	107	...	107	98	...	98
740-759.....	12,599	6,800	5,799	9,978	5,378	4,600	2,617	1,420	1,197	2,202	1,206	996

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 7

NUMBER OF RESIDENT DEATHS TABULATED BY  
UNDERLYING CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST  
SUPPLEMENTED BY HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
760-779.....	16,781	9,561	7,220	9,889	5,654	4,235	6,883	3,902	2,981	6,512	3,711	2,801
767-769.....	3,417	2,059	1,358	2,182	1,334	848	1,235	725	510	1,167	686	481
760-766, 770- 779.....	13,364	7,502	5,862	7,707	4,320	3,387	5,648	3,177	2,471	5,345	3,025	2,320
780-799.....	24,342	13,407	10,935	18,499	10,069	8,430	5,836	3,333	2,503	5,306	3,020	2,286
RESIDUAL.....	177,058	80,742	96,316	153,285	68,925	84,360	23,757	11,811	11,946	21,539	10,626	10,913
E800-E949.....	89,347	59,730	29,617	74,413	49,212	25,201	14,900	10,494	4,406	12,472	8,821	3,651
E810-E825.....	43,536	29,947	13,589	36,851	25,183	11,668	6,665	4,750	1,915	5,205	3,771	1,434
E800-E807, E826-E949.....	45,811	29,783	16,028	37,562	24,029	13,533	8,235	5,744	2,491	7,267	5,050	2,217
E950-E959.....	30,810	24,769	6,041	27,996	22,452	5,544	2,807	2,313	494	2,097	1,782	315
E960-E978.....	26,513	20,768	5,745	12,782	9,581	3,201	13,712	11,173	2,539	12,958	10,628	2,330
E980-E999.....	2,517	1,765	752	1,951	1,366	585	566	399	167	508	360	148
*042-*044 <sup>3/</sup> .....	29,555	26,046	3,509	19,850	18,366	1,484	9,695	7,671	2,024	9,437	7,440	1,997

<sup>1/</sup> INCLUDES BLACK

<sup>2/</sup> INCLUDES \*042-\*044 (HIV INFECTION) SHOWN SEPARATELY BELOW.

<sup>3/</sup> INCLUDED IN REM. 001-139.

- QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 8

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE  
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION)

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <u>1/</u>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
004, 006.....	8	5	3	6	4	2	2	1	1	2	1	1
007-009.....	377	195	182	334	173	161	43	22	21	40	20	20
010-018.....	2,346	1,545	801	1,499	963	536	847	582	265	748	518	230
010-012.....	1,877	1,346	531	1,168	828	340	709	518	191	626	460	166
013-018.....	507	224	283	352	148	204	155	76	79	136	68	68
033.....	2	2	-	1	1	-	1	1	-	1	1	-
034-035.....	13	6	7	12	6	6	1	-	1	1	-	1
036.....	16	9	7	13	8	5	3	1	2	3	1	2
038.....	84,288	39,829	44,459	68,624	32,168	36,456	15,664	7,661	8,003	14,374	6,984	7,390
045.....	-	-	-	-	-	-	-	-	-	-	-	-
055.....	4	3	1	1	1	-	3	2	1	3	2	1
070.....	1,023	698	325	731	495	236	292	203	89	193	135	58
090-097.....	249	143	106	113	58	55	136	85	51	133	84	49
REM. 001 - 139 <u>2/</u> ...	9,353	5,933	3,420	7,182	4,521	2,661	2,171	1,412	759	2,014	1,306	708
140-208.....	64,416	36,740	27,676	57,722	32,834	24,888	6,694	3,906	2,788	5,948	3,423	2,525

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 8

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE  
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <u>1/</u>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
140-149.....	1,678	1,130	548	1,466	972	494	212	158	54	190	142	48
150-159.....	15,611	8,393	7,218	13,872	7,423	6,449	1,739	970	769	1,498	797	701
160-165.....	13,543	9,244	4,299	12,168	8,293	3,875	1,375	951	424	1,243	859	384
174-175.....	9,055	98	8,957	8,264	88	8,176	791	10	781	724	10	714
179-187.....	14,821	11,842	2,979	12,956	10,355	2,601	1,865	1,487	378	1,716	1,373	343
188-189.....	5,348	3,792	1,556	4,968	3,550	1,418	380	242	138	328	201	127
170-173, 190-199..	122,325	63,576	58,749	107,001	55,221	51,780	15,324	8,355	6,969	13,851	7,588	6,263
204-208.....	4,527	2,512	2,015	4,210	2,345	1,865	317	167	150	281	153	128
200-203.....	6,296	3,540	2,756	5,637	3,193	2,444	659	347	312	582	308	274
210-239.....	5,791	2,724	3,067	5,127	2,421	2,706	664	303	361	597	260	337
250.....	117,200	53,790	63,410	99,705	46,500	53,205	17,495	7,290	10,205	15,469	6,283	9,186
260-269.....	27,117	12,755	14,362	23,207	10,590	12,617	3,910	2,165	1,745	3,526	1,961	1,565
280-285.....	38,824	17,454	21,370	32,211	14,224	17,987	6,613	3,230	3,383	6,055	2,942	3,113
320-322.....	1,598	881	717	1,219	665	554	379	216	163	345	199	146
390-448.....	397,159	200,075	197,084	339,304	170,275	169,029	57,855	29,800	28,055	51,807	26,455	25,352

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 8

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE  
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <u>1/</u>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
390-398, 402, 404-429.....	409,025	203,218	205,807	350,555	173,354	177,201	58,470	29,864	28,606	52,119	26,333	25,786
390-398.....	4,514	1,649	2,865	4,144	1,509	2,635	370	140	230	296	108	188
402.....	17,397	7,735	9,662	13,452	5,965	7,487	3,945	1,770	2,175	3,734	1,646	2,088
404.....	1,401	623	778	1,005	442	563	396	181	215	371	166	205
410-414.....	113,962	59,423	54,539	102,692	53,904	48,788	11,270	5,519	5,751	9,947	4,759	5,188
410.....	32,533	17,434	15,099	28,231	15,358	12,873	4,302	2,076	2,226	3,895	1,843	2,052
411.....	3,964	2,215	1,749	3,521	1,979	1,542	443	236	207	393	208	185
413.....	4,906	2,272	2,634	4,527	2,082	2,445	379	190	189	336	165	171
412, 414.....	192,596	102,517	90,079	176,129	94,289	81,840	16,467	8,228	8,239	14,300	6,921	7,379
424.....	16,332	7,530	8,802	15,077	6,949	8,128	1,255	581	674	1,079	490	589
415-423, 425- 429.....	636,117	312,185	323,932	556,412	272,471	283,941	79,705	39,714	39,991	70,577	34,578	35,999
401, 403.....	108,646	45,866	62,780	88,213	36,851	51,362	20,433	9,015	11,418	18,413	7,990	10,423
430-438.....	111,835	48,614	63,221	96,503	41,688	54,815	15,332	6,926	8,406	13,681	6,069	7,612
431-432.....	8,888	4,501	4,387	7,292	3,674	3,618	1,596	827	769	1,344	698	646

SEE FOOTNOTES AT END OF TABLE.



MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 8

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE  
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <u>1/</u>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
434.0, 434.9.....	11,169	4,822	6,347	9,534	4,117	5,417	1,635	705	930	1,448	610	838
434.1.....	1,447	577	870	1,307	515	792	140	62	78	117	54	63
430, 433, 435- 438.....	98,041	41,726	56,315	85,175	36,028	49,147	12,866	5,698	7,168	11,541	5,008	6,533
440.....	68,289	30,048	38,241	61,907	27,213	34,694	6,382	2,835	3,547	5,705	2,467	3,238
441-448.....	23,205	12,349	10,856	20,795	11,174	9,621	2,410	1,175	1,235	2,193	1,039	1,154
466.....	1,573	782	791	1,463	724	739	110	58	52	94	49	45
480-487.....	125,597	67,335	58,262	111,352	59,015	52,337	14,245	8,320	5,925	12,523	7,277	5,246
480-486.....	125,157	67,149	58,008	110,947	58,842	52,105	14,210	8,307	5,903	12,492	7,265	5,227
487.....	440	186	254	405	173	232	35	13	22	31	12	19
490-496.....	117,010	71,359	45,651	108,179	65,686	42,493	8,831	5,673	3,158	7,815	4,996	2,819
490-491.....	4,717	2,435	2,282	4,273	2,193	2,080	444	242	202	373	195	178
492.....	17,197	11,246	5,951	16,097	10,440	5,657	1,100	806	294	979	713	266
493.....	5,819	2,267	3,552	4,832	1,902	2,930	987	365	622	878	321	557
494-496.....	90,420	55,958	34,462	84,008	51,638	32,370	6,412	4,320	2,092	5,679	3,822	1,857
531-533.....	10,051	5,176	4,875	8,893	4,542	4,351	1,158	634	524	961	523	438

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 8

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE  
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <u>1/</u>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
540-543.....	384	194	190	335	170	165	49	24	25	41	21	20
550-553, 560.....	13,090	5,115	7,975	11,456	4,395	7,061	1,634	720	914	1,480	647	833
571.....	14,024	9,231	4,793	11,813	7,756	4,057	2,211	1,475	736	1,841	1,239	602
574-575.....	4,393	1,947	2,446	3,889	1,732	2,157	504	215	289	426	173	253
580-589.....	98,196	52,404	45,792	81,777	43,815	37,962	16,419	8,589	7,830	14,712	7,658	7,054
580-581.....	855	455	400	696	371	325	159	84	75	139	71	68
582-583, 587.....	3,516	1,974	1,542	2,728	1,500	1,228	788	474	314	726	430	296
584-586, 588-589..	95,198	50,700	44,498	79,478	42,529	36,949	15,720	8,171	7,549	14,070	7,281	6,789
590.....	1,535	623	912	1,315	527	788	220	96	124	200	92	108
600.....	1,538	1,538	...	1,382	1,382	...	156	156	...	138	138	...
630-676.....	48	...	48	25	...	25	23	...	23	20	...	20
630-638.....	7	...	7	5	...	5	2	...	2	2	...	2
640-676.....	48	...	48	27	...	27	21	...	21	18	...	18
740-759.....	4,451	2,337	2,114	3,698	1,933	1,765	753	404	349	660	349	311
760-779.....	5,347	2,994	2,353	3,882	2,166	1,716	1,465	828	637	1,278	726	552

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 8

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE  
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
767-769.....	1,585	893	692	1,137	638	499	448	255	193	395	229	166
760-766, 770-779..	8,229	4,741	3,488	5,671	3,270	2,401	2,558	1,471	1,087	2,318	1,338	980
780-799.....	370,504	184,662	185,842	322,348	159,076	163,272	48,156	25,586	22,570	42,379	22,373	20,006
RESIDUAL.....	424,236	207,325	216,911	367,952	177,622	190,330	56,284	29,703	26,581	50,030	26,178	23,852
E800-E949.....	59,398	29,790	29,608	52,781	26,267	26,514	6,617	3,523	3,094	5,794	3,028	2,766
E810-E815.....	763	537	226	664	467	197	99	70	29	85	58	27
E800-E807, E816- E949.....	58,927	29,468	29,459	52,374	25,988	26,386	6,553	3,480	3,073	5,735	2,991	2,744
E950-E959.....	182	142	40	164	128	36	18	14	4	10	8	2
E960-E978.....	195	138	57	125	88	37	70	50	20	67	47	20
E980-E999.....	166	127	39	139	107	32	27	20	7	23	17	6
N800-N999.....	195,989	130,166	65,823	158,734	103,014	55,720	37,255	27,152	10,103	32,651	23,976	8,675
N800-N848.....	31,187	15,267	15,920	28,531	13,672	14,859	2,656	1,595	1,061	2,174	1,300	874
N850-N854.....	33,673	24,098	9,575	27,880	19,771	8,109	5,793	4,327	1,466	4,879	3,680	1,199
N860-N869.....	21,199	15,668	5,531	16,476	11,912	4,564	4,723	3,756	967	4,143	3,347	796
N870-N897.....	42,681	35,855	6,826	28,756	23,979	4,777	13,925	11,876	2,049	12,950	11,103	1,847

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 8

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE  
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
N900-N904.....	4,290	3,251	1,039	2,958	2,149	809	1,332	1,102	230	1,217	1,020	197
N905-N909.....	2,993	1,765	1,228	2,612	1,490	1,122	381	275	106	315	228	87
N910-N929.....	1,394	976	418	1,178	820	358	216	156	60	185	132	53
N930-N939.....	13,765	7,483	6,282	11,572	6,233	5,339	2,193	1,250	943	1,975	1,101	874
N940-N949.....	3,485	2,291	1,194	2,558	1,708	850	927	583	344	851	538	313
N950-N957.....	1,930	1,400	530	1,492	1,054	438	438	346	92	378	305	73
N958-N959.....	31,989	21,766	10,223	26,043	17,512	8,531	5,946	4,254	1,692	4,950	3,579	1,371
N960-N995.....	35,454	24,565	10,889	28,183	19,567	8,616	7,271	4,998	2,273	6,259	4,309	1,950
N996-N999.....	23,347	12,536	10,811	20,429	11,101	9,328	2,918	1,435	1,483	2,563	1,227	1,336
*O42-*O44 <sup>3/</sup> .....	3,339	2,879	460	2,143	1,957	186	1,196	922	274	1,166	894	272

<sup>1/</sup> INCLUDES BLACK

<sup>2/</sup> INCLUDES \*O42-\*O44 (HIV INFECTION) SHOWN SEPARATELY BELOW.

<sup>3/</sup> INCLUDED IN REM. 001 - 139.

- QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 9

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION)

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
004, 006.....	23	16	7	19	14	5	4	2	2	4	2	2
007-009.....	1,094	639	455	903	530	373	188	107	81	176	100	76
010-018.....	4,449	2,916	1,533	2,665	1,726	939	1,784	1,190	594	1,564	1,057	507
010-012.....	3,500	2,433	1,067	2,069	1,425	644	1,431	1,008	423	1,252	897	355
013-018.....	991	512	479	620	317	303	371	195	176	325	170	155
033.....	2	2	-	1	1	-	1	1	-	1	1	-
034-035.....	18	10	8	17	10	7	1	-	1	1	-	1
036.....	214	112	102	178	95	83	36	17	19	32	16	16
038.....	105,911	49,932	55,979	85,664	39,916	45,748	20,227	10,005	10,222	18,663	9,180	9,483
045.....	1	1	-	1	1	-	-	-	-	-	-	-
055.....	31	13	18	20	10	10	11	3	8	10	3	7
070.....	2,863	1,830	1,033	2,218	1,425	793	644	404	240	414	259	155
090-097.....	342	195	147	157	85	72	185	110	75	181	108	73
REM. 001-139 <sup>2/</sup> ..	46,279	36,115	10,164	32,727	26,062	6,665	13,538	10,040	3,498	12,977	9,619	3,358
140-208.....	582,136	312,113	270,023	509,897	271,868	238,029	72,169	40,209	31,960	64,236	35,859	28,377

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 9

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
140-149.....	9,955	6,593	3,362	8,296	5,377	2,919	1,657	1,214	443	1,463	1,074	389
150-159.....	137,389	72,715	64,674	118,318	62,415	55,903	19,054	10,291	8,763	16,449	8,754	7,695
160-165.....	162,661	104,919	57,742	143,487	91,634	51,853	19,159	13,279	5,880	17,300	12,040	5,260
174-175.....	52,905	364	52,541	46,743	316	46,427	6,156	48	6,108	5,567	44	5,523
179-187.....	73,767	46,001	27,766	62,750	38,848	23,902	11,009	7,148	3,861	10,158	6,727	3,431
188-189.....	26,528	17,260	9,268	24,118	15,850	8,268	2,409	1,409	1,000	2,146	1,250	896
170-173, 190-199.....	186,928	99,064	87,864	164,544	86,836	77,708	22,356	12,211	10,145	20,072	11,034	9,038
204-208.....	23,469	12,705	10,764	21,271	11,509	9,762	2,192	1,193	999	1,890	1,022	868
200-203.....	37,951	20,292	17,659	33,736	18,051	15,685	4,212	2,238	1,974	3,732	1,971	1,761
210-239.....	13,233	6,149	7,084	11,660	5,423	6,237	1,571	725	846	1,417	637	780
250.....	166,153	74,887	91,266	139,307	63,974	75,333	26,826	10,907	15,919	23,986	9,550	14,436
260-269.....	30,881	14,278	16,603	26,397	11,815	14,582	4,481	2,461	2,020	4,050	2,226	1,824
280-285.....	43,030	19,272	23,758	35,452	15,573	19,879	7,573	3,698	3,875	6,961	3,377	3,584
320-322.....	2,496	1,327	1,169	1,847	975	872	649	352	297	591	322	269
390-448.....	1,314,899	642,432	672,467	1,146,735	558,630	588,105	168,024	83,731	84,293	151,099	74,219	76,880

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 9

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1</sup> / <sub>2</sub>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
390-398, 402,404-429.....	1,130,173	563,165	567,008	987,586	491,098	496,488	142,470	72,008	70,462	128,188	63,816	64,372
390-398.....	10,467	3,435	7,032	9,572	3,116	6,456	895	319	576	709	246	463
402.....	33,907	15,076	18,831	24,995	10,903	14,092	8,908	4,170	4,738	8,441	3,933	4,508
404.....	321	135	186	287	119	168	34	16	18	34	16	18
410-414.....	599,399	309,157	290,242	541,847	280,586	261,261	57,497	28,542	28,955	51,101	24,725	26,376
410.....	267,785	143,577	124,208	240,286	129,788	110,498	27,471	13,774	13,697	24,549	12,001	12,548
411.....	7,264	4,156	3,108	6,328	3,633	2,695	936	523	413	843	467	376
413.....	5,970	2,712	3,258	5,483	2,484	2,999	487	228	259	434	197	237
412, 414...	438,414	223,726	214,688	399,463	204,484	194,979	38,911	19,221	19,690	34,252	16,438	17,814
424.....	30,116	13,384	16,732	27,871	12,330	15,541	2,242	1,052	1,190	1,946	893	1,053
415-423, 425- 429.....	834,189	407,077	427,112	723,678	351,482	372,196	110,426	55,550	54,876	98,985	49,062	49,923
401, 403.....	128,905	53,948	74,957	103,345	42,779	60,566	25,539	11,161	14,378	23,242	9,995	13,247
430-438.....	255,358	105,350	150,008	220,271	89,548	130,723	35,059	15,791	19,268	31,037	13,755	17,282
431-432.....	30,281	14,193	16,088	24,674	11,329	13,345	5,599	2,861	2,738	4,663	2,371	2,292

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 9

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
434.0, 434.9.	28,093	11,492	16,601	24,391	9,836	14,555	3,700	1,656	2,044	3,311	1,452	1,859
434.1.....	2,080	806	1,274	1,880	719	1,161	200	87	113	170	77	93
430,433, 435- 438.....	209,017	84,456	124,561	181,656	72,526	109,130	27,342	11,921	15,421	24,413	10,462	13,951
440.....	93,724	40,281	53,443	85,322	36,586	48,736	8,396	3,693	4,703	7,497	3,211	4,286
441-448.....	54,545	30,151	24,394	48,699	27,310	21,389	5,839	2,836	3,003	5,256	2,472	2,784
466.....	2,459	1,191	1,268	2,263	1,085	1,178	195	105	90	163	87	76
480-487.....	208,354	107,042	101,312	184,349	93,226	91,123	23,984	13,806	10,178	20,991	12,032	8,959
480-486.....	207,281	106,612	100,669	183,352	92,833	90,519	23,909	13,770	10,139	20,929	12,003	8,926
487.....	1,577	619	958	1,474	575	899	102	43	59	83	35	48
490-496.....	207,737	121,891	85,846	192,191	112,039	80,152	15,540	9,851	5,689	13,642	8,624	5,018
490-491.....	8,486	4,414	4,072	7,769	4,013	3,756	717	401	316	601	332	269
492.....	35,103	21,678	13,425	33,030	20,197	12,833	2,073	1,481	592	1,816	1,290	526
493.....	11,058	4,270	6,788	8,856	3,353	5,503	2,202	917	1,285	1,940	804	1,136
494-496.....	163,691	97,322	66,369	152,331	89,807	62,524	11,354	7,514	3,840	9,971	6,600	3,371
531-533.....	16,172	8,105	8,067	14,352	7,101	7,251	1,818	1,004	814	1,509	825	684

SEE FOOTNOTES AT END OF TABLE.



MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 9

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sub>1</sub> /			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
540-543.....	773	401	372	656	333	323	117	68	49	106	63	43
550-553, 560.....	19,196	7,359	11,837	16,752	6,263	10,489	2,444	1,096	1,348	2,233	994	1,239
571.....	39,088	25,242	13,846	32,939	21,355	11,584	6,139	3,880	2,259	5,216	3,320	1,896
574-575.....	7,280	3,195	4,085	6,457	2,856	3,601	823	339	484	686	265	421
580-589.....	134,955	69,737	65,218	110,205	57,300	52,905	24,727	12,426	12,301	22,388	11,181	11,207
580-581.....	1,394	694	700	1,123	568	555	271	126	145	237	109	128
582-583, 587...	6,234	3,284	2,950	4,858	2,534	2,324	1,374	748	626	1,261	677	584
584-586, 588-589.....	129,213	66,686	62,527	105,739	54,938	50,801	23,453	11,739	11,714	21,222	10,560	10,662
590.....	2,866	986	1,880	2,459	836	1,623	407	150	257	370	143	227
600.....	1,966	1,966	...	1,754	1,754	...	210	210	...	188	188	...
630-676.....	371	...	371	212	...	212	159	...	159	145	...	145
630-638.....	61	...	61	30	...	30	31	...	31	29	...	29
640-676.....	317	...	317	189	...	189	128	...	128	116	...	116
740-759.....	17,117	9,167	7,950	13,730	7,333	6,397	3,381	1,831	1,550	2,874	1,563	1,311
760-779.....	22,159	12,572	9,587	13,796	7,833	5,963	8,353	4,733	3,620	7,796	4,441	3,355

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 9

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sub>1</sub> /			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
767-769.....	5,031	2,974	2,057	3,341	1,989	1,352	1,690	985	705	1,569	920	649
760-766, 770-779.....	21,612	12,249	9,363	13,393	7,595	5,798	8,209	4,648	3,561	7,667	4,364	3,303
780-799.....	399,498	199,951	199,547	344,639	170,710	173,929	54,809	29,211	25,598	48,469	25,675	22,794
RESIDUAL.....	629,021	301,930	327,091	544,209	258,051	286,158	84,740	43,841	40,899	75,839	38,920	36,919
E800-E949.....	148,738	89,516	59,222	127,187	75,475	51,712	21,510	14,012	7,498	18,266	11,849	6,417
E810-E825.....	44,297	30,482	13,815	37,513	25,648	11,865	6,763	4,819	1,944	5,290	3,829	1,461
E800-E807, E826-E949...	104,733	59,249	45,484	89,931	50,015	39,916	14,782	9,220	5,562	13,002	8,041	4,961
E950-E959.....	30,992	24,911	6,081	28,160	22,580	5,580	2,825	2,327	498	2,107	1,790	317
E960-E978.....	26,708	20,906	5,802	12,907	9,669	3,238	13,782	11,223	2,559	13,025	10,675	2,350
E980-E999.....	2,682	1,891	791	2,089	1,472	617	593	419	174	531	377	154
N800-N999.....	195,990	130,167	65,823	158,735	103,015	55,720	37,189	27,106	10,083	32,651	23,976	8,675
N800-N848.....	31,187	15,267	15,920	28,531	13,672	14,859	2,646	1,588	1,058	2,174	1,300	874
N850-N854.....	33,673	24,098	9,575	27,880	19,771	8,109	5,779	4,316	1,463	4,879	3,680	1,199
N860-N869.....	21,199	15,668	5,531	16,476	11,912	4,564	4,717	3,751	966	4,143	3,347	796

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 9

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1991

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS AND HIV INFECTION) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
NB70-NB97.....	42,682	35,856	6,826	28,757	23,980	4,777	13,908	11,864	2,044	12,950	11,103	1,847
N900-N904.....	4,290	3,251	1,039	2,958	2,149	809	1,332	1,102	230	1,217	1,020	197
N905-N909.....	2,993	1,765	1,228	2,612	1,490	1,122	381	275	106	315	228	87
N910-N929.....	1,394	976	418	1,178	820	358	216	156	60	185	132	53
N930-N939.....	13,765	7,483	6,282	11,572	6,233	5,339	2,188	1,248	940	1,975	1,101	874
N940-N949.....	3,485	2,291	1,194	2,558	1,708	850	926	582	344	851	538	313
N950-N957.....	1,930	1,400	530	1,492	1,054	438	438	346	92	378	305	73
N958-N959.....	31,989	21,766	10,223	26,043	17,512	8,531	5,931	4,245	1,686	4,950	3,579	1,371
N960-N995.....	35,454	24,565	10,889	28,183	19,567	8,616	7,260	4,989	2,271	6,259	4,309	1,950
N996-N999.....	23,347	12,536	10,811	20,429	11,101	9,328	2,914	1,433	1,481	2,563	1,227	1,336
*042-*044 <sup>3/</sup> .....	32,848	28,888	3,960	21,961	20,295	1,666	10,875	8,582	2,293	10,590	8,326	2,264

<sup>1/</sup> INCLUDES BLACK

<sup>2/</sup> INCLUDES \*042-\*044 (HIV INFECTION) SHOWN SEPARATELY BELOW.

<sup>3/</sup> INCLUDED IN REM. 001-139.

- QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 10

NUMBER OF RESIDENT DEATHS TABULATED BY  
5-YEAR AGE, RACE, AND SEX: UNITED STATES, 1991

AGE	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
ALL AGES.....	2,169,518	1,121,665	1,047,853	1,868,904	956,497	912,407	300,319	165,006	135,313	269,525	147,331	122,194
UNDER 1 YR.....	36,766	21,008	15,758	23,657	13,696	9,961	13,090	7,301	5,789	11,994	6,714	5,280
01-04 YR.....	7,214	4,045	3,169	5,028	2,818	2,210	2,182	1,223	959	1,930	1,083	847
05-09 YR.....	3,926	2,292	1,634	2,903	1,697	1,206	1,022	594	428	879	505	374
10-14 YR.....	4,553	2,980	1,573	3,418	2,219	1,199	1,135	761	374	990	667	323
15-19 YR.....	15,313	11,358	3,955	11,067	7,941	3,126	4,240	3,413	827	3,737	3,053	684
20-24 YR.....	21,139	16,191	4,948	14,921	11,392	3,529	6,206	4,789	1,417	5,566	4,312	1,254
25-29 YR.....	25,485	18,994	6,491	17,918	13,470	4,448	7,556	5,514	2,042	6,811	4,962	1,849
30-34 YR.....	34,143	24,715	9,428	24,427	18,039	6,388	9,700	6,666	3,034	8,882	6,110	2,772
35-39 YR.....	40,561	28,534	12,027	28,928	20,704	8,224	11,618	7,820	3,798	10,651	7,206	3,445
40-44 YR.....	47,561	32,018	15,543	35,029	23,848	11,181	12,522	8,163	4,359	11,408	7,495	3,913
45-49 YR.....	53,627	34,363	19,264	41,199	26,506	14,693	12,412	7,847	4,565	11,229	7,149	4,080
50-54 YR.....	67,049	41,665	25,384	52,454	32,815	19,639	14,578	8,842	5,736	13,135	7,996	5,139
55-59 YR.....	96,553	59,342	37,211	78,133	48,337	29,796	18,397	10,991	7,406	16,536	9,915	6,621
60-64 YR.....	151,525	92,094	59,431	127,160	78,173	48,987	24,339	13,907	10,432	21,912	12,535	9,377
65-69 YR.....	214,468	126,381	88,087	183,809	109,220	74,589	30,635	17,151	13,484	27,578	15,362	12,216
70-74 YR.....	264,168	149,475	114,693	232,010	132,362	99,648	32,138	17,103	15,035	28,860	15,246	13,614
75-79 YR.....	301,822	158,268	143,554	269,816	142,329	127,487	31,986	15,928	16,058	28,475	13,964	14,511
80-84 YR.....	305,668	140,682	164,986	276,797	127,340	149,457	28,849	13,332	15,517	25,707	11,453	14,254
85 AND OVER.....	477,401	156,823	320,578	439,797	143,266	296,531	37,572	13,550	24,022	33,110	11,498	21,612
NOT STATED.....	576	437	139	433	325	108	142	111	31	135	106	29

<sup>1/</sup> INCLUDES BLACK

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 11

NUMBER OF RESIDENT DEATHS TABULATED BY  
STATE OF RESIDENCE, RACE, AND SEX: UNITED STATES, 1991

STATE OF RESIDENCE	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
UNITED STATES.....	2,169,518	1,121,665	1,047,853	1,868,904	956,497	912,407	300,319	165,006	135,313	269,525	147,331	122,194
ALABAMA.....	40,063	21,042	19,021	29,375	15,416	13,959	10,686	5,626	5,060	10,641	5,604	5,037
ALASKA.....	2,200	1,384	816	1,527	965	562	673	419	254	49	30	19
ARIZONA.....	29,548	16,210	13,338	27,468	14,993	12,475	2,080	1,217	863	764	440	324
ARKANSAS.....	25,048	13,196	11,852	20,873	10,993	9,880	4,175	2,203	1,972	4,119	2,171	1,948
CALIFORNIA.....	215,284	113,772	101,512	186,964	97,564	89,400	28,275	16,179	12,096	17,725	10,092	7,633
COLORADO.....	22,588	11,663	10,925	21,552	11,102	10,450	1,034	559	475	803	441	362
CONNECTICUT.....	28,029	13,966	14,063	26,046	12,831	13,215	1,957	1,120	837	1,863	1,061	802
DELAWARE.....	5,928	2,979	2,949	4,910	2,451	2,459	1,014	526	488	984	509	475
DISTRICT OF COLUMBIA.....	7,075	3,931	3,144	1,593	857	736	5,472	3,067	2,405	5,446	3,049	2,397
FLORIDA.....	136,293	73,817	62,476	121,353	65,483	55,870	14,934	8,328	6,606	14,623	8,137	6,486
GEORGIA.....	52,802	27,964	24,838	37,596	19,731	17,865	15,204	8,233	6,971	15,048	8,158	6,890
HAWAII.....	6,810	3,944	2,866	2,072	1,199	873	4,735	2,744	1,991	77	51	26
IDAHO.....	7,719	4,031	3,688	7,602	3,960	3,642	115	70	45	14	9	5
ILLINOIS.....	104,123	52,709	51,414	87,121	43,265	43,856	16,994	9,440	7,554	16,406	9,110	7,296
INDIANA.....	50,148	25,073	25,075	45,994	22,902	23,092	4,149	2,168	1,981	4,087	2,137	1,950
IOWA.....	27,353	13,511	13,842	26,949	13,268	13,681	404	243	161	342	205	137
KANSAS.....	22,505	11,333	11,172	21,186	10,616	10,570	1,310	713	597	1,161	631	530
KENTUCKY.....	35,346	18,460	16,886	32,680	17,052	15,628	2,664	1,408	1,256	2,612	1,381	1,231
LOUISIANA.....	38,283	20,321	17,962	26,022	13,601	12,421	12,253	6,716	5,537	12,127	6,639	5,488
MAINE.....	11,226	5,632	5,594	11,167	5,599	5,568	50	31	19	21	14	7
MARYLAND.....	38,427	19,835	18,592	28,565	14,249	14,316	9,845	5,577	4,268	9,512	5,395	4,117
MASSACHUSETTS.....	53,075	25,498	27,577	50,811	24,224	26,587	2,260	1,272	988	1,957	1,086	871

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 11

NUMBER OF RESIDENT DEATHS TABULATED BY  
STATE OF RESIDENCE, RACE, AND SEX: UNITED STATES, 1991 - CONTINUED

STATE OF RESIDENCE	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
MICHIGAN.....	79,980	41,083	38,897	67,442	34,151	33,291	12,536	6,930	5,606	12,002	6,637	5,365
MINNESOTA.....	35,309	17,986	17,323	34,383	17,448	16,935	925	538	387	517	305	212
MISSISSIPPI.....	25,664	13,438	12,226	16,503	8,567	7,936	9,160	4,871	4,289	9,084	4,827	4,257
MISSOURI.....	50,885	25,773	25,112	45,214	22,754	22,460	5,650	3,014	2,636	5,523	2,953	2,570
MONTANA.....	7,014	3,759	3,255	6,652	3,543	3,109	358	213	145	8	5	3
NEBRASKA.....	14,725	7,333	7,392	14,196	7,030	7,166	529	303	226	425	237	188
NEVADA.....	9,963	5,724	4,239	9,194	5,270	3,924	766	452	314	563	333	230
NEW HAMPSHIRE.....	8,413	4,192	4,221	8,372	4,168	4,204	41	24	17	27	17	10
NEW JERSEY.....	70,492	35,545	34,947	60,583	30,127	30,456	9,903	5,414	4,489	9,422	5,138	4,284
NEW MEXICO.....	11,270	6,176	5,094	10,252	5,565	4,687	1,018	611	407	202	116	86
NEW YORK.....	167,549	84,685	82,864	140,789	69,966	70,823	26,740	14,705	12,035	24,969	13,672	11,297
NORTH CAROLINA.....	58,880	30,736	28,144	44,491	22,910	21,581	14,380	7,821	6,559	13,854	7,535	6,319
NORTH DAKOTA.....	5,576	2,970	2,606	5,394	2,875	2,519	182	95	87	5	1	4
OHIO.....	100,190	50,409	49,781	89,354	44,515	44,839	10,822	5,883	4,939	10,616	5,775	4,841
OKLAHOMA.....	30,275	15,432	14,843	26,993	13,703	13,290	3,278	1,727	1,551	2,002	1,047	955
OREGON.....	25,015	13,042	11,973	24,345	12,660	11,685	667	381	286	317	184	133
PENNSYLVANIA.....	122,657	61,225	61,432	110,813	54,923	55,890	11,834	6,296	5,538	11,507	6,122	5,385
RHODE ISLAND.....	9,398	4,592	4,806	9,023	4,388	4,635	374	203	171	315	174	141
SOUTH CAROLINA.....	29,966	15,893	14,073	20,447	10,840	9,607	9,518	5,053	4,465	9,468	5,026	4,442
SOUTH DAKOTA.....	6,644	3,545	3,099	6,208	3,276	2,932	436	269	167	7	7	-
TENNESSEE.....	46,309	24,191	22,118	38,581	20,181	18,400	7,724	4,008	3,716	7,663	3,972	3,691
TEXAS.....	126,795	67,703	59,092	109,313	58,092	51,221	17,478	9,609	7,869	16,855	9,246	7,609
UTAH.....	9,651	5,039	4,612	9,413	4,906	4,507	236	133	103	66	41	25
VERMONT.....	4,563	2,209	2,354	4,550	2,202	2,348	13	7	6	5	4	1

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 11

NUMBER OF RESIDENT DEATHS TABULATED BY  
STATE OF RESIDENCE, RACE, AND SEX: UNITED STATES, 1991 - CONTINUED

STATE OF RESIDENCE	RACE											
	ALL RACES			WHITE			ALL OTHER <sup>1/</sup>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
VIRGINIA.....	49,129	25,452	23,677	38,061	19,372	18,689	11,050	6,071	4,979	10,774	5,930	4,844
WASHINGTON.....	37,073	19,172	17,901	35,139	18,048	17,091	1,931	1,122	809	844	503	341
WEST VIRGINIA.....	19,964	10,290	9,674	19,199	9,902	9,297	765	388	377	748	377	371
WISCONSIN.....	43,137	22,110	21,027	41,494	21,150	20,344	1,643	960	683	1,338	783	555
WYOMING.....	3,159	1,690	1,469	3,080	1,644	1,436	79	46	33	18	14	4

<sup>1/</sup> INCLUDES BLACK  
- DATA NOT AVAILABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 12

NUMBER OF DEATHS TABULATED BY  
STATE OF OCCURRENCE AND MONTH: UNITED STATES, 1991

(DEATHS BY STATE OF OCCURRENCE INCLUDE FOREIGN RESIDENTS)

STATE OF OCCURRENCE	TOTAL	MONTH OF DEATH											
		JANUARY	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCTOBER	NOV.	DEC.
UNITED STATES.....	2,173,060	195,436	175,997	192,075	178,908	178,497	170,422	174,043	171,042	167,101	180,913	183,567	205,059
ALABAMA.....	39,753	3,569	3,161	3,560	3,231	3,230	3,105	3,125	3,117	2,977	3,351	3,430	3,897
ALASKA.....	2,201	182	162	183	182	169	190	218	215	174	172	165	189
ARIZONA.....	30,269	2,768	2,645	2,818	2,646	2,515	2,324	2,308	2,250	2,260	2,468	2,464	2,803
ARKANSAS.....	24,814	2,209	2,048	2,302	2,028	2,029	1,939	1,960	1,880	1,906	2,080	2,098	2,335
CALIFORNIA.....	216,005	19,883	17,261	18,688	17,965	17,894	17,038	17,456	16,902	16,545	17,357	17,906	21,110
COLORADO.....	23,059	2,028	1,869	2,059	1,940	1,894	1,875	1,833	1,790	1,776	1,978	1,907	2,110
CONNECTICUT.....	28,087	2,693	2,307	2,493	2,253	2,317	2,128	2,292	2,176	2,130	2,325	2,333	2,640
DELAWARE.....	5,979	531	470	497	502	512	479	463	469	496	522	475	563
DISTRICT OF COLUMBIA.....	9,031	805	734	751	741	773	692	752	730	754	736	772	791
FLORIDA.....	137,342	12,613	11,623	12,580	11,455	11,142	10,638	10,725	10,649	10,451	11,102	11,680	12,684
GEORGIA.....	53,321	4,866	4,320	4,754	4,268	4,408	4,208	4,208	4,147	4,150	4,442	4,555	4,995
HAWAII.....	7,035	653	522	667	584	574	572	554	555	561	570	624	599
IDAHO.....	7,458	632	563	621	615	636	593	625	628	637	616	585	707
ILLINOIS.....	101,464	9,026	8,321	8,994	8,287	8,303	7,914	8,058	8,029	7,678	8,609	8,490	9,755
INDIANA.....	50,829	4,380	4,146	4,434	4,240	4,111	4,039	3,993	3,989	3,999	4,285	4,260	4,953
IOWA.....	27,108	2,390	2,286	2,391	2,245	2,172	2,026	2,140	2,088	2,160	2,331	2,291	2,588
KANSAS.....	21,820	1,958	1,802	1,929	1,816	1,782	1,745	1,737	1,700	1,713	1,856	1,807	1,975
KENTUCKY.....	34,793	2,901	2,778	3,198	2,967	2,800	2,678	2,671	2,666	2,724	2,898	2,966	3,546
LOUISIANA.....	38,643	3,450	3,051	3,357	3,047	3,258	3,056	3,171	3,095	2,973	3,136	3,626	3,423
MAINE.....	11,181	1,014	966	1,032	949	954	857	956	859	828	892	901	973
MARYLAND.....	37,566	3,405	3,085	3,237	3,057	3,108	2,938	2,986	2,937	2,870	3,239	3,138	3,566
MASSACHUSETTS.....	53,690	5,024	4,483	4,732	4,365	4,293	4,237	4,405	4,332	3,975	4,458	4,407	4,979
MICHIGAN.....	78,779	6,858	6,182	6,904	6,398	6,656	6,245	6,393	6,345	6,040	6,672	6,621	7,465

SEE FOOTNOTES AT END OF TABLE.



MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 12

NUMBER OF DEATHS TABULATED BY  
STATE OF OCCURRENCE AND MONTH: UNITED STATES, 1991

(DEATHS BY STATE OF OCCURRENCE INCLUDE FOREIGN RESIDENTS) - CONTINUED

STATE OF OCCURRENCE	TOTAL	MONTH OF DEATH											
		JANUARY	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCTOBER	NOV.	DEC.
MINNESOTA.....	35,571	3,145	2,800	3,160	2,928	2,747	2,799	2,884	2,856	2,774	3,081	3,043	3,354
MISSISSIPPI.....	24,764	2,204	1,945	2,157	1,953	2,046	1,959	2,047	1,937	1,924	2,091	2,298	2,203
MISSOURI.....	52,362	4,669	4,092	4,658	4,264	4,194	4,052	4,179	4,080	4,024	4,489	4,540	5,121
MONTANA.....	6,984	579	512	589	568	623	590	608	596	592	578	528	621
NEBRASKA.....	14,971	1,273	1,212	1,368	1,227	1,225	1,074	1,191	1,199	1,150	1,295	1,268	1,489
NEVADA.....	10,632	942	867	952	905	885	798	844	817	851	869	866	1,036
NEW HAMPSHIRE.....	8,372	731	704	726	688	658	637	698	727	681	676	670	776
NEW JERSEY.....	68,795	6,435	5,599	5,896	5,687	5,660	5,368	5,540	5,471	5,311	5,751	5,731	6,346
NEW MEXICO.....	11,165	995	918	1,092	926	879	864	829	876	841	965	901	1,079
NEW YORK.....	166,236	15,784	13,373	14,374	13,468	13,588	13,024	13,604	13,150	12,840	13,783	13,787	15,461
NORTH CAROLINA.....	59,369	5,233	4,788	5,240	4,869	4,800	4,746	4,745	4,658	4,680	4,961	5,043	5,606
NORTH DAKOTA.....	6,026	487	441	515	507	528	462	478	437	503	558	536	574
OHIO.....	100,039	8,448	7,881	8,881	8,306	8,318	7,837	8,056	7,867	7,624	8,406	8,607	9,808
OKLAHOMA.....	29,330	2,598	2,316	2,601	2,408	2,469	2,344	2,389	2,367	2,308	2,453	2,414	2,663
OREGON.....	25,206	2,206	2,045	2,209	2,109	2,153	2,098	2,059	1,999	1,819	2,091	2,122	2,296
PENNSYLVANIA.....	123,618	11,135	10,304	11,054	10,277	10,147	9,572	9,797	9,495	9,519	10,399	10,313	11,606
RHODE ISLAND.....	9,519	954	807	834	805	762	717	795	733	676	783	790	863
SOUTH CAROLINA.....	29,170	2,697	2,372	2,632	2,411	2,322	2,293	2,297	2,304	2,270	2,333	2,490	2,749
SOUTH DAKOTA.....	6,693	568	556	634	549	555	491	490	520	475	578	641	636
TENNESSEE.....	49,403	4,211	3,882	4,257	4,024	4,099	3,971	4,009	3,964	3,789	4,192	4,270	4,735
TEXAS.....	128,239	11,512	10,394	11,202	10,454	10,583	10,151	10,137	10,259	10,019	10,432	11,188	11,908
UTAH.....	9,985	889	786	903	831	804	799	783	827	760	870	842	891
VERMONT.....	4,658	393	408	440	391	399	359	390	358	349	398	353	420
VIRGINIA.....	48,445	4,408	4,047	4,250	3,954	3,887	3,804	3,801	3,780	3,659	4,061	4,177	4,617
WASHINGTON.....	37,136	3,223	2,877	3,412	3,215	3,142	2,942	3,020	2,970	2,853	3,109	3,154	3,219

SEE FOOTNOTES AT END OF TABLE.

- 3 -  
 MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
 CONTROL TOTAL TABLE 12

NUMBER OF DEATHS TABULATED BY  
 STATE OF OCCURRENCE AND MONTH: UNITED STATES, 1991

(DEATHS BY STATE OF OCCURRENCE INCLUDE FOREIGN RESIDENTS) - CONTINUED

STATE OF OCCURRENCE	TOTAL	MONTH OF DEATH											
		JANUARY	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCTOBER	NOV.	DEC.
WEST VIRGINIA.....	20,066	1,667	1,606	1,811	1,705	1,671	1,546	1,564	1,617	1,498	1,659	1,660	2,062
WISCONSIN.....	43,086	3,979	3,455	3,799	3,449	3,570	3,378	3,508	3,362	3,297	3,705	3,585	3,999
WYOMING.....	2,993	233	225	248	249	253	231	272	268	238	252	249	275

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 \*\*\*\*\*

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

00100	1	057	I. Infectious and parasitic diseases (001-139)
00200	1	040	Intestinal infectious diseases (001-009)
00300		054	Cholera and typhoid and paratyphoid fevers (001-002)
00400		019	Shigellosis (004)
00500		076	Other salmonella infections and other food poisoning (bacterial) (003,005)
00600		017	Amebiasis (006)
00700		066	Intestinal infections due to other specified organisms (007-008)
00800		041	Ill-defined intestinal infections (009)
00900	1	022	Tuberculosis (010-018)
01000		046	Tuberculosis of respiratory system (010-012)
01100		030	Other tuberculosis (013-018)
01200	1	047	Zoonotic and other bacterial diseases (020-041)
01300		019	Brucellosis (023)
01400		018	Diphtheria (032)
01500		022	Whooping cough (033)
01600		065	Streptococcal sore throat, scarlatina, and erysipelas (034-035)
01700		031	Meningococcal infection (036)
01800		015	Tetanus (037)
01900	3	018	Septicemia (038)
02000		056	All other bacterial diseases (020-022,024-031,039-041)
02100	1	034	Viral diseases (*042-*044,045-079)
02200		027	Acute poliomyelitis (045)
02300		016	Smallpox (050)
02400		015	Measles (055)
02500		015	Rubella (056)
02600		040	Arthropod-borne encephalitis (062-064)
02700		023	Viral hepatitis (070)
02800		074	Other viral diseases (*042-*044,046-049,051-054,057-061,065-066,071-079)
02900	1	058	Rickettsioses and other arthropod-borne diseases (080-088)
03000		042	Typhus and other rickettsioses (080-083)
03100		015	Malaria (084)
03200		046	All other arthropod-borne diseases (085-088)
03300	1	046	Syphilis and other venereal diseases (090-099)
03400	1	020	Syphilis (090-097)
03500		033	Cardiovascular syphilis (093)
03600		023	Neurosyphilis (094)
03700		040	All other syphilis (090-091,095-097)
03800		029	Gonococcal infections (098)
03900		031	Other venereal diseases (099)
04000	1	103	Other infectious and parasitic diseases and late effects of infectious and parasitic diseases (100-139)
04100		019	Mycoses (110-118)
04200		025	Helminthiases (120-129)
04300		036	Late effects of tuberculosis (137)
04400		043	Late effects of acute poliomyelitis (138)
04500		127	All other infectious and parasitic diseases and late effects of other infectious and parasitic diseases (100-104,130-136,139)
04600	1	033	II. Neoplasms (140-239)
04700	1	089	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)
04800	1	064	Malignant neoplasms of lip, oral cavity, and pharynx (140-149)
04900		016	Of lip (140)
05000		019	Of tongue (141)
05100		026	Of pharynx (146-149.0)
05200		097	Of other and ill-defined sites within the lip, oral cavity, and pharynx (142-145,149.1-149.9)

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

282 S Limited Len-

Recode T Sex Age gth Cause Title And ICD-9 Codes Included

05300	1	066	Malignant neoplasms of digestive organs and peritoneum (150-159)
05400		022	Of esophagus (150)
05500		020	Of stomach (151)
05600		048	Of small intestine, including duodenum (152)
05700	1	018	Of colon (153)
05800		075	Hepatic and splenic flexures and transverse colon (153.0-153.1,153.7)
05900		030	Descending colon (153.2)
06000		027	Sigmoid colon (153.3)
06100		056	Cecum, appendix, and ascending colon (153.4-153.6)
06200		048	Other and colon, unspecified (153.8-153.9)
06300		052	Of rectum, rectosigmoid junction, and anus (154)
06400	1	046	Of liver and intrahepatic bile ducts (155)
06500		028	Liver, primary (155.0)
06600		037	Intrahepatic bile ducts (155.1)
06700		058	Liver, not specified as primary or secondary (155.2)
06800		052	Of gallbladder and extrahepatic bile ducts (156)
06900		021	Of pancreas (157)
07000		120	Of retroperitoneum, peritoneum, and other and ill-defined sites within the digestive organs and peritoneum (158-159)
07100	1	071	Malignant neoplasms of respiratory and intrathoracic organs (160-165)
07200		019	Of larynx (161)
07300		040	Of trachea, bronchus, and lung (162)
07400		107	Of all other and ill-defined sites within the respiratory system and intrathoracic organs (160,163-165)
07500	1	076	Malignant neoplasms of bone, connective tissue, skin, and breast (170-175)
07600		041	Of bone and articular cartilage (170)
07700		045	Of connective and other soft tissue (171)
07800		026	Melanoma of skin (172)
07900		043	Other malignant neoplasms of skin (173)
08000	2	026	Of female breast (174)
08100	1	024	Of male breast (175)
08200	1	049	Malignant neoplasms of genital organs (179-187)
08300	2	025	Of cervix uteri (180)
08400	2	042	Of other parts of uterus (179,181-182)
08500	2	043	Of ovary and other uterine adnexa (183)
08600	2	056	Of other and unspecified female genital organs (184)
08700	1	021	Of prostate (185)
08800	1	019	Of testis (186)
08900	1	048	Of penis and other male genital organs (187)
09000	1	049	Malignant neoplasms of urinary organs (188-189)
09100		020	Of bladder (188)
09200		060	Of kidney and other and unspecified urinary organs (189)
09300	1	062	Malignant neoplasms of other and unspecified sites (190-199)
09400		016	Of eye (190)
09500		018	Of brain (191)
09600		058	Of other and unspecified parts of nervous system (192)
09700		080	Of thyroid gland and other endocrine glands and related structures (193-194)
09800		048	Of all other and unspecified sites (195-199)
09900	1	070	Malignant neoplasms of lymphatic and hematopoietic tissues (200-208)
10000		043	Lymphosarcoma and reticulosarcoma (200)
10100		027	Hodgkin's disease (201)
10200		070	Other malignant neoplasms of lymphoid and histiocytic tissue (202)

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

282 Recode	S T	Limited Sex	Len- Age	gth	Cause Title And ICD-9 Codes Included
10300					060 Multiple myeloma and immunoproliferative neoplasms (203)
10400	1				022 Leukemia (204-208)
10500					029 Lymphoid leukemia (204)
10600					028 Myeloid leukemia (205)
10700					030 Monocytic leukemia (206)
10800					046 Other and unspecified leukemia (207-208)
10900	1				108 Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)
11000	1				028 Benign neoplasms (210-229)
11100	2				038 Of female genital organs (218-221)
11200					062 Of eye, brain, and other parts of nervous system (224-225)
11300					064 Of all other and unspecified sites (210-217,222-223,226-229)
11400	1				029 Carcinoma in situ (230-234)
11500					044 Of breast and genitourinary system (233)
11600					052 Of all other and unspecified sites (230-232,234)
11700					043 Neoplasms of uncertain behavior (235-238)
11800					039 Neoplasms of unspecified nature (239)
11900	1				094 III. Endocrine, nutritional, and metabolic diseases and immunity disorders (240-279)
12000	1				073 Endocrine and metabolic diseases and immunity disorders (240-259,270-279)
12100					038 Disorders of thyroid gland (240-246)
12200					025 Diabetes mellitus (250)
12300					069 Disorders of the pituitary gland and its hypothalamic control (253)
12400					032 Diseases of thymus gland (254)
12500					035 Disorders of adrenal glands (255)
12600					025 Cystic fibrosis (277.0)
12700					017 Obesity (278.0)
12800					115 All other endocrine and metabolic diseases and immunity disorders (251-252,256-259,270-276,277.1-277.9,278.1-279)
12900	1				034 Nutritional deficiencies (260-269)
13000					028 Nutritional marasmus (261)
13100					046 Other protein-calorie malnutrition (262-263)
13200					050 All other nutritional deficiencies (260,264-269)
13300	1				067 IV. Diseases of blood and blood-forming organs (280-289)
13400	1				017 Anemias (280-285)
13500					030 Deficiency anemias (280-281)
13600					029 Hemolytic anemias (282-283)
13700					023 Aplastic anemia (284)
13800					037 Other and unspecified anemias (285)
13900					046 Purpura and other hemorrhagic conditions (287)
14000					066 All other diseases of blood and blood-forming organs (286,288-289)
14100	1				040 V. Mental disorders (290-319)
14200					055 Senile and presenile organic psychotic conditions (290)
14300					025 Alcoholic psychoses (291)
14400					029 All other psychoses (292-299)
14500					033 Alcohol dependence syndrome (303)
14600					021 Drug dependence (304)
14700					080 Other neurotic, personality, and nonpsychotic mental disorders (300-302,305-316)
14800					028 Mental retardation (317-319)

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

282 Recode	S T	Limited Sex	Len- Age	gth Cause Title	And ICD-9 Codes Included
14900	1		072	VI. Diseases of the nervous system and sense organs (320-389)	
15000	1		040	Diseases of the nervous system (320-359)	
15100			022	Meningitis (320-322)	
15200			027	Parkinson's disease (332)	
15300			092	Other hereditary and degenerative diseases of the central nervous system (330-331,333-337)	
15400			026	Multiple sclerosis (340)	
15500			032	Infantile cerebral palsy (343)	
15600			016	Epilepsy (345)	
15700			068	Other diseases of the nervous system (323-326,341-342,344,346-359)	
15800			041	Disorders of the eye and adnexa (360-379)	
15900			049	Diseases of the ear and mastoid process (380-389)	
16000	1		060	VII. Diseases of the circulatory system (390-459)	
16100	1		053	Rheumatic fever and rheumatic heart disease (390-398)	
16200			033	Acute rheumatic fever (390-392)	
16300	1		043	Chronic rheumatic heart disease (393-398)	
16400			034	Diseases of mitral valve (394)	
16500			034	Diseases of aortic valve (395)	
16600			046	Diseases of mitral and aortic valves (396)	
16700			059	All other chronic rheumatic heart disease (393,397-398)	
16800	1		030	Hypertensive disease (401-404)	
16900			030	Essential hypertension (401)	
17000			034	Hypertensive heart disease (402)	
17100			034	Hypertensive renal disease (403)	
17200			044	Hypertensive heart and renal disease (404)	
17300	1		032	Ischemic heart disease (410-414)	
17400			035	Acute myocardial infarction (410)	
17500			064	Other acute and subacute forms of ischemic heart disease (411)	
17600			023	Angina pectoris (413)	
17700			087	Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)	
17800			043	Diseases of pulmonary circulation (415-417)	
17900	1		038	Other forms of heart disease (420-429)	
18000			039	Acute and subacute endocarditis (421)	
18100			088	Acute pericarditis, acute myocarditis, and other diseases of pericardium (420,422-423)	
18200	1		037	Other diseases of endocardium (424)	
18300			034	Mitral valve disorders (424.0)	
18400			034	Aortic valve disorders (424.1)	
18500			051	All other diseases of endocardium (424.2-424.9)	
18600			021	Heart failure (428)	
18700			068	Myocarditis, unspecified and myocardial degeneration (429.0-429.1)	
18800			072	All other and ill-defined forms of heart disease (425-427,429.2-429.9)	
18900	1		034	Cerebrovascular diseases (430-438)	
19000			031	Subarachnoid hemorrhage (430)	
19100			059	Intracerebral and other intracranial hemorrhage (431-432)	
19200			054	Occlusion and stenosis of precerebral arteries (433)	
19300			082	Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9)	
19400			027	Cerebral embolism (434.1)	
19500			053	Acute but ill-defined cerebrovascular disease (436)	
19600			066	Other and late effects of cerebrovascular diseases (435,437-438)	
19700	1		059	Diseases of arteries, arterioles, and capillaries (440-448)	
19800			023	Atherosclerosis (440)	
19900			023	Aortic aneurysm (441)	
20000			071	All other diseases of arteries, arterioles, and capillaries (442-448)	
20100	1		084	Diseases of veins and lymphatics, and other diseases of circulatory system (451-459)	
20200			075	Phlebitis, thrombophlebitis, and venous embolism and thrombosis (451-453)	
20300			095	Other diseases of veins and lymphatics and all other diseases of circulatory system (454-459)	

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282 Recode	S T	Limited Sex	Len- Age	gth	Cause Title And ICD-9 Codes Included
20400	1			061	VIII. Diseases of the respiratory system (460-519)
20500	1			057	Diseases of the upper respiratory tract (460-465,470-478)
20600				046	Acute upper respiratory infections (460-465)
20700				053	Other diseases of upper respiratory tract (470-478)
20800	1			054	Other diseases of the respiratory system (466,480-519)
20900				042	Acute bronchitis and bronchiolitis (466)
21000	1			021	Pneumonia (480-486)
21100				025	Viral pneumonia (480)
21200				056	Pneumococcal and other bacterial pneumonia (481-482)
21300				048	Bronchopneumonia, organism unspecified (485)
21400				061	Pneumonia due to other and unspecified organism (483,486)
21500				017	Influenza (487)
21600	1			072	Chronic obstructive pulmonary diseases and allied conditions (490-496)
21700	1			071	Bronchitis, chronic and unspecified, emphysema and asthma (490-493)
21800				057	Bronchitis, not specified as acute or chronic (490)
21900				030	Chronic bronchitis (491)
22000				021	Emphysema (492)
22100				018	Asthma (493)
22200				062	Bronchiectasis and extrinsic allergic alveolitis (494-495)
22300				063	Chronic airways obstruction, not elsewhere classified (496)
22400				073	Pneumoconioses and other lung diseases due to external agents (500-508)
22500				055	Empyema and abscess of lung and mediastinum (510,513)
22600				016	Pleurisy (511)
22700				056	All other diseases of respiratory system (512,514-519)
22800	1			057	IX. Diseases of the digestive system (520-579)
22900				060	Diseases of oral cavity, salivary glands, and jaws (520-529)
23000	1			057	Diseases of other parts of the digestive system (530-579)
23100	1			041	Ulcer of stomach and duodenum (531-533)
23200				023	Gastric ulcer (531)
23300				024	Duodenal ulcer (532)
23400				040	Peptic ulcer, site unspecified (533)
23500				032	Gastritis and duodenitis (535)
23600				024	Appendicitis (540-543)
23700				095	Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)
23800				059	Regional enteritis and idiopathic proctocolitis (555-556)
23900				062	All other noninfective gastroenteritis and colitis (557-558)
24000				032	Diverticula of intestine (562)
24100	1			043	Chronic liver disease and cirrhosis (571)
24200				077	Chronic liver disease and cirrhosis, specified as alcoholic (571.0-571.3)
24300				057	Chronic hepatitis and biliary cirrhosis (571.4,571.6)
24400				117	Cirrhosis of liver and other and unspecified chronic liver disease without mention of alcohol (571.5,571.8-571.9)
24500				061	Cholelithiasis and other disorders of gallbladder (574-575)
24600				082	All other diseases of digestive system (530,534,536-537,564-570,572-573,576-579)
24700	1			060	X. Diseases of the genitourinary system (580-629)
24800	1			036	Diseases of urinary system (580-599)
24900	1			056	Nephritis, nephrotic syndrome, and nephrosis (580-589)
25000				034	Acute glomerulonephritis (580)
25100				028	Nephrotic syndrome (581)
25200				140	Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587)
25300				120	Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589)
25400				028	Infections of kidney (590)
25500				028	Urinary calculus (592,594)
25600				056	All other diseases of urinary system (591,593,595-599)

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282 Recode	S T	Limited Sex	Len- Age	gth	Cause Title And ICD-9 Codes Included
25700	1	1			041 Diseases of male genital organs (600-608)
25800		1			031 Hyperplasia of prostate (600)
25900		1			049 Other diseases of male genital organs (601-608)
26000					029 Disorders of breast (610-611)
26100		2			057 Diseases of female genital organs except breast (614-629)
26200	1	2	2	083	XI. Complications of pregnancy, childbirth, and the puerperium (630-676)
26300	1	2	2	041	Pregnancy with abortive outcome (630-638)
26400		2	2	025	Ectopic pregnancy (633)
26500		2	2	028	Spontaneous abortion (634)
26600		2	2	032	Legally induced abortion (635)
26700		2	2	034	Illegally induced abortion (636)
26800		2	2	057	Other pregnancy with abortive outcome (630-632,637-638)
26900	1	2	2	041	Direct obstetric causes (640-646,651-676)
27000		2	2	054	Hemorrhage of pregnancy and childbirth (640-641,666)
27100		2	2	040	Toxemia of pregnancy (642.4-642.9,643)
27200		2	2	024	Obstructed labor (660)
27300		2	2	043	Complications of the puerperium (670-676)
27400		2	2	077	Other direct obstetric causes (642.0-642.3,644-646,651-659,661-665,667-669)
27500		2	2	035	Indirect obstetric causes (647-648)
27600		2	2	042	Delivery in a completely normal case (650)
27700	1			070	XII. Diseases of the skin and subcutaneous tissue (680-709)
27800				052	Infections of skin and subcutaneous tissue (680-686)
27900				060	All other diseases of skin and subcutaneous tissue (690-709)
28000	1			087	XIII. Diseases of the musculoskeletal system and connective tissue (710-739)
28100				067	Rheumatoid arthritis and other inflammatory polyarthropathies (714)
28200				059	Other arthropathies and related disorders (710-712,715-719)
28300				022	Dorsopathies (720-724)
28400				040	Rheumatism, excluding the back (725-729)
28500				080	Osteopathies, chondropathies, and acquired musculoskeletal deformities (730-739)
28600	1			046	XIV. Congenital anomalies (740-759)
28700				018	Spina bifida (741)
28800				058	All other congenital anomalies of nervous system (740,742)
28900				039	Congenital anomalies of heart (745-746)
29000				054	Other congenital anomalies of circulatory system (747)
29100				048	All other congenital anomalies (743-744,748-759)
29200	1			079	XV. Certain conditions originating in the perinatal period (760-779)
29300				018	Birth trauma (767)
29400				081	Intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (768-769)
29500				070	Other conditions originating in the perinatal period (760-766,770-779)



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

282 Recode	S Limited Len- T Sex Age gth	Cause Title And ICD-9 Codes Included
29600	1 069	XVI. Symptoms, signs, and ill-defined conditions (780-799)
29700		043 Senility without mention of psychosis (797)
29800		067 Symptoms, signs, and other ill-defined conditions (780-796,798-799)
29900	1 093	Supplementary classification of external causes of injury and poisoning (E800-E999)
30000	1 041	Accidents and adverse effects (E800-E949)
30100	1 033	Transport accidents (E800-E848)
30200		033 Railway accidents (E800-E807)
30300	1 039	Motor vehicle accidents (E810-E825)
30400	1 049	Motor vehicle traffic accidents (E810-E819)
30500		045 Involving collision with train (E810)
30600		066 Involving collision with another motor vehicle (E811-E812)
30700		050 Involving collision with pedestrian (E814)
30800		068 Involving collision with other vehicle or object (E813,E815)
30900		054 Not involving collision on highway (E816-E818)
31000		067 Motor vehicle traffic accident of unspecified nature (E819)
31100		052 Motor vehicle nontraffic accidents (E820-E825)
31200		044 Other road vehicle accidents (E826-E829)
31300		041 Water transport accidents (E830-E838)
31400		049 Air and space transport accidents (E840-E845)
31500		060 Vehicle accidents not elsewhere classifiable (E846-E848)
31600	1 034	Accidental poisoning (E850-E869)
31700		075 Accidental poisoning by drugs, medicaments, and biologicals (E850-E858)
31800		072 Accidental poisoning by other solid or liquid substances (E860-E866)
31900		056 Accidental poisoning by gases and vapors (E867-E869)
32000		091 Misadventures during medical care, abnormal reactions, and late complications (E870-E879)
32100	1 030	Accidental falls (E880-E888)
32200		046 Fall from one level to another (E880-E884)
32300		034 Fall on same level (E885-E886)
32400		076 Fracture, cause unspecified, and other and unspecified falls (E887-E888)
32500		049 Accidents caused by fire and flames (E890-E899)
32600	1 053	Other accidents, including late effects (E900-E929)
32700		020 Lightning (E907)
32800		045 Accidental drowning and submersion (E910)
32900		120 Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)
33000		039 Accident caused by handgun (E922.0)
33100		074 Accidents caused by all other and unspecified firearms (E922.1-E922.9)
33200		048 Accident caused by explosive material (E923)
33300		123 Accident caused by hot substance or object, caustic or corrosive material, steam, and exposure to radiation (E924,E926)
33400		046 Accident caused by electric current (E925)
33500		103 All other accidents and late effects of accidental injury (E900-E906,E908-E909,E913-E921,E927-E929)
33600		102 Drugs, medicaments, and biological substances causing adverse effects in therapeutic use (E930-E949)
33700	1 1 019	Suicide (E950-E959)
33800	1 1 064	Suicide by drugs, medicaments, and biologicals (E950.0-E950.5)
33900	1 1 061	Suicide by other solid or liquid substances (E950.6-E950.9)
34000	1 1 041	Suicide by gases and vapors (E951-E952)
34100	1 1 059	Suicide by hanging, strangulation, and suffocation (E953)
34200	1 1 029	Suicide by handgun (E955.0)
34300	1 1 063	Suicide by all other and unspecified firearms (E955.1-E955.4)
34400	1 1 089	Suicide by all other means and late effects of self-inflicted injury (E954,E955.5-E959)

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

282 S Limited Len-

Recode T Sex Age gth Cause Title And ICD-9 Codes Included

34500	1	043	Homicide and legal intervention (E960-E978)
34600		029	Assault by handgun (E965.0)
34700		063	Assault by all other and unspecified firearms (E965.1-E965.4)
34800		051	Assault by cutting and piercing instrument (E966)
34900		127	Assault by all other means and late effects of injury purposely inflicted by other person (E960-E964,E965.5-E965.9,E967-E969)
35000		024	Legal execution (E978)
35100		091	Other legal intervention and late effects of injury due to legal intervention (E970-E977)
35200	1	075	Injury undetermined whether accidentally or purposely inflicted (E980-E989)
35300		071	From poisoning by drugs, medicaments, and biologicals (E980.0-E980.5)
35400		068	From poisoning by other solid or liquid substances (E980.6-E980.9)
35500		033	From injury by handgun (E985.0)
35600		067	From injury by all other and unspecified firearms (E985.1-E985.4)
35700		141	From injury by all other means and late effects of injury, undetermined whether accidentally or purposely inflicted (E981-E984,E985.5-E989)
35800		051	Injury resulting from operations of war (E990-E999)

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 Length = of Cause Title Age: 1 = 5 & Over; 2 = 10-54; 3 = 28 Days & Over

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

72 Recode	S T	Limited Len- Sex Age gth	Cause Title And ICD-9 Codes Included
010			035 Shigellosis and amebiasis (004,006)
020			045 Certain other intestinal infections (007-009)
030	1		022 Tuberculosis (010-018)
040			046 Tuberculosis of respiratory system (010-012)
050			030 Other tuberculosis (013-018)
060			020 Whooping cough (033)
070			063 Streptococcal sore throat, scarlatina, and erysipelas (034-035)
080			029 Meningococcal infection (036)
090	3		016 Septicemia (038)
100			025 Acute poliomyelitis (045)
110			013 Measles (055)
120			021 Viral hepatitis (070)
130			018 Syphilis (090-097)
140			119 All other infectious and parasitic diseases (001-003,005,020-032, 037,039-041,*042-*044,046-054,056-066,071-088,098-139)
150	1		089 Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)
160			064 Malignant neoplasms of lip, oral cavity, and pharynx (140-149)
170			066 Malignant neoplasms of digestive organs and peritoneum (150-159)
180			071 Malignant neoplasms of respiratory and intrathoracic organs (160-165)
190			040 Malignant neoplasm of breast (174-175)
200			049 Malignant neoplasms of genital organs (179-187)
210			049 Malignant neoplasms of urinary organs (188-189)
220			074 Malignant neoplasms of all other and unspecified sites (170-173,190-199)
230			020 Leukemia (204-208)
240			076 Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203)
250			108 Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)
260			023 Diabetes mellitus (250)
270			034 Nutritional deficiencies (260-269)
280			017 Anemias (280-285)
290			020 Meningitis (320-322)
300	1		039 Major cardiovascular diseases (390-448)
310	1		041 Diseases of heart (390-398,402,404-429)
320			057 Rheumatic fever and rheumatic heart disease (390-398)
330			036 Hypertensive heart disease (402)
340			046 Hypertensive heart and renal disease (404)
350	1		036 Ischemic heart disease (410-414)
360			039 Acute myocardial infarction (410)
370			068 Other acute and subacute forms of ischemic heart disease (411)
380			027 Angina pectoris (413)
390			091 Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)
400			039 Other diseases of endocardium (424)
410			054 All other forms of heart disease (415-423,425-429)
420			054 Hypertension with or without renal disease (401,403)
430	1		036 Cerebrovascular diseases (430-438)
440			061 Intracerebral and other intracranial hemorrhage (431-432)
450			084 Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9)
460			029 Cerebral embolism (434.1)
470			076 All other and late effects of cerebrovascular diseases (430,433,435-438)
480			023 Atherosclerosis (440)
490			067 Other diseases of arteries, arterioles, and capillaries (441-448)

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 Length = of Cause Title Age: 1 = 5 & Over; 2 = 10-54; 3 = 28 Days & Over

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

72 Recode	S Limited Len- T Sex Age	gth Cause Title And ICD-9 Codes Included
500		040 Acute bronchitis and bronchiolitis (466)
510	1	033 Pneumonia and influenza (480-487)
520		021 Pneumonia (480-486)
530		017 Influenza (487)
540	1	070 Chronic obstructive pulmonary diseases and allied conditions (490-496)
550		047 Bronchitis, chronic and unspecified (490-491)
560		017 Emphysema (492)
570		014 Asthma (493)
580		078 Other chronic obstructive pulmonary diseases and allied conditions (494-496)
590		039 Ulcer of stomach and duodenum (531-533)
600		022 Appendicitis (540-543)
610		093 Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)
620		041 Chronic liver disease and cirrhosis (571)
630		059 Cholelithiasis and other disorders of gallbladder (574-575)
640	1	054 Nephritis, nephrotic syndrome, and nephrosis (580-589)
650		059 Acute glomerulonephritis and nephrotic syndrome (580-581)
660		138 Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587)
670		118 Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589)
680		026 Infections of kidney (590)
690	1	029 Hyperplasia of prostate (600)
700	1 2	2 068 Complications of pregnancy, childbirth, and the puerperium (630-676)
710	2	2 043 Pregnancy with abortive outcome (630-638)
720	2	2 076 Other complications of pregnancy, childbirth, and the puerperium (640-676)
730		030 Congenital anomalies (740-759)
740	1	064 Certain conditions originating in the perinatal period (760-779)
750		097 Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769)
760		072 Other conditions originating in the perinatal period (760-766,770-779)
770		053 Symptoms, signs, and ill-defined conditions (780-799)
780		029 All other diseases (Residual)
790	1	041 Accidents and adverse effects (E800-E949)
800		037 Motor vehicle accidents (E810-E825)
810		063 All other accidents and adverse effects (E800-E807,E826-E949)
820	1	019 Suicide (E950-E959)
830		043 Homicide and legal intervention (E960-E978)
840		037 All other external causes (E980-E999)

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 Length = of Cause Title Age: 1 = 5 & Over; 2 = 10-54; 3 = 28 Days & Over

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

61 Recode	S T	Limited Sex	Len- 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)
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)

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 Length = of Cause Title Age: 1 = 5 & Over; 2 = 10-54; 3 = 28 Days & Over

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

61 Recode	S T	Limited Sex	Len- Age	gth	Cause Title And ICD-9 Codes Included
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)
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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\*\*\*\*\* Cause Subtotals are not Identified in this File \*\*\*\*\*

52 Recode	S T	Limited Sex	Len- Age	gth Cause Title	And ICD-9 Codes Included
010				050 Tuberculosis, including late effects (010-018,137)	
020			3	016 Septicemia (038)	
030	1			089 Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	
040				064 Malignant neoplasms of lip, oral cavity, and pharynx (140-149)	
050				039 Malignant neoplasm of esophagus (150)	
060				037 Malignant neoplasm of stomach (151)	
070				035 Malignant neoplasm of colon (153)	
080				070 Malignant neoplasms of rectum, rectosigmoid junction, and anus (154)	
090				064 Malignant neoplasms of liver and intrahepatic bile ducts (155)	
100				070 Malignant neoplasms of gallbladder and extrahepatic bile ducts (156)	
110				038 Malignant neoplasm of pancreas (157)	
120				036 Malignant neoplasm of larynx (161)	
130				058 Malignant neoplasms of trachea, bronchus, and lung (162)	
140				036 Malignant neoplasm of pleura (163)	
150				059 Malignant neoplasms of bone and articular cartilage (170)	
160				063 Malignant neoplasms of connective and other soft tissue (171)	
170				034 Malignant melanoma of skin (172)	
180	2			043 Malignant neoplasm of female breast (174)	
190	2			042 Malignant neoplasm of cervix uteri (180)	
200	2			044 Malignant neoplasm of body of uterus (182)	
210	2			061 Malignant neoplasms of ovary and other uterine adnexa (183)	
220	1			038 Malignant neoplasm of prostate (185)	
230	1			036 Malignant neoplasm of testis (186)	
240				037 Malignant neoplasm of bladder (188)	
250				078 Malignant neoplasms of kidney and other and unspecified urinary organs (189)	
260				090 Malignant neoplasms of brain and other and unspecified parts of nervous system (191-192)	
270				025 Hodgkin's disease (201)	
280				059 Malignant lymphoma other than Hodgkin's disease (200,202)	
290				058 Multiple myeloma and immunoproliferative neoplasms (203)	
300				020 Leukemia (204-208)	
310				149 All other malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (152,158-160,164-165,173,175,179,181,184,187,190,193-199)	
320				023 Diabetes mellitus (250)	
330				021 Aplastic anemia (284)	
340	1			039 Diseases of heart (390-398,402,404-429)	
350				034 Hypertensive heart disease (402)	
360				044 Hypertensive heart and renal disease (404)	
370	1			034 Ischemic heart disease (410-414)	
380				037 Acute myocardial infarction (410)	
390				046 All other ischemic heart disease (411-414)	
400				047 All other diseases of heart (390-398,415-429)	
410				052 Hypertension with or without renal disease (401,403)	
420				034 Cerebrovascular diseases (430-438)	
430				021 Atherosclerosis (440)	
440				033 Pneumonia and influenza (480-487)	
450				070 Chronic obstructive pulmonary diseases and allied conditions (490-496)	
460				072 Pneumoconioses and pneumopathy due to inhalation of other dust (500-505)	
470				039 Ulcer of stomach and duodenum (531-533)	
480				041 Chronic liver disease and cirrhosis (571)	
490				054 Nephritis, nephrotic syndrome, and nephrosis (580-589)	
500	1			041 Accidents and adverse effects (E800-E949)	
510				037 Motor vehicle accidents (E810-E825)	
520				079 Accidents mainly of industrial type (E846,E881-E882,E916-E919,E921,E923-E926)	
530				099 Other accidents and adverse effects (E800-E807,E826-E845,E847-E880,E883-E915,E920,E922,E927-E949)	
540			1	019 Suicide (E950-E959)	
550				043 Homicide and legal intervention (E960-E978)	
560				049 All other diseases and external causes (Residual)	

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 Length = of Cause Title Age: 1 = 5 & Over; 2 = 10-54; 3 = 28 Days & Over

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

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

010		022 Tuberculosis (010-018)
020		018 Syphilis (090-097)
030		089 Residual of infectious and parasitic diseases (001-009,020-041,*042-*044,045-088,098-139)
040	1	089 Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)
050		066 Malignant neoplasms of digestive organs and peritoneum (150-159)
060		071 Malignant neoplasms of respiratory and intrathoracic organs (160-165)
070		040 Malignant neoplasm of breast (174-175)
080		049 Malignant neoplasms of genital organs (179-187)
090		049 Malignant neoplasms of urinary organs (188-189)
100		020 Leukemia (204-208)
110		053 Other malignant neoplasms (140-149,170-173,190-203)
120		023 Diabetes mellitus (250)
130	1	039 Major cardiovascular diseases (390-448)
140	1	041 Diseases of heart (390-398,402,404-429)
150		057 Rheumatic fever and rheumatic heart disease (390-398)
160		070 Hypertensive heart disease with or without renal disease (402,404)
170		036 Ischemic heart disease (410-414)
180		034 Other heart diseases (415-429)
190		054 Hypertension with or without renal disease (401,403)
200		036 Cerebrovascular diseases (430-438)
210		023 Atherosclerosis (440)
220		067 Other diseases of arteries, arterioles, and capillaries (441-448)
230		033 Pneumonia and influenza (480-487)
240		070 Chronic obstructive pulmonary diseases and allied conditions (490-496)
250		039 Ulcer of stomach and duodenum (531-533)
260		041 Chronic liver disease and cirrhosis (571)
270		054 Nephritis, nephrotic syndrome, and nephrosis (580-589)
280	2 2	068 Complications of pregnancy, childbirth, and the puerperium (630-676)
290		030 Congenital anomalies (740-759)
300		064 Certain conditions originating in the perinatal period (760-779)
310		053 Symptoms, signs, and ill-defined conditions (780-799)
320		029 All other diseases (Residual)
330		035 Motor vehicle accidents (E810-E825)
340		061 All other accidents and adverse effects (E800-E807,E826-E949)
350	1	019 Suicide (E950-E959)
360		043 Homicide and legal intervention (E960-E978)
370		037 All other external causes (E980-E999)



TITLES FOR BUSINESS OR INDUSTRY RECODE 51

\*\*\*\*\* INDUSTRY SUBTOTALS ARE NOT IDENTIFIED IN THIS FILE \*\*\*\*\*

RECODE	ST	TITLE
01		Agriculture, forestry, and fisheries
02		Mining
03		Construction
04	1	Manufacturing
05	1	Nondurable goods
06		Food and kindred products
07		Textile mill and finished products
08		Paper and allied products
09		Printing, publishing and allied products
10		Chemicals and allied products
11		Petroleum and coal products
12		Rubber, plastics and leather products
13	1	Durable goods
14		Lumber and other wood products, and furniture
15		Stone, clay, glass and concrete products
16		Primary metal industries
17		Fabricated metal industries
18		Machinery, except electrical
19		Electrical machinery, equipment, and supplies
20		Transportation equipment
21		Miscellaneous manufacturing industries
22	1	Transportation, communications, and other public utilities
23	1	Transportation
24		Railroads
25		Trucking and warehousing
26		Other transportation
27		Communications
28		Utilities and sanitary services
29		Wholesale trade
30	1	Retail trade
31		Food, bakery, and dairy stores
32		Auto dealers and supply stores
33		Eating and drinking places
34		Other retail trade
35		Finance, insurance, and real estate
36	1	Business and repair services
37		Automotive services and repair
38		Other business and repair services
39	1	Personal services
40		Private households
41		Beauty and barber shops
42		Other personal services
43		Entertainment and recreation services
44	1	Professional and related services
45		Health services
46		Educational services
47		Social services
48		Legal, engineering, and other services
49		Public administration
50		Military
51		Industry unknown or not reported

TITLES FOR BUSINESS OR INDUSTRY RECODE 15

RECODE	TITLE
01	Agriculture, forestry, and fisheries
02	Mining
03	Construction
04	Manufacturing
05	Transportation, communications, and other public utilities
06	Wholesale trade
07	Retail trade
08	Finance, insurance, and real estate
09	Business and repair services
10	Personal services
11	Entertainment and recreation services
12	Professional and related services
13	Public administration
14	Military
15	Industry unknown or not reported

TITLES FOR USUAL OCCUPATION RECODE 59

\*\*\*\*\* OCCUPATION SUBTOTALS ARE NOT IDENTIFIED IN THIS FILE \*\*\*\*\*

RECODE	ST	TITLE
01	1	Executive, administrative, and managerial occupations
02		Executive and administrative occupations
03		Management related occupations
04	1	Professional specialty occupations
05		Architects, engineers, and scientists
06		Health diagnosis and treatment occupations
07		Teachers
08		Other professional specialty occupations
09		Technicians and related support
10		Sales occupations
11	1	Administrative support occupations, including clerical
12		Secretaries, stenographers, and typists
13		Records processing occupations
14		Mail and message distributing occupations
15		Other administrative support occupations
16	1	Service occupations
17		Private household occupations
18		Protective service occupations
19		Food preparation and service occupations
20		Health service occupations
21		Cleaning and building service occupations
22		Personal service occupations
23	1	Farming, forestry, fishing occupations
24		Farm and other agricultural occupations
25		Forestry, fishing and hunting occupations
26	1	Precision production, craft and repair occupations
27	1	Mechanics and repairers
28		Vehicle and mobile equipment mechanics and repairers
29		Other mechanics and repairers
30	1	Construction trades
31		Carpenters and apprentices
32		Electricians, apprentices, and electrical power installers and repairers
33		Painters, construction and maintenance
34		Other construction trades
35		Extractive occupations
36	1	Precision production occupations
37		Supervisors, production occupations
38		Precision metal and wood working occupations
39		Precision textile, apparel, and furnishings machine workers
40		Precision food production occupations
41		Other precision production occupations
42	1	Machine operators, assemblers, and inspectors
43	1	Machine operators and tenders, except precision
44		Metal, plastic, and woodworking machine operators
45		Printing machine operators
46		Textile, apparel, and furnishing machine operators
47		Machine operators, assorted materials
48		Fabricators, assemblers, and hand working occupations
49		Production inspectors, testers, samplers, and weighers
50	1	Transportation and material moving occupations
51		Motor vehicle operators
52		Other transportation occupations
53	1	Handlers, equipment cleaners, helpers and laborers
54		Construction laborers
55		Laborers, except construction
56		Other handlers, cleaners, and laborers
57		Military
58		Homemaker
59		Occupation unknown or not reported

TITLES FOR USUAL OCCUPATION RECODE 09

RECODE	TITLE
01	Managerial and professional specialty occupations
02	Technical, sales, and administrative support occupations
03	Service occupations
04	Farming, forestry, and fishing occupations
05	Precision production, craft, and repair occupations
06	Operators, fabricators, and laborers
07	Military
08	Homemaker
09	Retired, student, volunteer, never worked, unknown, or not reported

**1991 ADDENDUM TO "TECHNICAL APPENDIX" OF VITAL STATISTICS OF THE UNITED STATES, 1989, VOLUME II, MORTALITY, PART A**

To assist the users of the mortality public-use data tapes, attached is a copy of the "Technical Appendix" of the Vital Statistics of the United States, 1989, Volume II, Mortality, Part A. This technical appendix provides certain qualifications that are essential to using, analyzing, and interpreting the data on those tapes. Certain modifications to the attached technical appendix are essential to make it applicable to the mortality file for the 1991 data year. Those modifications, which will appear in the printed version of the 1991 technical appendix, include the following:

I. Source of data

State-coded medical data:

1991

Arkansas

For 1991, of the States in the VSCP, 31 States submitted precoded medical data for all death certificates on computer tape. NCHS contracted with Colorado, Kansas, and Mississippi to precode medical data for all deaths on computer tape for the five States that were added in 1988. In addition, Delaware, Idaho, Maine, North Dakota, Vermont, and Wyoming contracted with a private company to provide the precoded medical data. Kansas continued to precode the medical data for Alaska.

The remaining 19 VSCP States, New York City, and the District of Columbia submitted copies of the original certificates from which NCHS coded the medical data

All States submitted precoded demographic data for all death certificates on computer tape in 1991.

Data for Puerto Rico, the Virgin Islands, and Guam are not available on the mortality public-use data tapes.

II. Classification of data

A. Automated selection of underlying cause of death:

Prior to data for 1968, mortality medical data were based on manual coding of an underlying cause of death for each certificate in accordance with WHO rules. Effective with data year 1968, NCHS converted to computerized coding of the underlying cause and manual coding of all causes (multiple causes) on the death certificate. In this system, called "Automated Classification of Medical Entities" (ACME), the multiple cause codes serve as inputs to the computer software that employs WHO rules to select the underlying cause. Since 1968, many States also have implemented ACME and provide multiple cause and underlying cause data to NCHS in electronic form.

Beginning with data year 1990, another computer system was implemented. This system, called "Mortality Medical Indexing, Classification, and Retrieval" (MICAR) (1,2), automates the coding of the multiple causes of death. In addition, MICAR ultimately can provide more detailed information on the conditions reported on the death certificates than is available through the International Classification of Diseases (ICD) code structure. In the first year of implementation, only about 5 percent (94,372) of the nation's death records were coded using MICAR with subsequent processing through ACME. For 1991, approximately 26 percent (573,416) of the nation's death records were coded using MICAR. The following States implemented MICAR on at least a portion of their 1991 data: Arkansas, Florida Indiana, and Washington. NCHS expanded the use of MICAR to code at least a portion of the death records from the following States: Alabama, Connecticut, Hawaii, Kentucky, Missouri, Montana, Nevada, New Mexico, Ohio, Oregon, Rhode Island, South Dakota, Tennessee, Utah, West Virginia, the District of Columbia, and New York City. The remainder of the national file was processed by either NCHS or States using only the ACME system.

B. Hispanic origin.

Data for 1991 were obtained from the District of Columbia and all States except New Hampshire, and Oklahoma, which were excluded because their death certificates did not include an item to identify Hispanic or ethnic origin.

For 1991, mortality data published in Vital Statistics of the United States (VSUS) tables 1-37, 1-38, 1-43, 1-44, and 2-21 are based on deaths to residents of all 47 States, New York State (excluding New York City), and the District of Columbia whose data were at least 90 percent complete on a place-of-occurrence basis. Data for New York City were excluded because more than 10 percent of its death certificates were classified to "unknown origin." Because about half of the deaths to Puerto Ricans are accounted for by New York City, the resulting mortality data may not be comparable with that of previous years.

Infant mortality—In tables 2-22, 2-23, 2-24, and 2-25 the data are based on deaths to residents of the same 47 States, New York State (excluding New York City), and the District of Columbia whose mortality data for all ages and whose live birth data were at least 90 percent complete on a place-of-occurrence basis and considered to be sufficiently

comparable to be used for analysis. In computing infant mortality rates, deaths and live births of unknown origin are not distributed among the specified Hispanic and non-Hispanic groups. Because the percent of infant deaths of unknown origin was 1.6 and the percent of live births of unknown origin was 0.8 for the 47 States, New York State (excluding New York City), and the District of Columbia for 1991, infant mortality rates by specified Hispanic origin and race for non-Hispanic origin may be underestimated.

Infant mortality rates by Hispanic origin may be biased, because of inconsistencies in reporting Hispanic or ethnic origin between the birth and death certificates for the same infant. Estimates of reporting bias have been made by comparing rates based on the linked file of infant deaths and live births with those where the Hispanic or ethnic origin of infant death is based on information from the death certificate (3).

In 1990 the 47 States, New York State (excluding New York City), and the District of Columbia accounted for about 91 percent of the Hispanic population in the United States, including about 99 percent of the Mexican population, 63 percent of the Puerto Rican population, 94 percent of the Cuban population, and 83 percent of the "Other Hispanic" population (4).

C. Educational attainment.

Mortality data on educational attainment for 1991 in VSUS table 1-45 are based on deaths to residents of 44 States, New York State (excluding New York City), and the District of Columbia. Data for five States (Georgia, Oklahoma, Rhode Island, South Dakota, and Washington) are excluded from this table because their death certificates did not include an educational attainment item and for New York City data are excluded because the education item on its death certificate was considered not sufficiently comparable to be used for analysis.

In tables 1-46 and 1-47 the data are based on deaths to residents of 30 States, New York State, (excluding New York City), and the District of Columbia whose data were at least 90 percent complete on a place-of-occurrence basis. These 30 States are Alabama, Arizona, California, Colorado, Delaware, Florida, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Louisiana, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, New Hampshire, North Dakota, Ohio, Oregon,

Pennsylvania, South Carolina, Texas, Utah, Vermont, Wisconsin, and Wyoming. Data for Alaska, Arkansas, Connecticut, Kentucky, Maine, Maryland, Mississippi, Nevada, New Jersey, New Mexico, North Carolina, Tennessee, Virginia, and West Virginia are excluded because more than 10 Percent of their death certificates were classified to "unknown educational attainment."

D. Occupation and industry.

Deaths by occupation and industry are included on the 1991 public-use data tapes. These data were included for the first time for 1985. These data were obtained from the following items that appear on the U.S. Standard Certificate of Death:

- o (Item 14a) USUAL OCCUPATION (Give kind of work done during most of working Life, even if retired.)
- o (Item 14b) KIND OF BUSINESS OR INDUSTRY

The occupation and industry mortality data were provided to NCHS by the following 21 reporting States:

Colorado	North Carolina
Georgia	Ohio
Idaho	Oklahoma
Indiana	Rhode Island
Kansas	South Carolina
Kentucky	Utah
Maine	Vermont
Nevada	Washington
New Hampshire	West Virginia
New Jersey	Wisconsin
New Mexico	

These data were coded using the NCHS Part 19 instruction manual (5). The occupation and industry titles corresponding to the 3-digit occupation codes and the 3-digit industry codes are shown in a Bureau of the Census publication (6). In addition to the codes shown in Census publication, the following special codes were created:

<u>Occupation</u>	<u>Industry</u>
905 Military	942 Military
913 Retired	951 Retired
914 Homemaker	961 Homemaker, student, unemployed volunteer
915 Student	
916 Volunteer	
917 Unemployed, never worked, disabled	



Special summary occupation and industry lists were created and are shown elsewhere in this documentation. Also, a special cause-of-death list was created including possible occupationally-related causes of death. This list is the List of 52 selected causes shown elsewhere in this documentation.

The 1991 occupation and industry mortality data will not appear in Vital Statistics of the United States, 1991.

### III. Quality of data:

#### Alaska Data

Numbers of deaths occurring in Alaska for 1980-1991 are in error for selected causes because NCHS did not receive changes resulting from amended records. Differences are concentrated among selected causes of death, principally Symptoms, signs, and ill-defined conditions (ICD-9 Nos. 780-799) and external causes, including Accidents and adverse effects (ICD-9 Nos. E800-E949), Suicide (ICD-9 Nos. E950-E959), and Homicide and legal intervention (ICD-9 Nos. E960-E978).

### V. Population bases for computing rates:

The Population used for computing death rates (furnished by the U.S. Bureau of the Census) represents the population residing in the specified area. Death rates for 1991 are based on populations estimates as of July 1, 1991 (7,8). The estimates are based on the 1990 census counts. The 1990 census counts by race were modified to be consistent with Office of Management and Budget categories and historical categories for death data.

Death rates and life table values for 1981-89 have been recomputed, based on revised populations for those years that are consistent with the 1990 census levels (9,10). They are, therefore, not comparable with death rates and life table values published in other NCHS publications for those years.

### References

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3. National Center for Health Statistics. Technical appendix. Vital statistics of the United States, 1989, vol II, mortality, part A. Washington: Public Health Service. 1993.
4. U.S. Bureau of the Census: Unpublished data from the 1990 census for persons of Spanish origin by State.
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8. U.S. Bureau of the Census: Unpublished estimates for 1991, by State.
9. U.S Bureau of the Census: Unpublished data from the 1990 census, by age, sex, race, and Hispanic origin. 1990 CPH-1-74
10. U.S. Bureau of the Census: Unpublished data from the 1990, by State.

## SOURCES OF DATA

### Death and fetal-death statistics

Mortality statistics for 1989 are, as for all previous years except 1972, based on information from records of all deaths occurring in the United States. Fetal-death statistics for every year are based on all reports of fetal death received by the National Center for Health Statistics (NCHS).

The death-registration system and the fetal-death reporting system of the United States encompass the 50 States, the District of Columbia, New York City (which is independent of New York State for the purpose of death registration), Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Trust Territory of the Pacific Islands. In the statistical tabulations of this publication, United States refers only to the aggregate of the 50 States (including New York City) and the District of Columbia. Tabulations for Guam, Puerto Rico, and the Virgin Islands are shown separately in this volume. No data have ever been included for American Samoa or the Trust Territory of the Pacific Islands.

The Virgin Islands was admitted to the registration area for deaths in 1924; Puerto Rico, in 1932; and Guam, in 1970. Tabulations of death statistics for Puerto Rico and the Virgin Islands were shown regularly in the annual volumes of Vital Statistics of the United States from the year of their admission through 1971 except for the years 1967 through 1969, and tabulations for Guam were included for 1970 and 1971. Death statistics for Puerto Rico, the Virgin Islands, and Guam were not included in the 1972 volume but have been included in section 8 of the volumes for each of the years 1973-78 and in section 9 beginning with 1979. Information for 1972 for these three areas was published in the respective annual vital statistics reports of the Department of Health of the Commonwealth of Puerto Rico, the Department of Health of the Virgin Islands, and the Department of Public Health and Social Services of the Government of Guam.

Procedures used by NCHS to collect death statistics have changed over the years. Before 1971, tabulations of deaths and fetal deaths were based solely on information obtained by NCHS from copies of the original certificates. The information from these copies was edited, coded, and tabulated. For 1960-70, all mortality information taken from these records was transferred by NCHS to magnetic tape for computer processing.

Beginning with 1971, an increasing number of States provided NCHS, with computer tapes of data coded according to NCHS specifications and provided to NCHS through the Vital Statistics Cooperative Program. The year State-coded demographic data were first transmitted on computer tape to NCHS is shown below for each of the States, New York City, Puerto Rico, and the District of Columbia, all of which now furnish demographic or nonmedical data on tape.

1971	Florida	1977	Alaska Idaho Massachusetts New York City Ohio Puerto Rico
1972	Maine Missouri New Hampshire Rhode Island Vermont	1978	Indiana Utah Washington
1973	Colorado Michigan New York (except) New York City)	1979	Connecticut Hawaii Mississippi New Jersey Pennsylvania Wyoming
1974	Illinois Iowa Kansas Montana Nebraska Oregon South Carolina	1980	Arkansas New Mexico South Dakota
1975	Louisiana Maryland North Carolina Oklahoma Tennessee Virginia Wisconsin	1982	North Dakota
1976	Alabama Kentucky Minnesota Nevada Texas West Virginia	1985	Arizona California Delaware Georgia District of Columbia

For the Virgin Islands and Guam, mortality statistics for 1989 are based on information obtained directly by NCHS from copies of the original certificates received from the registration offices.

In 1974 States began coding medical (cause-of-death) data on computer tapes according to NCHS specifications. The year State-coded medical data were first transmitted to NCHS is shown below for the 30 States now furnishing such data. For 1989 Georgia, Indiana, Maine, and Wisconsin submitted precoded medical data on computer tape for part of the year. NCHS contracted with Colorado, Kansas, and Mississippi to precode medical data for all deaths on computer tape for the five States added in 1988. Vermont subcontracted with Pennsylvania to code its medical data.

1974	Iowa Michigan	1984	Maryland New York State (except New York City) Vermont
1975	Louisiana Nebraska North Carolina Virginia Wisconsin	1986	California Florida Texas
1980	Colorado Kansas Massachusetts Mississippi New Hampshire Pennsylvania South Carolina	1988	Alaska Delaware Idaho North Dakota Wyoming
1981	Maine	1989	Georgia Indiana Washington
1983	Minnesota		

For 1989 and previous years except 1972, NCHS coded the medical information from copies of the original certificates received from the registration offices for all deaths occurring in those States that were not furnishing NCHS medical data coded according to NCHS specifications. In addition, Georgia, Indiana, Maine, and Wisconsin submitted copies of the original certificates from which NCHS coded the medical data for part of the year. For 1981 and 1982, these procedures were modified because of a coding and processing backlog resulting from personnel and budgetary restrictions. To produce the mortality files on a timely basis with reduced resources, NCHS used State-coded underlying cause-of-death information supplied by 19 States for 50 percent of the records; for the other 50 percent of the records for these States as well as for 100 percent of the records for the remaining 21 registration areas, NCHS coded the medical information. Mortality statistics for 1972 were based on information obtained from a 50-percent sample of death records instead of from all records as in other years. Sampling variation associated with the 50-percent sample is described below in the section "Estimates of errors arising from 50-percent sample for 1972."

Fetal-death data are obtained directly from copies of original reports of fetal deaths received by NCHS from State registration offices, except registration offices in New York State (excluding New York City), which submitted State-coded data in 1989. Fetal-death data are not published by NCHS for the Virgin Islands and Guam.

### **Standard certificates and reports**

For many years, the U.S. Standard Certificate of Death and the U.S. Standard Report of Fetal Death, issued by the Public Health Service, have been used as the principle means to attain uniformity in the contents of documents used to collect information on these events. They have been modified in each State to the extent required by the particular needs of the State or by special provisions of the State vital statistics law. However, the certificates or reports of most States conform closely in content and arrangement to the standards.

The first issue of the U.S. Standard Certificate of Death appeared in 1900. Since then, it has been revised periodically by the national vital statistics agency through consultation with State health officers and registrars; Federal agencies concerned with vital statistics; national, State, and county medical societies; and others working in such fields as public health, social welfare, demography, and insurance. This revision procedure has ensured careful evaluation of each item in terms of its current and future usefulness for legal, medical and health, demographic, and research purposes. New items have been added when necessary, and old items have been modified to ensure better reporting; or in some cases, items have been dropped when their usefulness appeared to be limited.

New revisions of the U.S. Standard Certificate of Death and the U.S. Standard Report of Fetal Death were recommended for State use beginning January 1, 1989. The U.S. Standard Certificate of Death and the U.S. Standard Report of Fetal Death are shown in figures 7-A and 7-B (1).

Among the major changes made were the addition of a new item on educational attainment and changes to improve the medical certification of cause of death. Additional lines to report causes of death were added as well as more complete instructions with examples for properly completing the cause of death. Also, for the first time, the U.S. Standard Certificate of Death includes a question about the Hispanic origin of the decedent. A number of States had included an Hispanic-origin identifier on their certificates, resulting in data shown in this volume for years before 1989. To obtain information on type of place of death, the format of the item was changed from an open-ended question to a checkbox.

## HISTORY

The first death statistics published by the Federal Government concerned events in 1850 and were based on statistics collected during the decennial census of that year. In 1880 a national "registration area" was created for recording deaths. Originally consisting of two States (Massachusetts and New Jersey), the District of Columbia, and several large cities having efficient systems for death registrations, the death-registration area continued to expand until 1933, when, for the first time, it included the entire United States. Tables showing data for death-registration States include the District of Columbia for all years; registration cities in nonregistration States are not included. For more details on the history of the death-registration area, see the Technical Appendix in Vital Statistics of the United States, 1979, Volume II, Mortality, Part A, section 7, pages 3 and 4, and the section "History and Organization of the Vital Statistics System," chapter 1, Vital Statistics of the United States, 1950, Volume I, pages 2-19. Statistics on fetal deaths were first published for the birth- registration area in 1918 and then annually beginning in 1922.

### CLASSIFICATION OF DATA

The principal value of vital statistics data is realized through the presentation of rates, which are computed by relating the vital events of a class to the population of a similarly defined class. Vital statistics and population statistics must therefore be classified according to similarly defined systems and tabulated in comparable groups. Even when the variables common to both, such as geographic area, age, sex, and race, have been similarly classified and tabulated, differences between the enumeration method of obtaining population data and the registration method of obtaining vital statistics data may result in significant discrepancies.

The general rules used in the classification of geographic and personal items for deaths and fetal deaths for 1989 appear in two NCHS instruction manuals (2,3). A discussion of the classification of certain important items is presented below.

#### **Classification by occurrence and residence**

Tabulations for the United States and specified geographic areas in this volume are classified by place of residence unless stated as by place of occurrence. Before 1970, resident mortality statistics for the United States included all deaths occurring in the United States with deaths of "nonresidents of the United States" assigned to place of death. "Deaths of nonresidents of the United States" refers to deaths that occur in the United States to nonresident aliens; nationals residing abroad; and residents of Puerto Rico, the Virgin Islands, Guam, and other territories of the United States. Beginning with 1970, "deaths of nonresidents of the United States" are not included in tables by place of residence.

Tables by place of occurrence, on the other hand, include deaths of residents and nonresidents of the United States. Consequently, for each year beginning with 1970, the total number of deaths in the United States by place of occurrence was somewhat greater than the total by place of residence. For 1989 this difference amounted to 3,393 deaths. Mortality statistics by place of occurrence are shown in tables 1-11, 1-19, 1-20, 1-30, 1-31, 1-32, 3-1, 3-6, 8-1, and 8-7.

Before 1970, except in 1964 and 1965, deaths of nonresidents of the United States occurring in the United States were treated as deaths of residents of the exact places of occurrence, which in most instances were urban areas. In 1964 and 1965 deaths of nonresidents of the United States occurring in the United States were allocated as deaths of residents of the balance of the county in which they occurred.

Residence error—Results of a 1960 study showed the classification of residence information on the death certificates corresponded closely to the residence classification of the census records for the decedents whose records were matched (4).

A comparison of the results of this study of deaths with those for a previous matched record study of births (5) showed the quality of residence data had improved considerably between 1950 and 1960. Both studies found that events in urban areas were overstated by the NCHS classification in comparison with the U.S. Bureau of the Census classification. The magnitude of the difference was substantially less for deaths in 1960 than it was for births in 1950.

The improvement is attributed to an item added in 1956 to the U.S. Standard Certificates of Birth and of Death, asking whether residence was inside or outside city limits. This new item aided in properly allocating the residence of persons living near cities but outside the corporate limits.

#### **Geographic classification**

The rules followed in the classification of geographic areas for deaths and fetal deaths are contained in the two instruction manuals referred to previously (2,3). The geographic codes assigned by the NCHS during data reduction of source information on birth, death, and fetal-death records are given in another instruction manual (6). Beginning with 1982 data, the geographic codes were modified to reflect results of the 1980 census. For 1970-81, codes are based on results of the 1970 census.

Standard metropolitan statistical areas—The standard metropolitan statistical areas (SMSA's) used in this volume are those established by the U.S. Office of Management and Budget (7) from final 1980 census population counts and used by the U.S. Bureau of the Census, except in the New England States.



An SMSA is a county or a group of contiguous counties containing a city of 50,000 inhabitants or more or an urbanized area of 50,000 with a total metropolitan population of at least 100,000, except in the New England States. In addition to the county or counties containing such a city or urbanized area, contiguous counties are included in an SMSA if, according to specified criteria, they are essentially metropolitan in character and are socially and economically integrated with the central city or urbanized area (8).

In the New England States, the U.S. Office of Management and Budget uses towns and cities rather than counties as geographic components of SMSA's. However, NCHS cannot use the SMSA classification for these States because its data are not coded to identify all towns. Instead, NCHS uses New England County Metropolitan Areas (NECMA's). Made up of county units, these areas are established by the U.S. Office of Management and Budget (8,9).

Metropolitan and nonmetropolitan counties—Independent cities and counties included in SMSA's or in NECMA's are included in data for metropolitan counties; all other counties are classified as nonmetropolitan.

Population-size groups—In 1989 vital statistics data for cities and certain other urban places were classified according to the population enumerated in the 1980 Census of Population. Specific data are available for each city or urban place with 10,000 or more population. Data for the remaining areas not separately identified are shown in the tables under the heading "balance of area" or "balance of county." For the years 1970-81, classification of areas was determined by the population enumerated in the 1970 Census of Population. Beginning with 1982 data, some urban places identified in previous reports were deleted and others were added because of changes occurring in the enumerated population between 1970 and 1980.

Urban places other than incorporated cities for which vital statistics data are shown in this volume include the following:

- Each town in the New England States, New York, and Wisconsin and each township in Michigan, New Jersey, and Pennsylvania that had no incorporated municipality as a subdivision and had either 25,000 inhabitants or more, or a population of 10,000 to 25,000 and a density of 1,000 persons or more per square mile.
- Each county in States other than those indicated above that had no incorporated municipality within its boundary and had a density of 1,000 persons or more per square mile. (Arlington County, Virginia, is the only county classified as urban under this rule.)
- Each place in Hawaii with a population of 10,000 or more, as there are no incorporated cities in the State.

Before 1964, places were classified as "urban" or "rural." The Technical Appendixes for earlier years discuss the previous classification system.

### **State or country of birth**

Mortality statistics by State or country of birth (table 1-36) became available beginning with 1979. State or country of birth of a decedent is assigned to 1 of the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, or Guam—if specified on the death certificate. The place of birth also is tabulated for Canada, Cuba, Mexico, and for the Remainder of the World. Deaths for which information on State or country of birth was unknown, not stated, or not classifiable accounted for a small proportion, about 1.2 percent, of all deaths in 1989.

Early mortality reports published by the U.S. Bureau of the Census contained tables showing nativity of parents as well as nativity of decedent. Publication of these tables was discontinued in 1933. Mortality data showing nativity of decedent were published again in annual reports for 1939-41 and for 1950.

### **Age**

The age recorded on the death record is the age at last birthday. With respect to the computation of death rates, the age classification used by the U.S. Bureau of the Census is based also on the age of the person in completed years.

For computation of age-specific and age-adjusted death rates, deaths with age not stated are excluded. For life table computation, deaths with age not stated are distributed proportionately.

### **Race**

For vital statistics in the United States for 1989, deaths are classified by race—white, black, American Indian, Chinese, Hawaiian, Japanese, Filipino, Other Asian or Pacific Islander, and Other. Mortality data for Filipino and Other Asian or Pacific Islander were shown for the first time in 1979.

The white category includes, in addition to persons reported as white, those reported as Mexican, Puerto Rican, Cuban, and all other Caucasians. The American Indian category includes American, Alaskan, Canadian, Mexican, Eskimo, and Aleut. If the racial entry on the death certificate indicates a mixture of Hawaiian and any other race, the entry is coded to Hawaiian. If the race is given as a mixture of white and any other race, the entry is coded to the appropriate nonwhite race. If a mixture of races other than white is given (except Hawaiian), the entry is coded to the first race listed. This procedure for coding the first race listed has been used since 1969. Before 1969, if the entry for race was a mixture of black and any other race except Hawaiian, the entry was coded to black.

Most of the tables in this volume, however, do not show data for this detailed classification by race. In all the tables, the divisions are white, all other (including black), and black separately.

Race not stated—For 1989 the number of death records for which race was unknown, not stated, or not classifiable was 4,499, or 0.2 percent of the total deaths. Death records with race entry not stated are assigned to a racial designation as follows: If the preceding record is coded white, the code assignment is made to white; if the code is other than white, the assignment is made to black. Before 1964 all records with race not stated were assigned to white except records of residents of New Jersey for 1962-64.

New Jersey, 1962-64—New Jersey omitted the race item from its certificates of live birth, death, and fetal death used in the beginning of 1962. The item was restored during the latter part of 1962. However, the certificate revision without the race item was used for most of 1962 as well as 1963. Therefore, figures by race for 1962 and 1963 exclude New Jersey. For 1964, 6.8 percent of the death records used for residents of New Jersey did not contain the race item.

Adjustments made in vital statistics to account for the omission of the race item in New Jersey for part of the certificates filed during 1962 through 1964 are described in the Technical Appendix of Vital Statistics of the United States for each of those data years.

### **Hispanic origin**

Mortality statistics for the Hispanic-origin population are based on information for those States and the District of Columbia that included items on the death certificate to identify Hispanic or ethnic origin of decedents. Data for 1989 were obtained from the District of Columbia and all States except Louisiana, New Hampshire, and Oklahoma.

Hispanic mortality data were published for the first time in 1984. Generally, the reporting States used items similar to one of two basic formats recommended by NCHS. The first format is directed specifically toward the Hispanic population and appears on the U.S. Standard Certificate of Death as follows:

Was decedent of Hispanic origin?  
(Specify No or Yes- If Yes, specify Cuban, Mexican,  
Puerto Rican, etc.)    \_\_\_ No                    \_\_\_ Yes  
Specify:

The second format is a more general ancestry item and appears as follows:

Ancestry- Mexican, Puerto Rican, Cuban, African,  
English, Irish, German, Homong, etc., (specify)

For 1989, mortality data in tables 1-37 and 2-19 are based on deaths to residents of all 47 reporting States and the District of Columbia. In tables 1-38, 1-43, and 1-44, mortality data for the Hispanic-origin population are based on deaths to residents of 44 reporting States and the District of Columbia whose data were at least 90 percent complete on a place-of-occurrence basis and considered to be sufficiently comparable to be used for analysis. The 44 states are Alabama, Alaska, Arizona, Arkansas, California, Colorado, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Jersey, New Mexico, New York (including New York City), North Carolina, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, West Virginia, Wisconsin, and Wyoming. Data for three States--Connecticut, Maryland, and Virginia--are excluded from tables 1-38, 1-43, and 1-44 because of the large proportion of deaths (in excess of 10 percent) occurring in these States for which Hispanic origin was not stated or was unknown.

In tables 2-20, 2-21, 2-22, and 2-23, the reporting areas are based on deaths to residents of 43 reporting States and the District of Columbia whose mortality data for all ages and whose live birth data were at least 90 percent complete on a place-of-occurrence basis and considered to be sufficiently comparable to be used for analysis. The 43 States are Alabama, Alaska, Arizona, Arkansas, California, Colorado, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Jersey, New Mexico, New York (including New York City), North Carolina, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, West Virginia, Wisconsin, and Wyoming. Data for Connecticut, Maryland, and Virginia were excluded for the reasons stated above. Rhode Island also was excluded because of the large proportion of unknown.

The 44 and 43 reporting States and the District of Columbia for which general mortality data are shown in this report accounted for about 97 percent of the Hispanic population in the United States in 1980. This included about 99 percent of the Mexican population, 94 percent of the Puerto Rican population, 97 percent of the Cuban population, and 94 percent of the "Other Hispanic" population (10).

Accordingly, some caution should be exercised in generalizing mortality patterns of reporting areas to the Hispanic-origin population of the entire United States. For qualifications regarding infant mortality of the Hispanic-origin population, see "Infant deaths."

### **Marital status**

Mortality statistics by marital status (tables 1-34 and 1-35) were published in 1979 for the first time since 1961. (They were previously published in the annual volumes for 1949-51 and 1959-61.) Several reports analyzing mortality by marital status have been published, including the special study based on 1959-61 data (11). Reference to earlier reports is given in the appendix of part B of the 1959-61 special study.

Mortality statistics by marital status are tabulated separately for never married, married, widowed, and divorced. Certificates in which the marriage is specified as being annulled are classified as never married. Where marital status is specified as separated or common-law marriage, it is classified as married. Of the 2,094,043 resident deaths 15 years of age and over in 1989, 20,709 certificates (1.0 percent) had marital status not stated.

### **Educational attainment**

Beginning with the 1989 data year, mortality data on educational attainment are being tabulated from information reported on the death certificate. As a result of the revision of the U.S. Standard Certificate of Death (1), this item was added to the certificates of a large number of States:

- Decedent's Education (specify only highest grade completed)  
Elementary/Secondary (0-12) College (1-4 or 5+)

Mortality data on educational attainment for 1989 are based on deaths to residents of 21 reporting States whose data were at least 90 percent complete on a place-of-occurrence basis. The 21 reporting States are Arizona, California, Colorado, Delaware, Florida, Hawaii, Idaho, Illinois, Iowa, Kansas, Michigan, Minnesota, Missouri, Montana, New Hampshire, Oregon, South Carolina, Utah, Vermont, Wisconsin, and Wyoming.

### **Place of death and status of decedent**

Mortality statistics classified by place of death were published in 1979 for the first time since 1958 (tables 1-30, 1-31, and 1-32). In addition, mortality data were also available for the first time in 1979 for the status of decedent when death occurred in a hospital or medical center. The 1989 data were obtained from the following two items appearing on the revised U.S. Standard Certificate of Death: (1)

- Item 9a. Place of Death (check only one)  
Hospital: Inpatient, ER/Outpatient, DOA  
Other: Nursing Home, Residence, Other (specify)

- Item 9b. Facility Name (If not institution, give street and number)

Before to the 1989 revision of the Standard Certificate of Death, information on place of death and status of decedent should be determined if the hospital or institution indicated Inpatient, Outpatient, ER, and DOA, and if the name of the hospital or institution, which was used to determine the type of facility, on the certificate. The change to a checkbox format in many states for this item may affect the comparability of data between 1989 and previous years.

Except for Oklahoma, all of the States (including New York City) and the District of Columbia have item 9 (or its equivalent) on their certificates. Louisiana's certificate was revised in 1989, but the computer system was not changed. Therefore, the same detail categories used in 1988 were used in 1989. As a result, not all categories, were available. For all reporting States and the District of Columbia in the Vital Statistics Cooperative Program, NCHS accepts the State definition, classification, or code for hospitals, medical centers, nursing homes, or other institutions.

Effective with data year 1980, the coding for place of death and status of decedent was modified. A new coding category was added: "Death on arrival--hospital, clinic, medical center name not given." Deaths coded to this category are tabulated in tables 1-30, 1-31, and 1-32. Had the 1979 coding categories been used, these deaths would have been tabulated as "Place unknown."

California—For the first five months of data year 1989, California coded "residence" to "other" for "Place of Death."

#### **Mortality by month and date of death**

Deaths by month have been tabulated regularly and published in the annual volume for each year beginning with data year 1900. For 1989 deaths by month are shown in tables 1-20, 1-21, 1-24, 1-33, 2-12, 2-13, 2-14, and 3-7.

Date of death was published for the first time for data year 1972. In addition, unpublished data for selected causes by date of death for 1962 are available from NCHS.

Numbers of deaths by date of death in this volume are shown in table 1-33 for the total number of deaths and for the numbers of deaths for the following three causes, for which the greatest interest in date of occurrence of death has been expressed: Motor vehicle accidents, Suicide, and Homicide and legal intervention.

These data show the frequency distribution of deaths for the selected causes by day of the week. They also make it possible to identify holidays with peak numbers of deaths from specified causes.

### **Report of autopsy**

Before 1972, the last year for which autopsy data were tabulated was 1958. Beginning in 1972, all registration areas requested information on the death certificates as to whether autopsies were performed. For 1989 autopsies were reported on 247,251 death certificates, 11.5 percent of the total (table 1-29).

Information indicating whether autopsy findings were used in determining the cause of death was tabulated for 1972-73 for all but nine registration areas and for 1974-77 for all but eight registration areas. The item "autopsy findings used" was deleted from the 1978 U.S. Standard Certificate of Death.

For eight of the cause-of-death categories shown in table 1-29, autopsies were reported as performed for 50 percent or more of all deaths (Meningococcal infection; Pregnancy with abortive outcome; Other complications of pregnancy, childbirth, and the puerperium; Symptoms, signs, and ill-defined conditions; Motor vehicle accidents; Suicide; Homicide and legal intervention; and All other external causes). There was one other category for which 40 percent or more of the death certificates reported autopsies. Autopsies were reported for only 7.3 percent of the Major cardiovascular diseases.

### **Cause of death**

Cause-of-death classification—Since 1949, cause-of-death statistics have been based on the underlying cause of death, which is defined as "(a) the disease or injury which initiated the train of events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury" (12).

For each death the underlying cause is selected from an array of conditions reported in the medical certification section on the death certificate. This section provides a format for entering the cause of death sequentially. The conditions are translated into medical codes through use of the classification structure and the selection and modification rules contained in the applicable revision of the International Classification of Diseases (ICD), published by the World Health Organization (WHO). Selection rules provide guidance for systematically identifying the underlying cause of death. Modification rules are intended to improve the usefulness of mortality statistics by giving preference to certain classification categories over others and/or to consolidate two or more conditions on the certificate into one classification category.

As a statistical datum, underlying cause of death is a simple, one-dimensional statistic; it is conceptually easy to understand and a well-accepted measure of mortality. It identifies the initiating cause of death and is therefore most useful to public health officials in developing measures to prevent the onset of the chain of events leading to death. The rules for selecting the underlying cause of death are included in ICD as a means of standardizing classification, which contributes toward comparability and uniformity in mortality medical statistics among countries.

Tabulation lists—Beginning with data year 1979, the cause-of-death statistics published by NCHS have been classified according to the Ninth Revision of the International Classification of Diseases (12). In addition to specifying that ICD-9 be used, WHO also recommends how the data should be tabulated to promote international comparability. The recommended system for tabulating data ICD-9 allows countries to construct their mortality and morbidity tabulation lists from the rubrics of the WHO Basic Tabulation List (BTL) if the rubrics from the WHO mortality and morbidity lists, respectively, are included. This tabulation system for the Ninth Revision is more flexible than that for the Eighth Revision, in which specific lists were recommended for tabulating mortality and morbidity data.

The BTL recommended under the Ninth Revision consists of 57 two-digit rubrics that when added equal the "all causes" total. Identified within each two-digit rubric are up to nine three-digit rubrics that are numbered from zero to eight and whose total does not equal the two-digit rubric.

The two-digit BTL rubrics 01 through 46 are used for the tabulation of nonviolent deaths according to ICD categories 001-799. Rubrics relating to chapter 17 (nature-of-injury causes 47 through 56) are not used by NCHS for selecting underlying causes of death; rather, preference is given to rubrics E47 through E56. The 57th two-digit rubric VO is the Supplementary Classification of Factors Influencing Health Status and Contact with Health Services and is not appropriate for the tabulation of mortality data. The WHO Mortality List, a subset of the titles contained in the BTL, consists of 50 rubrics that are the minimum necessary for the national display of mortality data.

Five lists of causes have been developed for tabulation and publication of mortality data in this volume—the Each-Cause List, List of 282 Selected Causes of Death, List of 72 Selected Causes of Death, List of 61 Selected Causes of Infant Death, and List of 34 Selected Causes of Death. These lists were designed to be as comparable as possible with the NCHS lists more recently used under the Eighth Revision. However, complete comparability could not always be achieved.



The Each-Cause List is made up of each three-digit category of the WHO Detailed List to which deaths may be validly assigned and most four-digit subcategories. The list is used for tabulation for the entire United States. The published Each-Cause table does not show the four-digit subcategories provided for Motor vehicle accidents (E810-E825); however, these subcategories that identify persons injured are shown in the accident tables of this report (section 5). Special fifth-digit subcategories also are used in the accident tables to identify place of accident when deaths from nontransport accidents are shown. These are not shown in the Each-Cause table.

The List of 282 Selected Causes of Death is constructed from BTL rubrics 01-46 and E47-E56. Each of the 56 BTL two-digit titles can be obtained either directly or by combining titles in the List. The three-digit level of the BTL is modified more extensively. Where more detail was desired, categories not shown in the three-digit rubrics were added to the List of 282 Selected Causes of Death. Where less detail was needed, the three-digit rubrics were combined. Moreover, each of the 50 rubrics of the WHO Mortality List can be obtained from the List of 282 Selected Causes of Death.

The List of 72 Selected Causes of Death was constructed by combining titles in the List of 282 Selected Causes of Death. It is used in tables published for the United States and each State, and for standard metropolitan statistical areas.

The List of 61 Selected Causes of Infant Death shows more detailed titles for Congenital anomalies and Certain conditions originating in the perinatal period than any other list except the Each-Cause List.

The List of 34 Selected Causes of Death was created by combining titles in the List of 72 Selected Causes. A table using this list is published for detailed geographic areas.

Beginning with data for 1987, changes were made in these lists to accommodate the introduction in the United States of new category numbers \*042-\*044 for Human immunodeficiency virus infection. The changes are described in the Technical Appendix from Vital Statistics for the United States, 1987.

Effect of list revisions—The International Lists or adaptations of them, used in the United States since 1900, have been revised approximately every 10 years so the disease classifications may be consistent with advances in medical science and with changes in diagnostic practice. Each revision of the International Lists has produced some break in comparability of cause-of-death statistics. Cause-of-death statistics beginning with 1979 are classified by NCHS according to the ICD-9 (12). For a discussion of each of the classifications used with death statistics since 1900, see the Technical Appendix from Vital Statistics of the United States, 1979, Volume II, Mortality, Part A, section 7, pages 9-14.

A dual coding study was undertaken comparing the Ninth and the Eighth Revisions to measure the extent of discontinuity in cause-of-death statistics resulting from introducing the new Revision. A study for the List of 72

Selected Causes of Death and the List of 10 Selected Causes of Infant Death has been published (13). The List of 10 Selected Causes of Infant Death is a basic NCHS tabulation list not used in this volume but used for provisional data in the Monthly Vital Statistics Report, another NCHS publication. Comparability studies also were undertaken between the Eighth and Seventh, Seventh and Sixth, and Sixth and Fifth Revisions. For additional information about these studies, see the 1979 Technical Appendix previously mentioned.

Significant coding changes under the Ninth Revision—Since the implementation of ICD-9 in the United States, effective with mortality data for 1979, several coding changes have been introduced. The more important changes are discussed below. In early 1983, a change was made in the coding of acquired immunodeficiency syndrome (AIDS) and human immunodeficiency virus (HIV) infection, which affected data from 1981 to 1986. Also effective with data year 1981 was a coding change for poliomyelitis. For data year 1982, the definition of child was changed (which affects the classification of deaths to a number of categories, including Child battering and other maltreatment), and guidelines for coding deaths to the category Child battering and other maltreatment (ICD No. E967) were changed also. During the calendar year 1985, detailed instructions for coding motor vehicle accidents involving all-terrain vehicles (ATV's) were implemented to ensure consistency in coding these accidents. Effective with data year 1986, "primary" and "invasive" tumors, unspecified were classified as "malignant;" these neoplasms had previously been classified to Neoplasms of unspecified nature (ICD-9 No. 239).

Beginning with data for 1987, NCHS introduced new category numbers \*042-\*044 for classifying and coding HIV infection, formerly referred to as human T-cell lymphotropic virus-III/lymphadenopathy associated virus (HTLV-III/LAV) infection. The asterisk appearing before the category numbers indicates these codes are not part of ICD-9. Also changed effective with data year 1987 were coding rules for the conditions "dehydration" and "disseminated intravascular coagulopathy." Effective with data year 1988 minor content changes were made to the classification for HIV infection. Detailed discussion of these changes may be found in the Technical Appendix for previous volumes.

Coding in 1989—The rules and instructions used in coding the 1989 mortality medical data remained essentially the same as those used for the 1988 data.

Medical certification—The use of a standard classification list, although essential for State, regional, and international comparison, does not ensure strict comparability of the tabulated figures. A high degree of comparability among areas could be attained only if all records of cause of death were reported with equal accuracy and completeness. The medical certification of cause of death can be made only by a qualified person, usually a physician, a medical examiner, or a coroner. Therefore, the reliability and accuracy of cause-of-death statistics are, to a large extent, governed by the ability of the certifier to make the proper diagnosis and by the care with which he or she records this information on the death certificate.

A number of studies have been undertaken on the quality of medical certification on the death certificate. In general, these have been of relatively small samples and for limited geographic areas. A bibliography prepared by NCHS (14), covering 128 references over 23 years, indicates no definitive conclusions have been reached about the quality of medical certification on the death certificate. No country has a well-defined program for systematically assessing the quality of medical certifications reported on death certificates or for measuring the error effects on the levels and trends of cause-of-death statistics.

One index of the quality of reporting causes of death is the proportion of death certificates coded to the Ninth Revision Chapter XVI, Symptoms, signs, and ill-defined conditions (ICD-9 Nos. 780-799). Although deaths for which it is impossible to determine the underlying cause, this proportion indicates the care and consideration given to the certification by the medical certifier. This proportion also may be used as a rough measure of the specificity of the medical diagnoses made by the certifier in various areas. In 1989 a record low of 1.3 percent of all reported deaths in the United States was assigned to this category compared with 1.4 for 1988. However, trends in the percent of deaths assigned to this category vary by age. Although the percent of deaths in this category for all ages combined has generally remained stable between 1980 and 1988, a slight increase in the percent occurred for the age group 5-14 years and a decrease occurred for all the age groups 55 years and over. However, between 1988 and 1989, the percent decreased for almost all age groups.

Automated selection of underlying cause of death—Beginning with data year 1968, NCHS began using a computer system for assigning the underlying cause of death. It has been used every year since. The system is called "Automated Classification of Medical Entities" (ACME).

The ACME system applies the same rules for selecting the underlying cause as would be applied manually by a nosologist; however, under this system, the computer consistently applies the same criteria, thus eliminating intercoder variation in this step of the process.

The ACME computer program requires the coding of all conditions shown on the medical certification. These codes are matched automatically against decision tables that consistently select the underlying cause of death for each record according to the international rules. The decision tables provide the comprehensive relationships among the conditions classified by ICD when applying the rules of selection and modification.

The decision tables were developed by NCHS staff on the basis of their experience in coding underlying causes of death under the earlier manual coding system and as a result of periodic independent validations. These tables are periodically updated to reflect additional new information on the relationship among medical conditions. For data year 1988 these tables were amended to incorporate minor changes to the previously mentioned classification for Human immunodeficiency virus infection (\*042-\*044) that had originally been implemented with data year 1987. Coding procedures for selecting the underlying cause of death by using the ACME computer program, as well as by using the ACME decision tables, are documented in NCHS instruction manuals (15-17).

Cause-of-death ranking—Cause-of-death ranking (except for infants) is based on numbers of deaths assigned to categories in the List of 72 Selected Causes of Death and the category Human immunodeficiency virus infection (HIV infection) (\*042-\*044); cause-of-death ranking for infants is based on the List of 61 Selected Causes of Infant Death and HIV infection. HIV infection was added to the list of rankable causes effective with data year 1987.

The group titles Major cardiovascular diseases and Symptoms, signs, and ill-defined conditions from the List of 72 Selected Causes of Death are not ranked; Certain conditions originating in the perinatal period and Symptoms, signs, and ill-defined conditions from the List of 61 Selected Causes of Infant Death are not ranked. In addition, category titles that begin with the words "Other" or "All other" are not ranked to determine the leading causes of death. When one of the titles that represents a subtotal is ranked (such as Tuberculosis), its component parts (in this case, Tuberculosis of respiratory system and Other tuberculosis) are not ranked.

### Maternal deaths

Maternal deaths are those for which the certifying physician has designated a maternal condition as the underlying cause of death. Maternal conditions are those assigned to Complications of pregnancy, childbirth, and the puerperium (ICD-9 Nos. 630-676). In the Ninth Revision, WHO for the first time defined a maternal death as follows:

A maternal death is defined as the death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management but not from accidental or incidental causes.

Under the Eighth Revision, maternal deaths were assigned to the category "Complications of pregnancy, childbirth, and the puerperium" (ICDA-8 Nos. 630-678). Although WHO did not define maternal mortality, there was an NCHS classification rule that limited a maternal death to a death within a year after termination of pregnancy from any "maternal cause," that is, any cause within the range of ICDA-8 Nos. 630-678. This rule applied only if a duration of time for the condition was given. If no duration was specified and the underlying cause of death was a maternal condition, then the duration was assumed to be within a year and the death was coded by NCHS as a maternal death. The change from an under-1-year limitation on duration used in the Eighth Revision to an under-42-days limitation used in the Ninth Revision did not have much effect on the comparability of maternal mortality statistics. However, comparability was affected by the following classification change. Under the Ninth Revision, maternal causes have been expanded to include Indirect obstetric causes (ICD-9 Nos. 647-648). These causes include Infective and parasitic conditions as well as other conditions present in the mother classifiable elsewhere but that complicate pregnancy, childbirth, and the puerperium, such as Syphilis, Tuberculosis, Diabetes mellitus, Drug dependence, and Congenital cardiovascular disorders.

Maternal mortality rates are computed on the basis of the number of live births. The maternal mortality rate indicates the likelihood that a pregnant woman will die of maternal causes. The number of live births used in the denominator is an approximation of the population of pregnant women who are at risk of a maternal death.

Race—Beginning with the 1989 data year, NCHS has changed the method of tabulating live birth and fetal death data by race from race of child to race of mother. This has resulted in a discontinuity in maternal mortality rates by race between 1989 and previous years; see section on "Change in race classification for live births and fetal deaths", under Infant deaths.

### **Infant deaths**

Age—Infant death is defined as a death under 1 year of age. The term excludes fetal deaths. Infant deaths are usually divided into two categories according to age, neonatal and postneonatal. Neonatal deaths are those that occur during the first 27 days of life; postneonatal deaths are those that occur between 28 days and 1 year of age. It has generally been believed that different factors influencing the child's survival predominate in these two periods: Factors associated with prenatal development,

heredity, and the birth process were considered dominant in the neonatal period; environmental factors, such as nutrition, hygiene, and accidents, were considered more important in the postneonatal period. Recently, however, the distinction between these two periods has blurred due in part to advances in neonatology, which have enabled more very small premature infants to survive the neonatal period.

Rates—Infant mortality rates shown in sections 2 and 8 are the most commonly used indices for measuring the risk of dying during the first year of life; they are calculated by dividing the number of infant deaths in a calendar year by the number of live births registered for the same period and are presented as rates per 1,000 or per 100,000 live births. Infant mortality rates use the number of live births in the denominator to approximate the population at risk of dying before the first birthday. This measure is an approximation because some live births will not have been exposed to a full year's risk of dying and some of the infants who die during a year will have been born in the previous year. The error introduced in the infant mortality rate by this inexactness is usually small, especially when the birth rate is relatively constant from year to year (18,19). Other sources of error in the infant mortality rate have been attributed to differences in applying the definitions for infant death and fetal death when registering the event (20,21).

In contrast to infant mortality rates based on live births, infant death rates shown in Section 1 are based on the estimated population under 1 year of age. Infant death rates, which appear in tabulations of age-specific death rates, are calculated by dividing the number of infant deaths in a calendar year by the estimated midyear population of persons under 1 year of age and are presented as rates per 100,000 population in this age group. Patterns and trends in the infant death rate may differ somewhat from those of the more commonly used "infant mortality rate," mainly because of differences in the nature of the denominator and in the time reference period. Whereas the population denominator for the infant death rate is estimated using data on births, infant deaths, and migration for the 12-month period of July through June, the denominator for the infant mortality rate is a count of births occurring during the 12 months of January through December. The difference in the time reference period can result in different trends between the two indices during periods when birth rates are moving up or down markedly.

The infant death rate is also subject to greater imprecision than is the infant mortality rate because of problems of enumerating and estimating the population under 1 year of age (21).

#### **Race**

Change in tabulation of race data for live births and fetal deaths—Beginning with the 1989 data year, NCHS has changed the method of tabulating live birth and fetal death data by race from race of child to race of mother. This results in infant, fetal, perinatal, and maternal mortality rates for 1989 that are not comparable with those published

for previous years, because live births comprise the denominator of these rates. To facilitate continuity and ease of interpretation, key published tables for 1989 and 1990, including all trend tables, will show data computed on the basis of live births and fetal deaths tabulated by both race of mother and race of child. This will make it possible to distinguish the effects of this change from real changes in the data.

As in previous years, race for infant and maternal deaths (the numerator of the rate) is tabulated by the race of the decedent. For fetal and perinatal mortality rates, both the numerator and the denominator of the rates are affected, since the change to race of mother affects both fetal deaths and live births.

As noted in detail in the Technical Appendix to Vital Statistics of the United States, 1989, Vol. I, Natality, data on live births and fetal deaths are being tabulated by the race of the mother. When the race of the mother is unknown, the race of the mother is assigned to the father's race; when information for both parents is missing, the race of the mother is assigned to the specific race of the mother of the preceding record with known race. In previous years, birth and fetal death tabulations were by race of child, as determined statistically by an algorithm based on information reported for the mother and father. Briefly, in cases of mixed parentage where only one parent was white, the child was assigned to the other parent's race. When neither parent was white, the child was assigned the race of the father, except if either parent was Hawaiian, the child was assigned to Hawaiian. If race was not reported for one parent, the child was assigned the race of the parent for whom race was given.

The change in the tabulation of live births and fetal deaths by race reflects three factors over the past two decades: the topical content of the birth certificate has been expanded to include considerable health and demographic information related to the mother, the increasing incidence of interracial parentage, and the growing proportion of births for which the race of the father is not reported.

Quantitatively, the change in the basis for tabulating live births and fetal deaths by race results in more white births and fetal deaths and fewer to the black population and to other races. As a consequence, infant, fetal, perinatal, and maternal mortality rates under the new classification tend to be lower for white infants and higher for infants of other races (Table A). In general, discontinuities are larger for infant and maternal mortality rates, where only the denominator of the rate is affected by the change, than for fetal and perinatal mortality rates, where both the numerator and the denominator are affected. For some minority race groups, the effect of the change is quite large.

The change in the race classification of live births and fetal deaths presents challenges to those analyzing infant, fetal, perinatal, and maternal mortality data, particularly trend data. To facilitate analysis of infant mortality by race, reports will be prepared showing historic data tabulated by race of mother.

Comparison of race data from birth and death certificates

—Regardless of whether vital events are tabulated by race of mother or by race of child, there are inconsistencies in reporting race for the same infant between birth and death certificates, based on results of studies in which race on the birth and death certificates for the same infant were compared (22).

These reporting inconsistencies can result in systematic biases in infant mortality rates by specified race, in particular, under-estimates for specified races other than white or black. In the computation of race-specific infant mortality rates published in Vital Statistics of the United States, the race item for the numerator comes from the death certificate, and for the denominator, from the birth certificate. Biases in the rates may arise because of possible inconsistencies in reporting race on these two vital records. Race of the mother and father is reported on the birth certificate by the mother at the time of delivery; whereas race of the deceased infant is reported on the death certificate by the funeral director based on observation or on information supplied by an informant, such as a parent. Previous studies have noted that the race of an infant who died and was of a smaller minority race group to sometimes be reported as white on the death certificate, but as of the minority race on the birth certificate, resulting, in the aggregate, in understatement of infant mortality for smaller race groups (22).

Estimates can be made of the degree of bias in race-specific infant mortality rates by comparing rates for birth cohorts based on the newly-available linked birth and infant death data set (23,24) with period rates based on mortality data published in Vital Statistics of the United States (VSUS) for the same year(s). In this comparison, cohorts rates are based entirely on the linked data set while period rates are constructed using a numerator (infant deaths) based on mortality data published in VSUS and a denominator (live births) based on the linked data set.

The comparison of cohort and period rates is somewhat affected by small differences in the events included in the numerators of the two rates. The numerator of the cohort rate is comprised of infant deaths to the cohort of infants born in a calendar year whereas the numerator of the period rate is comprised of infant deaths that occur in the calendar year.



Based on comparing infant mortality rates from the linked data set for the birth cohorts of 1984-85 with period rates constructed for 1984-85, bias in the rates for the two major race groups—white and black—is small (Table B). In contrast, period rates for the smaller race groups are estimated to be lower than cohort rates by 10 to 50 percent. Cohort rates have not been adjusted to reflect the approximately 2 percent of infant death records that were not linked to their corresponding birth records. Because of systematic understatement of infant mortality rates based on period data, one should use data from the national linked files to measure infant mortality for these groups. For the major race groups, period data are a close approximation of the rates based on linked files.

Hispanic origin—Infant mortality rates for the Hispanic-origin population are based on numbers of resident infant deaths reported to be of Hispanic origin (see section "Hispanic origin") and numbers of resident live births by Hispanic origin of mother for the 43 reporting States and the District of Columbia. In computing infant mortality rates, deaths and live births of unknown origin are not distributed among the specified Hispanic and non-Hispanic groups. Because the percent of infant deaths of unknown origin for 1989 was 2.6 percent and the percent of live births of unknown origin was 1.1 percent, infant mortality rates by specified Hispanic origin and race for non-Hispanic origin are underestimated.

In addition, as discussed above for specified races, period infant mortality rates for specific Hispanic-origin groups tend to be underestimated when compared with rates based on the national linked birth and infant death data set as shown in Table C. Comparisons are also affected by the approximate 2 percent of infant death records that are not linked to their corresponding birth record.

Caution should be exercised when generalizing from the ratios of cohort-to-period rates for 1986 with data for 1989, because the reporting area for Hispanic data has expanded from 18 reporting States and the District of Columbia in 1986 to 43 reporting States and the District of Columbia in 1989. The Hispanic reporting area for 1986 included: Arizona, Arkansas, California, Colorado, District of Columbia, Georgia, Hawaii, Illinois, Indiana, Kansas, Mississippi, Nebraska, New Jersey, New York, North Dakota, Ohio, Texas, Utah and Wyoming.

Small numbers of infant deaths for specific Hispanic-origin groups can result in infant mortality rates subject to relatively large random variation (see section "Random variation in numbers of deaths, death rates, and mortality rates and ratios").

Tabulation list—Causes of death for infants are tabulated according to a list of causes that is different from the list of causes for the population of all ages, except for the Each Cause List. (See section "Cause-of-death classification.")

California—From 1985 to 1988, data on age at death for California, were biased in the categories 1-23 hours and 1 day because of processing errors that affected selected infants who died within 24 hours after birth. Specifically, some infants who died within 1-23 hours of birth were erroneously coded as dying at 1 day after birth.

Beginning with 1985 data, California provided NCHS with computer tapes of precoded mortality data through the Vital Statistics Cooperative Program (VSCP); whereas prior to 1985, data from the State of California were based on information coded by NCHS from copies of original death certificates. The effect of these errors on national data, for the years 1985-88 shown in table 2-3 is negligible. The problem has been identified and corrected for 1989 and subsequent years.

**Fetal deaths**

In May 1950 the World Health Organization (WHO) recommended that the following definition of fetal death be adopted for international use:

Death prior to the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy; the death is indicated by the fact that after such separation, the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles (25).

The term "fetal death" was defined on an all-inclusive basis to end confusion arising from the use of such terms as stillbirth, spontaneous abortion, and miscarriage.

Shortly thereafter, this definition of fetal death was adopted by the National Center for Health Statistics (NCHS) as the nationally recommended standard. Currently all registration areas except Puerto Rico have definitions similar to the standard definition (26). Puerto Rico has no formal definition.

As another step toward increasing the comparability of data on fetal deaths for different countries, WHO recommended that for statistical purposes fetal deaths be classified as early, intermediate, and late. These groups are defined as follows:

- Less than 20 completed weeks of gestation (early fetal deaths)..... Group I
- 20 completed weeks of gestation but less than 28 (intermediate fetal deaths)..... Group II
- 28 completed weeks of gestation and over (late fetal deaths)..... Group III
- Gestation period not classifiable in groups I, II, and III.....Group IV

Note that in table 3-11, group IV consists of fetal deaths with gestation not stated but presumed to be 20 weeks or more.

Until 1939 the nationally recommended procedure for registration of a fetal death required the filing of both a live-birth and a death certificate. In 1939 a separate Standard Certificate of Stillbirth (fetal death) was created to replace the former procedure. This was revised in 1949, 1955, 1956, 1968, 1978, and 1989. The 1989 U.S. Standard Report of Fetal Death is shown in figure 7-B.

The 1977 revision of the Model State Vital Statistics Act and Model State Vital Statistics Regulations (27) recommended spontaneous fetal deaths at a gestation of 20 weeks or more or a weight of 350 grams or more and all induced terminations of pregnancy regardless of gestational age be reported and further be reported on separate forms. These forms are to be considered legally required statistical reports rather than legal documents.

Beginning with 1970 fetal deaths, procedures were implemented that attempted to separate reports of spontaneous fetal deaths from those of induced terminations of pregnancy. These procedures were implemented because the health implications of spontaneous fetal deaths are different from those of induced terminations of pregnancy. These procedures are still used.

Comparability and completeness of data—Registration area requirements for reporting fetal deaths vary. Most of these areas require reporting of fetal death at gestations of 20 weeks or more. Table D shows the minimum period of gestation required by each State to report fetal death. Substantial evidence exists that indicates some fetal deaths for which reporting is required are not reported (28).

Underreporting of fetal deaths is most likely to occur in the earlier part of the required reporting period for each State. Thus, for States requiring reporting of all periods of gestation, fetal deaths occurring at younger gestational ages are less completely reported. The reporting of fetal deaths at 20-23 weeks of gestation may be more complete for those States that report fetal deaths at all periods of gestation than for others.

To maximize the comparability of data by year and by State, most of the tables in section 3 are based on fetal deaths occurring at gestations of 20 weeks or more. These tables also include fetal deaths for which gestation is not stated for those States requiring reporting at 20 weeks or more gestation only. Beginning with 1969, fetal deaths of not stated gestation were excluded for States requiring reporting of all products of conception except for those with a stated birth weight of 500 grams or more. In 1989 this rule was applied to the following States: Georgia, Hawaii, New York (including New York City), Rhode Island, and Virginia. Each year there are some exceptions to this procedure.

Arkansas—Since 1971, Arkansas has been using two reporting forms for fetal deaths: A confidential Spontaneous Abortion form that is not sent to the National Center for Health Statistics (NCHS) and a Fetal Death Certificate that is. During the period 1971 through 1980, it is believed that most spontaneous fetal deaths of less than 20 weeks' gestation were reported on the confidential form and, therefore, were not reported to NCHS. During the period 1981 through 1983, Arkansas specified that fetal deaths of less than 28 weeks' gestation or weighing less than 1,000 grams could be reported on the confidential form; beginning with 1984 data, the State specified that fetal deaths of 20 weeks' gestation or weighing 500 grams be reported on the Fetal Death Certificate. Because of these changes, the comparability of counts of early fetal deaths may be affected. In particular, counts of fetal deaths at 20 to 27 weeks for 1981-83 were not comparable between Arkansas and other reporting areas or with Arkansas data for 1984-89. It is believed that reporting has improved but is still not comparable with data for 1980 and earlier years.

Colorado—While Colorado State law requires reporting fetal deaths of all periods of gestation, beginning in 1989, the State only provides to NCHS data for fetal deaths of 20 weeks gestation or more.

Maine—Maine uses two reporting forms for fetal deaths: A Report of Abortion (Spontaneous and Induced) and a Report of Fetal Death. Most spontaneous fetal deaths at less than 20 weeks' gestation are reported on the Report of Abortion, and, therefore, are excluded from fetal death counts in this volume.

Maryland—From the counts of frequencies by month, it appears that not all fetal deaths occurring in the first quarter of 1989 were reported. This may account in part for the decrease in the reported number of fetal deaths and in fetal mortality rates for Maryland between 1988 and 1989.

Wisconsin—Beginning in 1986, Wisconsin changed its reporting requirements for spontaneous fetal deaths from "20 weeks" to "20 weeks or 350 grams."

Revised Report of Fetal Death for 1989—Beginning with data for 1989, new items were added to the U.S. Standard Report of Fetal Death, including Hispanic origin of the mother and father, medical and other risk factors of pregnancy, obstetric procedures, and method of delivery. In addition, questions on complications of labor and delivery and congenital anomalies of fetus were changed from an open-ended to a checkbox format, to ensure more complete reporting of information. However, because of differences in implementation dates of the new fetal death report between States, and because of inexperience in reporting and processing the new items, reporting of the new items in individual States may not be complete for 1989. The data quality and completeness of many of these items are being evaluated.

Period of gestation—The period of gestation is the number of completed weeks elapsed between the first day of the last normal menstrual period (LMP) and the date of delivery. The first day of the LMP is used as the initial date because it can be more accurately determined than the date of conception, which usually occurs 2 weeks after LMP. Data on period of gestation are computed from information on "date of delivery" and "date last normal menses began." If "date last normal menses began" is not on the record or if the calculated gestation falls beyond a duration considered biologically plausible, the "Physician's estimate of gestation" is used.

To improve data quality, beginning with data for 1989, NCHS instituted a new computer edit to check for consistency between gestation and birth weight (29). Briefly, if LMP gestation is inconsistent with birth weight, and the physician's estimate is consistent, the physician's estimate is used; if both are inconsistent, LMP gestation is used, and birth weight is assigned to unknown. When the period of gestation is reported in months on the report, it is allocated to gestational intervals in weeks as follows:

- 1 - 3 months to under 16 weeks
- 4 months to 16 - 19 weeks
- 5 months to 20 - 23 weeks
- 6 months to 24 - 27 weeks
- 7 months to 28 - 31 weeks
- 8 months to 32 - 35 weeks
- 9 months to 40 weeks
- 10 months and over to 43 weeks and over

All areas reported LMP in 1989 except Puerto Rico, and all areas reported physician's estimate of gestation except California, the District of Columbia, Louisiana, Maryland, and Oklahoma. Nebraska was also excluded because of the large proportion of unknown.

Birth weight—Most of the 55 registration areas do not specify how weight should be given, that is, in pounds and ounces or in grams. In the tabulation and presentation of birth weight data, the metric system (grams) has been used to facilitate comparison with other data published in the United States and internationally. Birth weight specified in pounds and ounces is assigned the equivalent of the gram intervals, as follows:

Less than 350 grams	=	0 lb	12 oz	or less
350 - 499 grams	=	0 lb	13 oz	- 1 lb 1 oz
500 - 999 grams	=	1 lb	2 oz	- 2 lb 3 oz
1,000 - 1,499 grams	=	2 lb	4 oz	- 3 lb 4 oz
1,500 - 1,999 grams	=	3 lb	5 oz	- 4 lb 6 oz
2,000 - 2,499 grams	=	4 lb	7 oz	- 5 lb 8 oz
2,500 - 2,999 grams	=	5 lb	9 oz	- 6 lb 9 oz
3,000 - 3,499 grams	=	6 lb	10 oz	- 7 lb 11 oz
3,500 - 3,999 grams	=	7 lb	12 oz	- 8 lb 13 oz
4,000 - 4,499 grams	=	8 lb	14 oz	- 9 lb 14 oz
4,500 - 4,999 grams	=	9 lb	15 oz	- 11 lb 0 oz
5,000 grams or more	=	11 lb	1 oz	or more

With the introduction of ICD-9, the birth-weight classification intervals for perinatal mortality statistics were shifted downward by 1 gram, as shown above. Previously, the intervals were, for example, 1,001-1,500; 1,501-2,000; and so forth. Beginning in 1989, NCHS instituted a consistency check between birth weight and gestation; see previous section on gestation.

Race—Beginning with data for 1989, NCHS changed the method of tabulating fetal death, perinatal, and live birth data by race from race of child to race of mother. This has resulted in a discontinuity in fetal mortality rates by race between 1989 and previous years; see section on "Change in race classification for live births and fetal deaths", under Infant deaths.

Hispanic origin of mother—Fetal mortality data for the Hispanic-origin population are based on fetal deaths to mothers of Hispanic origin who were residents of those States and the District of Columbia that included items on the report of fetal death to identify Hispanic or ethnic origin of mother. Data for 1989 were obtained from 44 States; areas not supplying data were the District of Columbia, Louisiana, Maryland, Massachusetts, New Hampshire, Oklahoma, and Rhode Island.

For 1989, fetal and perinatal mortality data in table 3-19 are for a reporting area of 44 States and tables 3-20, 4-6 and 4-7 are for a reporting area of 31 States that had an item on Hispanic or ethnic origin on the death certificate, birth certificate, and report of fetal death, and whose data for all three files were at least 90 percent complete on a place-of-occurrence basis and considered to be sufficiently comparable to be used for analysis. The States included are Alabama, Arizona, Arkansas, California, Colorado, Florida, Georgia, Hawaii, Idaho, Illinois, Iowa, Kansas, Kentucky, Minnesota, Mississippi, Missouri, Nebraska, Nevada, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, West Virginia, Wisconsin, and Wyoming.

The 31 reporting States for which fetal and perinatal data by Hispanic origin are shown accounted for about 75 percent of the Hispanic population in 1980, including 92 percent of the Mexican population, 27 percent of the Puerto Rican population, 75 percent of the Cuban population, and 57 percent of the "Other Hispanic" population (10). Accordingly, caution should be exercised in generalizing mortality patterns from the reporting area to the Hispanic-origin population (especially Puerto Ricans) of the entire United States. (See also section on Hispanic origin under Classification of Data).

Total-birth order—Total-birth order refers to the sum of the live births and other terminations (including both spontaneous fetal deaths and induced terminations of pregnancy) that a woman has had, including the fetal death being recorded. For example, if a woman has previously

given birth to two live babies and to one born dead, the next fetal death to occur is counted as number four in total-birth order.

Beginning with implementation of the 1989 revision of the U. S. Standard Report of Fetal Death, total-birth order is calculated from three items on pregnancy history: Number of previous live births, now living; number of previous live births, now dead; and number of other terminations (spontaneous and induced at anytime after conception). For prior years, total-birth order was calculated from four items, see the Technical Appendix From Vital Statistics of the United States 1988, Volume II, Mortality, Part A.

Although all registration areas use the two standard items pertaining to number of previous live births, registration areas phrase the item on pertaining to other terminations of pregnancy differently. Total-birth order for all areas is calculated from the sum of available information. Thus, information on total-birth order may not be completely comparable among the registration areas. In addition, there may be substantial underreporting of other terminations of pregnancy on the fetal death report.

Marital status—Table 3-3 shows fetal deaths and fetal-death rates by mother's marital status. The following states were excluded from this table because their report of fetal death did not include an item on marital status: California, Connecticut, Maryland, Michigan, Nevada, New York (including New York City), Ohio, and Texas. Because live births comprise the denominator of the rate, marital status must also be reported for mothers of live births. Marital status of the mother of the live birth is inferred for States that did not report it on the birth certificate.

Beginning with data for 1989, fetal deaths with marital status not stated are shown as not stated in frequencies, but are proportionally distributed for rate computations into either the married or unmarried categories according to the percent of fetal deaths with stated marital status that fall into each category. Prior to 1989, fetal deaths with not-stated marital status were assigned to the married category. Because of this change, fetal death frequencies and rates by marital status for 1989 are not strictly comparable with those for previous years.

No quantitative data exist on the characteristics of unmarried women who do not report, misreport their marital status or fail to register fetal deaths. Underreporting may be greater for the unmarried group than for the married group.

Age of mother—Beginning with data for 1989, the U.S. Standard Report of Fetal Death asks for the mother's date of birth. Age of mother is computed from the mother's date of birth and the date of the termination of the pregnancy. For

those States whose certificates do not contain an item on the mother's date of birth, reported age of the mother (in years) is used. The age of the mother is edited in NCHS for upper and lower limits. When mothers are reported to be under 10 years of age or 50 years of age and over, the age of the mother is considered not stated and is assigned as follows: Age on all fetal-death records with age of mother not stated is assigned according to the age appearing on the record previously processed for a mother of identical race and having the same total-birth order (total of live births and other terminations).

Sex of fetus—Beginning with data for 1989, for all fetal deaths of 20 or more weeks gestation, not-stated sex of fetus is assigned the sex of the fetus from the previous record. Prior to 1989, no such assignment was made.

Plurality—All registration areas except Louisiana report the plurality of the fetus. Although Louisiana has not reported this item for many years, prior to 1989, data for Louisiana was erroneously converted to a plurality of 1 (single birth), and included in United States totals. Beginning 1989, Louisiana is excluded from tables reporting plurality of the fetus. For reporting areas, not-stated plurality of the fetus is assigned to single births.

#### Perinatal mortality

Perinatal definitions—Beginning with data year 1979, perinatal mortality data for the United States and each State have been published in section 4. WHO recommends, in ICD-9 "national perinatal statistics should include all fetuses and infants delivered weighing at least 500 grams (or when birth weight is unavailable, the corresponding gestational age (22 weeks) or body length (25 cm crown-heel)), whether alive or dead..." It further recommends that "countries should present, solely for international comparisons, 'standard perinatal statistics' in which both the numerator and denominator of all rates are restricted to fetuses and infants weighing 1,000 grams or more (or, where birth weight is unavailable, the corresponding gestational age (28 weeks) or body length (35 cm crown-heel))." Because birth weight and gestational age are not reported on the death certificate in the United States, NCHS was unable to adopt these definitions. Three definitions of perinatal mortality are currently used by NCHS: Perinatal Definition I, generally used for international comparisons, which includes fetal deaths of 28 weeks' gestation or more and infant deaths of less than 7 days; Perinatal Definition II, which includes fetal deaths of 20 weeks' gestation or more and infant deaths of less than 28 days; and Perinatal Definition III, which includes fetal deaths of 20 weeks' gestation or more and infant deaths of less than 7 days.

Variations in fetal death reporting requirements and practices have implications for comparing perinatal rates among States. Because reporting is generally sporadic near the lower limit of the reporting requirement, States that



require reporting of all products of pregnancy regardless of gestation are likely to have more complete reporting of fetal deaths at 20 weeks or more than are other States. The larger number of fetal deaths reported for these "all periods" States may result in higher perinatal mortality rates than those rates reported for States whose reporting is less complete. Accordingly, reporting completeness may account, in part, for differences among the State perinatal rates, particularly differences for Definitions II and III, which use data for fetal deaths at 20-27 weeks.

Not stated—Fetal deaths with gestational age not stated are presumed to be of 20 weeks' gestation or more if the State requires reporting of all fetal deaths at a gestational age of 20 weeks or more or the fetus weighed 500 grams or more in those States requiring reporting of all fetal deaths regardless of gestational age. For Definition I, fetal deaths at a gestation not stated but presumed to have been of 20 weeks or more are allocated to the category 28 weeks or more, according to the proportion of fetal deaths with stated gestational age that falls into that category. For Definitions II and III, fetal deaths at a presumed gestation of 20 weeks or more are included with those at a stated gestation of 20 weeks or more.

The allocation of not-stated gestational age for fetal deaths is made individually for each State, for metropolitan and nonmetropolitan areas, and separately for the United States as a whole. Accordingly, the sum of perinatal deaths for the areas according to Definition I may not equal the total number of perinatal deaths for the United States.

Race—Beginning with the 1989 data year, NCHS has changed the method of tabulating fetal death and live birth data by race from race of child to race of mother. This has resulted in a discontinuity in perinatal mortality rates by race between 1989 and previous years; see section on "Change in race classification for live births and fetal deaths" under Infant deaths.

Hispanic origin—See section on "Hispanic origin of mother" under Fetal deaths.

## QUALITY OF DATA

### Completeness of registration

All States have adopted laws that require the registration of births and deaths, and the reporting of fetal deaths. It is believed that more than 99 percent of the births and deaths occurring in this country are registered.

Reporting requirements for fetal deaths vary somewhat from State to State (see "Comparability and completeness of data"). Overall reporting is not as complete for fetal deaths as for births and deaths, but it is believed to be relatively complete for fetal deaths at a gestation of 28 weeks or more. National statistical data on fetal deaths include only fetal deaths occurring at a stated or presumed gestation of 20 weeks or more.

### Massachusetts data

The 1964 statistics for deaths exclude approximately 6,000 events registered in Massachusetts, primarily to residents of that State. Microfilm copies of these records were not received by NCHS. Figures for the United States and the New England Division are also somewhat affected.

### Alabama data

The 1988 statistics for deaths show no deaths assigned to the City of Prattville in Autauga County. The death records that should have been assigned to this area were instead assigned to the Balance of County due to a processing error.

### Quality control procedures

Demographic items on the death certificate—As previously indicated, for 1989 the mortality data for these items were obtained from two sources: Photocopies of the original certificates furnished by the Virgin Islands and Guam and records on data tape furnished by the 50 States, the District of Columbia, New York City, and Puerto Rico. For the Virgin Islands and Guam, which sent only copies of the original certificates, the demographic items were coded for 100 percent of the death certificates. The demographic coding for 100 percent of the certificates was independently verified.

As part of the quality control procedures for mortality data, each registration area goes through a calibration period, during which it must achieve the specified error tolerance level of 2 percent per item for 3 consecutive months, based on independent verification by NCHS of a 50-percent sample of that area's records. Once the area has achieved the required error tolerance level, a sample of 70-80 records per month is used to monitor quality of coding. All areas providing data on computer tapes prior to 1989 have achieved the specified error tolerance; accordingly, the

demographic items on about 70-80 records per area per month were independently verified by NCHS. The estimated average error rate for all demographic items in 1989 was 0.25 percent.

These verification procedures involve controlling for two types of error (coding and entering into the data record tape) at the same time, and the error rates are a combined measure of both types. It may be assumed that the entering errors are randomly distributed across all items on the record, but this assumption cannot be made as readily for coding errors. Although systematic errors in coding infrequent events may escape detection during sample verification, it is probable that some of these errors were detected during the initial period when 50 percent of the file was being verified, thus providing an opportunity to retrain the coders.

Medical items on the death certificate—As is true for demographic data, mortality medical data are also subject to quality control procedures to control for errors of both coding and data entry. Each of the 30 registration areas that in 1989 furnished NCHS with coded medical information according to NCHS specifications first had to qualify for sample verification. During an initial calibration period, the area had to demonstrate that its staff could achieve a specified error tolerance level of less than 5 percent for coding all medical items. After the area had achieved the required error tolerance level, a sample of 70-80 records per month was used to monitor quality of medical coding. For the 30 reporting States, the average coding error rate in 1989 was estimated at just over 4 percent.

For the remaining 20 States, the District of Columbia, New York City, Puerto Rico, the Virgin Islands, and Guam, NCHS coded the medical items for 100 percent of the death records. A 1-percent sample of the records was independently coded for quality control purposes. The estimated average error rate for these areas was about 3 percent.

The ACME system for selecting the underlying cause of death through computer application contributes to the quality control of medical items on the death certificate. (See section "Automated selection of underlying cause of death.")

Demographic items on the report of fetal death—For 1989, all data on fetal deaths, except for New York State (excluding New York City), were coded under contract by the U.S. Bureau of the Census. Coding and entering of information on data tapes were verified on a 100-percent basis because of the relatively small number of records involved.

Other control procedures—After coding and entering on data tape are completed, record counts are balanced against control totals for each shipment of records from a registration area. Editing procedures ensure that records with inconsistent or impossible codes are modified.

Inconsistent codes are those, for example, indicating a contradiction between cause of death and age or sex of the decedent. Records so identified during the computer editing process are either corrected by reference to the source record or adjusted by arbitrary code assignment (30). Further, conditions specified on a list of infrequent or rare causes of death are confirmed by the certifier or a State Health Officer. All subsequent operations in tabulating and in preparing tables are verified during the computer processing or by statistical clerks.

#### **Estimates of errors arising from 50-percent sample for 1972**

Death statistics for 1972 in this report (excluding fetal-death statistics) are based on a 50-percent sample of all deaths occurring in the 50 States and the District of Columbia. A description of the sample design and a table of the percent errors of the estimated numbers of deaths by size of estimate and total deaths in the area are shown in the Technical Appendix From Vital Statistics of the United States, 1972, Volume II, Mortality, Part A.

### **COMPUTATION OF RATES AND OTHER MEASURES**

#### **Population bases**

The population bases from which death rates shown in this report are computed are prepared by the U.S. Bureau of the Census. Rates for 1940, 1950, 1960, 1970, and 1980 are based on the population enumerated as of April 1 in the censuses for those years. Rates for all other years use the estimated midyear (July 1) population. Death rates for the United States, individual States, and SMSA's are based on the total resident populations of the respective areas. Except as noted, these populations exclude the Armed Forces abroad but include the Armed Forces stationed in each area.

The resident populations of the birth- and death-registration States for 1900-32 and of the United States for 1900-89 are shown in table 7-1. In addition, the population including Armed Forces abroad is shown for the United States. Table E lists the sources for these populations.

Population estimates for 1989—The population of the United States estimated by age, race, and sex for 1989 is shown in table 7-2, and the population for each State by broad age groups follows in table 7-3. Population estimates for 1984-89 incorporate new estimation procedures for net migration and net undocumented immigration. The 1989 estimates are comparable with those for 1984-88 but are not strictly comparable with the postcensal estimates for 1981-83 shown in tables 7-2 and 7-3 of Vital Statistics of the United States, Volume II, for those years. Although the death rates and estimates of life expectancy for 1984-89 are not strictly comparable with those for previous years, the trends for the total population and most age-race-sex groups are not substantially affected. For additional details, see the

Technical Appendix From Vital Statistics of the United States, 1984, Volume II, and the report of the U.S. Bureau of the Census (31). Population data by race are consistent with the modified (see below) 1980 population by race.

Population for 1980—The population of the United States by age, race, and sex; and the population for each State by age are shown in tables 7-2 and 7-3, respectively, of Vital Statistics of the United States, 1980, Volume II. The figures by race have been modified as described below.

Changes in reporting practices affected the racial counts of the 1980 census, particularly those of the Hispanic population. Changes in coding and classifying practices also impacted the racial counts in the 1980 census. One particular change created a major inconsistency between the 1980 census data and historical data series, including censuses and vital statistics. About 40 percent of the Hispanic population counted in 1980, more than 5.8 million persons, did not mark one of the specified races listed on the census questionnaire but instead marked the "Other" category.

In the 1980 census, coding procedures were modified for persons who marked "Other" race and wrote in a national origin designation of a Latin American country or a specific Hispanic-origin group in response to the racial question. These persons remained in the "Other" racial category in 1980 census data; in previous censuses and in vital statistics, such responses had almost always been coded into the "White" category.

To maintain comparability, the "Other" racial category in the 1980 census was reallocated to be consistent with previous procedures. Persons who marked the "Other" racial category and reported any Spanish origin on the Spanish origin question (5,840,648 persons) were distributed to white and black races in proportion to the distribution of persons of Hispanic origin who actually reported their race as "White" or "Black." This was done for each age-sex group.

As a result of this procedure, 5,705,155 persons (98 percent) were added to the white population and 135,493 persons (2 percent) to the black population. Persons who marked the "Other" racial category and reported that they were not of Spanish origin (916,338 persons) were distributed as follows: 20 percent in each age-sex group were added to the "Asian and Pacific Islander" category (183,268 persons), and 80 percent were added to the "White" category (733,070 persons). The count of American Indians, Eskimos, and Aleuts was not affected by these procedures. Unpublished tabulations of these modified census counts were obtained from the U.S. Bureau of the Census and used to compute the rates for this volume.

Population estimates for 1971-79—Death rates in this volume for 1971-79 used revised population estimates that are consistent with the 1980 census levels. The 1980 census enumerated approximately 5.5 million more persons than had previously been estimated for April 1, 1980 (32). These revised estimates for the United States by age, race, and sex are published by the U.S. Bureau of the Census in Current Population Reports, Series P-25, Number 917. Unpublished revised estimates for States were obtained from the U.S. Bureau of the Census. For Puerto Rico, the Virgin Islands, and Guam, revised estimates are published in Current Population Reports, Series P-25, Number 919.

Population estimates for 1961-69—Death rates in this volume for 1961-69 are based on revised estimates of the population and thus may differ slightly from rates published before 1976. The rates shown in tables 1-1 and 1-2, the life table values in table 6-5, and the population estimates in table 7-1 for each year in the period 1961-69 have been revised to reflect modified population bases, as published in the U.S. Bureau of the Census, Current Population Reports, Series P-25, Number 519. The data shown in table 1-10 for 1961-69 have not been revised.

Rates and ratios based on live births—Infant and maternal mortality rates, and fetal death and perinatal mortality ratios, are computed on the basis of the number of live births. Fetal death and perinatal mortality rates are computed on the basis of the number of live births and fetal deaths. Counts of live births are published annually in Vital Statistics of the United States, Volume I, Natality.

New Jersey—As previously indicated, data by race are not available for New Jersey for 1962 and 1963. Therefore, for 1962 and 1963 the, NCHS estimated a population by age, race, and sex that excluded New Jersey for rates shown by race. The methodology used to estimate the revised population excluding New Jersey is discussed in the Technical Appendixes of the 1962 and 1963 volumes.

#### **Net census undercount**

Just as the underenumeration of deaths and the misreporting of demographic characteristics on the death certificate can introduce error into the annual rates, so can enumeration errors in the latest decennial census. This is because annual population estimates for the postcensal interval, which are used in the denominator for calculating death rates, are computed using the decennial census count as a base (33). Net census undercount is the result of miscounting and misreporting of demographic characteristics such as age. Age-specific death rates are affected by both the net census undercount and the misreporting of age on the death certificate (34). To the extent that the net undercount is substantial and that it varies among subgroups and geographic areas, it may have important consequences for vital statistics measures.

Although death rates based on a population adjusted for net census undercount may be more accurate than rates based on an unadjusted population, rates in this volume are not adjusted; rather, they are computed using population estimates that preserve the age pattern of the net census undercount across the postcensal interval. Thus, it is important to consider the possible impact of net census undercount on death rates.

The U.S. Bureau of the Census has conducted extensive research on the completeness of coverage of the U.S. population (including underenumeration and misstatement of age, race, and sex) in the last four decennial censuses-- 1950, 1960, 1970, and 1980. From this work have come estimates of the national population that was not counted by age, race, and sex (35,36). The reports for 1980 include estimates of net census undercount using alternative methodological assumptions for age, race, and sex subgroups of the national population (37). These studies indicate that, although coverage was improved over previous censuses, there was differential coverage in the 1980 census among the population subgroups; that is, some age, race, and sex groups were more completely counted than others.

Net census undercounts can affect levels of the observed vital rates, differences among groups, and levels and group differences shown by summary measures such as age-adjusted death rates and life expectancy.

Levels and differentials—If adjustments were made for net census undercount, the size of denominators of the death rates generally would increase and the rates, therefore, would decrease. The adjusted rates for 1980 can be computed by multiplying the reported rates by ratios of the census-level resident population to the resident population adjusted for the estimated net census undercount (table 7-4). A ratio of less than 1.0 indicates a net census undercount and, when applied, results in a corresponding decrease in the death rate. A ratio greater than 1.0—indicating a net census overcount—multiplied by the reported rate results in an increase in the death rate.

Coverage ratios for all ages show that, in general, females were more completely enumerated than males and the white population more completely than the population of all other races in the 1980 Census of Population. The black population was undercounted relative to the total population of all other races.

For the total population, underenumeration varied by age group, with the greatest differences found for persons aged 80-84 and 85 years and over. All other age groups were overcounted or undercounted by less than 3 percent.

Among the age-sex-race groups, coverage was lowest for black males aged 40-44 and 45-49 years. Underenumeration for these groups was 19 percent. In contrast, white females in these age groups were essentially completely enumerated. For

black females and white males in these same age groups, the undercount ranged from 3 to 6 percent. For the under-1-year age group, the white population was overenumerated by 2 percent, whereas infants of other races were underenumerated by 9 percent.

If vital statistics measures were calculated with adjustments for net census undercounts for each population subgroup, the resulting rates would be differentially reduced from their original levels; that is, rates for those groups with the greatest estimated undercounts would show the greatest relative reductions due to these adjustments. Similar effects would be evident in the opposite direction for groups with overcounts. As a consequence, the ratio of mortality between the rates for males and females, and between the rates for the white population and the population of other races, or the black population, usually would be reduced.

Similarly, the differences between the death rates among subgroups of the population by cause of death would be affected by adjustments for net census undercounts. For example, for the age group 35-39 years in 1980, the ratio of the death rate for Homicide and legal intervention for black males to that for white males is 7.3, whereas the ratio of the death rates adjusted for net census undercount is 6.2. For Ischemic heart disease for males aged 40-44 years, the ratio of the death rate for the population of all other races to that for the white population is 1.2 using the unadjusted rates, but it is 1.1 when adjusted for estimated underenumeration.

Summary measures—The effect of net census undercount on age-adjusted death rates depends on the underenumeration of each age group and on the distribution of deaths by age. Thus, the age-adjusted death rate in 1980 for All causes would decrease from 585.8 to 579.3 per 100,000 population if the age-specific death rates were corrected for net census undercount.

For Diseases of the heart, the age-adjusted death rate for white males would decrease from 277.5 to 273.0 per 100,000 population, a decline of 1.3 percent. For black males the change, from an unadjusted rate of 327.3 to an adjusted rate of 308.3, would amount to 5.8 percent.

If death rates by age were adjusted, then the corresponding life expectancy at birth computed from these rates would change. The importance of adjustments varies by age; that is, when calculating life expectancy, the impact of an undercount or overcount is greatest at the younger ages. In general, the effect of correcting the death rates is to increase the estimate of life expectancy at birth. Differential underenumeration among race-sex groups would lead to greater changes in life expectancy for some groups than for others. For white females who were completely enumerated in 1980, revised estimates of life expectancy would remain roughly constant; those for black males would show the greatest increase.



**Age-adjusted death rates**

Age-adjusted death rates shown in this volume are computed using the distribution in 10-year age intervals of the enumerated population of the United States in 1940 as the standard population. Each figure represents the rate that would have existed had the age-specific rates of the particular year prevailed in a population whose age distribution was the same as that of the United States in 1940. The rates for the total population and for each race-sex group were adjusted using the same standard population. It is important not to compare age-adjusted death rates with crude rates. The standard 1940 population, on the basis of one million total population, is as follows:

<u>Age</u>	<u>Number</u>
All ages.....	1,000,000
Under 1 year.....	15,343
1-4 years.....	64,718
5-14 years.....	170,355
15-24 years.....	181,677
25-34 years.....	162,066
35-44 years.....	139,237
45-54 years.....	117,811
55-64 years.....	80,294
65-74 years.....	48,426
75-84 years.....	17,303
85 years and over.....	2,770

**Life Tables**

U.S. abridged life table are constructed by reference to a standard table (38). Life tables for the decennial period 1979-81 are used as the standard life tables in constructing the 1980-89 abridged life tables. With the availability of the 1979-81 standard life tables, revised life table values were computed for 1980-82; these appeared for the first time in Vital Statistics of the United States, 1983.

Life tables for the decennial period 1969-71 are used as the standard life tables in constructing the 1970-79 abridged life tables. Life table values for 1970-73 were first revised in Vital Statistics of the United States, 1977; before 1977, life table values for 1970-73 were constructed using the 1959-61 decennial life tables. In addition, life table values for 1951-59, 1961-69, and 1971-79 appearing in this volume are based on revised intercensal estimates of the populations for those years. As such, these life table values may differ from life table values for those years published in previous volumes.

The change in the population estimation methodology (see above section "Population bases") results in life expectancies at certain 5-year age intervals for 1984-89 that are lower than those that would have resulted had they been based on the same methodology used to compute 1983 life expectancies. For additional details, see Technical Appendix for Vital Statistics of the United States, 1984, Volume II.

There has been an increasing interest in data on the average length of life ( $e_0$ ) for single calendar years before the initiation of the annual abridged life table series for selected race-sex groups in 1945. The figures in table 6-5 for the race and sex groups for the following years were estimated to meet these needs (39).

<u>Years</u>	<u>Race and sex groups</u>
1900-45.....	Total
1900-47.....	Male
1900-47.....	Female
1900-50.....	White
1900-44.....	White, male
1900-44.....	White, female
1900-50.....	All other
1900-44.....	All other, male
1900-44.....	All other, female

The geographic areas covered in life tables before 1929-31 were limited to the death-registration areas. Life tables for 1900- 1902 and 1909-11 were constructed using mortality data from the 1900 death-registration States—10 States and the District of Columbia—and for 1919-21 from the 1920 death-registration States- 34 States and the District of Columbia. The tables for 1929-31 through 1958 cover the conterminous United States. Decennial life table values for the 3-year period 1959-61 were derived from data that include both Alaska and Hawaii for each year (table 6-4). Data for each year shown in table 6-5 include Alaska beginning in 1959 and Hawaii beginning in 1960. It is believed that the inclusion of these two States does not materially affect life table values.

**Random variation in numbers of deaths, death rates, and mortality rates and ratios**

Deaths and population-based rates—Except for 1972, the numbers of deaths reported for a community represent complete counts of such events. As such, they are not subject to sampling error, although they are subject to errors in the registration process. However, when the figures are used for analytical purposes, such as the comparison of rates over a time period or for different areas, the number of events that actually occurred may be considered as one of a large series of possible results that could have arisen under the same circumstances (40). The probable range of values may be estimated from the actual figures according to certain statistical assumptions.

In general, distributions of vital events may be assumed to follow the binomial distribution. Estimates of standard error and tests of significance under this assumption are described in most standard statistics texts. When the number of events is large, the standard error, expressed as a percent of the number or rate, is usually small.

When the number of events is small (perhaps less than 100) and the probability of such an event is small, considerable caution must be observed in interpreting the conditions described by the figures. This is particularly true for infant mortality rates, cause-specific death rates, and death rates for counties. Events of a rare nature may be assumed to follow a Poisson probability distribution. For this distribution, a simple approximation may be used to estimate a confidence interval, as follows.

If  $N$  is the number of registered deaths in the population and  $R$  is the corresponding rate, the chance is 19 in 20 that

1.  $N-2\sqrt{N}$  and  $N+2\sqrt{N}$   
covers the "true" rate.

2.  $R-2\frac{R}{\sqrt{N}}$  and  $R+2\frac{R}{\sqrt{N}}$   
covers the "true" rate.

If the rate  $R_1$  corresponding to  $N_1$  events is compared with the rate  $R_2$  corresponding to  $N_2$  events, the difference between the two rates may be regarded as statistically significant at the 0.05 level of significance, if it exceeds

For example, if the observed death rate for a community were 10.0 per 1,000 population and if this rate were based on 20 recorded deaths, then the chance is 19 in 20 that the "true" death rate for that community lies between 5.5 and 14.5 per 1,000 population. If the death rate for this community of 10.0 per 1,000 population were being compared with a rate of 15.0 per 1,000 population for a second community, which is based on 25 recorded deaths, then the difference between the rates for the two communities is 5.0.

This difference is less than twice the standard error of the difference of the two rates, which is computed to be 7.5. From this, it is concluded that the difference between the rates for the two communities is not statistically significant at the 0.05 level of significance.

Rates, proportions, and ratios—Beginning in 1989 an asterisk is shown in place of a rate based on fewer than 20 deaths. These rates have a relative standard error of 23 percent or more and are, therefore, considered highly variable. For age-adjusted death rates, this criterion is applied to the sum of the age-specific deaths.

**SYMBOLS USED IN TABLES**

Data not available----- ---  
Category not applicable----- ...  
Quantity zero----- -  
Quantity more than zero but less than 0.05----- 0.0  
Figure does not meet standard of reliability or  
precision (estimate is based on fewer than 20 events in  
numerator or denominator)----- \*

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Table A. Ratio of infant, neonatal, postneonatal, maternal, and perinatal rates, with race for live births tabulated according to race of mother to those with race for live births tabulated according to race of child: United States, 1989

Race	Infant deaths	Neonatal deaths	Postneonatal deaths	Maternal deaths	Fetal deaths	Perinatal definition		
						I	II	III
All races	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.
White	0.98	0.98	0.98	0.98	0.98	1.00	0.99	9.
Black	1.05	1.05	1.05	1.05	1.05	1.02	1.04	4.
American Indian	1.25	1.25	1.25	*	*	1.07	1.17	4.
Chinese	1.07	1.07	1.07	*	*	0.99	1.03	2.
Japanese	1.22	1.22	*	*	*	0.94	1.06	5.
Hawaiian	1.45	1.45	1.45	*	*	1.15	1.31	6.
Filipino	1.06	1.06	1.06	*	*	1.03	1.04	4.
Other Asian	1.09	1.09	1.09	*	*	1.01	1.04	4.
Other nonwhite	*	*	*	*	*	1.03	1.21	12.

Table B. Infant mortality rates by race of mother for the period 1984-85 and for birth cohorts, 1984-85; and ratio of birth cohort to period rates: United States  
 [Rates per 1,000 live births in specified groups]

Race	Period rate 1984-85	Birth cohort rate 1984-85	Ratio cohort/ period rates
All races	10.7	10.4	0.97
White	9.3	8.9	0.96
Black	19.1	18.4	0.96
American Indian	11.7	13.2	1.13
Chinese	5.9	6.5	1.10
Japanese	5.3	6.2	1.17
Filipino	5.4	8.1	1.50
Other Asian	7.8	9.1	1.17
Other nonwhite	7.7	9.8	1.27

NOTE: Births for race not stated are not distributed.

Table C. Infant mortality rates by specified Hispanic origin of mother for the period 1986 and birth cohort 1986; and ratio of birth cohort to period rates: Total of 18 reporting States and the District of Columbia, 1986

[Rates per 1,000 live births in specified group. Figures for origin not stated included in "All origins" but not distributed among origin groups]

Origin	Period rate 1986	Birth cohort rate 1986	Ratio cohort/ period rates
All Origins	10.2	9.9	0.97
Hispanic total	8.0	8.4	1.05
Mexican	7.7	7.9	1.03
Puerto Rican	8.6	11.8	1.37
Cuban	*	8.2	*
Other Hispanic <sup>1</sup>	9.1	8.4	0.9
Non-Hispanic total <sup>2</sup>	10.0	10.1	1.01
White	8.6	8.3	0.97
Black	16.9	17.8	1.05

<sup>1</sup>Includes Central and South American, and other and unknown Hispanic.

<sup>2</sup>Includes races other than white and black.

Table D. Period of gestation at which fetal-death reporting is required: Each reporting area, 1989

Area	All period of gestation	16 weeks	20 weeks	20 weeks or 350 grams	20 weeks or 400 grams	20 weeks or 500 grams	5 months	350 grams	500 grams
Alabama			X						
Alaska			X						
Arizona			X <sup>1</sup>						
Arkansas	X <sup>2</sup>								
California			X						
Colorado	X <sup>2</sup>								
Connecticut			X						
Delaware			X						
District of Columbia						X			
Florida			X						
Georgia	X								
Hawaii	X								
Idaho				X					
Illinois			X						
Indiana			X						
Iowa			X						
Kansas								X	
Kentucky				X					
Louisiana				X					
Maine	X <sup>2</sup>								
Maryland			X <sup>3</sup>						
Massachusetts				X					
Michigan					X				
Minnesota			X						
Mississippi				X					
Missouri				X					
Montana			X						
Nebraska			X						
Nevada			X						
New Hampshire				X					
New Jersey			X						
New Mexico									X
New York									
New York excluding NYC	X								
New York City	X								
North Carolina			X						
North Dakota			X						
Ohio			X						
Oklahoma			X						
Oregon			X <sup>4</sup>						
Pennsylvania		X							
Rhode Island	X								
South Carolina				X					
South Dakota									X
Tennessee									X <sup>5</sup>
Texas			X						
Utah			X						
Vermont			X <sup>6</sup>						
Virginia	X								
Washington			X						
West Virginia			X						
Wisconsin				X					
Wyoming			X						
Puerto Rico							X		
Virgin Islands	X								
Guam			X						

1.If gestational age is unknown, weight of 350 grams or more.  
 2.Although state law requires the reporting of fetal deaths of all periods of gestation, only data for fetal deaths of 20 weeks or more gestation are provided to NCHS.  
 3.If gestational age is unknown, weight of 500 grams or more.  
 4.If gestational age is unknown, weight of 400 grams or more, or crown-heel of 28 centimeters or more.  
 5.If weight is unknown, 22 completed weeks' gestation or more.  
 6.If gestational age is unknown, weight of 400 or more grams, 15 or more ounces.

Table E. Source for resident population and population including Armed Forces abroad:  
 Birth- and death-registration States, 1900-1932, and United States, 1900-1989

Year	Source
1989.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 1057, 1990.
1988.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 1045, 1990.
1986-87.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 1022, Mar. 1988.
1985.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 1000, Feb. 1987.
1984.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 985, Apr. 1986.
1983.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No.965, Mar. 1985.
1982.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 949, May. 1984.
1981.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 929, May. 1983.
1980.....	U.S. Bureau of the Census, <u>U.S. Census of Population:1980, Number of Inhabitants,PC80-1A1, United States Summary, 1983.</u>
1971-79.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 917, July 1982.
1970.....	U.S. Bureau of Census, <u>U.S. Census of Population:1970, Number of Inhabitants,Final Report PC(1)-A1, United States Summary, 1971.</u>
1961-69.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 519, April 1974.
1960.....	U.S. Bureau of the Census, <u>U.S. Census of Population: 1960, Number of Inhabitants, PC (1)-A1, United States Summary, 1964.</u>
1951-59.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No.310, June 30, 1965.
1940-50.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 499, May 1973.
1930-39.....	U.S. Bureau of the Census, <u>Current Population Reports</u> , Series P-25, No. 499, May 1973, and National Office of Vital Statistics, <u>Vital Statistics Rates in the United States,1900-1940, 1947.</u>
1920-29.....	National Office of Vital Statistics, <u>Vital Statistics Rates in the United States,1900-1940, 1947.</u>
1917-19.....	Same as for 1930-39
1900-1916...	Same as for 1920-29

U.S. STANDARD  
CERTIFICATE OF DEATH

TYPE/PRINT  
IN  
PERMANENT  
BLACK INK  
FOR  
INSTRUCTIONS  
ON OTHER SIDE  
HANDBOOK

LOCAL FILE NUMBER

STATE FILE NUMBER

1. DECEDENT'S NAME (First, Middle, Last)		2. SEX	3. DATE OF DEATH (Month, Day, Year)		
4. SOCIAL SECURITY NUMBER	5a. AGE—Last Birthday (Years)	5b. UNDER 1 YEAR Months: Days:	5c. UNDER 1 DAY Hours: Minutes:	6. DATE OF BIRTH (Month, Day, Year)	7. BIRTHPLACE (City and State or Foreign Country)
8. WAS DECEDENT EVER IN U.S. ARMED FORCES? (Yes or no)		9a. PLACE OF DEATH (Check only one; see instructions on other side) HOSPITAL: <input type="checkbox"/> Inpatient <input type="checkbox"/> ER/Outpatient <input type="checkbox"/> DOA OTHER: <input type="checkbox"/> Nursing Home <input type="checkbox"/> Residence <input type="checkbox"/> Other (Specify)			
9b. FACILITY NAME (If not institution, give street and number)		9c. CITY, TOWN, OR LOCATION OF DEATH		9d. COUNTY OF DEATH	
10. MARITAL STATUS—Married, Never Married, Widowed, Divorced (Specify)	11. SURVIVING SPOUSE (If wife, give maiden name)	12a. DECEDENT'S USUAL OCCUPATION (Give kind of work done during most of working life. Do not use: retired.)		12b. KIND OF BUSINESS/INDUSTRY	
13a. RESIDENCE—STATE	13b. COUNTY	13c. CITY, TOWN, OR LOCATION		13d. STREET AND NUMBER	
13e. INSIDE CITY LIMITS? (Yes or no)	13f. ZIP CODE	14. WAS DECEDENT OF HISPANIC ORIGIN? (Specify No or Yes—If yes, specify Cuban, Mexican, Puerto Rican, etc.) <input type="checkbox"/> No <input type="checkbox"/> Yes Specify:		15. RACE—American Indian, Black, White, etc. (Specify)	
17. FATHER'S NAME (First, Middle, Last)		18. MOTHER'S NAME (First, Middle, Maiden Surname)			
19a. INFORMANT'S NAME (Type/Print)		19b. MAILING ADDRESS (Street and Number or Rural Route Number, City or Town, State, Zip Code)			
20a. METHOD OF DISPOSITION <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Removal from State <input type="checkbox"/> Donation <input type="checkbox"/> Other (Specify) _____		20b. PLACE OF DISPOSITION (Name of cemetery, crematory, or other place)		20c. LOCATION—City or Town, State	
21a. SIGNATURE OF FUNERAL SERVICE LICENSEE OR PERSON ACTING AS SUCH		21b. LICENSE NUMBER (of Licensee)	22. NAME AND ADDRESS OF FACILITY		
23a. To the best of my knowledge, death occurred at the time, date, and place stated. Signature and Title		23b. LICENSE NUMBER	23c. DATE SIGNED (Month, Day, Year)		
24. TIME OF DEATH M		25. DATE PRONOUNCED DEAD (Month, Day, Year)		26. WAS CASE REFERRED TO MEDICAL EXAMINER/CORONER? (Yes or no)	
27. PART I. Enter the diseases, injuries, or complications that caused the death. Do not enter the mode of dying, such as cardiac or respiratory arrest, shock, or heart failure. List only one cause on each line.  IMMEDIATE CAUSE (Final disease or condition resulting in death) →  Sequentially list conditions, if any, leading to immediate cause Enter UNDERLYING CAUSE (Disease or injury that initiated events resulting in death) LAST		a. _____ DUE TO (OR AS A CONSEQUENCE OF):  b. _____ DUE TO (OR AS A CONSEQUENCE OF):  c. _____ DUE TO (OR AS A CONSEQUENCE OF):  d. _____			Approximate Interval Between Onset and Death
PART II. Other significant conditions contributing to death but not resulting in the underlying cause given in Part I.		28a. WAS AN AUTOPSY PERFORMED? (Yes or no)	28b. WERE AUTOPSY FINDINGS AVAILABLE PRIOR TO COMPLETION OF CAUSE OF DEATH? (Yes or no)		
29. MANNER OF DEATH <input type="checkbox"/> Natural <input type="checkbox"/> Pending Investigation <input type="checkbox"/> Accident <input type="checkbox"/> Could not be Determined <input type="checkbox"/> Suicide <input type="checkbox"/> Homicide	30a. DATE OF INJURY (Month, Day, Year)	30b. TIME OF INJURY M	30c. INJURY AT WORK? (Yes or no)	30d. DESCRIBE HOW INJURY OCCURRED	
30e. PLACE OF INJURY—At home, farm, street, factory, office building, etc. (Specify)		30f. LOCATION (Street and Number or Rural Route Number, City or Town, State)			
31a. CERTIFIER (Check only one) <input type="checkbox"/> CERTIFYING PHYSICIAN (Physician certifying cause of death when another physician has pronounced death and completed Item 23) To the best of my knowledge, death occurred due to the cause(s) and manner as stated. <input type="checkbox"/> PRONOUNCING AND CERTIFYING PHYSICIAN (Physician both pronouncing death and certifying to cause of death) To the best of my knowledge, death occurred at the time, date, and place, and due to the cause(s) and manner as stated. <input type="checkbox"/> MEDICAL EXAMINER/CORONER On the basis of examination and/or investigation, in my opinion, death occurred at the time, date, and place, and due to the cause(s) and manner as stated.		31b. SIGNATURE AND TITLE OF CERTIFIER		31c. LICENSE NUMBER	31d. DATE SIGNED (Month, Day, Year)
32. NAME AND ADDRESS OF PERSON WHO COMPLETED CAUSE OF DEATH (ITEM 27) (Type/Print)					
33. REGISTRAR'S SIGNATURE				34. DATE FILED (Month, Day, Year)	

NAME OF DECEDENT:  
For use by physician or institution

SEE INSTRUCTIONS ON OTHER SIDE

SEE DEFINITION ON OTHER SIDE

ITEMS 24-26 MUST BE COMPLETED BY PHYSICIAN WHO PRONOUNCES DEATH

SEE INSTRUCTIONS ON OTHER SIDE

SEE DEFINITION ON OTHER SIDE

DEPARTMENT OF HEALTH AND HUMAN SERVICES — PUBLIC HEALTH SERVICE — NATIONAL CENTER FOR HEALTH STATISTICS — 1989 REVISION

## INSTRUCTIONS FOR SELECTED ITEMS

### Item 9.— Place of Death

If the death was pronounced in a hospital, check the box indicating the decedent's status at the institution (inpatient, emergency room/outpatient, or dead on arrival (DOA)). If death was pronounced elsewhere, check the box indicating whether pronouncement occurred at a nursing home, residence, or other location. If other is checked, specify where death was legally pronounced, such as a physician's office, the place where the accident occurred, or at work

### Items 13-a-f. — Residence of Decedent

Residence of the decedent is the place where he or she actually resided. This is not necessarily the same as "home State," or "legal residence." Never enter a temporary residence such as one used during a visit, business trip, or a vacation. Place of residence during a tour of military duty or during attendance at college is not considered as temporary and should be considered as the place of residence.

If a decedent had been living in a facility where an individual usually resides for a long period of time, such as a group home, mental institution, nursing home, penitentiary, or hospital for the chronically ill, report the location of that facility in items 13a through 13f.

If the decedent was an infant who never resided at home, the place of residence is that of the parent(s) or legal guardian. Do not use an acute care hospital's location as the place of residence for any infant

### Items 23 and 31 — Medical Certification

The PRONOUNCING PHYSICIAN is the person who determines that the decedent is legally dead but who was not in charge of the patient's care for the illness or condition which resulted in death. Items 23a through 23c are to be completed only when the physician responsible for completing the medical certification of cause of death (Item 27) is not available at time of death to certify cause of death. The pronouncing physician is responsible for completing only items 23 through 26.

The CERTIFYING PHYSICIAN is the person who determines the cause of death (Item 27). This box should be checked only in those cases when the person who is completing the medical certification of cause of death is not the person who pronounced death (Item 23). The certifying physician is responsible for completing items 27 through 32

The PRONOUNCING AND CERTIFYING PHYSICIAN box should be checked when the same person is responsible for completing Items 24 through 32, that is, when the same physician has both pronounced death and certified the cause of death. If this box is checked, items 23a through 23c should be left blank

The MEDICAL EXAMINER/CORONER box should be checked when investigation is required by the Post Mortem Examination Act and the cause of death is completed by a medical examiner or coroner. The Medical Examiner/Coroner is responsible for completing items 24 through 32

### Item 27. — Cause of Death

The cause of death means the disease, abnormality, injury, or poisoning that caused the death, not the mode of dying, such as cardiac or respiratory arrest, shock, or heart failure.

In Part I, the immediate cause of death is reported on line (a). Antecedent conditions, if any, which gave rise to the cause are reported on lines (b), (c), and (d). The underlying cause, should be reported on the last line used in Part I. No entry is necessary on lines (b), (c), and (d) if the immediate cause of death on line (a) describes completely the train of events. **ONLY ONE CAUSE SHOULD BE ENTERED ON A LINE.** Additional lines may be added if necessary. Provide the best estimate of the interval between the onset of each condition and death. Do not leave the interval blank; if unknown, so specify.

In Part II, enter other important diseases or conditions that may have contributed to death but did not result in the underlying cause of death given in Part I.

See examples below.

SEE INSTRUCTIONS ON OTHER SIDE	27. PART I Enter the diseases, injuries, or complications that caused the death. Do not enter the mode of dying, such as cardiac or respiratory arrest, shock, or heart failure. List only one cause on each line.					Approximate Interval Between Onset and Death
	IMMEDIATE CAUSE (Final disease or condition resulting in death) →	a	Rupture of myocardium			Mins.
	Sequentially list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury that initiated events resulting in death) LAST	b	DUE TO (OR AS A CONSEQUENCE OF) Acute myocardial infarction			6 days
	c	DUE TO (OR AS A CONSEQUENCE OF) Chronic ischemic heart disease			5 years	
d	DUE TO (OR AS A CONSEQUENCE OF)					
CAUSE OF DEATH	PART II. Other significant conditions contributing to death but not resulting in the underlying cause given in Part I				28a. WAS AN AUTOPSY PERFORMED? (Yes or no)	28b. WERE AUTOPSY FINDINGS AVAILABLE PRIOR TO COMPLETION OF CAUSE OF DEATH? (Yes or no)
	Diabetes, Chronic obstructive pulmonary disease, smoking				Yes	Yes
29. MANNER OF DEATH		30a. DATE OF INJURY (Month, Day, Year)	30b. TIME OF INJURY	30c. INJURY AT WORK? (Yes or no)	30d. DESCRIBE HOW INJURY OCCURRED	
<input checked="" type="checkbox"/> Natural <input type="checkbox"/> Pending investigation <input type="checkbox"/> Accident <input type="checkbox"/> Suicide <input type="checkbox"/> Could not be Determined <input type="checkbox"/> Homicide			M			
		30e. PLACE OF INJURY—At home, farm, street, factory, office building, etc (Specify)		30f. LOCATION (Street and Number or Rural Route Number, City or Town, State)		
		Street		Route 4, Raleigh, North Carolina		

SEE INSTRUCTIONS ON OTHER SIDE	27. PART I Enter the diseases, injuries, or complications that caused the death. Do not enter the mode of dying, such as cardiac or respiratory arrest, shock, or heart failure. List only one cause on each line.					Approximate Interval Between Onset and Death
	IMMEDIATE CAUSE (Final disease or condition resulting in death) →	a	Cerebral laceration			10 mins.
	Sequentially list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury that initiated events resulting in death) LAST	b	DUE TO (OR AS A CONSEQUENCE OF) Open skull fracture			10 mins.
	c	DUE TO (OR AS A CONSEQUENCE OF) Automobile accident			10 mins.	
d	DUE TO (OR AS A CONSEQUENCE OF)					
CAUSE OF DEATH	PART II. Other significant conditions contributing to death but not resulting in the underlying cause given in Part I				28a. WAS AN AUTOPSY PERFORMED? (Yes or no)	28b. WERE AUTOPSY FINDINGS AVAILABLE PRIOR TO COMPLETION OF CAUSE OF DEATH? (Yes or no)
					No	No
29. MANNER OF DEATH		30a. DATE OF INJURY (Month, Day, Year)	30b. TIME OF INJURY	30c. INJURY AT WORK? (Yes or no)	30d. DESCRIBE HOW INJURY OCCURRED	
<input type="checkbox"/> Natural <input type="checkbox"/> Pending investigation <input checked="" type="checkbox"/> Accident <input type="checkbox"/> Suicide <input type="checkbox"/> Could not be Determined <input type="checkbox"/> Homicide		11/15/85	1 p. M	No	2-car collision—driver	
		30e. PLACE OF INJURY—At home, farm, street, factory, office building, etc (Specify)		30f. LOCATION (Street and Number or Rural Route Number, City or Town, State)		
		Street		Route 4, Raleigh, North Carolina		

U.S. STANDARD  
REPORT OF FETAL DEATH

STATE FILE NUMBER

TYPE/PRINT  
IN  
PERMANENT  
BLACK INK  
FOR  
INSTRUCTIONS  
SEE  
HANDBOOK

1. FACILITY NAME (If not institution, give street and number)

2. CITY, TOWN, OR LOCATION OF DELIVERY      3. COUNTY OF DELIVERY      4. DATE OF DELIVERY (Month, Day, Year)      5. SEX OF FETUS

6a. MOTHER'S NAME (First, Middle, Last)      6b. MOTHER'S SURNAME      7. DATE OF BIRTH (Month, Day, Year)

**PARENTS**

8a. RESIDENCE STATE      8b. COUNTY      8c. CITY, TOWN, OR LOCATION      8d. STREET AND NUMBER

9a. INSIDE CITY LIMITS? (Yes or no)      9b. ZIP CODE      9. FATHER'S NAME (First, Middle, Last)      10. DATE OF BIRTH (Month, Day, Year)

**MOTHER**

11. OF HISPANIC ORIGIN? (Specify No or Yes - If yes, specify Cuban, Mexican, Puerto Rican, etc.)      11a.  No     Yes    Specify:      12a.      13a.      14a.      14b.

**FATHER**

11b.  No     Yes    Specify:      12b.      13b.      14c.      14d.

**12. RACE** - American Indian, Black, White, etc (Specify below)

**13. EDUCATION** (Specify only highest grade completed)  
Elementary/Secondary (0-12)      College (1-4 or 5+)

**14. OCCUPATION AND BUSINESS/INDUSTRY** (Worked during last year)  
Occupation      Business/Industry

**16. PREGNANCY HISTORY** (Complete each section)

**LIVE BIRTHS**      **OTHER TERMINATIONS** (Spontaneous and induced at any time after conception)

15a. Now Living      15b. Now Dead      15d. (Do not include this fetus)

Number \_\_\_\_\_      Number \_\_\_\_\_      Number \_\_\_\_\_

None       None       None

16. MOTHER MARRIED? (At delivery, conception, or any time between) (Yes or no)      17. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)

18. MONTH OF PREGNANCY PRENATAL CARE BEGAN - First, Second, Third, etc. (Specify)

19. PRENATAL VISITS - Total Number (If none, so state)

20. WEIGHT OF FETUS (Specify Unit)

21. CLINICAL ESTIMATE OF GESTATION (Weeks)

22a. PLURALITY - Single, Twin, Triplet, etc. (Specify)

22b. IF NOT SINGLE BIRTH - Born First, Second, Third, etc. (Specify)

15c. DATE OF LAST LIVE BIRTH (Month, Year)      15e. DATE OF LAST OTHER TERMINATION (Month, Year)

**23a. MEDICAL RISK FACTORS FOR THIS PREGNANCY** (Check all that apply)

Anemia (Hct. < 30/Hgb. < 10)      01

Cardiac disease      02

Acute or chronic lung disease      03

Diabetes      04

Genital herpes      05

Hydramnios/Oligohydramnios      06

Homoglobinopathy      07

Hypertension, chronic      08

Hypertension, pregnancy-associated      09

Eclampsia      10

Incompetent cervix      11

Previous infant 4000+ grams      12

Previous preterm or small-for-gestational-age infant      13

Renal disease      14

Rh sensitization      15

Uterine bleeding      16

None      00

Other (Specify)      17

**24. OBSTETRIC PROCEDURES** (Check all that apply)

Amniocentesis      01

Electronic fetal monitoring      02

Induction of labor      03

Stimulation of labor      04

Tocolysis      05

Ultrasound      06

None      00

Other (Specify)      07

**25. COMPLICATIONS OF LABOR AND/OR DELIVERY** (Check all that apply)

Febrile (> 100°F or 38°C.)      01

Meconium, moderate/heavy      02

Premature rupture of membrane (> 12 hours)      03

Abruption placenta      04

Placenta previa      05

Other excessive bleeding      06

Seizures during labor      07

Precipitous labor (< 3 hours)      08

Prolonged labor (> 20 hours)      09

Dysfunctional labor      10

Breech/Malpresentation      11

Cephalopelvic disproportion      12

Cord prolapse      13

Anesthetic complications      14

Fetal distress      15

None      00

Other (Specify)      16

**26. METHOD OF DELIVERY** (Check all that apply)

Vaginal      01

Vaginal birth after previous C-section      02

Primary C-section      03

Repeat C-section      04

Forceps      05

Vacuum      06

Hysterotomy/Hysterectomy      07

**27. CONGENITAL ANOMALIES OF FETUS** (Check all that apply)

Anencephalus      01

Spina bifida/Meningocele      02

Hydrocephalus      03

Microcephalus      04

Other central nervous system anomalies (Specify)      05

Heart malformations      06

Other circulatory/respiratory anomalies (Specify)      07

Rectal atresia/stenosis      08

Tracheo esophageal fistula/Esophageal atresia      09

Omphalocele/Gastrochisis      10

Other gastrointestinal anomalies (Specify)      11

Malformed genitalia      12

Renal agenesis      13

Other urogenital anomalies (Specify)      14

Cleft lip/palate      15

Polydactyly/Syndactyly/Adactyly      16

Cub foot      17

Diaphragmatic hernia      18

Other musculoskeletal/integumental anomalies (Specify)      19

Down's syndrome      20

Other chromosomal anomalies (Specify)      21

None      00

Other (Specify)      22

**23b. OTHER RISK FACTORS FOR THIS PREGNANCY** (Complete all items)

Tobacco use during pregnancy      Yes  No

Average number cigarettes per day \_\_\_\_\_

Alcohol use during pregnancy      Yes  No

Average number drinks per week \_\_\_\_\_

Weight gained during pregnancy \_\_\_\_\_ lbs

**28. Enter only one cause per line for a, b, and c.**

**PART I. Fetal or maternal condition directly causing fetal death.**

**IMMEDIATE CAUSE**      Specify Fetal or Maternal

a. **DUE TO (OR AS A CONSEQUENCE OF):**      Specify Fetal or Maternal

b. **DUE TO (OR AS A CONSEQUENCE OF):**      Specify Fetal or Maternal

c. **DUE TO (OR AS A CONSEQUENCE OF):**      Specify Fetal or Maternal

Fetal and/or maternal conditions, if any, giving rise to the immediate cause(s), stating the underlying cause last.

**PART II. Other significant conditions of fetus or mother contributing to fetal death but not resulting in the underlying cause given in Part I.**

**29. FETUS DIED BEFORE LABOR, DURING LABOR OR DELIVERY, UNKNOWN (Specify)**

**30. ATTENDANT'S NAME AND TITLE (Type/Print)**

Name \_\_\_\_\_

M.D.     D.O.     C.N.M.     Other Midwife

Other (Specify) \_\_\_\_\_

**31. NAME AND TITLE OF PERSON COMPLETING REPORT (Type/Print)**

Name \_\_\_\_\_

Title \_\_\_\_\_

MULTIPLE BIRTHS  
Enter State File  
Number for  
Mother(s)  
LIVE BIRTH(S)

FETAL DEATH(S)

DEPARTMENT OF HEALTH AND HUMAN SERVICES - NATIONAL CENTER FOR HEALTH STATISTICS - 1983 REVISION

MEDICAL  
AND  
HEALTH  
INFORMATION

CAUSE OF  
FETAL  
DEATH