

Public Use Data Set Documentation

Mortality for ICD-10, 1999

**DOCUMENTATION FOR THE MORTALITY PUBLIC USE DATA  
SET, 1999**

**SPECIAL NOTICE**

EFFECTIVE WITH 1999 DATA, CAUSE-OF-DEATH INFORMATION IS CLASSIFIED  
ACCORDING TO THE TENTH REVISION OF THE INTERNATIONAL  
CLASSIFICATION OF DISEASES (ICD-10)

EFFECTIVE WITH 1998 DATA, COMMONWEALTH OF THE NORTHERN  
MARIANAS' RECORDS ARE INCLUDED IN THE TERRITORIES'S  
PUBLIC USE DATA SET

This tape documentation was prepared in the Division of Vital Statistics. Gail Parr and Vanetta Harrington of the Systems, Programming, and Statistical Resources Branch were responsible for developing the mortality documentation. Sherry Murphy of the Mortality Statistics Branch coordinated preparation of the Technical Appendix. The Registration Methods Staff and the Data Acquisition and Evaluation Branch provided consultation to the State vital statistics offices regarding collection of death certificate data.

Questions concerning the documentation or general questions concerning the mortality data set should be directed to the Systems, Programming, and Statistical Resources Branch, Division of Vital Statistics, NCHS, 3311 Toledo Road, Room 7318, Hyattsville, MD 20782 (301-458-4420).

Questions concerning the introductory text, Technical Appendix or substantive questions concerning the mortality data should be directed to the Mortality Statistics Branch, Division of Vital Statistics, NCHS, 3311 Toledo Road, Room 7318, Hyattsville, MD 20782 (301-458-4666).

## Table of Contents

- I. Introduction
- II. Underlying Cause-of-Death Data
- III. Multiple Cause-of-Death Data
  - A. Entity Axis Codes
  - B. Record Axis Codes
- IV. Data Set Characteristics
- V. Tape Format and Variable Definition
- VI. Additional Information
- VII. References
- VIII. List of data elements and tape locations
- IX. Mortality public use data set record layout
- X. Geographic code outline
- XI. Primary Metropolitan Statistical Areas and Metropolitan Statistical Areas as adapted for use by NCHS/DVS
- XII. Control total tables 1-6
- XIII. ICD-10 titles and recodes for the 358, 113, 130, and 39 selected cause-of-death lists
- XIV. Technical Appendix for Mortality, 1999

### 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 for the Mortality Public Use Data Set, 1999

## I. Introduction

This document provides guidance in accessing and using the mortality public use data set for 1999. It also provides information on the classification structure and coding rules used to create each variable on the data set such that the user can readily access information at varying levels of detail to his/her own particular research. Additionally, it presents the characteristics of the underlying and multiple cause data to guide the user in analyzing and interpreting the data. The user is alerted to certain pitfalls of interpretation. The appropriateness of multiple cause data to given applications is also discussed. Tabular underlying and multiple cause data are provided (Control Total Tables in the back of the documentation) for comparison with user-generated counts for 1999 data.

**New variables.** Beginning in 1989 a number of variables were added to the data set as a result of the revision of the U.S. Standard Certificate of Death, recommended for State use beginning on January 1, 1989. A new item on educational attainment was added. Also, changes were made to improve the medical certification of cause of death. For the first time, the U.S. Standard Certificate of Death included a question on the Hispanic origin of the decedent. (Previously some States had included an Hispanic-origin identifier on their certificates.) The format of the item to obtain information on type of place of death was changed from an open-ended question to a checkbox.

**Geographic classification.** The Office of Management and Budget revised its designation of metropolitan statistical areas based on figures from the 1990 Census. For 1990 through 1993 data, the National Center for Health Statistics (NCHS) uses the revised 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) (see documentation for those years). There are also 20 Consolidated Metropolitan Statistical Areas (CMSAs) which are made up of PMSAs. Because other geographic changes based on the 1990 Census became effective with 1994 data, the metropolitan statistical area designations were updated as well. Effective with 1994 data, there are 311 MSA's, PMSA's, and NECMA's; and 18 CMSA's as indicated in the listing included with this documentation.

**Data release policy.** Effective with vital events occurring in 1989, NCHS implemented a policy on the release of vital statistics unit record data to prevent the inadvertent disclosure of individuals and institutions. As a result, public use data sets for 1989 and later years do not contain the decedent's actual day of death or date of birth. Geographic detail is also restricted: only counties and cities of 100,000 or more population (based on the 1990 census), and metropolitan areas of 100,000 or more population (based on the 1990 census) are identified.

**Sample data.** With the exception of calendar years 1972, 1981 and 1982, all deaths occurring annually in the United States were processed. Due to resource constraints, in 1972, underlying and multiple cause data were coded and processed for 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 which are identified in the documentation of the 1981 and 1982 data sets. 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 data contain only those records where the multiple cause field is also coded.

**Change in cause-of-death classification.** Effective with data year 1999, a revised classification system for coding causes of death was implemented in the United States: the Tenth Revision of the International Classification of Diseases (ICD-10) (1). Information about the new revision can be obtained at the following address: <http://www.cdc.gov/nchs/about/major/dvs/icd10des.htm>

## II. Underlying Cause of Death Data

Mortality statistics by cause of death are compiled from entries on the medical certification portion of the death certificate that follows the World Health Organization (WHO) format (1). Causes of death include “all those diseases, morbid conditions or injuries which either resulted in or contributed to death and the circumstances of the accident or violence which produced any such injuries” (1). The medical certification of death is divided into two sections. In Part I, the certifier is asked to provide the causal chain of morbid conditions that led to death, beginning with the condition most proximate to death on line (a) and working backwards to the initiating condition. The lines (a) through (d) in Part I are connected by the phrase “due to, or as a consequence of.” They were designed to encourage the certifier to provide the causally related sequence of medical conditions that resulted in death. Thus, the condition on line (a) should be due to the condition on line (b), and the condition on line (b) should be a consequence of the condition on line (c), etc., until the full sequence is described back to the originating or initiating condition. If only one step in the chain of morbid events is recorded, a single entry on line (a) is adequate. Part I of the medical certification is designed to facilitate the selection of the underlying cause of death when two or more causes are recorded on the certificate. The underlying cause of death is defined as “(a) the disease or injury which initiated the train of morbid events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury” (1) and is generally considered the most useful cause from a public health standpoint. Part II solicits other conditions that the certifier believed contributed to death, but were not in the causal chain. Figure 1 shows the U.S. Standard Certificate of Death, 1989 Revision. While some details of the death certificate vary by State, all States use the same general format for medical certification outlined in the U.S. Standard Certificate. The U.S. Standard Certificate, in turn, closely follows the format recommended by the WHO.

Figure 1. U.S. Standard Certificate of Death, 1989 Revision

TYPEPRINT IN PERMANENT BLACK INK FOR INSTRUCTIONS SEE OTHER SIDE AND HANDBOOK		LOCAL FILE NUMBER		U.S. STANDARD CERTIFICATE OF DEATH		STATE FILE NUMBER		
DECEDENT	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)	
	16. DECEDENT'S EDUCATION (Specify only highest grade completed) Elementary/Secondary (0-12) College (1-4 or 5+)		17. FATHER'S NAME (First, Middle, Last)					
	18. MOTHER'S NAME (First, Middle, Maiden Surname)						19a. INFORMANT'S NAME (Type/Print)	
	PARENTS	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				
DISPOSITION	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. Complete items 23a-c only when certifying physician is not available at time of death to certify cause of death. Signature and Title		23b. LICENSE NUMBER		23c. DATE SIGNED (Month, Day, Year)			
PRONOUNCING PHYSICIAN ONLY	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) → a. _____ DUE TO IOR AS A CONSEQUENCE OF: b. _____ DUE TO IOR AS A CONSEQUENCE OF: c. _____ DUE TO IOR AS A CONSEQUENCE OF: d. _____ Sequentially list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury that initiated events resulting in death) LAST		Approximate Interval Between Onset and Death					
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)	
	29. MANNER OF DEATH <input 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		30a. DATE OF INJURY (Month, Day, Year)		30b. TIME OF INJURY M		30c. INJURY AT WORK? (Yes or no)	
CERTIFIER	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)	
REGISTRAR	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)	

PHS-T-003

## 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 13a-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	<b>27. PART I.</b> 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
	<b>IMMEDIATE CAUSE</b> (Final disease or condition resulting in death) →	a. <u>Rupture of myocardium</u> DUE TO IOR AS A CONSEQUENCE OF:			Mins.
CAUSE OF DEATH	Sequentially list conditions, if any, leading to immediate cause. Enter <b>UNDERLYING CAUSE</b> (Disease or injury that initiated events resulting in death) <b>LAST</b>	b. <u>Acute myocardial infarction</u> DUE TO IOR AS A CONSEQUENCE OF:			6 days
		c. <u>Chronic ischemic heart disease</u> DUE TO IOR AS A CONSEQUENCE OF:			5 years
		d. _____ DUE TO IOR AS A CONSEQUENCE OF:			
<b>PART II.</b> Other significant conditions contributing to death but not resulting in the underlying cause given in Part I.				<b>28a.</b> WAS AN AUTOPSY PERFORMED? (Yes or no) Yes	<b>28b.</b> WERE AUTOPSY FINDINGS AVAILABLE PRIOR TO COMPLETION OF CAUSE OF DEATH? (Yes or no) Yes
<b>29. MANNER OF DEATH</b> <input checked="" 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		<b>30a.</b> DATE OF INJURY (Month, Day, Year)	<b>30b.</b> TIME OF INJURY M	<b>30c.</b> INJURY AT WORK? (Yes or no)	<b>30d.</b> DESCRIBE HOW INJURY OCCURRED
<b>30a.</b> PLACE OF INJURY—At home, farm, street, factory, office building, etc. (Specify)			<b>30e.</b> LOCATION (Street and Number or Rural Route Number, City or Town, State)		

SEE INSTRUCTIONS ON OTHER SIDE	<b>27. PART I.</b> 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
	<b>IMMEDIATE CAUSE</b> (Final disease or condition resulting in death) →	a. <u>Cerebral laceration</u> DUE TO IOR AS A CONSEQUENCE OF:			10 mins.
CAUSE OF DEATH	Sequentially list conditions, if any, leading to immediate cause. Enter <b>UNDERLYING CAUSE</b> (Disease or injury that initiated events resulting in death) <b>LAST</b>	b. <u>Open skull fracture</u> DUE TO IOR AS A CONSEQUENCE OF:			10 mins.
		c. <u>Automobile accident</u> DUE TO IOR AS A CONSEQUENCE OF:			10 mins.
		d. _____ DUE TO IOR AS A CONSEQUENCE OF:			
<b>PART II.</b> Other significant conditions contributing to death but not resulting in the underlying cause given in Part I.				<b>28a.</b> WAS AN AUTOPSY PERFORMED? (Yes or no) No	<b>28b.</b> WERE AUTOPSY FINDINGS AVAILABLE PRIOR TO COMPLETION OF CAUSE OF DEATH? (Yes or no) No
<b>29. MANNER OF DEATH</b> <input type="checkbox"/> Natural <input type="checkbox"/> Pending Investigation <input checked="" type="checkbox"/> Accident <input type="checkbox"/> Could not be Determined <input type="checkbox"/> Suicide <input type="checkbox"/> Homicide		<b>30a.</b> DATE OF INJURY (Month, Day, Year) 11/15/85	<b>30b.</b> TIME OF INJURY 1 p. M	<b>30c.</b> INJURY AT WORK? (Yes or no) No	<b>30d.</b> DESCRIBE HOW INJURY OCCURRED 2-car collision—driver
<b>30a.</b> PLACE OF INJURY—At home, farm, street, factory, office building, etc. (Specify) Street			<b>30e.</b> LOCATION (Street and Number or Rural Route Number, City or Town, State) Route 4, Raleigh, North Carolina		



If the death certificate is properly completed, the disease or condition listed on the lowest used line in Part I is usually accepted as the underlying cause of death. This is an application of “The General Principle” (1). The General Principle is applied unless it is highly improbable that the condition on the lowest line used could have given rise to all of the diseases or conditions listed above it. In some cases, the sequence of morbid events entered on the death certificate is not specified correctly. A variety of errors may occur in completing the medical certification of death. Common problems include the following: The causal chain may be listed in reverse order; the distinction between Part I and Part II may have been ignored so that the causal sequence in Part I is simply extended into Part II; or the reported underlying cause is unlikely, in an etiological sense, to have caused the condition listed above it. In addition, sometimes the certifier attributes the death to uninformative causes such as “cardiac arrest” or “pulmonary arrest.”

To resolve the problems of incorrect or implausible cause-of-death statements, the WHO designed standardized rules to select an underlying cause of death from the information on the death certificate that is most informative from a public health perspective. The rules for the Tenth Revision, as updated by WHO since the publication of ICD-10 (1), are described in Part 2a of the NCHS Vital Statistics Instruction Manual Series, Instructions for Classifying the Underlying Cause of Death, 1999 (2). Coding rules beyond the General Principle are invoked if the cause-of-death section is completed incorrectly or application of the rules can improve the specificity and characterization of the cause of death in a manner consistent with the ICD. The rules are applied in two steps: selection of a tentative underlying cause of death, and modification of the tentative underlying cause in view of the other conditions reported on the certificate in either Part I or Part II. Modification involves several considerations by the medical coder: determining whether conditions in Part II could have given rise to the underlying cause, giving preference to specific terms over generalized terms, and creating linkages of conditions that are consistent with the terminology of the ICD.

Use of multiple-cause data requires an understanding of the content and structure of the death certificate (Figure 1). The cause-of-death section (Items 27 through 30f) provides the underlying cause of death, coded according to the ICD, and the multiple causes of death coded according to the algorithm developed by NCHS.

For a given death, the underlying cause is selected from the condition or conditions recorded by the certifier in the cause-of-death section of the death certificate. NCHS is bound by international agreement to use the ICD-10 classification structure, selection rules, and modification rules, in determining the underlying cause of death. These rules are incorporated in a computer software program called ACME (Automated Classification of Medical Entities). ACME does exactly what a coder would do to select the underlying cause of death. The ACME program has been used for final mortality data since 1968.

The WHO selection rules take into account the certifier’s ordering of conditions and their causal relationships to systematically identify the underlying cause of death. The intent

of these rules is to improve the usefulness of mortality statistics by giving preference to certain classification categories over others and consolidating two or more conditions on the certificate into a single classification category. Additional information on the history of cause-of-death statistics can be found in *History and organization of the vital statistics system* (3).

### III. Multiple Cause-of-Death Data

The limitations of the underlying cause concept and the need for more comprehensive data suggested the need for coding and tabulating all conditions listed on the death certificate. Coding all listed conditions on the death certificate was designed with two objectives in mind. The first objective was to facilitate studies of the relationships among conditions reported on the death certificate. This requires presenting each condition and its location on the death certificate in the exact manner given by the certifier. The second objective was to ensure that underlying cause-of-death would be coded according to WHO rules.

To develop multiple-cause data, two fields were created: 1) entity axis and 2) record axis. For entity axis, NCHS suspends the provisions of the ICD that create linkages between conditions for the purpose of coding each individual condition, or entity, with minimum regard to other conditions present on the death certificate. Record axis is designed for the generation of person-based multiple-cause statistics. Person-based analysis requires that each condition be coded within the context of every other condition on the same death certificate and modified or linked to such conditions as provided by ICD-10. By definition, the entity data cannot meet this requirement since the linkage provisions modify the character and placement of the information originally recorded by the certifier. Essentially, the axis of the classification has been converted from an entity basis to a record (or person) basis. The record axis codes are assigned in terms of the set of codes that best describe the overall medical certification portion of the death certificate.

This conversion is accomplished by a computer system called TRANSAX (Translation of Axis). TRANSAX selectively uses the 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 that are as precise and free of contradictions as possible within the constraints of ICD-10 and medical information on the record. Repetitive codes are deleted. The process may 1) combine two entity axis categories together to create 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-10 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 K74.6 (Other and unspecified cirrhosis of

liver) and F10.2 (Mental and behavioral disorders due to use of alcohol; dependence syndrome), respectively. Tabulation of records with K74.6 would imply that such records had no mention of alcohol. A preferable code would be K70.3 (Alcoholic cirrhosis of liver) in lieu of both K74.6 and F10.2.

Case 2: If “gastric ulcer” and “bleeding gastric ulcer” are reported on a record they are coded to K25.9 (Gastric ulcer, unspecified as acute or chronic, without mention of hemorrhage or perforation) and K25.4 (Gastric ulcer, chronic or unspecified with hemorrhage), respectively. A more concise code is K25.4 which 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 data set. The following paragraphs describe the format and application of entity axis data.

1. Format. Each entity-axis code is displayed as an overall seven byte code with subcomponents as follows:

1. Line indicator: The first byte represents the line of the death certificate on which the code appears. Six lines (1-6) are allowable with the fourth and fifth denoting an additional condition was written in beyond the four lines provided in Part I of the U.S. Standard Certificate of Death. Line “6” represents Part II of the death certificate.
2. Position indicator: The next byte indicates the position of the code on the line, i.e., it is the first (1), second (2), third (3) .... eighth (8) code on the line.
3. Cause category: The next four bytes represent the ICD-10 cause code.
4. The last byte is blank.

For multiple cause purposes, as many as twenty (20) seven byte codes are captured across all lines on a record with up to eight (8) codes on any given line. Codes may be omitted from one or more lines, e.g., line 1 with one or more codes, line 2 with no codes, line 3 with one or more codes.

In writing out these codes, they are ordered as follows: line 1 first code, line 1 second code, etc. ----- line 2 first code, line 2 second code, etc. ----- line 3 ---- line 4 ----- line 5 -- -- line 6. Any space remaining in the field is left blank. The specifics of locations are contained in the record layout given later in this document.

2. Edit. The original conditions are edited to remove invalid codes, reverify the coding of certain rare causes of death, and ensure age/cause and sex/cause compatibility. Detailed information on the edit criteria and sets of cause codes valid with underlying cause coding and multiple cause coding are provided in Part 11 of the NCHS Vital Statistics Instruction Manual Series, Computer Edits for Mortality Data, Effective 1999 (4). 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-10 Category*, provides a summary list of valid underlying and multiple cause of death codes. The Control Total Tables are included in this documentation package.

3. Entity Axis Applications. The entity axis multiple cause data are appropriate for analyses that require each condition to be coded as an independent entity without linkage to other conditions and/or require information regarding the placement of such conditions on the death certificate. Within this framework, the entity data can be used to examine relationships among conditions and the validity of traditional assumptions in underlying cause selection. Additionally, the entity data provide, in certain categories, a more detailed code assignment that record axis data may not provide. Where such detail is needed, entity data should be used. Finally, the researcher may not wish to be bound by the assumptions used in the axis translation process.

The main limitation of entity axis data is that it may not reflect the best code for a condition when considered within the context of the medical certification as a whole. As a result, certain entity codes can be misleading or even contradict other codes in the record. For example, category K80.2 is titled "Calculus of gallbladder without cholecystitis." Within the framework of entity codes this is interpreted to mean that cholecystitis was not mentioned in the codable entity rather than that cholecystitis was not mentioned anywhere on the record. Therefore, tabulation of records with K80.2 would not accurately reflect the number of decedents having Calculus of gallbladder without cholecystitis. This illustrates the fact that under entity coding the ICD-10 titles cannot be taken literally. Data users should study the rules for entity coding as they relate to his/her research prior to using entity data. Users are further cautioned that inclusion notes in ICD-10 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, Instructions for Classifying Multiple Cause-of-Death, 1999) (5).

Entity axis data can be tabulated by 1) counting codes using an individual code to represent the number of times the condition(s) appears in the data set. In this kind of tabulation, counts among categories may be added together to produce counts for groups of codes. 2) Counting persons having mention of the disease represented by a code or codes. This method is subject to the aforementioned limitations and counts for individual codes cannot be added to create counts for groups of codes. Since more than one code of interest may appear on the certificate, summing of codes 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 summing of codes 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 (ICD-10 TRANSAX Disease Reference Tables for classifying Multiple Causes-of-Death, 1999) (6) describes the TRANSAX process for creating record axis data from entity axis data.

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

1. Cause category: The first four bytes represent the ICD-10 cause code.
2. The last byte is blank.

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

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

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

The record axis codes literally represent the information conveyed in ICD-10 category titles. While knowledge of the rules for combining, 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. Users are cautioned, however, that because of special rules in mortality coding, not all linkage notes in ICD-10 are used. (See Part 2f of the Vital Statistics Instruction Manual Series) (6).

Data users should proceed with caution in using record axis data to count conditions as opposed to people with conditions, since linkages have been invoked and duplicate codes have been eliminated. As with entity data, person-based tabulations that combine

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

#### **IV. Data Set Characteristics**

Each record on the annual data set contains underlying cause (coded using ICD-10), demographic, and geographic detail and two multiple cause-of-death fields coded using ICD-10. The data sets contain the complete level of detail coded by NCHS except where precluded by confidentiality restrictions or lack of data reliability. Specifications for the 1999 data set are as follows:

File Organization: Multiple files  
Record Type: Blocked, fixed format  
Record Length: 440  
Blocksize: 26400

#### **U.S. DATA SET:**

1. Record count:		2,394,871
2. Data counts:	a. By occurrence:	2,394,871
	b. By residence:	2,391,399
	c. To foreign residents:	3,472

#### **PUERTO RICO, VIRGIN ISLANDS, GUAM, AMERICAN SAMOA AND NORTHERN MARIANAS DATA SET:**

1. Record count:	30,931
------------------	--------

#### **PUERTO RICO:**

2. Data counts:	a. By occurrence:	29,145
	b. By residence:	28,967

#### **VIRGIN ISLANDS:**

2. Data counts:	a. By occurrence:	654
	b. By residence:	659

#### **GUAM:**

2. Data Counts:	a. By occurrence:	724
	b. By residence:	693

## **AMERICAN SAMOA:**

2. Data Counts:	a. By occurrence:	246
	b. By residence:	246

## **NORTHERN MARIANAS:**

2. Data Counts:	a. By occurrence:	162
	b. By residence:	162

1. The data were processed using the PL/1 language on an IBM 3090-200J.
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).

## **V. Tape Format and Variable Definition**

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

International Statistical Classification of Diseases and Related Health Problems, Tenth Revision (ICD-10) (1)

NCHS Instruction Manual Part 2a, Instructions for Classifying the Underlying Cause-of-Death, 1999 (2)

NCHS Instruction Manual Part 2b, Instructions for Classifying Multiple Cause-of-Death, 1999 (5)

NCHS Instruction Manual Part 2c, ICD-10 ACME Decision Tables for Classifying Underlying Causes-of-Death, 1999 (7)

NCHS Instruction Manual Part 2d, NCHS Procedures for Mortality Medical Data System File Preparation and Maintenance, Effective 1999 (8)

NCHS Instruction Manual Part 2f, ICD-10 TRANSAX Disease Reference Tables for Classifying Multiple Causes-of-Death, 1999 (6)

NCHS Instruction Manual Part 4, Demographic Classification and Coding  
Instructions for Death Records, 1999 (9)

NCHS Instruction Manual Part 11, Computer Edits for Mortality Data, Effective  
1999 (4)

These documents describe in detail the rules employed for demographic and medical classification on death records. Volumes 1, 2 and 3 of the ICD-10 may be purchased from the World Health Organization (WHO) Publication Center USA, 49 Sheridan Avenue, Albany, New York, 12210 (<http://www.who.int/whosis/icd10/index.html>). An electronic version of WHO's ICD-10 can be found at <http://www3.who.int/icd/vol1htm2003/fr-icd.htm>. The remaining documents, while not absolutely essential to the proper interpretation of the data for a number of general applications, should nevertheless be studied carefully prior to any detailed analysis of demographic or medical data variables. In particular, there are a number of 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, Mortality Medical Classification Branch, Division of Vital Statistics, 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 and can also be found at the following address: <http://www.cdc.gov/nchs/about/major/dvs/mortdata.htm>

## **VI. Additional Information**

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

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



Several basic tabulations of data from selected variables contained on this data set have been produced and are included with this document as an aid to the user in determining if his/her own tabulations are correct. For verification of multiple cause-of-death data at the “each cause” level of detail, Control Total Table 1 provides counts of the number of deaths for which a given ICD-10 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. Control Total Tables 2-5 provide additional control totals for the three cause-of-death fields by age, race, and sex. Control Total Tables 1-5 are based on resident deaths in the United States (excludes deaths to non-residents). Control Total Table 6 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 references 10-13.

When further analytical assistance is needed, contact the Mortality Statistics Branch, Division of Vital Statistics, NCHS, 3311 Toledo Road, Room 7318, Hyattsville, Maryland 20782, Telephone (301) 458-4666. For technical assistance pertaining to the creation of the mortality public use data set, contact Chief, Mortality Medical Classification Branch, Division of Vital Statistics, NCHS, P.O. Box 12214, Research Triangle Park, North Carolina 27709.

## VII. References

1. World Health Organization. International Statistical Classification of Diseases and Related Health Problems, Tenth Revision (ICD-10). Geneva: World Health Organization. 1992.
2. National Center for Health Statistics. Vital statistics, instructions for classifying the underlying cause of death, 1999. NCHS instruction manual; part 2a. Hyattsville, Maryland: Public Health Service. (Available at the following address: <http://www.cdc.gov/nchs/about/major/dvs/im.htm>)
3. Hetzel AM. History and organization of the vital statistics system. National Center for Health Statistics. 1997.
4. National Center for Health Statistics. Vital statistics, computer edits for mortality data, effective 1999. NCHS instruction manual; part 11. Hyattsville, Maryland: Public Health Service. (Available at the following address: <http://www.cdc.gov/nchs/about/major/dvs/im.htm>)
5. National Center for Health Statistics. Vital statistics, instructions for classifying multiple cause-of-death, 1999. NCHS instruction manual; part 2b. Hyattsville, Maryland: Public Health Service. (Available at the following address: <http://www.cdc.gov/nchs/about/major/dvs/im.htm>)
6. National Center for Health Statistics. Vital statistics, ICD-10 TRANSAX disease reference tables for classifying multiple causes-of-death, 1999. NCHS instruction manual; part 2f. Hyattsville, Maryland: Public Health Service.
7. National Center for Health Statistics. Vital statistics, ICD-10 ACME decision tables for classifying underlying causes-of-death, 1999. NCHS instruction manual; part 2c. Hyattsville, Maryland: Public Health Service. (Available at the following address: <http://www.cdc.gov/nchs/about/major/dvs/im.htm>)
8. National Center for Health Statistics. Vital statistics, NCHS procedures for mortality medical data system file preparation and maintenance, effective 1999. NCHS instruction manual; part 2d. Hyattsville, Maryland: Public Health Service.
9. National Center for Health Statistics. Vital statistics, demographic classification and coding instructions for death records, 1999. NCHS instruction manual; part 4. Hyattsville, Maryland: Public Health Service. (Available at the following address: <http://www.cdc.gov/nchs/about/major/dvs/im.htm>)
10. 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. (Available at the following address: <http://www.cdc.gov/nchs/products/pubs/pubd/mvsr/supp/40-31/40-31.htm>)

11. 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. (Available at the following address:  
<http://www.cdc.gov/nchs/products/pubs/pubd/series/sr01/20-1/20-1.htm>)
12. 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.
13. Manton, K.G. and Stallard, E. Recent trends in mortality analysis. Orlando, Florida; Academic Press, inc., 1984.

VI. List of File Data Elements and Tape Locations

Data Items		Tape Locations
1.	General	
a.	Record Type	19
b.	Resident status	20
c.	Place of death and decedent=s status	75
d.	Day of week of death	83
e.	Date of data receipt	110-114
f.	Data year	115-118
g.	<b>Manner of death</b>	<b>139</b>
h.	<b>Activity code</b>	<b>140</b>
i.	<b>Place of injury</b>	<b>141</b>
2.	Occurrence	
a.	Reporting Area	3
b.	State	21-22,28
c.	Expanded State	29-30
d.	County	23-25
e.	County Population size	49
f.	Region	26
g.	Division	27
h.	FIPS State	119-120
i.	FIPS County	121-123
3.	Residence	
a.	State	31-32,43
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 Place	97-101
o.	FIPS PMSA/MSA	129-132
p.	FIPS CMSA	134-135
4.	The Decedent	
a.	Month of Death	55-56
b.	Sex	59
c.	Race	60-63
d.	Age	64-74
e.	Marital status	77
f.	State of birth	78-79
g.	Hispanic origin	80-81,82
h.	Kind of Business or Industry	85-87
i.	Usual Occupation	88-90

j. Education 52-53,54  
Data Items-Con.

5. Underlying Cause  
a. **ICD-10 code** 142-145  
b. **358 cause recode** **146-148**  
c. **113 cause recode** 151-153  
d. **130 cause recode** 154-156  
e. **39 cause recode** **157-158**  
f. **Place of injury** 141  
g. Injury at work 136

6. Multiple Conditions  
a. Entity-Axis conditions  
1. Number of 160-161  
2. The conditions 162-301  
h. Record-Axis conditions  
1. Number of 338-339  
2. The conditions 341-440

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
1-3	2	<u>Reserved Positions</u> These positions are blank.
4-9	6	<u>Certificate Number</u> These positions are blank.
10-11	2	<u>Reserved Positions</u>
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.
20	1	<u>Resident Status</u>  United States Occurrence  1     ...     RESIDENTS State and County of Occurrence and Residence are the same. 2     ...     INTRASTATE NONRESIDENTS State of Occurrence and Residence are the same, but County is different. 3     ...     INTERSTATE NONRESIDENTS State of Occurrence and Residence are different, but both are in the U.S. 4     ...     FOREIGN RESIDENTS State of Occurrence is one of the 50 States or the District of Columbia, but Place of Residence is outside of the U.S.  Puerto Rico Occurrence  1     ...     RESIDENTS Territory and County-equivalent of Occurrence and Residence are the same. 2     ...     INTRASTATE NONRESIDENTS Territory of Occurrence and Residence are the same, but County-equivalent is different. 4     ...     FOREIGN RESIDENTS Occurred in Puerto Rico to a resident of any other place.

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
20	1	<u>Resident Status - Con.</u>
		Virgin Islands Occurrence
	1	... RESIDENTS Territory and County-equivalent of Occurrence and Residence are the same.
	2	... INTRASTATE NONRESIDENTS Territory of Occurrence and Residence are the same, but County-equivalent is different.
	4	... FOREIGN RESIDENTS Occurred in Virgin Islands to a resident of any other place.
		Guam Occurrence
	1	... RESIDENTS Occurred in Guam to a resident of Guam or to a resident of the U.S.
	4	... FOREIGN RESIDENTS Occurred in Guam to a resident of any place other than Guam or the U.S.
		American Samoa Occurrence
	1	... RESIDENTS Territory and County-equivalent of Occurrence and Residence are the same.
	2	... INTRASTATE NONRESIDENTS Territory of Occurrence and Residence are the same, but County-equivalent is different.
	4	... FOREIGN RESIDENTS Occurred in American Samoa to a resident of any other place.
		Northern Marianas Occurrence
	1	... RESIDENTS Territory and County-equivalent of Occurrence and Residence are the same.
	2	... INTRASTATE NONRESIDENTS Territory of Occurrence and Residence are the same, but County-equivalent is different.
	4	... FOREIGN RESIDENTS Occurred in Northern Marianas to a resident of any other place.

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>																																																																														
21-30	10	<p><u>PLACE OF OCCURRENCE</u></p> <p>Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes. Some Geographic Codes have changed to reflect the results of the 1990 Census.</p>																																																																														
21-22	2	<p><u>State of Occurrence</u></p> <p>United States</p> <table border="0"> <tr><td>01</td><td>... Alabama</td></tr> <tr><td>02</td><td>... Alaska</td></tr> <tr><td>03</td><td>... Arizona</td></tr> <tr><td>04</td><td>... Arkansas</td></tr> <tr><td>05</td><td>... California</td></tr> <tr><td>06</td><td>... Colorado</td></tr> <tr><td>07</td><td>... Connecticut</td></tr> <tr><td>08</td><td>... Delaware</td></tr> <tr><td>09</td><td>... District of Columbia</td></tr> <tr><td>10</td><td>... Florida</td></tr> <tr><td>11</td><td>... Georgia</td></tr> <tr><td>12</td><td>... Hawaii</td></tr> <tr><td>13</td><td>... Idaho</td></tr> <tr><td>14</td><td>... Illinois</td></tr> <tr><td>15</td><td>... Indiana</td></tr> <tr><td>16</td><td>... Iowa</td></tr> <tr><td>17</td><td>... Kansas</td></tr> <tr><td>18</td><td>... Kentucky</td></tr> <tr><td>19</td><td>... Louisiana</td></tr> <tr><td>20</td><td>... Maine</td></tr> <tr><td>21</td><td>... Maryland</td></tr> <tr><td>22</td><td>... Massachusetts</td></tr> <tr><td>23</td><td>... Michigan</td></tr> <tr><td>24</td><td>... Minnesota</td></tr> <tr><td>25</td><td>... Mississippi</td></tr> <tr><td>26</td><td>... Missouri</td></tr> <tr><td>27</td><td>... Montana</td></tr> <tr><td>28</td><td>... Nebraska</td></tr> <tr><td>29</td><td>... Nevada</td></tr> <tr><td>30</td><td>... New Hampshire</td></tr> <tr><td>31</td><td>... New Jersey</td></tr> <tr><td>32</td><td>... New Mexico</td></tr> <tr><td>33</td><td>... New York</td></tr> <tr><td>34</td><td>... North Carolina</td></tr> <tr><td>35</td><td>... North Dakota</td></tr> <tr><td>36</td><td>... Ohio</td></tr> <tr><td>37</td><td>... Oklahoma</td></tr> <tr><td>38</td><td>... Oregon</td></tr> <tr><td>39</td><td>... Pennsylvania</td></tr> </table>	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
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																																																																															



1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
21-22	2	<u>State of Occurrence - Con.</u>  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  Puerto Rico  52            ...Puerto Rico  Virgin Islands  53            ...Virgin Islands  Guam  54            ...Guam  American Samoa  61            ...American Samoa  Northern Marianas  62            ...Northern Marianas
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.) A complete list of counties is shown in the Geographic Code Outline further back in this document.

1999  
Mortality Multiple Cause-of-Death Public Use Record

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

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.

000	...	Not applicable: Puerto Rico, Virgin Islands, Guam, or American Samoa occurrence.
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

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
26	1	<u>Region</u>
27-28	2	<u>Division and State Subcode of Occurrence - Con.</u>
	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
29-30	2	<u>Expanded State of Occurrence Code</u>

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

United States

- 01 ... Alabama
- 02 ... Alaska
- 03 ... Arizona
- 04 ... Arkansas
- 05 ... California
- 06 ... Colorado
- 07 ... Connecticut
- 08 ... Delaware
- 09 ... District of Columbia
- 10 ... Florida
- 11 ... Georgia

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
29-30	2	<u>Expanded State of Occurrence - Con.</u>
	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
		Puerto Rico
	53	... Puerto Rico
		Virgin Islands
	54	... Virgin Islands

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
29-30	2	<u>Expanded State of Occurrence - Con.</u>  Guam 55                    ... Guam  American Samoa 62                    ...American Samoa  Northern Marianas 63                    ...Northern Marianas
31-48	18	<u>PLACE OF RESIDENCE</u>  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>  United States Occurrence  01                    ... Alabama 02                    ... Alaska 03                    ... Arizona 04                    ... Arkansas 05                    ... California 06                    ... Colorado 07                    ... Connecticut 08                    ... Delaware 09                    ... District of Columbia 10                    ... Florida 11                    ... Georgia 12                    ... Hawaii 13                    ... Idaho 14                    ... Illinois 15                    ... Indiana 16                    ... Iowa 17                    ... Kansas 18                    ... Kentucky 19                    ... Louisiana 20                    ... Maine 21                    ... Maryland 22                    ... Massachusetts 23                    ... Michigan 24                    ... Minnesota 25                    ... Mississippi 26                    ... Missouri 27                    ... Montana 28                    ... Nebraska 29                    ... Nevada

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
31-32	2	<u>State of Residence - Con.</u> U.S. Occurrence
		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
		52-57,59,61 ... Foreign residents
		52 ... Puerto Rico
		53 ... Virgin Islands
		54 ... Guam
		55 ... Canada
		56 ... Cuba
		57 ... Mexico
		59 ... Remainder of the world
		61 ... American Samoa
		62 ... Northern Marianas

Puerto Rico Occurrence

52 ... Puerto Rico  
01-51,53-  
57,59,61... Foreign residents: refer to U.S. for specific code structure.

Virgin Islands Occurrence

53 ... Virgin Islands  
01-52,54-  
57,59,61... Foreign residents: refer to U.S. for specific code structure.

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
31-32	2	<p><u>State of Residence - Con.</u> U.S. Occurrence</p> <p>Guam Occurrence</p> <p>54 ... Guam 01-51 ... U.S. resident. Also considered a resident of Guam. 52-53,55-57, 59,61 ... Foreign residents: refer to U.S. for specific code structure.</p> <p>American Samoa Occurrence</p> <p>61 ... American Samoa 01-57, 59 ... Foreign residents: refer to U.S. for specific code structure.</p> <p>Northern Marianas Occurrence</p> <p>62 ... Northern Marianas 01-57, 59,61 ... Foreign residents: refer to U.S. for specific code structure.</p>
33-35	3	<p><u>County of Residence</u></p> <p>001-nnn ... Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State. (Note: to uniquely identify a county, both the State and county codes must be used.) A complete list of counties is shown in the Geographic Code outline further back in this document.</p> <p>zzz ... Foreign residents</p>
36-38	3	<p><u>City of Residence</u></p> <p>001-nnn ... Cities are numbered alphabetically within each State and identify each city with a population of 10,000 or more in 1990. (Note: To uniquely identify a city, both the State and city codes must be used. State, county and city codes may also be used.)</p> <p>999 ... balance of county ZZZ ... Foreign residents</p>

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
39	1	<u>Population Size of City of Residence</u>  Based on the results of the 1990 Census.  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. Z                   ...Foreign residents
40	1	<u>Metropolitan - Nonmetropolitan County of Residence</u>  NOTE: American Samoa, Guam and the Virgin Islands do not have any metropolitan areas.  1                   ...Metropolitan county 2                   ...Nonmetropolitan county Z                   ...Foreign residents
41	1	<u>Region</u>
42-43	2	<u>Division and State Subcode of Residence</u>  States are codes within Division. 41 is Region. 42 is Division. 43 is State subcode. APPLICABLE TO U.S. ONLY.  000                   ... Foreign residents 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



1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
41-43	3	Region <u>Division and State of Residence - Con.</u>
		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

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
44-45	2	<u>Expanded State of Residence Code</u>

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

United States Occurrence

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

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
44-45	2	<u>Expanded State of Residence Code - Con.</u>
		43 ... South Dakota
		44 ... Tennessee
		45 ... Texas
		46 ... Utah
		47 ... Vermont
		48 ... Virginia
		49 ... Washington
		50 ... West Virginia
		51 ... Wisconsin
		52 ... Wyoming
		53-58, 60, 62 ... Foreign Residents
		53 ... Puerto Rico
		54 ... Virgin Island
		55 ... Guam
		56 ... Canada
		57 ... Cuba
		58 ... Mexico
		60 ... Remainder of the world
		62 ... American Samoa
		 Puerto Rico Occurrence
		53 ... Puerto Rico
		01-52, 54-58,60,62 ... Foreign residents: refer to U.S. for specific code structure.
		 Virgin Islands Occurrence
		54 ... Virgin Islands
		01-53,55-58,60,62 ... Foreign residents: refer to U.S. for specific code structure.
		 Guam Occurrence
		55 ... Guam
		01-52 ... U.S. resident. Also considered a resident of Guam.
		53-54, 56-58, 60,62 ... Foreign residents: refer to U.S. for specific code structure.
		 American Samoa Occurrence
		62 ... American Samoa
		01-58, 60 ... Foreign residents: refer to U.S. for specific code structure.

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
44-45	2	<p><u>Expanded State of Residence - Con.</u></p> <p>Northern Marianas Occurrence</p> <p>63 ... Northern Marianas 01-58, 60,62 ... Foreign residents: refer to U.S. for specific code structure.</p>
46-48	3	<p><u>NCHS 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 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>000 ... Nonmetropolitan counties 001-311 ... Code range 999 ... Area of less than 100,000 population ZZZ ... Foreign residents</p>
49	1	<p><u>Population Size of County of Occurrence</u></p> <p>Based on the results of the 1990 Census</p> <p>0 ... County of 1,000,000 or more 1 ... County of 500,000 to 1,000,000 2 ... County of 250,000 to 500,000 3 ... County of 100,000 to 250,000 9 ... County of less than 100,000</p>
50	1	<p><u>Population Size of County of Residence</u></p> <p>Based on the results of the 1990 Census</p> <p>0 ... County of 1,000,000 or more 1 ... County of 500,000 to 1,000,000 2 ... County of 250,000 to 500,000 3 ... County of 100,000 to 250,000 9 ... Count of less than 100,000 Z ... Foreign residents</p>

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
51	1	<u>PMSA/MSA Population Size</u>  Based on the results of the 1990 Census  1 ... Area of 250,000 or more 2 ... Area of 100,000 to 250,000 9 ... Area of less than 100,000 or nonmetropolitan area Z ... Foreign residents
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

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
57-58	2	<u>Reserved Positions</u>
59	1	<u>Sex</u>
	1	... Male
	2	... Female
60-63	4	<u>RACE</u>
60-61	2	<u>Detail Race</u>

United States Occurrence

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

01	... White
02	... Black
03	... American Indian (includes Aleuts and Eskimos)
04	... Chinese
05	... Japanese
06	... Hawaiian (includes Part-Hawaiian)
07	... Filipino
18	... Asian Indian
28	... Korean
38	... Samoan
48	... Vietnamese
58	... Guamanian
68	... Other Asian or Pacific Islander in areas reporting codes 18-58
78	... Combined other Asian or Pacific Islander, includes codes 18-68 for areas that do not report them separately

Puerto Rico Occurrence

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

Virgin Islands Occurrence

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

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
60-61	2	<u>Detail Race - Con.</u>  Guam Occurrence  01 ... White 02 ... Black 03 ... American Indian (Includes Aleuts and Eskimos) 04 ... Chinese 05 ... Japanese 06 ... Hawaiian (includes Part-Hawaiian) 07 ... Filipino 08 ... Other Asian or Pacific Islander 58 ... Guamanian  American Samoa Occurrence  01 ... White 02 ... Black 03 ... American Indian (includes Aleuts and Eskimos) 04 ... Chinese 05 ... Japanese 06 ... Hawaiian (includes Part-Hawaiian) 07 ... Filipino 08 ... Other Asian or Pacific Islander  Northern Marianas Occurrence  01 ... White 02 ... Black 03 ... American Indian (includes Aleuts and Eskimos) 04 ... Chinese 05 ... Japanese 06 ... Hawaiian (includes Part-Hawaiian) 07 ... Filipino 18 ... Asian Indian 28 ... Korean 38 ... Samoan 48 ... Vietnamese 58 ... Guamanian 68 ... Other Asian or Pacific Islander in areas reporting codes 18-58 78 ... Combined other Asian or Pacific Islander, includes 18-68 for areas that do not report them separately
62	1	<u>Race Recode 3</u>  1 ... White 2 ... Races other than White or Black 3 ... Black

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
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 01-03,99 ... Weeks 4 01-27,99 ... Days 5 01-23, 99 ... Hours 6 01-59, 99 ... Minutes 9 99 ... Age not stated
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



1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
67-68	2	<u>Age Recode 52 - Con.</u>
		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
69-70	2	<u>Age Recode 27</u>
		01 ... Under 1 month (includes not stated weeks, days, hours, and minutes)
		02 ... 1 month - 11 months (includes not stated months)
		03 ... 1 years
		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

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
69-70	2	<u>Age Recode 27 - Con.</u>
		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
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 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

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
73-74	2	<u>Infant Age Recode 22 - Con.</u>  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
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

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
78-79	2	<u>State of Birth - Con.</u>
	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 Island
	54	... Guam
	55	... Canada
	56	... Cuba
	57	... Mexico
	59	... Remainder of the world
	61	... American Samoa

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
78-79	2	<u>State of Birth - Con.</u>  62                   ...Northern Marianas 99                   ... State of birth unknown
80-81	2	<u>Hispanic Origin</u> Beginning data year 1997 all States report 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	<u>Hispanic Origin/Race Recode</u>  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	<u>Day of Week of Death</u>  1                    ...       Sunday 2                    ...       Monday 3                    ...       Tuesday 4                    ...       Wednesday 5                    ...       Thursday 6                    ...       Friday 7                    ...       Saturday 9                    ...       Unknown
84	1	<u>Reserved Position</u>

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
85-87	3	<p><u>Kind of Business or Industry</u></p> <p>This item is not reported by all States. Refer to the Addendum to the Technical Appendix at the back of this publication for a list of reporting States.</p> <p>A new coding structure was instituted for the 1993 data year. For a complete list of categories and codes refer to:</p> <p style="padding-left: 40px;">U.S. Bureau of the Census: Classified index of industries and occupations. 1990 Census of Population and Housing. First Edition. Washington. U.S. Government Printing Office, April 1992.</p> <p>010-960                      ...              Code range (not inclusive)</p> <p>In addition to the codes shown in the Census publication, the following codes are also applicable:</p> <p>961                              ...              Own home/At home  970                              ...              Retired; with no other industry reported  990                              ...              Blank, Unknown, NA</p>
88-90	3	<p><u>Usual Occupation</u></p> <p>This item is not reported by all States. Refer to the Addendum to the Technical Appendix at the back of this publication for a list of reporting States. A new coding structure was instituted for the 1993 data year. For a complete list of categories and codes refer to the Census Bureau publication mentioned above.</p> <p>003-905                      ...              Code range (not inclusive)</p> <p>In addition to the codes shown in the Census publication, the following codes are also applicable:</p> <p>913                              ...              Retired; with no other occupation reported  914                              ...              Housewife/Homemaker  915                              ...              Student  916                              ...              Volunteer  917                              ...              Unemployed, never worked, disabled, child, infant  999                              ...              Blank, Unknown, NA</p>
91-96	6	<p><u>Reserved Positions</u></p>

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
97-101	5	<p><u>Place (city) of Residence (FIPS)</u></p> <p>A complete list of cities is shown in the Geographic code outline further back in this document. Effective with the 1994 data year, the FIPS place code has been added to the Mortality record. It identifies each city of 100,000 population or more in 1990.</p> <p>00000           ...       Foreign residents 00001- nnnnn           ...       code range 99999           ...       Balance of county; or city of less than 100,000 population</p>
102-114	13	<u>Reserved Positions</u>
115-118	4	<p><u>Current Data Year</u></p> <p>1999    ...1999</p>
119-132	14	<p><u>FEDERAL INFORMATION PROCESSING STANDARDS (FIPS) GEOGRAPHIC CODES</u></p> <p>Refer to the Geographic Code Outline further back in this document for a detailed list of areas and codes. For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications. Some geographic codes have been changed to reflect the results of the 1990 Census.</p>
119-120	2	<p><u>State of Occurrence (FIPS)</u></p> <p>United States</p> <p>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</p>

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
119-120	2	<u>State of Occurrence (FIPS) - Con.</u>
	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
		 Puerto Rico
	72	... Puerto Rico
		 Virgin Islands
	78	... Virgin Islands
		 Guam
	66	... Guam



1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
119-120	2	<u>State of Occurrence (FIPS) - Con.</u>  American Samoa  60                    ...        American Samoa  Northern Marianas  69                    ...        Northern Marianas
121-123	3	<u>County of Occurrence (FIPS)</u>  Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State and identify each county with a population of 100,000 or more in 1990. (Note: To uniquely identify a county, both the state and county codes must be used.) A complete list of counties is shown in the Geographic Code Outline further back in this document.  001-nnn ...        Code range 999                    ...        County of less than 100,000 population
124-125	2	<u>State of Residence (FIPS)</u>  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

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
124-125	2	<u>State of Residence (FIPS) - Con.</u>
	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
		 Puerto Rico Occurrence
	72	... Puerto Rico
	00-56,60, 66,	
	78	... Foreign residents: refer to U.S. for specific code structure.
		 Virgin Islands Occurrence
	78	... Virgin Islands
	00-56,60, 66,	
	72	... Foreign residents: refer to U.S. for specific code structure.
		 Guam Occurrence
	66	... Guam
	01-56	... U.S. Resident. Also considered a resident of Guam.
	00, 60, 72, 78 ...	Foreign residents: refer to U.S. for specific code structure.

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
124-125	2	<p><u>State of Residence (FIPS) - Con.</u></p> <p>American Samoa Occurrence</p> <p>60                   ...       American Samoa 00-56, 66, 72, 78               ...       Foreign residents: refer to U.S. for specific code structure.</p> <p>Northern Marianas Occurrence</p> <p>69                   ...       Northern Marianas 00-56,60,66 72,78               ...       Foreign residents: refer to U.S. for specific code structure.</p>
126-128	3	<p><u>County of Residence (FIPS)</u></p> <p>Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State and identify each county with a population of 100,000 or more in 1990. (Note: To uniquely identify a county, both the state and county codes must be used.) A complete list of counties is shown in the Geographic Code Outline further back in this document.</p> <p>000                   ...       Foreign residents 001-nnn ...       Code range 999                   ...       County of less than 100,000 population</p>
129-132	4	<p><u>PMSA/MSA of Residence (FIPS)</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 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>
129-132	4	<p><u>PMSA/MSA of Residence (FIPS) - Con.</u></p> <p>0000               ...       Nonmetropolitan counties or foreign residents 0040-9360       ...       Code range 9999               ...       Area of less than 100,000 population</p>
133	1	<p><u>Reserved Position</u></p>

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
134-135	2	<p><u>CMSA of Residence (FIPS)</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 1990.</p> <p>All Areas</p> <p>00                   ...           Not a CMSA</p> <p>United States Occurrence</p> <p>07                   ...           Boston - Worcester-Lawrence, MA-NH-ME-CT, CMSA            14                   ...           Chicago - Gary-Kenosha, IL-IN-WI, CMSA            21                   ...           Cincinnati - Hamilton, OH-KY-IN, CMSA            28                   ...           Cleveland - Akron, OH, CMSA            31                   ...           Dallas - Fort Worth, TX, CMSA            34                   ...           Denver - Boulder-Greeley, CO, CMSA            35                   ...           Detroit - Ann Arbor-Flint, MI, CMSA            42                   ...           Houston - Galveston-Brazoria, TX, CMSA            49                   ...           Los Angeles -Riverside- Orange County, CA, CMSA            56                   ...           Miami - Fort Lauderdale, FL, CMSA</p>
134-135	2	<p><u>CMSA of Residence (FIPS)</u></p> <p>63                   ...           Milwaukee - Racine, WI, CMSA            70                   ...           New York -Northern New Jersey-Long Island, NY-NJ-CT-PA, CMSA            77                   ...           Philadelphia - Wilmington-Atlantic City, PA-NJ-DE-MD, CMSA            79                   ...           Portland - Salem , OR-WA, CMSA            82                   ...           Sacramento - Yolo, CA, CMSA            84                   ...           San Francisco -Oakland-San Jose, CA, CMSA            91                   ...           Seattle - Tacoma-Bremerton, WA, CMSA            97                   ...           Washington - Baltimore, DC-MD-VA-WV, CMSA</p> <p>Puerto Rico Occurrence</p> <p>87                   ...           San Juan -Caguas-Arecibo, PR, CMSA</p>
136	1	<p><u>Injury at Work</u></p> <p>1                    ...           Yes            2                    ...           No            9                    ...           Unknown</p>

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
137	1	<u>Race Imputation Flag</u>  Blank ... Race is not imputed 1 ... Unknown race is imputed 2 ... All other races, formerly code 09, is imputed
138	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
139	1	<u>Manner of Death</u>  <b>1 ... Accident</b> <b>2 ... Suicide</b> <b>3 ... Homicide</b> <b>4 ... Pending investigation</b> <b>5 ... Could not determine</b> <b>6 ... Self-Inflicted</b> <b>7 ... Natural</b> <b>blank ... Not specified</b>
140	1	<u>Activity Code</u>  <b>0 ... While engaged in sports activity</b> <b>1 ... While engaged in leisure activity</b> <b>2 ... While working for income</b> <b>3 ... While engaged in other types of work</b> <b>4 ... While resting, sleeping, eating (vital activities)</b> <b>8 ... While engaged in other specified activities</b> <b>9 ... During unspecified activity</b> <b>blank ... Not applicable</b>
141	1	<u>Place of Injury for Causes W00-Y34, except Y06.- and Y07.-</u>  0 ... Home 1 ... Residential institution 2 ... School, other institution and public administrative area 3 ... Sports and athletics area 4 ... Street and highway 5 ... Trade and service area 6 ... Industrial and construction area 7 ... Farm 8 ... Other Specified Places 9 ... Unspecified place Blank ... Causes other than W00-Y34, except Y06.- and Y07.-

1999  
Mortality Multiple Cause-of-Death Public Use 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 (10<sup>th</sup> Revision)</u>  See the <u>International Classification of Diseases, 1992 Revision, Volume 1.</u>
<b>146-148</b>	<b>3</b>	<b><u>358 Cause Recode</u></b>  A recode of the ICD cause code into 358 groups for NCHS publications. Further back in this document is a complete list of recodes and the causes included.  001-456 ... Code range (not inclusive)
<b>149-150</b>	<b>2</b>	<b>Reserved Positions</b>
151-153	3	<u>113 Cause Recode</u>  A recode of the ICD cause code into 113 groups for NCHS publications. Further back in this document is a complete list of recodes and the causes included.  001-135 ... Code range (not inclusive)
154-156	3	<u>130 Infant Cause Recode</u>  A recode of the ICD cause code into 130 groups for NCHS publications. Further back in this document is a complete list of recodes and the causes included.  001-158... Code range (not inclusive)
<b>157-158</b>	<b>2</b>	<b><u>39 Cause Recode</u></b>  A recode of the ICD cause code into 39 groups for NCHS publications. Further back in this document is a complete list of recodes and the causes included.  01-42 ... Code range (not inclusive)
<b>159</b>	<b>1</b>	<b><u>Reserved Position</u></b>
160-440	281	<u>MULTIPLE CONDITIONS</u>
160-161	2	<u>Number of Entity-Axis Conditions</u>  00-20 ... Code range

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
162-301	140	<u>ENTITY - AXIS CONDITIONS</u>

Space has been provided for maximum of 20 conditions. Each condition takes 7 positions in the record. **The 7<sup>th</sup> position will be blank.** Records that do not have 20 conditions are blank in the unused area.

Position 1: Part/line number on certificate

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

Position 2: Sequence of condition within part/line

1-7	...	Code range
-----	-----	------------

Position 3 - 6: Condition code

See Table 1 for a complete list of codes

162-168	7	1 <sup>st</sup> Condition
169-175	7	2 <sup>nd</sup> Condition
176-182	7	3 <sup>rd</sup> Condition
183-189	7	4 <sup>th</sup> Condition
190-196	7	5 <sup>th</sup> Condition
197-203	7	6 <sup>th</sup> Condition
204-210	7	7 <sup>th</sup> Condition
211-217	7	8 <sup>th</sup> Condition
218-224	7	9 <sup>th</sup> Condition
225-231	7	10 <sup>th</sup> Condition
232-238	7	11 <sup>th</sup> Condition
239-245	7	12 <sup>th</sup> Condition

1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
246-252	7	13 <sup>th</sup> Condition
162-301	140	<u>ENTITY - AXIS CONDITIONS - Con.</u>
253-259	7	14 <sup>th</sup> Condition
260-266	7	15 <sup>th</sup> Condition
267-273	7	16 <sup>th</sup> Condition
274-280	7	17 <sup>th</sup> Condition
281-287	7	18 <sup>th</sup> Condition
288-294	7	19 <sup>th</sup> Condition
295-301	7	20 <sup>th</sup> Condition
302-337	36	<u>Reserved Positionss</u>
338-339	2	<u>Number of Record-Axis Conditions</u>
		00-20            ... Code range
340	1	<u>Reserved Position (TRANSAX flag)</u>
341-440	100	<u>RECORD - AXIS CONDITIONS</u>

Space has been provided for a maximum of 20 conditions. Each condition takes 5 positions in the record. **The 5<sup>th</sup> position will be blank.** 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

341-345	5	1 <sup>st</sup> Condition
346-350	5	2 <sup>nd</sup> Condition
351-355	5	3 <sup>rd</sup> Condition
356-360	5	4 <sup>th</sup> Condition
361-365	5	5 <sup>th</sup> Condition
366-370	5	6 <sup>th</sup> Condition



1999  
Mortality Multiple Cause-of-Death Public Use Record

<u>Tape Location</u>	<u>Field Size</u>	<u>Item and Code Outline</u>
341-440	100	<u>RECORD - AXIS CONDITIONS - Con.</u>
371-375	5	7 <sup>th</sup> Condition
376-380	5	8 <sup>th</sup> Condition
381-385	5	9 <sup>th</sup> Condition
386-390	5	10 <sup>th</sup> Condition
391-395	5	11 <sup>th</sup> Condition
396-400	5	12 <sup>th</sup> Condition
401-405	5	13 <sup>th</sup> Condition
406-410	5	14 <sup>th</sup> Condition
411-415	5	15 <sup>th</sup> Condition
416-420	5	16 <sup>th</sup> Condition
421-425	5	17 <sup>th</sup> Condition
426-430	5	18 <sup>th</sup> Condition
431-435	5	19 <sup>th</sup> Condition
436-440	5	20 <sup>th</sup> Condition

## Vital Statistics Geographic Code Outline for the United States

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. Codes are effective with the 1998 data year and are based on the 1990 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.

P/MSA: Primary metropolitan statistical areas and 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 P/MSA's. Nonmetropolitan counties (code 2) are not part of any P/MSA.

City or Place: Cities/Places are numbered alphabetically within each State and identify each city with a population of 10,000 or more in 1990.

P/S: Population size code for city/place of residence based on the 1990 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 Institute of Standards and Technology (NIST) publications.

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

Since counties and cities/places are numbered within State, the State and county or the State and city/places 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/place.

Yavapai county, Arizona - State and county codes NCHS: 03 014; FIPS: 04 025.

Tupelo, Mississippi - State and city/place codes NCHS: 25 032; FIPS: 28 74840; or State, county, city/place codes NCHS: 25 041 032; FIPS: 28 081 74840.



Vital Statistics Geographic Code Outline for the United States 1  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
01						Alabama	01				
	001	188	1			Autauga		001	5	5240	
				035	6	Prattville, part					62328
				999	9	Balance of county					99999
	002	184	1			Baldwin		003	4	5160	
				010	6	Daphne					19648
				999	9	Balance of county					99999
	003	000	2			Barbour		005	5	0000	
				014	6	Eufaula					24568
				999	9	Balance of county					99999
	004	000	2	999	9	Bibb		007	6	0000	
	005	032	1	999	9	Blount		009	5	1000	
	006	000	2	999	9	Bullock		011	6	0000	
	007	000	2	999	9	Butler		013	6	0000	
	008	012	1			Calhoun		015	3	0450	
				004	5	Anniston					01852
				024	6	Jacksonville					38272
				999	9	Balance of county					99999
	009	000	2	999	9	Chambers		017	5	0000	
	010	000	2	999	9	Cherokee		019	6	0000	
	011	000	2	999	9	Chilton		021	5	0000	
	012	000	2	999	9	Choctaw		023	6	0000	
	013	000	2	999	9	Clarke		025	5	0000	
	014	000	2	999	9	Clay		027	6	0000	
	015	000	2	999	9	Cleburne		029	6	0000	
	016	000	2			Coffee		031	5	0000	

Vital Statistics Geographic Code Outline for the United States 2  
Effective with 1999 Data

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
01						Alabama	01				
				013	6	Enterprise, part					24184
				999	9	Balance of county					99999
017	094	1				Colbert	033	4	2650		
				040	6	Sheffield					69648
				999	9	Balance of county					99999
018	000	2	999	9		Conecuh	035	6	0000		
019	000	2	999	9		Coosa	037	6	0000		
020	000	2	999	9		Covington	039	5	0000		
021	000	2	999	9		Crenshaw	041	6	0000		
022	000	2				Cullman	043	4	0000		
				009	6	Cullman					18976
				999	9	Balance of county					99999
023	077	1				Dale	045	5	2180		
				012	4	Dothan, part					21184
				013	6	Enterprise, part					24184
				033	6	Ozark					57648
				999	9	Balance of county					99999
024	000	2				Dallas	047	5	0000		
				039	6	Selma					69120
				999	9	Balance of county					99999
025	000	2				De Kalb	049	4	0000		
				017	6	Fort Payne					27616
				999	9	Balance of county					99999
026	188	1				Elmore	051	5	5240		
				035	6	Prattville, part					62328
				999	9	Balance of county					99999
027	000	2	999	9		Escambia	053	5	0000		
028	105	1				Etowah	055	4	2880		

Vital Statistics Geographic Code Outline for the United States 3  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
01						Alabama	01				
				018	5	Gadsden					28696
				999	9	Balance of county					99999
029	000	2		999	9	Fayette	057	6		0000	
030	000	2		999	9	Franklin	059	5		0000	
031	000	2		999	9	Geneva	061	6		0000	
032	000	2		999	9	Greene	063	6		0000	
033	000	2		999	9	Hale	065	6		0000	
034	000	2		999	9	Henry	067	6		0000	
035	077	1				Houston	069	4		2180	
				012	4	Dothan, part					21184
				999	9	Balance of county					99999
036	000	2				Jackson	071	5		0000	
				038	6	Scottsboro					68736
				999	9	Balance of county					99999
037	032	1				Jefferson	073	1		1000	
				007	5	Bessemer					05980
				008	2	Birmingham, part					07000
				015	6	Fairfield					25120
				020	6	Homewood					35800
				021	5	Hoover, part					35896
				022	6	Hueytown					36448

Vital Statistics Geographic Code Outline for the United States 4  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
01						Alabama	01				
	037					Jefferson, con.	073	1	1000		
				030	6	Mountain Brook					51696
				046	6	Vestavia Hills					78552
				999	9	Leeds, part					99999
				999	9	Balance of county					99999
	038	000	2	999	9	Lamar	075	6	0000		
	039	094	1			Lauderdale	077	4	2650		
				016	5	Florence					26896
				999	9	Balance of county					99999
	040	072	1	999	9	Lawrence	079	5	2030		
	041	000	2			Lee	081	4	0000		
				006	5	Auburn					03076
				032	6	Opelika					57048
				034	5	Phenix City, part					59472
				999	9	Balance of county					99999
	042	129	1			Limestone	083	4	3440		
				005	6	Athens					02956
				011	5	Decatur, part					20104
				023	3	Huntsville, part					37000
				027	6	Madison, part					45784
				999	9	Balance of county					99999
	043	000	2	999	9	Lowndes	085	6	0000		
	044	000	2			Macon	087	6	0000		
				045	6	Tuskegee					77304
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 5  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
01						Alabama	01				
045	129	1				Madison	089	3	3440		
				023	3	Huntsville, part					37000
				027	6	Madison, part					45784
				999	9	Balance of county					99999
046	000	2	999	9		Marengo	091	6	0000		
047	000	2	999	9		Marion	093	5	0000		
048	000	2				Marshall	095	4	0000		
				002	6	Albertville					00988
				999	9	Balance of county					99999
049	184	1				Mobile	097	2	5160		
				028	3	Mobile					50000
				036	5	Prichard					62496
				037	6	Saraland					68160
				999	9	Balance of county					99999
050	000	2	999	9		Monroe	099	6	0000		
051	188	1				Montgomery	101	3	5240		
				029	3	Montgomery					51000
				999	9	Balance of county					99999
052	072	1				Morgan	103	3	2030		
				011	5	Decatur, part					20104
				019	6	Hartselle					33448
				999	9	Balance of county					99999
053	000	2	999	9		Perry	105	6	0000		
054	000	2	999	9		Pickens	107	6	0000		
055	000	2				Pike	109	5	0000		
				043	6	Troy					76920
				999	9	Balance of county					99999
056	000	2	999	9		Randolph	111	6	0000		



Vital Statistics Geographic Code Outline for the United States 6  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
01						Alabama	01				
	057	063	1			Russell		113	5	1800	
				034	5	Phenix City, part					59472
				999	9	Balance of county					99999
	058	032	1			St. Clair		115	4	1000	
				999	9	Balance of county					99999
				999	9	Leeds, part					99999
	059	032	1			Shelby		117	4	1000	
				001	6	Alabaster					00820
				008	2	Birmingham, part					07000
				021	5	Hoover, part					35896
				999	9	Leeds, part					99999
				999	9	Balance of county					99999
	060	000	2	999	9	Sumter		119	6	0000	
	061	000	2			Talladega		121	4	0000	
				041	6	Sylacauga					74352
				042	6	Talladega					74592
				999	9	Balance of county					99999
	062	000	2			Tallapoosa		123	5	0000	
				003	6	Alexander City					01132
				999	9	Balance of county					99999
	063	287	1			Tuscaloosa		125	3	8600	
				031	6	Northport					55200

Vital Statistics Geographic Code Outline for the United States 7  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
01						Alabama	01				
	063					Tuscaloosa, con.	125	3		8600	
				044	4	Tuscaloosa					77256
				999	9	Balance of county					99999
	064	000	2			Walker	127	4		0000	
				025	6	Jasper					38416
				999	9	Balance of county					99999
	065	000	2	999	9	Washington	129	6		0000	
	066	000	2	999	9	Wilcox	131	6		0000	
	067	000	2	999	9	Winston	133	6		0000	

Vital Statistics Geographic Code Outline for the United States 8  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
02						Alaska	02				
	001	000	2	999	9	Aleutians East		013	6	0000	
	002	000	2	999	9	Aleutians West		016	6	0000	
	003	010	1	001	3	Anchorage, coext. with Anchorage city		020	3	0380	03000
	004	000	2	999	9	Bethel		050	6	0000	
	005	000	2	999	9	Bristol Bay		060	6	0000	
	006	000	2	999	9	Dillingham		070	6	0000	
	007	000	2			Fairbanks North Star		090	4	0000	
				002	5	Fairbanks					24230
				999	9	Balance of area					99999
	008	000	2	999	9	Haines		100	6	0000	
	009	000	2	003	5	Juneau, coext. with Juneau city		110	5	0000	36400
	010	000	2	999	9	Kenai Peninsula		122	5	0000	
	011	000	2	999	9	Ketchikan Gateway		130	6	0000	
	012	000	2	999	9	Kodiak Island		150	6	0000	
	013	000	2	999	9	Lake and Peninsula		164	6	0000	
	014	000	2	999	9	Matanuska-Susitna		170	5	0000	
	015	000	2	999	9	Nome		180	6	0000	
	016	000	2	999	9	North Slope		185	6	0000	
	017	000	2	999	9	Northwest Arctic		188	6	0000	
	018	000	2	999	9	Prince of Wales-Outer Ketchikan		201	6	0000	
	019	000	2	999	9	Sitka		220	6	0000	
	020	000	2	999	9	Skagway-Hoonah-Angoon		232	6	0000	
	021	000	2	999	9	Southeast Fairbanks		240	6	0000	
	022	000	2	999	9	Valdez-Cordova		261	6	0000	
	023	000	2	999	9	Wade Hampton		270	6	0000	
	024	000	2	999	9	Wrangell-Petersburg		280	6	0000	
	025	000	2	999	9	Yakutat		282	6	0000	

Vital Statistics Geographic Code Outline for the United States 9  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
02						Alaska	02				
	026	000	2	999	9	Yukon-Koyukuk		290	6	0000	

Vital Statistics Geographic Code Outline for the United States 10  
 Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
03						Arizona	04				
	001	000	2	999	9	Apache		001	4	0000	
	002	000	2			Cochise		003	4	0000	
				006	6	Douglas					20050
				020	5	Sierra Vista					66820
				999	9	Balance of county					99999
	003	000	2			Coconino		005	4	0000	
				007	5	Flagstaff					23620
				999	9	Balance of county					99999
	004	000	2	999	9	Gila		007	5	0000	
	005	000	2	999	9	Graham		009	5	0000	
	006	000	2	999	9	Greenlee		011	6	0000	
	007	000	2	999	9	La Paz		012	6	0000	
	008	215	1			Maricopa		013	0	6200	
				001	6	Apache Junction, part					02830
				002	6	Avondale					04720
				005	4	Chandler					12000
				008	6	Fountain Hills					25300
				009	5	Gilbert					27400
				010	3	Glendale					27820
				013	2	Mesa					46000
				015	6	Paradise Valley					52930
				016	4	Peoria					54050
				017	1	Phoenix					55000
				019	3	Scottsdale					65000
				021	3	Tempe					73000
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 11  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
03						Arizona	04				
	009	159	1			Mohave		015	4	4120	
				003	6	Bullhead City					08255
				011	6	Kingman					37620
				012	6	Lake Havasu City					39370
				999	9	Balance of county					99999
	010	000	2	999	9	Navajo		017	4	0000	
	011	285	1			Pima		019	1	8520	
				022	2	Tucson					77000
				999	9	Balance of county					99999
	012	215	1			Pinal		021	3	6200	
				001	6	Apache Junction, part					02830
				004	6	Casa Grande					10530
				999	9	Balance of county					99999
	013	000	2			Santa Cruz		023	5	0000	
				014	6	Nogales					49640
				999	9	Balance of county					99999
	014	000	2			Yavapai		025	3	0000	
				018	5	Prescott					57380
				999	9	Balance of county					99999
	015	311	1			Yuma		027	3	9360	
				023	4	Yuma					85540
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 12  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
04						Arkansas	05				
	001	000	2			Arkansas		001	6	0000	
				024	6	Stuttgart					67490
				999	9	Balance of county					99999
	002	000	2	999	9	Ashley		003	6	0000	
	003	000	2	999	9	Baxter		005	5	0000	
	004	092	1			Benton		007	4	2580	
				003	6	Bentonville					05320
				019	6	Rogers					60410
				023	5	Springdale, part					66080
				999	9	Balance of county					99999
	005	000	2	999	9	Boone		009	5	0000	
	006	000	2	999	9	Bradley		011	6	0000	
	007	000	2	999	9	Calhoun		013	6	0000	
	008	000	2	999	9	Carroll		015	6	0000	
	009	000	2	999	9	Chicot		017	6	0000	
	010	000	2			Clark		019	6	0000	
				001	6	Arkadelphia					01870
				999	9	Balance of county					99999
	011	000	2	999	9	Clay		021	6	0000	
	012	000	2	999	9	Cleburne		023	6	0000	
	013	000	2	999	9	Cleveland		025	6	0000	
	014	000	2			Columbia		027	5	0000	
				015	6	Magnolia					43460
				999	9	Balance of county					99999
	015	000	2	999	9	Conway		029	6	0000	
	016	000	2			Craighead		031	4	0000	

Vital Statistics Geographic Code Outline for the United States 13  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
04						Arkansas	05				
				013	5	Jonesboro					35710
				999	9	Balance of county					99999
017	100	1				Crawford	033	5	2720		
				026	6	Van Buren					71480
				999	9	Balance of county					99999
018	178	1				Crittenden	035	5	4920		
				028	5	West Memphis					74540
				999	9	Balance of county					99999
019	000	2	999	9		Cross	037	6	0000		
020	000	2	999	9		Dallas	039	6	0000		
021	000	2	999	9		Desha	041	6	0000		
022	000	2	999	9		Drew	043	6	0000		
023	166	1				Faulkner	045	4	4400		
				006	5	Conway					15190
				999	9	Balance of county					99999
024	000	2	999	9		Franklin	047	6	0000		
025	000	2	999	9		Fulton	049	6	0000		
026	000	2				Garland	051	4	0000		
				011	5	Hot Springs					33460
				999	9	Balance of county					99999
027	000	2	999	9		Grant	053	6	0000		
028	000	2				Greene	055	5	0000		
				017	6	Paragould					53390
				999	9	Balance of county					99999
029	000	2	999	9		Hempstead	057	6	0000		
030	000	2	999	9		Hot Spring	059	5	0000		
031	000	2	999	9		Howard	061	6	0000		



Vital Statistics Geographic Code Outline for the United States 14  
 Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
04						Arkansas	05				
	032	000	2	999	9	Independence		063	5	0000	
	033	000	2	999	9	Izard		065	6	0000	
	034	000	2	999	9	Jackson		067	6	0000	
	035	216	1			Jefferson		069	4	6240	
				018	4	Pine Bluff					55310
				999	9	Balance of county					99999
	036	000	2	999	9	Johnson		071	6	0000	
	037	000	2	999	9	Lafayette		073	6	0000	
	038	000	2	999	9	Lawrence		075	6	0000	
	039	000	2	999	9	Lee		077	6	0000	
	040	000	2	999	9	Lincoln		079	6	0000	
	041	000	2	999	9	Little River		081	6	0000	
	042	000	2	999	9	Logan		083	6	0000	
	043	166	1	999	9	Lonoke		085	5	4400	
	044	000	2	999	9	Madison		087	6	0000	
	045	000	2	999	9	Marion		089	6	0000	
	046	281	1			Miller		091	5	8360	
				025	6	Texarkana					68810
				999	9	Balance of county					99999
	047	000	2			Mississippi		093	4	0000	
				004	6	Blytheville					07330

Vital Statistics Geographic Code Outline for the United States 15  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
04						Arkansas	05				
	047					Mississippi, con.	093	4		0000	
				999	9	Balance of county					99999
	048	000	2	999	9	Monroe	095	6		0000	
	049	000	2	999	9	Montgomery	097	6		0000	
	050	000	2	999	9	Nevada	099	6		0000	
	051	000	2	999	9	Newton	101	6		0000	
	052	000	2			Ouachita	103	5		0000	
				005	6	Camden					10720
				999	9	Balance of county					99999
	053	000	2	999	9	Perry	105	6		0000	
	054	000	2			Phillips	107	5		0000	
				027	6	West Helena					74450
				999	9	Balance of county					99999
	055	000	2	999	9	Pike	109	6		0000	
	056	000	2	999	9	Poinsett	111	6		0000	
	057	000	2	999	9	Polk	113	6		0000	
	058	000	2			Pope	115	5		0000	
				020	6	Russellville					61670
				999	9	Balance of county					99999
	059	000	2	999	9	Prairie	117	6		0000	
	060	166	1			Pulaski	119	2		4400	
				012	5	Jacksonville					34750
				014	3	Little Rock					41000
				016	4	North Little Rock					50450
				022	6	Sherwood					63800
				999	9	Balance of county					99999
	061	000	2	999	9	Randolph	121	6			

Vital Statistics Geographic Code Outline for the United States 16  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
04						Arkansas	05				
	062	000	2			St. Francis		123	5	0000	
				009	6	Forrest City					24430
				999	9	Balance of county					99999
	063	166	1			Saline		125	4	4400	
				002	6	Benton					05290
				999	9	Balance of county					99999
	064	000	2	999	9	Scott		127	6	0000	
	065	000	2	999	9	Searcy		129	6	0000	
	066	100	1			Sebastian		131	4	2720	
				010	4	Fort Smith					24550
				999	9	Balance of county					99999
	067	000	2	999	9	Sevier		133	6	0000	
	068	000	2	999	9	Sharp		135	6	0000	
	069	000	2	999	9	Stone		137	6	0000	
	070	000	2			Union		139	5	0000	
				007	6	El Dorado					21070
				999	9	Balance of county					99999
	071	000	2	999	9	Van Buren		141	6	0000	
	072	092	1			Washington		143	3	2580	
				008	5	Fayetteville					23290
				023	5	Springdale, part					66080
				999	9	Balance of county					99999
	073	000	2			White		145	4	0000	
				021	6	Searcy					63020
				999	9	Balance of county					99999
	074	000	2	999	9	Woodruff		147	6	0000	
	075	000	2	999	9	Yell		149	6	0000	

Vital Statistics Geographic Code Outline for the United States 17  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
	001	201	1			Alameda		001	0	5775	
				002	4	Alameda					00562
				003	6	Albany					00674
				025	3	Berkeley					06000
				073	6	Dublin					20018
				090	3	Fremont					26000
				103	3	Hayward					33000
				135	4	Livermore					41992
				173	5	Newark					50916
				179	2	Oakland					53000
				199	6	Piedmont					56938
				204	4	Pleasanton					57792
				242	4	San Leandro					68084
				287	4	Union City					81204
				999	9	Balance of county					99999
	002	000	2	999	9	Alpine		003	6	0000	
	003	000	2	999	9	Amador		005	5	0000	
	004	056	1			Butte		007	3	1620	
				042	5	Chico					13014
				184	6	Oroville					54386
				193	5	Paradise					55520
				999	9	Balance of county					99999
	005	000	2	999	9	Calaveras		009	5	0000	
	006	000	2	999	9	Colusa		011	6	0000	
	007	201	1			Contra Costa		013	1	5775	

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
				006	4	Antioch					02252
				052	3	Concord					16000
				064	5	Danville					17988
				077	6	El Cerrito					21796
				105	6	Hercules					33308
				118	6	Lafayette					39122
				151	5	Martinez					46114
				167	6	Moraga Town					49194
				183	6	Orinda					54232
				200	6	Pinole					57288
				201	5	Pittsburg					57456
				203	5	Pleasant Hill					57764
				218	4	Richmond					60620
				247	5	San Pablo					68294
				249	5	San Ramon					68378
				295	4	Walnut Creek					83346
				999	9	Balance of county					99999
008	000	2		999	9	Del Norte	015	6		0000	
009	239	1				El Dorado	017	3		6920	
				270	6	South Lake Tahoe					73108
				999	9	Balance of county					99999
010	104	1				Fresno	019	1		2840	
				047	4	Clovis					14218
				091	2	Fresno					27000
				216	6	Reedley					60242
				238	6	Sanger					67056
				264	6	Selma					70882
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 19  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
	011	000	2	999	9	Glenn		021	6	0000	
	012	000	2			Humboldt		023	3	0000	
				009	6	Arcata				02476	
				083	5	Eureka					23042
				999	9	Balance of county					99999
	013	000	2			Imperial		025	3	0000	
				027	6	Brawley					08058
				032	6	Calexico					09710
				076	5	El Centro					21782
				999	9	Balance of county					99999
	014	000	2	999	9	Inyo		027	6	0000	
	015	020	1			Kern		029	1	0680	
				016	3	Bakersfield					03526
				066	6	Delano					18394
				219	5	Ridgecrest					60704
				296	6	Wasco					83542
				999	9	Balance of county					99999
	016	000	2			Kings		031	3	0000	
				053	6	Corcoran					16224
				100	5	Hanford					31960
				134	6	Lemoore					41152

Vital Statistics Geographic Code Outline for the United States 20  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S Area Names	St	Cnty	P/S	P/MSA	Place
05					California					
				06						
016					Kings, con.	031	3		0000	
				999	9 Balance of county					99999
017	000	2			Lake	033	4		0000	
				046	6 Clearlake					13945
				999	9 Balance of county					99999
018	000	2		999	9 Lassen	035	5		0000	
019	168	1			Los Angeles	037	0		4480	
				001	6 Agoura Hills					00394
				004	4 Alhambra					00884
				008	5 Arcadia					02462
				011	6 Artesia					02896
				015	5 Azusa					03386
				017	4 Baldwin Park					03666
				020	5 Bell					04870
				021	4 Bellflower					04982
				022	5 Bell Gardens					04996
				026	5 Beverly Hills					06308
				030	4 Burbank					08954
				038	4 Carson					11530
				041	4 Cerritos					12552
				045	5 Claremont					13756
				050	6 Commerce					14974
				051	4 Compton					15044
				057	5 Covina					16742
				058	6 Cudahy					17498
				059	5 Culver City					17568

Vital Statistics Geographic Code Outline for the United States 21  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
			068	4		Diamond Bar					19192
			071	4		Downey					19766
			072	6		Duarte					19980
			078	3		El Monte					22230
			080	6		El Segundo					22412
			093	5		Gardena					28168
			096	3		Glendale					30000
			097	5		Glendora					30014
			101	6		Hawaiian Gardens					32506
			102	4		Hawthorne					32548
			106	6		Hermosa Beach					33364
			112	4		Huntington Park					36056
			115	3		Inglewood					36546
			117	6		La Canada Flintridge					39003
			123	4		Lakewood					39892
			125	5		La Mirada					40032
			126	4		Lancaster					40130
			128	5		La Puente					40340
			131	5		La Verne					40830
			132	5		Lawndale					40886
			138	6		Lomita					42468
			140	2		Long Beach					43000
			143	0		Los Angeles					44000
			146	4		Lynwood					44574



Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes					FIPS Codes						
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05				California							
				148	5	Manhattan Beach					45400
				153	5	Maywood					46492
				161	5	Monrovia					48648
				163	4	Montebello					48816
				165	4	Monterey Park					48914
				176	4	Norwalk					52526
				188	4	Palmdale					55156
				192	6	Palos Verdes Estates					55380
				194	5	Paramount					55618
				195	3	Pasadena					56000
				198	4	Pico Rivera					56924
				205	3	Pomona					58072
				210	5	Rancho Palos Verdes					59514
				214	4	Redondo Beach					60018
				223	4	Rosemead					62896
				234	5	San Dimas					66070
				235	6	San Fernando					66140
				237	5	San Gabriel					67042
				245	6	San Marino					68224
				253	3	Santa Clarita					69088
				255	6	Santa Fe Springs					69154
				257	4	Santa Monica					70000
				265	6	Sierra Madre					71806
				268	6	South El Monte					72996

Vital Statistics Geographic Code Outline for the United States 23  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S Area Names	St	Cnty	P/S	P/MSA	Place
05					California	06				
	019				Los Angeles, con.	037	0		4480	
				269	4 South Gate					73080
				271	6 South Pasadena					73220
				278	5 Temple City					78148
				280	3 Torrance					80000
				294	5 Walnut					83332
				298	4 West Covina					84200
				299	5 West Hollywood					84410
				302	4 Whittier					85292
				999	9 Balance of county					99999
	020	104	1		Madera	039	4		2840	
				147	5 Madera					45022
				999	9 Balance of county					99999
	021	250	1		Marin	041	3		7360	
				130	6 Larkspur					40438
				157	6 Mill Valley					47710
				177	5 Novato					52582
				227	6 San Anselmo					64434
				248	5 San Rafael					68364
				999	9 Balance of county					99999
	022	000	2	999	9 Mariposa	043	6		0000	
	023	000	2		Mendocino	045	4		0000	
				286	6 Ukiah					81134
				999	9 Balance of county					99999
	024	179	1		Merced	047	3		4940	
				013	6 Atwater					03162

Vital Statistics Geographic Code Outline for the United States 24  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
				144	6	Los Banos					44028
				155	4	Merced					46898
				999	9	Balance of county					99999
025	000	2	999	9		Modoc	049	6		0000	
026	000	2	999	9		Mono	051	6		0000	
027	245	1				Monterey	053	2		7120	
				150	5	Marina					45778
				164	5	Monterey					48872
				187	6	Pacific Grove					54848
				226	3	Salinas					64224
				263	5	Seaside					70742
				999	9	Balance of county					99999
028	290	1				Napa	055	3		8720	
				171	4	Napa					50258
				999	9	Balance of county					99999
029	000	2	999	9		Nevada	057	4		0000	
030	207	1				Orange	059	0		5945	
				005	2	Anaheim					02000
				028	5	Brea					08100
				029	4	Buena Park					08786
				056	4	Costa Mesa					16532
				061	5	Cypress					17750
				063	5	Dana Point					17946
				089	4	Fountain Valley					25380
				092	3	Fullerton					28000

Vital Statistics Geographic Code Outline for the United States 25  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
				094	3	Garden Grove					29000
				111	3	Huntington Beach					36000
				116	3	Irvine					36770
				119	6	Laguna Beach					39178
				120	5	Laguna Niguel					39248
				121	4	La Habra					39290
				127	6	La Palma					40256
				141	6	Los Alamitos					43224
				159	4	Mission Viejo					48256
				174	4	Newport Beach					51182
				182	3	Orange					53980
				202	5	Placentia					57526
				232	5	San Clemente					65084
				241	5	San Juan Capistrano					68028
				250	2	Santa Ana					69000
				262	5	Seal Beach					70686
				273	5	Stanton					73962
				284	4	Tustin					80854
				300	4	Westminster					84550
				304	4	Yorba Linda					86832
				999	9	Balance of county					99999
031	239	1				Placer	061	3	6920		
				014	6	Auburn					03204

Vital Statistics Geographic Code Outline for the United States 26  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
	031					Placer, con.	061	3		6920	
				221	6	Rocklin					62364
				224	5	Roseville					62938
				999	9	Balance of county					99999
	032	000	2	999	9	Plumas	063	6		0000	
	033	233	1			Riverside	065	0		6780	
				018	6	Banning					03820
				039	5	Cathedral City					12048
				048	6	Coachella					14260
				054	4	Corona					16350
				067	6	Desert Hot Springs					18996
				104	5	Hemet					33182
				114	5	Indio					36448
				122	6	Lake Elsinore					39486
				129	6	La Quinta					40354
				168	3	Moreno Valley					49270
				175	6	Norco					51560
				189	6	Palm Desert					55184
				190	5	Palm Springs					55254
				196	6	Perris					56700
				220	3	Riverside					62000
				239	6	San Jacinto					67112
				277	5	Temecula					78120
				999	9	Balance of county					99999
	034	239	1			Sacramento	067	0		6920	
				086	5	Folsom					24638
				225	2	Sacramento					64000
				999	9	Balance of county					99999
	035	000	2			San Benito	069	5		0000	
				110	6	Hollister					34120
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 27  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
	036	233	1			San Bernardino		071	0	6780	
				007	5	Apple Valley					02364
				019	6	Barstow					04030
				043	4	Chino					13210
				049	5	Colton					14890
				087	4	Fontana					24680
				098	6	Grand Terrace					30658
				107	4	Hesperia					33434
				108	5	Highland					33588
				137	6	Loma Linda					42370
				162	5	Montclair					48788
				181	3	Ontario					53896
				209	3	Rancho Cucamonga					59451
				213	4	Redlands					59962
				217	4	Rialto					60466
				228	3	San Bernardino					65000
				285	6	Twentynine Palms					80994
				288	4	Upland					81344
				291	5	Victorville					82590
				306	5	Yucaipa					87042
				999	9	Balance of county					99999
	037	249	1			San Diego		073	0	7320	
				036	4	Carlsbad					11194
				044	3	Chula Vista					13392
				055	5	Coronado					16378
				075	4	El Cajon					21712
				081	4	Encinitas					22678
				082	3	Escondido					22804
				113	5	Imperial Beach					36294
				124	4	La Mesa					40004
				133	6	Lemon Grove					41124
				172	4	National City					50398

Vital Statistics Geographic Code Outline for the United States 28  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
			180	3		Oceanside					53322
			208	5		Poway					58520
			233	0		San Diego					66000
			244	5		San Marcos					68196
			260	4		Santee					70224
			267	6		Solana Beach					72506
			293	4		Vista					82996
			999	9		Balance of county					99999
038	250	1	236	1		San Francisco, coext. with San Francisco	075	1	7360		67000
039	274	1				San Joaquin	077	2	8120		
			136	4		Lodi					42202

Vital Statistics Geographic Code Outline for the United States 29  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
	039					San Joaquin, con.	077	2		8120	
				149	5	Manteca					45484
				274	3	Stockton					75000
				281	5	Tracy					80238
				999	9	Balance of county					99999
	040	252	1			San Luis Obispo	079	3		7460	
				010	6	Arroyo Grande					02868
				012	6	Atascadero					03064
				079	6	El Paso de Robles					22300
				099	6	Grover City					31400
				243	5	San Luis Obispo					68154
				999	9	Balance of county					99999
	041	250	1			San Mateo	081	1		7360	
				023	6	Belmont					05108
				031	5	Burlingame					09066
				062	4	Daly City					17918
				074	6	East Palo Alto					20956
				088	5	Foster City					25338
				109	6	Hillsborough					33798
				154	5	Menlo Park					46870
				156	6	Millbrae					47486
				186	5	Pacifica					54806
				215	4	Redwood City					60102
				229	5	San Bruno					65028
				231	5	San Carlos					65070
				246	4	San Mateo					68252
				272	4	South San Francisco					73262
				999	9	Balance of county					99999
	042	253	1			Santa Barbara	083	2		7480	
				037	6	Carpinteria					11446



Vital Statistics Geographic Code Outline for the United States 30  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
				139	5	Lompoc					42524
				251	4	Santa Barbara					69070
				256	4	Santa Maria					69196
				999	9	Balance of county					99999
043	251	1				Santa Clara	085	0	7400		
				034	5	Campbell					10340
				060	5	Cupertino					17610
				095	5	Gilroy					29504
				142	5	Los Altos					43280
				145	5	Los Gatos					44112
				158	4	Milpitas					47766
				169	6	Morgan Hill					49278
				170	4	Mountain View					49670
				191	4	Palo Alto					55282
				240	1	San Jose					68000
				252	4	Santa Clara					69084
				261	5	Saratoga					70280
				276	3	Sunnyvale					77000
				999	9	Balance of county					99999
044	254	1				Santa Cruz	087	3	7485		
				035	6	Capitola					11040
				254	5	Santa Cruz					69112
				297	5	Watsonville					83668
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 31  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
045	229	1				Shasta	089	3	6690		
				212	4	Redding					59920
				999	9	Balance of county					99999
046	000	2		999	9	Sierra	091	6	0000		
047	000	2		999	9	Siskiyou	093	5	0000		
048	290	1				Solano	095	2	8720		
				024	6	Benicia					05290
				070	6	Dixon					19402
				084	4	Fairfield					23182
				275	6	Suisun City					75630
				289	4	Vacaville					81554
				290	3	Vallejo					81666
				999	9	Balance of county					99999
049	256	1				Sonoma	097	2	7500		
				197	5	Petaluma					56784
				222	5	Rohnert Park					62546
				259	3	Santa Rosa					70098
				999	9	Balance of county					99999
050	185	1				Stanislaus	099	2	5170		
				040	5	Ceres					12524

Vital Statistics Geographic Code Outline for the United States 32  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
05						California	06				
	050					Stanislaus, con.	099	2		5170	
				160	3	Modesto					48354
				178	6	Oakdale					52694
				283	5	Turlock					80812
				999	9	Balance of county					99999
	051	310	1			Sutter	101	4		9340	
				305	5	Yuba City					86972
				999	9	Balance of county					99999
	052	000	2			Tehama	103	5		0000	
				211	6	Red Bluff					59892
				999	9	Balance of county					99999
	053	000	2	999	9	Trinity	105	6		0000	
	054	294	1			Tulare	107	2		8780	
				069	6	Dinuba					19318
				206	5	Porterville					58240
				282	5	Tulare					80644
				292	4	Visalia					82954
				999	9	Balance of county					99999
	055	000	2	999	9	Tuolumne	109	5		0000	
	056	291	1			Ventura	111	1		8735	
				033	4	Camarillo					10046
				085	6	Fillmore					24092
				166	5	Moorpark					49138
				185	3	Oxnard					54652
				207	6	Port Hueneme					58296
				230	4	San Buenaventura (Ventura)					65042
				258	5	Santa Paula					70042
				266	3	Simi Valley					72016
				279	3	Thousand Oaks					78582
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 33  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S Area Names	St	Cnty	P/S	P/MSA	Place
05					California	06				
	057	307	1		Yolo		113	3	9270	
				065	5 Davis					18100
				301	5 West Sacramento					84816
				303	5 Woodland					86328
				999	9 Balance of county					99999
	058	310	1		Yuba		115	4	9340	
				152	6 Marysville					46170
				999	9 Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 34  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
06						Colorado	08				
	001	074	1			Adams		001	2	2080	
				001	4	Arvada, part					03455
				002	3	Aurora, part					04000
				004	6	Brighton, part					08675
				005	6	Broomfield, part					09280
				008	6	Commerce City					16495
				023	5	Northglenn					54330
				026	4	Thornton					77290
				027	4	Westminster, part					83835
				999	9	Balance of county					99999
	002	000	2	999	9	Alamosa		003	6	0000	
	003	074	1			Arapahoe		005	2	2080	
				002	3	Aurora, part					04000
				011	5	Englewood					24785
				019	5	Littleton, part					45255
				999	9	Balance of county					99999
	004	000	2	999	9	Archuleta		007	6	0000	
	005	000	2	999	9	Baca		009	6	0000	
	006	000	2	999	9	Bent		011	6	0000	
	007	038	1			Boulder		013	3	1125	
				003	4	Boulder					07850
				005	6	Broomfield, part					09280
				017	6	Lafayette					41835
				020	4	Longmont					45970
				021	6	Louisville					46355
				999	9	Balance of county					99999
	008	000	2	999	9	Chaffee		015	6	0000	
	009	000	2	999	9	Cheyenne		017	6	0000	
	010	000	2	999	9	Clear Creek		019	6	0000	
	011	000	2	999	9	Conejos		021	6	0000	

Vital Statistics Geographic Code Outline for the United States 35  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
06						Colorado	08				
	012	000	2	999	9	Costilla		023	6	0000	
	013	000	2	999	9	Crowley		025	6	0000	
	014	000	2	999	9	Custer		027	6	0000	
	015	000	2	999	9	Delta		029	6	0000	
	016	074	1	009	2	Denver, coext. with Denver city		031	2	2080	20000
	017	000	2	999	9	Dolores		033	6	0000	
	018	074	1			Douglas		035	4	2080	
				002	3	Aurora, part					04000
				019	5	Littleton, part					45255
				999	9	Balance of county					99999
	019	000	2	999	9	Eagle		037	6	0000	
	020	000	2	999	9	Elbert		039	6	0000	
	021	060	1			El Paso		041	2	1720	
				007	2	Colorado Springs					16000
				013	6	Fountain					27865
				999	9	Balance of county					99999
	022	000	2			Fremont		043	5	0000	
				006	6	Canon City					11810
				999	9	Balance of county					99999
	023	000	2	999	9	Garfield		045	5	0000	
	024	000	2	999	9	Gilpin		047	6	0000	
	025	000	2	999	9	Grand		049	6	0000	
	026	000	2	999	9	Gunnison		051	6	0000	
	027	000	2	999	9	Hinsdale		053	6	0000	

Vital Statistics Geographic Code Outline for the United States 36  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
06						Colorado	08				
028	000	2	999	9		Huerfano	055	6	0000		
	029	000	2	999	9	Jackson		057	6	0000	
	030	074	1			Jefferson		059	2	2080	
				001	4	Arvada, part					03455
				005	6	Broomfield, part					09280
				014	6	Golden					30835
				018	3	Lakewood					43000
				027	4	Westminster, part					83835
				028	5	Wheat Ridge					84440
				999	9	Balance of county					99999
	031	000	2	999	9	Kiowa		061	6	0000	
	032	000	2	999	9	Kit Carson		063	6	0000	
	033	000	2	999	9	Lake		065	6	0000	
	034	000	2			La Plata		067	5	0000	
				010	6	Durango					22035
				999	9	Balance of county					99999
	035	096	1			Larimer		069	3	2670	
				012	4	Fort Collins					27425
				022	5	Loveland					46465
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 37  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
06						Colorado	08				
	036	000	2	999	9	Las Animas		071	6	0000	
	037	000	2	999	9	Lincoln		073	6	0000	
	038	000	2			Logan		075	6	0000	
				025	6	Sterling					73935
				999	9	Balance of county					99999
	039	000	2			Mesa		077	4	0000	
				015	5	Grand Junction					31660
				999	9	Balance of county					99999
	040	000	2	999	9	Mineral		079	6	0000	
	041	000	2	999	9	Moffat		081	6	0000	
	042	000	2	999	9	Montezuma		083	6	0000	
	043	000	2	999	9	Montrose		085	6	0000	
	044	000	2	999	9	Morgan		087	6	0000	
	045	000	2	999	9	Otero		089	6	0000	
	046	000	2	999	9	Ouray		091	6	0000	
	047	000	2	999	9	Park		093	6	0000	
	048	000	2	999	9	Phillips		095	6	0000	
	049	000	2	999	9	Pitkin		097	6	0000	
	050	000	2	999	9	Prowers		099	6	0000	
	051	223	1			Pueblo		101	3	6560	
				024	4	Pueblo					62000
				999	9	Balance of county					99999
	052	000	2	999	9	Rio Blanco		103	6	0000	
	053	000	2	999	9	Rio Grande		105	6	0000	
	054	000	2	999	9	Routt		107	6	0000	
	055	000	2	999	9	Saguache		109	6	0000	
	056	000	2	999	9	San Juan		111	6	0000	
	057	000	2	999	9	San Miguel		113	6	0000	
	058	000	2	999	9	Sedgwick		115	6	0000	
	059	000	2	999	9	Summit		117	6	0000	



Vital Statistics Geographic Code Outline for the United States 38  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
06						Colorado	08				
060	000	2	999	9		Teller	119	6		0000	
061	000	2	999	9		Washington	121	6		0000	
062	114	1				Weld	123	3		3060	
				004	6	Brighton, part					08675
				005	6	Broomfield, part					09280
				016	4	Greeley					32155
				999	9	Balance of county					99999
063	000	2	999	9		Yuma	125	6		0000	

Vital Statistics Geographic Code Outline for the United States 39  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
07						Connecticut	09				
	001	194	1			Fairfield		001	1	5483	
				002	6	Bethel town					04720
				004	3	Bridgeport					08000
				007	4	Danbury					18430
				008	6	Darien town					18920
				014	4	Fairfield town					26620
				016	4	Greenwich town					33620
				029	4	Norwalk					55990
				033	5	Shelton					68100
				035	3	Stamford					73000
				036	5	Stratford town					74260
				038	5	Trumbull town					77270
				044	6	Westport town					83500
				999	9	Balance of county					99999
	002	122	1			Hartford		003	1	3283	
				005	4	Bristol					08420
				011	4	East Hartford town					22630
				013	5	Enfield town					25990
				015	5	Glastonbury town					31240
				018	3	Hartford					37000
				019	4	Manchester town					44700
				024	4	New Britain					50370
				026	5	Newington town					52210
				031	6	Plainville town					60120
				032	6	Rocky Hill town					65370
				034	5	Southington town					70550
				042	4	West Hartford town					82590
				045	5	Wethersfield town					84900
				046	6	Windsor Locks town					87070
				047	5	Windsor town					87000
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 40  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
07						Connecticut					09
003	000	2				Litchfield	005	3	0000		
				037	5	Torrington					76500
				999	9	Balance of county					99999
004	122	1				Middlesex	007	3	3283		
				021	5	Middletown					47290
				999	9	Balance of county					99999
005	194	1				New Haven	009	1	5483		
				001	6	Ansonia					01150
				003	5	Branford town					07310
				006	5	Cheshire town					14160
				009	6	Derby					19480
				009	6	Derby					19480
				012	5	East Haven town					22980
				017	4	Hamden town					35650
				020	4	Meriden					46450
				022	5	Milford					47500
				023	5	Naugatuck borough					49880
				025	3	New Haven					52000
				028	6	North Haven town					54870
				040	5	Wallingford town					78740
				041	3	Waterbury					80000
				043	4	West Haven					82800
				999	9	Balance of county					99999
006	195	1				New London	011	2	5523		

Vital Statistics Geographic Code Outline for the United States 41  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
07						Connecticut	09				
				027	5	New London					52280
				030	5	Norwich					56200
				999	9	Balance of county					99999
007	122	1				Tolland	013	3		3283	
				039	5	Vernon town					78250
				999	9	Balance of county					99999
008	000	2	999	9		Windham	015	3		0000	

Vital Statistics Geographic Code Outline for the United States 42  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
08						Delaware	10				
	001	078	1			Kent		001	3	2190	
				001	5	Dover					21200
				999	9	Balance of county					99999
	002	304	1			New Castle		003	2	9160	
				002	5	Newark					50670
				003	4	Wilmington					77580
				999	9	Balance of county					99999
	003	000	2	999	9	Sussex		005	3	0000	

Vital Statistics Geographic Code Outline for the United States 43  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
09	001	296	1	001	1	District of Columbia	11	001	1	8840	

Vital Statistics Geographic Code Outline for the United States 44  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
10						Florida	12				
	001	106	1			Alachua		001	3	2900	
				032	4	Gainesville					25175
				999	9	Balance of county					99999
	002	000	2	999	9	Baker		003	6	0000	
	003	210	1			Bay		005	3	6015	
				009	6	Callaway					09725
				080	5	Panama City					54700
				999	9	Balance of county					99999
	004	000	2	999	9	Bradford		007	6	0000	
	005	177	1			Brevard		009	2	4900	
				013	6	Cocoa					13150
				014	6	Cocoa Beach					13175
				055	4	Melbourne					43975
				078	4	Palm Bay					54000
				091	6	Rockledge					61500
				110	5	Titusville					71900
				999	9	Balance of county					99999
	006	097	1			Broward		011	0	2680	
				015	5	Coconut Creek					13275
				016	6	Cooper City					14125
				018	4	Coral Springs					14400
				019	6	Dania					16325
				020	5	Davie					16475
				022	5	Deerfield Beach					16725
				028	3	Fort Lauderdale					24000
				036	5	Hallandale					28450
				039	3	Hollywood					32000
				049	5	Lauderdale Lakes					39525
				050	5	Lauderhill					39550
				052	6	Lighthouse Point					40450

Vital Statistics Geographic Code Outline for the United States 45  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
10						Florida	12				
				054	5	Margate					43125
				060	5	Miramar					45975
				065	5	North Lauderdale					49425
				070	5	Oakland Park					50575
				081	4	Pembroke Pines					55775
				084	4	Plantation					57425
				086	4	Pompano Beach					58050
				103	4	Sunrise					69700
				106	5	Tamarac					70675
				114	6	Wilton Manors					78000
				999	9	Balance of county					99999
007	000	2		999	9	Calhoun	013	6		0000	
008	224	1				Charlotte	015	3		6580	
				089	6	Punta Gorda					59200
				999	9	Balance of county					99999
009	000	2		999	9	Citrus	017	4		0000	
010	135	1		999	9	Clay	019	3		3600	
011	191	1				Collier	021	3		5345	
				061	6	Naples					47625
				999	9	Balance of county					99999
012	000	2		999	9	Columbia	023	5		0000	
013	180	1				Dade	025	0		5000	
				017	5	Coral Gables					14250
				037	3	Hialeah					30000
				040	5	Homestead					32275
				056	2	Miami					45000
				057	4	Miami Beach					45025
				058	6	Miami Shores					45175
				059	6	Miami Springs					45200
				066	5	North Miami					49450
				067	5	North Miami Beach					49475
				073	6	Opa-locka					51650
				101	6	South Miami					67550



Vital Statistics Geographic Code Outline for the United States 46  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
10						Florida	12				
				104	6	Sweetwater					70275
				999	9	Balance of county					99999
014	000	2	999	9		De Soto	027	6	0000		
015	000	2	999	9		Dixie	029	6	0000		
016	135	1				Duval	031	1	3600		
				003	6	Atlantic Beach					02400
				041	1	Jacksonville					35000
				042	6	Jacksonville Beach					35050
				999	9	Balance of county					99999
017	212	1				Escambia	033	2	6080		
				082	4	Pensacola					55925

Vital Statistics Geographic Code Outline for the United States 47  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
10						Florida	12				
	017					Escambia, con.	033	2		6080	
			999	9		Balance of county					99999
	018	071	1	999	9	Flagler	035	5		2020	
	019	000	2	999	9	Franklin	037	6		0000	
	020	278	1	999	9	Gadsden	039	5		8240	
	021	000	2	999	9	Gilchrist	041	6		0000	
	022	000	2	999	9	Glades	043	6		0000	
	023	000	2	999	9	Gulf	045	6		0000	
	024	000	2	999	9	Hamilton	047	6		0000	
	025	000	2	999	9	Hardee	049	6		0000	
	026	000	2	999	9	Hendry	051	5		0000	
	027	279	1	999	9	Hernando	053	3		8280	
	028	000	2	999	9	Highlands	055	4		0000	
	029	279	1			Hillsborough	057	1		8280	
				085	6	Plant City					57550
				107	2	Tampa					71000
				109	6	Temple Terrace					71400
				999	9	Balance of county					99999
	030	000	2	999	9	Holmes	059	6		0000	
	031	000	2			Indian River	061	4		0000	
				099	6	Sebastian					64825
				112	6	Vero Beach					74150
				999	9	Balance of county					99999
	032	000	2	999	9	Jackson	063	5		0000	
	033	000	2	999	9	Jefferson	065	6		0000	
	034	000	2	999	9	Lafayette	067	6		0000	
	035	208	1			Lake	069	3		5960	
				027	6	Eustis					21350
				051	6	Leesburg					39875
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 48  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
10						Florida	12				
	036	098	1			Lee		071	2	2700	
				010	4	Cape Coral					10275
				029	5	Fort Myers					24125
				999	9	Balance of county					99999
	037	278	1			Leon		073	3	8240	
				105	3	Tallahassee					70600
				999	9	Balance of county					99999
	038	000	2	999	9	Levy		075	5	0000	
	039	000	2	999	9	Liberty		077	6	0000	
	040	000	2	999	9	Madison		079	6	0000	
	041	257	1			Manatee		081	3	7510	
				008	5	Bradenton					07950
				999	9	Balance of county					99999
	042	202	1			Marion		083	3	5790	
				071	5	Ocala					50750
				999	9	Balance of county					99999
	043	099	1			Martin		085	3	2710	
				102	6	Stuart					68875
				999	9	Balance of county					99999
	044	000	2			Monroe		087	4	0000	
				044	6	Key West					36550
				999	9	Balance of county					99999
	045	135	1	999	9	Nassau		089	5	3600	
	046	101	1			Okaloosa		091	3	2750	
				031	6	Fort Walton Beach					24475
				064	6	Niceville					48750
				999	9	Balance of county					99999
	047	000	2	999	9	Okeechobee		093	5	0000	
	048	208	1			Orange		095	1	5960	
				002	6	Apopka					01700
				072	6	Ocoee					51075

Vital Statistics Geographic Code Outline for the United States 49  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
10						Florida	12				
				074	3	Orlando					53000
				116	6	Winter Park					78300
				999	9	Balance of county					99999
049	208	1				Osceola	097	3	5960		
				045	5	Kissimmee					36950
				095	6	St. Cloud					62625
				999	9	Balance of county					99999
050	299	1				Palm Beach	099	1	8960		
				005	6	Belle Glade					05200
				006	4	Boca Raton					07300
				007	5	Boynton Beach					07875
				024	5	Delray Beach					17100
				033	6	Greenacres City					27325

Vital Statistics Geographic Code Outline for the United States 50  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
10						Florida	12				
	050					Palm Beach, con.	099	1		8960	
				043	6	Jupiter					35875
				047	5	Lake Worth					39075
				068	6	North Palm Beach					49600
				079	6	Palm Beach Gardens					54075
				090	5	Riviera Beach					60975
				092	6	Royal Palm Beach					62100
				113	4	West Palm Beach					76600
				999	9	Balance of county					99999
	051	279	1			Pasco	101	2		8280	
				062	6	New Port Richey					48500
				999	9	Balance of county					99999
	052	279	1			Pinellas	103	1		8280	
				012	4	Clearwater					12875
				025	5	Dunedin					18575
				034	6	Gulfport					28175
				048	4	Largo					39425
				083	5	Pinellas Park					56975
				093	6	Safety Harbor					62425
				096	3	St. Petersburg					63000
				108	6	Tarpon Springs					71150
				999	9	Balance of county					99999
	053	154	1			Polk	105	2		3980	
				004	6	Bartow					03675
				035	6	Haines City					28400
				046	4	Lakeland					38250
				115	6	Winter Haven					78275
				999	9	Balance of county					99999
	054	000	2			Putnam	107	4		0000	
				077	6	Palatka					53875
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 51  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
10						Florida	12				
055	135	1				St. Johns	109	4		3600	
				094	6	St. Augustine					62500
				999	9	Balance of county					99999
056	099	1				St. Lucie	111	3		2710	
				030	5	Fort Pierce					24300
				088	4	Port St. Lucie					58725
				999	9	Balance of county					99999
057	212	1		999	9	Santa Rosa	113	4		6080	
058	257	1				Sarasota	115	2		7510	
				069	6	North Port					49675
				098	4	Sarasota					64175
				111	6	Venice					73900
				999	9	Balance of county					99999
059	208	1				Seminole	117	2		5960	
				001	5	Altamonte Springs					00950
				011	6	Casselberry					11050
				053	6	Longwood					41250
				076	6	Oviedo					53575
				097	5	Sanford					63650
				117	6	Winter Springs					78325
				999	9	Balance of county					99999
060	000	2		999	9	Sumter	119	5		0000	
061	000	2		999	9	Suwannee	121	5		0000	
062	000	2		999	9	Taylor	123	6		0000	
063	000	2		999	9	Union	125	6		0000	
064	071	1				Volusia	127	2		2020	
				021	4	Daytona Beach					16525
				023	6	DeLand					16875
				026	6	Edgewater					19825
				038	6	Holly Hill					31350
				063	6	New Smyrna Beach					48625

Vital Statistics Geographic Code Outline for the United States 52  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
10						Florida	12				
				075	5	Ormond Beach					53150
				087	5	Port Orange					58575
				100	6	South Daytona					67325
				999	9	Balance of county					99999
065	000	2	999	9		Wakulla	129	6	0000		
066	000	2	999	9		Walton	131	5	0000		
067	000	2	999	9		Washington	133	6	0000		

Vital Statistics Geographic Code Outline for the United States 53  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
11						Georgia	13				
	001	000	2	999	9	Appling		001	6	0000	
	002	000	2	999	9	Atkinson		003	6	0000	
	003	000	2	999	9	Bacon		005	6	0000	
	004	000	2	999	9	Baker		007	6	0000	
	005	000	2			Baldwin		009	5	0000	
				029	6	Milledgeville					51492
				999	9	Balance of county					99999
	006	000	2	999	9	Banks		011	6	0000	
	007	016	1	999	9	Barrow		013	5	0520	
	008	016	1			Bartow		015	4	0520	
				010	6	Cartersville					13688
				999	9	Balance of county					99999
	009	000	2	999	9	Ben Hill		017	6	0000	
	010	000	2	999	9	Berrien		019	6	0000	
	011	172	1			Bibb		021	3	4680	
				027	3	Macon, part					49000
				999	9	Balance of county					99999
	012	000	2	999	9	Bleckley		023	6	0000	
	013	000	2	999	9	Brantley		025	6	0000	
	014	000	2	999	9	Brooks		027	6	0000	
	015	258	1	999	9	Bryan		029	6	7520	
	016	000	2			Bulloch		031	5	0000	
				038	6	Statesboro					73256
				999	9	Balance of county					99999
	017	000	2	999	9	Burke		033	6	0000	
	018	000	2	999	9	Butts		035	6	0000	
	019	000	2	999	9	Calhoun		037	6	0000	
	020	000	2	999	9	Camden		039	5	0000	
	021	000	2	999	9	Candler		043	6	0000	
	022	016	1			Carroll		045	4	0520	



Vital Statistics Geographic Code Outline for the United States 54  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
11						Georgia	13				
				009	6	Carrollton					13492
				999	9	Balance of county					99999
	023	053	1	999	9	Catoosa	047	5		1560	
	024	000	2	999	9	Charlton	049	6		0000	
	025	258	1			Chatham	051	3		7520	
				035	3	Savannah					69000
				999	9	Balance of county					99999
	026	063	1	999	9	Chattahoochee	053	6		1800	
	027	000	2	999	9	Chattooga	055	6		0000	
	028	016	1	999	9	Cherokee	057	4		0520	
	029	015	1			Clarke	059	4		0500	
				004	5	Athens					03432
				999	9	Balance of county					99999
	030	000	2	999	9	Clay	061	6		0000	
	031	016	1			Clayton	063	3		0520	
				011	6	College Park, part					17776
				021	6	Forest Park					30536
				999	9	Balance of county					99999
	032	000	2	999	9	Clinch	065	6		0000	
	033	016	1			Cobb	067	2		0520	
				028	5	Marietta					49756
				036	5	Smyrna					71492
				999	9	Balance of county					99999
	034	000	2			Coffee	069	5		0000	
				017	6	Douglas					23872
				999	9	Balance of county					99999
	035	000	2			Colquitt	071	5		0000	
				030	6	Moultrie					53060
				999	9	Balance of county					99999
	036	018	1	999	9	Columbia	073	4		0600	
	037	000	2	999	9	Cook	075	6		0000	

Vital Statistics Geographic Code Outline for the United States 55  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
11						Georgia	13				
	038	016	1			Coweta		077	4	0520	
				031	6	Newnan					55020
				999	9	Balance of county					99999
	039	000	2	999	9	Crawford		079	6	0000	
	040	000	2			Crisp		081	6	0000	
				013	6	Cordele					19616
				999	9	Balance of county					99999
	041	053	1	999	9	Dade		083	6	1560	
	042	000	2	999	9	Dawson		085	6	0000	
	043	000	2			Decatur		087	5	0000	
				007	6	Bainbridge					04896
				999	9	Balance of county					99999
	044	016	1			De Kalb		089	1	0520	
				005	2	Atlanta, part					04000

Vital Statistics Geographic Code Outline for the United States 56  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
11						Georgia	13				
	044					De Kalb, con.	089	1		0520	
				016	6	Decatur					22052
				999	9	Balance of county					99999
	045	000	2	999	9	Dodge	091	6		0000	
	046	000	2	999	9	Dooly	093	6		0000	
	047	003	1			Dougherty	095	4		0120	
				001	4	Albany					01052
				999	9	Balance of county					99999
	048	016	1			Douglas	097	4		0520	
				018	6	Douglasville					23900
				999	9	Balance of county					99999
	049	000	2	999	9	Early	099	6		0000	
	050	000	2	999	9	Echols	101	6		0000	
	051	258	1	999	9	Effingham	103	5		7520	
	052	000	2	999	9	Elbert	105	6		0000	
	053	000	2	999	9	Emanuel	107	6		0000	
	054	000	2	999	9	Evans	109	6		0000	
	055	000	2	999	9	Fannin	111	6		0000	
	056	016	1			Fayette	113	4		0520	
				032	6	Peachtree City					59724
				999	9	Balance of county					99999
	057	000	2			Floyd	115	4		0000	
				033	5	Rome					66668
				999	9	Balance of county					99999
	058	016	1	999	9	Forsyth	117	5		0520	
	059	000	2	999	9	Franklin	119	6		0000	
	060	016	1			Fulton	121	1		0520	
				002	6	Alpharetta					01696
				005	2	Atlanta, part					04000
				011	6	College Park, part					17776

Vital Statistics Geographic Code Outline for the United States 57  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
11						Georgia	13				
				020	5	East Point					25720
				034	5	Roswell					67284
				999	9	Balance of county					99999
061	000	2	999	9		Gilmer	123	6	0000		
062	000	2	999	9		Glascocock	125	6	0000		
063	000	2				Glynn	127	4	0000		
				008	6	Brunswick					11560
				999	9	Balance of county					99999
064	000	2	999	9		Gordon	129	5	0000		
065	000	2	999	9		Grady	131	6	0000		
066	000	2	999	9		Greene	133	6	0000		
067	016	1				Gwinnett	135	2	0520		
				026	6	Lawrenceville					45488
				037	6	Snellville					71604
				999	9	Balance of county					99999
068	000	2	999	9		Habersham	137	5	0000		
069	000	2				Hall	139	4	0000		
				022	6	Gainesville					31908
				999	9	Balance of county					99999
070	000	2	999	9		Hancock	141	6	0000		
071	000	2	999	9		Haralson	143	6	0000		
072	063	1	999	9		Harris	145	6	1800		
073	000	2	999	9		Hart	147	6	0000		
074	000	2	999	9		Heard	149	6	0000		
075	016	1	999	9		Henry	151	4	0520		
076	172	1				Houston	153	4	4680		
				043	5	Warner Robins					80508
				999	9	Balance of county					99999
077	000	2	999	9		Irwin	155	6	0000		
078	000	2	999	9		Jackson	157	5	0000		
079	000	2	999	9		Jasper	159	6	0000		

Vital Statistics Geographic Code Outline for the United States 58  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
11						Georgia	13				
	080	000	2	999	9	Jeff Davis		161	6	0000	
	081	000	2	999	9	Jefferson		163	6	0000	
	082	000	2	999	9	Jenkins		165	6	0000	
	083	000	2	999	9	Johnson		167	6	0000	
	084	172	1			Jones		169	6	4680	
				027	3	Macon, part					49000
				999	9	Balance of county					99999
	085	000	2	999	9	Lamar		171	6	0000	
	086	000	2	999	9	Lanier		173	6	0000	
	087	000	2			Laurens		175	5	0000	
				019	6	Dublin					24376
				999	9	Balance of county					99999
	088	003	1	999	9	Lee		177	6	0120	

Vital Statistics Geographic Code Outline for the United States 59  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
11						Georgia	13				
	089	000	2			Liberty	179	4	0000		
				024	6	Hinesville					38964
				999	9	Balance of county					99999
	090	000	2	999	9	Lincoln	181	6	0000		
	091	000	2	999	9	Long	183	6	0000		
	092	000	2			Lowndes	185	4	0000		
				041	5	Valdosta					78800
				999	9	Balance of county					99999
	093	000	2	999	9	Lumpkin	187	6	0000		
	094	018	1	999	9	McDuffie	189	6	0600		
	095	000	2	999	9	McIntosh	191	6	0000		
	096	000	2	999	9	Macon	193	6	0000		
	097	015	1	999	9	Madison	195	6	0500		
	098	000	2	999	9	Marion	197	6	0000		
	099	000	2	999	9	Meriwether	199	6	0000		
	100	000	2	999	9	Miller	201	6	0000		
	101	000	2	999	9	Mitchell	205	6	0000		
	102	000	2	999	9	Monroe	207	6	0000		
	103	000	2			Montgomery	209	6	0000		
				042	6	Vidalia, part					79388
				999	9	Balance of county					99999
	104	000	2	999	9	Morgan	211	6	0000		
	105	000	2	999	9	Murray	213	5	0000		
	106	063	1			Muscogee	215	3	1800		
				012	3	Columbus					19000
				999	9	Balance of county					99999
	107	016	1			Newton	217	5	0520		
				014	6	Covington					20064
				999	9	Balance of county					99999
	108	015	1	999	9	Oconee	219	6	0500		

Vital Statistics Geographic Code Outline for the United States 60  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
11						Georgia	13				
	109	000	2	999	9	Oglethorpe		221	6	0000	
	110	016	1	999	9	Paulding		223	5	0520	
	111	172	1	999	9	Peach		225	6	4680	
	112	016	1	999	9	Pickens		227	6	0520	
	113	000	2			Pierce		229	6	0000	
				044	6	Waycross, part					80956
				999	9	Balance of county					99999
	114	000	2	999	9	Pike		231	6	0000	
	115	000	2	999	9	Polk		233	5	0000	
	116	000	2	999	9	Pulaski		235	6	0000	
	117	000	2	999	9	Putnam		237	6	0000	
	118	000	2	999	9	Quitman		239	6	0000	
	119	000	2	999	9	Rabun		241	6	0000	
	120	000	2	999	9	Randolph		243	6	0000	
	121	018	1			Richmond		245	3	0600	
				006	5	Augusta					04196
				999	9	Balance of county					99999
	122	016	1	999	9	Rockdale		247	4	0520	
	123	000	2	999	9	Schley		249	6	0000	
	124	000	2	999	9	Screven		251	6	0000	
	125	000	2	999	9	Seminole		253	6	0000	
	126	016	1			Spalding		255	4	0520	
				023	6	Griffin					35324
				999	9	Balance of county					99999
	127	000	2	999	9	Stephens		257	6	0000	
	128	000	2	999	9	Stewart		259	6	0000	
	129	000	2			Sumter		261	5	0000	
				003	6	Americus					02116
				999	9	Balance of county					99999
	130	000	2	999	9	Talbot		263	6	0000	
	131	000	2	999	9	Taliaferro		265	6	0000	

Vital Statistics Geographic Code Outline for the United States 61  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
11						Georgia	13				
	132	000	2	999	9	Tattnall		267	6	0000	
	133	000	2	999	9	Taylor		269	6	0000	
	134	000	2	999	9	Telfair		271	6	0000	
	135	000	2	999	9	Terrell		273	6	0000	
	136	000	2			Thomas		275	5	0000	
				039	6	Thomasville					76224
				999	9	Balance of county					99999
	137	000	2			Tift		277	5	0000	
				040	6	Tifton					76476
				999	9	Balance of county					99999
	138	000	2			Toombs		279	6	0000	
				042	6	Vidalia, part					79388
				999	9	Balance of county					99999



Vital Statistics Geographic Code Outline for the United States 62  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
11						Georgia	13				
	139	000	2	999	9	Towns		281	6	0000	
	140	000	2	999	9	Treutlen		283	6	0000	
	141	000	2			Troup		285	4	0000	
				025	5	La Grange					44340
				999	9	Balance of county					99999
	142	000	2	999	9	Turner		287	6	0000	
	143	172	1	999	9	Twiggs		289	6	4680	
	144	000	2	999	9	Union		291	6	0000	
	145	000	2	999	9	Upson		293	5	0000	
	146	053	1	999	9	Walker		295	4	1560	
	147	016	1	999	9	Walton		297	5	0520	
	148	000	2			Ware		299	5	0000	
				044	6	Waycross, part					80956
				999	9	Balance of county					99999
	149	000	2	999	9	Warren		301	6	0000	
	150	000	2	999	9	Washington		303	6	0000	
	151	000	2	999	9	Wayne		305	6	0000	
	152	000	2	999	9	Webster		307	6	0000	
	153	000	2	999	9	Wheeler		309	6	0000	
	154	000	2	999	9	White		311	6	0000	
	155	000	2			Whitfield		313	4	0000	
				015	6	Dalton					21380
				999	9	Balance of county					99999
	156	000	2	999	9	Wilcox		315	6	0000	
	157	000	2	999	9	Wilkes		317	6	0000	
	158	000	2	999	9	Wilkinson		319	6	0000	
	159	000	2	999	9	Worth		321	6	0000	

Vital Statistics Geographic Code Outline for the United States 63  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
12						Hawaii	15				
	001	000	2			Hawaii	001	3		0000	
				002	5	Hilo					14650
				999	9	Balance of county					99999
	002	125	1			Honolulu	003	1		3320	
				001	6	Ewa Beach					07450
				003	2	Honolulu					17000
				005	5	Kailua					23150
				006	5	Kaneohe					28250
				007	5	Mililani Town					51050
				008	5	Pearl City					62600
				009	6	Schofield Barracks					69050
				010	6	Wahiawa					72650
				012	5	Waipahu					79700
				999	9	Balance of county					99999
	003	000	2	999	9	Kalawao	005	6		0000	
	004	000	2	999	9	Kauai	007	4		0000	
	005	000	2			Maui	009	3		0000	
				004	6	Kahului					22700
				011	6	Wailuku					77450
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 64  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
13						Idaho	16				
	001	036	1			Ada	001	3		1080	
				001	3	Boise City					08830
				999	9	Balance of county					99999
	002	000	2	999	9	Adams	003	6		0000	
	003	000	2			Bannock	005	4		0000	
				008	5	Pocatello, part					64090
				999	9	Balance of county					99999
	004	000	2	999	9	Bear Lake	007	6		0000	
	005	000	2	999	9	Benewah	009	6		0000	
	006	000	2	999	9	Bingham	011	5		0000	
	007	000	2	999	9	Blaine	013	6		0000	
	008	000	2	999	9	Boise	015	6		0000	
	009	000	2	999	9	Bonner	017	5		0000	
	010	000	2			Bonneville	019	4		0000	
				004	5	Idaho Falls					39700
				999	9	Balance of county					99999
	011	000	2	999	9	Boundary	021	6		0000	
	012	000	2	999	9	Butte	023	6		0000	
	013	000	2	999	9	Camas	025	6		0000	
	014	036	1			Canyon	027	4		1080	
				002	6	Caldwell					12250
				007	5	Nampa					56260
				999	9	Balance of county					99999
	015	000	2	999	9	Caribou	029	6		0000	
	016	000	2	999	9	Cassia	031	6		0000	
	017	000	2	999	9	Clark	033	6		0000	
	018	000	2	999	9	Clearwater	035	6		0000	
	019	000	2	999	9	Custer	037	6		0000	
	020	000	2	999	9	Elmore	039	6		0000	
	021	000	2	999	9	Franklin	041	6		0000	
	022	000	2	999	9	Fremont	043	6		0000	

Vital Statistics Geographic Code Outline for the United States 65  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
13						Idaho	16				
	023	000	2	999	9	Gem	045	6	0000		
	024	000	2	999	9	Gooding	047	6	0000		
	025	000	2	999	9	Idaho	049	6	0000		
	026	000	2	999	9	Jefferson	051	6	0000		
	027	000	2	999	9	Jerome	053	6	0000		
	028	000	2			Kootenai	055	4	0000		
				003	6	Coeur d'Alene					16750
				999	9	Balance of county					99999
	029	000	2			Latah	057	5	0000		
				006	6	Moscow					54550
				999	9	Balance of county					99999
	030	000	2	999	9	Lemhi	059	6	0000		
	031	000	2	999	9	Lewis	061	6	0000		
	032	000	2	999	9	Lincoln	063	6	0000		
	033	000	2			Madison	065	6	0000		
				009	6	Rexburg					67420
				999	9	Balance of county					99999
	034	000	2	999	9	Minidoka	067	6	0000		
	035	000	2			Nez Perce	069	5	0000		
				005	5	Lewiston					46540
				999	9	Balance of county					99999
	036	000	2	999	9	Oneida	071	6	0000		
	037	000	2	999	9	Owyhee	073	6	0000		
	038	000	2	999	9	Payette	075	6	0000		
	039	000	2			Power	077	6	0000		
				008	5	Pocatello, part					64090
				999	9	Balance of county					99999
	040	000	2	999	9	Shoshone	079	6	0000		
	041	000	2	999	9	Teton	081	6	0000		
	042	000	2			Twin Falls	083	4	0000		
				010	5	Twin Falls					82810

Vital Statistics Geographic Code Outline for the United States 66  
 Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
13						Idaho	16				
			999	9		Balance of county					99999
043	000	2	999	9		Valley	085	6		0000	
044	000	2	999	9		Washington	087	6		0000	

Vital Statistics Geographic Code Outline for the United States 67  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
14						Illinois	17				
	001	000	2			Adams	001	4	0000		
				138	5	Quincy					62367
				999	9	Balance of county					99999
	002	000	2	999	9	Alexander	003	6	0000		
	003	000	2	999	9	Bond	005	6	0000		
	004	237	1			Boone	007	5	6880		
				011	6	Belvidere					05092
				999	9	Balance of county					99999
	005	000	2	999	9	Brown	009	6	0000		
	006	000	2	999	9	Bureau	011	5	0000		
	007	000	2	999	9	Calhoun	013	6	0000		
	008	000	2	999	9	Carroll	015	6	0000		
	009	000	2	999	9	Cass	017	6	0000		
	010	048	1			Champaign	019	3	1400		
				032	4	Champaign					12385
				139	6	Rantoul village					62783
				160	5	Urbana					77005
				999	9	Balance of county					99999
	011	000	2			Christian	021	5	0000		
				158	6	Taylorville					74574
				999	9	Balance of county					99999
	012	000	2	999	9	Clark	023	6	0000		
	013	000	2	999	9	Clay	025	6	0000		
	014	243	1			Clinton	027	5	7040		
				031	6	Centralia, part					12164
				999	9	Balance of county					99999
	015	000	2			Coles	029	4	0000		
				033	6	Charleston					12567
				105	6	Mattoon					47553
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 68  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
14						Illinois	17				
	016	055	1			Cook		031	0	1600	
				003	6	Alsip village					01010
				005	4	Arlington Heights village					02154
				007	6	Bartlett village, part					04013
				010	6	Bellwood village					04975
				012	6	Bensenville village, part					05248
				013	5	Berwyn					05573
				016	6	Blue Island					06704
				020	6	Bridgeview village					08225
				021	6	Brookfield village					08576
				022	5	Buffalo Grove village, part					09447
				023	5	Burbank					09642
				025	5	Calumet City					10487
				034	0	Chicago, part					14000
				035	5	Chicago Heights					14026
				036	6	Chicago Ridge village					14065
				037	4	Cicero					14351
				039	6	Country Club Hills					16691
				041	6	Crestwood village					17497
				046	6	Deerfield village, part					18992
				048	4	Des Plaines					19642
				050	6	Dolton village					20292
				057	4	Elgin, part					23074
				058	5	Elk Grove Village village, part					23256
				060	6	Elmwood Park village					23724
				061	4	Evanston					24582
				062	6	Evergreen Park village					24634
				064	6	Forest Park village					26935
				065	6	Franklin Park village					27702
				071	5	Glenview village					29938
				074	5	Hanover Park village, part					32746
				075	5	Harvey					33383

Vital Statistics Geographic Code Outline for the United States  
 Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
14						Illinois	17				
			076	6		Hazel Crest village					33695
			078	6		Hickory Hills					34514
			080	6		Hinsdale village, part					35307
			081	5		Hoffman Estates village, part					35411
			082	6		Homewood village					35879
			085	6		Justice village					38830
			088	6		La Grange Park village					40793
			089	6		La Grange village					40767
			092	5		Lansing village					42028
			095	6		Lincolnwood village					43744
			103	6		Markham					47007
			104	6		Matteson village					47540



Vital Statistics Geographic Code Outline for the United States 70  
Effective with 1999 Data

Vital Statistics Codes					FIPS Codes							
St	Cnty	P/MSA	M/NM	City	P/S	Area	Names	St	Cnty	P/S	P/MSA	Place
14						Illinois		17				
	016					Cook, con.		031	0		1600	
				106	5	Maywood	village					47774
				107	6	Melrose Park	village					48242
				108	6	Midlothian	village					48892
				111	6	Morton Grove	village					50647
				113	4	Mount Prospect	village					51089
				117	5	Niles	village					53000
				119	6	Norridge	village					53377
				120	5	Northbrook	village					53481
				122	6	Northlake						53871
				123	5	Oak Forest						54638
				124	4	Oak Lawn	village					54820
				125	4	Oak Park	village					54885
				127	5	Orland Park	village					56640
				129	5	Palatine	village					57225
				130	6	Palos Heights						57381
				131	6	Palos Hills						57394
				132	6	Park Forest	village, part					57732
				133	5	Park Ridge						57875
				137	6	Prospect Heights						62016
				140	6	Richton Park	village					63706
				141	6	Riverdale	village					64278
				142	6	River Forest	village					64304
				145	6	Rolling Meadows						65338
				147	6	Roselle	village, part					65806
				150	4	Schaumburg	village, part					68003
				151	6	Schiller Park	village					68081
				152	4	Skokie	village					70122
				153	6	South Holland	village					70850
				156	5	Streamwood	village					73157

Vital Statistics Geographic Code Outline for the United States 71  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
14						Illinois	17				
				159	5	Tinley Park village, part					75484
				166	6	Westchester village					80047
				168	6	Western Springs village					80242
				171	5	Wheeling village, part					81087
				172	5	Wilmette village					82075
				173	6	Winnetka village					82530
				178	6	Worth village					83518
				999	9	Balance of county					99999
017	000	2	999	9		Crawford	033	6		0000	
018	000	2	999	9		Cumberland	035	6		0000	
019	055	1				De Kalb	037	4		1600	
				047	5	De Kalb					19161
				999	9	Balance of county					99999
020	000	2	999	9		De Witt	039	6		0000	
021	000	2	999	9		Douglas	041	6		0000	
022	055	1				Du Page	043	1		1600	
				001	5	Addison village					00243
				006	4	Aurora, part					03012
				007	6	Bartlett village, part					04013
				008	6	Batavia, part					04078
				012	6	Bensenville village, part					05248
				014	6	Bloomington village					06587
				017	5	Bolingbrook village, part					07133
				028	5	Carol Stream village					11332
				034	0	Chicago, part					14000
				044	6	Darien					18628
				051	5	Downers Grove village					20591
				058	5	Elk Grove Village village, part					23256
				059	5	Elmhurst					23620
				069	5	Glendale Heights village					29730
				070	6	Glen Ellyn village					29756

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
14						Illinois	17				
			074	5		Hanover Park village, part					32746
			080	6		Hinsdale village, part					35307
			096	6		Lisle village					43939
			097	5		Lombard village					44407
			116	4		Naperville, part					51622
			147	6		Roselle village, part					65806
			149	6		St. Charles, part					66703
			150	4		Schaumburg village, part					68003
			162	6		Villa Park village					77993
			163	6		Warrenville					78929
			167	6		West Chicago					80060
			169	6		Westmont village					80645
			170	4		Wheaton					81048

Vital Statistics Geographic Code Outline for the United States 73  
 Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
14						Illinois	17				
	022					Du Page, con.	043	1		1600	
				174	6	Wood Dale					82985
				175	5	Woodridge village, part					83245
				999	9	Balance of county					99999
	023	000	2	999	9	Edgar	045	6		0000	
	024	000	2	999	9	Edwards	047	6		0000	
	025	000	2			Effingham	049	5		0000	
				056	6	Effingham					22736
				999	9	Balance of county					99999
	026	000	2	999	9	Fayette	051	6		0000	
	027	000	2	999	9	Ford	053	6		0000	
	028	000	2	999	9	Franklin	055	5		0000	
	029	000	2			Fulton	057	5		0000	
				026	6	Canton					11007
				999	9	Balance of county					99999
	030	000	2	999	9	Gallatin	059	6		0000	
	031	000	2	999	9	Greene	061	6		0000	
	032	055	1			Grundy	063	5		1600	
				110	6	Morris					50491
				999	9	Balance of county					99999
	033	000	2	999	9	Hamilton	065	6		0000	
	034	000	2	999	9	Hancock	067	6		0000	
	035	000	2	999	9	Hardin	069	6		0000	
	036	000	2	999	9	Henderson	071	6		0000	
	037	069	1			Henry	073	4		1960	
				087	6	Kewanee					39727
				999	9	Balance of county					99999
	038	000	2	999	9	Iroquois	075	5		0000	
	039	000	2			Jackson	077	4		0000	
				027	5	Carbondale					11163

Vital Statistics Geographic Code Outline for the United States 74  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
14						Illinois	17				
				999	9	Balance of county					99999
040	000	2		999	9	Jasper	079	6		0000	
041	000	2				Jefferson	081	5		0000	
				114	6	Mount Vernon					51180
				999	9	Balance of county					99999
042	243	1		999	9	Jersey	083	6		7040	
043	000	2		999	9	Jo Daviess	085	6		0000	
044	000	2		999	9	Johnson	087	6		0000	
045	055	1				Kane	089	2		1600	
				002	6	Algonquin village, part					00685
				006	4	Aurora, part					03012
				007	6	Bartlett village, part					04013
				008	6	Batavia, part					04078
				029	6	Carpentersville village					11358
				057	4	Elgin, part					23074
				068	6	Geneva					28872
				149	6	St. Charles, part					66703
				999	9	Balance of county					99999
046	144	1				Kankakee	091	4		3740	
				018	6	Bourbonnais village					07471
				019	6	Bradley village					07744
				086	5	Kankakee					38934
				999	9	Balance of county					99999
047	055	1		999	9	Kendall	093	5		1600	
048	000	2				Knox	095	4		0000	
				067	5	Galesburg					28326
				999	9	Balance of county					99999
049	055	1				Lake	097	1		1600	
				022	5	Buffalo Grove village, part					09447
				046	6	Deerfield village, part					18992
				073	6	Gurnee village					32018

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
14						Illinois	17				
				079	5	Highland Park					34722
				090	6	Lake Forest					41105
				091	6	Lake Zurich village					41742
				093	6	Libertyville village					43250
				115	6	Mundelein village					51349
				121	5	North Chicago					53559
				148	6	Round Lake Beach village					66040
				161	6	Vernon Hills village					77694
				165	4	Waukegan					79293
				171	5	Wheeling village, part					81087
				179	6	Zion					84220
				999	9	Balance of county					99999
050	000		2			La Salle	099	3		0000	
				128	6	Ottawa					56926

Vital Statistics Geographic Code Outline for the United States 76  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
14						Illinois	17				
	050					La Salle, con.	099	3	0000		
				157	6	Streator, part					73170
				999	9	Balance of county					99999
	051	000	2	999	9	Lawrence	101	6	0000		
	052	000	2			Lee	103	5	0000		
				049	6	Dixon					20162
				999	9	Balance of county					99999
	053	000	2			Livingston	105	5	0000		
				136	6	Pontiac					61015
				157	6	Streator, part					73170
				999	9	Balance of county					99999
	054	000	2			Logan	107	5	0000		
				094	6	Lincoln					43536
				999	9	Balance of county					99999
	055	000	2			McDonough	109	5	0000		
				101	6	Macomb					45889
				999	9	Balance of county					99999
	056	055	1			McHenry	111	3	1600		
				002	6	Algonquin village, part					00685
				030	6	Cary village					11592
				042	6	Crystal Lake					17887
				099	6	McHenry					45694
				177	6	Woodstock					83349
				999	9	Balance of county					99999
	057	035	1			McLean	113	3	1040		
				015	4	Bloomington					06613
				118	5	Normal					53234
				999	9	Balance of county					99999
	058	073	1			Macon	115	3	2040		
				045	4	Decatur					18823

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
14						Illinois	17				
				999	9	Balance of county					99999
059	000	2	999	9	Macoupin		117	5	0000		
060	243	1			Madison		119	3	7040		
				004	5	Alton					01114
				038	6	Collinsville, part					15599
				055	6	Edwardsville					22697
				072	5	Granite City					30926
				176	6	Wood River					83271
				999	9	Balance of county					99999
061	000	2			Marion		121	5	0000		
				031	6	Centralia, part					12164
				999	9	Balance of county					99999
062	000	2	999	9	Marshall		123	6	0000		
063	000	2	999	9	Mason		125	6	0000		
064	000	2	999	9	Massac		127	6	0000		
065	269	1	999	9	Menard		129	6	7880		
066	000	2	999	9	Mercer		131	6	0000		
067	243	1	999	9	Monroe		133	6	7040		
068	000	2	999	9	Montgomery		135	5	0000		
069	000	2			Morgan		137	5	0000		
				083	6	Jacksonville					38115
				999	9	Balance of county					99999
070	000	2	999	9	Moultrie		139	6	0000		
071	237	1	999	9	Ogle		141	5	6880		
072	213	1			Peoria		143	3	6120		
				134	5	Pekin, part					58447
				135	3	Peoria					59000
				999	9	Balance of county					99999
073	000	2	999	9	Perry		145	6	0000		
074	000	2	999	9	Piatt		147	6	0000		
075	000	2	999	9	Pike		149	6	0000		



Vital Statistics Geographic Code Outline for the United States 78  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
14						Illinois	17				
	076	000	2	999	9	Pope		151	6	0000	
	077	000	2	999	9	Pulaski		153	6	0000	
	078	000	2	999	9	Putnam		155	6	0000	
	079	000	2	999	9	Randolph		157	5	0000	
	080	000	2	999	9	Richland		159	6	0000	
	081	069	1			Rock Island		161	3	1960	
				052	6	East Moline					22073
				109	5	Moline					49867
				144	5	Rock Island					65078
				999	9	Balance of county					99999
	082	243	1			St. Clair		163	2	7040	
				009	5	Belleville					04845
				024	6	Cahokia village					10370

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
14						Illinois	17				
	082					St. Clair, con.	163	2		7040	
				038	6	Collinsville, part					15599
				054	5	East St. Louis					22255
				063	6	Fairview Heights					25141
				126	6	O'Fallon					55249
				999	9	Balance of county					99999
	083	000	2	999	9	Saline	165	5		0000	
	084	269	1			Sangamon	167	3		7880	
				154	3	Springfield					72000
				999	9	Balance of county					99999
	085	000	2	999	9	Schuyler	169	6		0000	
	086	000	2	999	9	Scott	171	6		0000	
	087	000	2	999	9	Shelby	173	6		0000	
	088	000	2	999	9	Stark	175	6		0000	
	089	000	2			Stephenson	177	5		0000	
				066	5	Freeport					27884
				999	9	Balance of county					99999
	090	213	1			Tazewell	179	3		6120	
				053	6	East Peoria					22164
				112	6	Morton village					50621
				134	5	Pekin, part					58447
				164	6	Washington					79033
				999	9	Balance of county					99999
	091	000	2	999	9	Union	181	6		0000	
	092	000	2			Vermilion	183	4		0000	
				043	5	Danville					18563
				999	9	Balance of county					99999
	093	000	2	999	9	Wabash	185	6		0000	
	094	000	2	999	9	Warren	187	6		0000	
	095	000	2	999	9	Washington	189	6		0000	

Vital Statistics Geographic Code Outline for the United States 80  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
14						Illinois	17				
	096	000	2	999	9	Wayne		191	6	0000	
	097	000	2	999	9	White		193	6	0000	
	098	000	2			Whiteside		195	4	0000	
				155	6	Sterling					72546
				999	9	Balance of county					99999
	099	055	1			Will		197	2	1600	
				017	5	Bolingbrook village, part					07133
				040	6	Crest Hill					17458
				084	4	Joliet					38570
				116	4	Naperville, part					51622
				132	6	Park Forest village, part					57732
				146	6	Romeoville village					65442
				159	5	Tinley Park village, part					75484
				175	5	Woodridge village, part					83245
				999	9	Balance of county					99999
	100	000	2			Williamson		199	4	0000	
				077	6	Herrin					34358
				102	6	Marion					46916
				999	9	Balance of county					99999
	101	237	1			Winnebago		201	2	6880	
				098	6	Loves Park					45031
				100	6	Machesney Park village					45726
				143	3	Rockford					65000
				999	9	Balance of county					99999
	102	213	1	999	9	Woodford		203	5	6120	

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
15						Indiana	18				
	001	102	1	999	9	Adams		001	5	2760	
	002	102	1			Allen		003	2	2760	
				015	3	Fort Wayne					25000
				047	6	New Haven					52992
				999	9	Balance of county					99999
	003	000	2			Bartholomew		005	4	0000	
				007	5	Columbus					14734
				999	9	Balance of county					99999
	004	000	2	999	9	Benton		007	6	0000	
	005	000	2	999	9	Blackford		009	6	0000	
	006	130	1			Boone		011	5	3480	
				035	6	Lebanon					42624
				999	9	Balance of county					99999
	007	000	2	999	9	Brown		013	6	0000	
	008	000	2	999	9	Carroll		015	6	0000	
	009	000	2			Cass		017	5	0000	
				036	6	Logansport					44658
				999	9	Balance of county					99999
	010	169	1			Clark		019	4	4520	
				006	6	Clarksville					12934
				029	6	Jeffersonville					38358
				999	9	Balance of county					99999
	011	280	1	999	9	Clay		021	6	8320	
	012	152	1			Clinton		023	5	3920	
				016	6	Frankfort					25324
				999	9	Balance of county					99999
	013	000	2	999	9	Crawford		025	6	0000	
	014	000	2			Daviess		027	5	0000	
				063	6	Washington					80504
				999	9	Balance of county					99999
	015	057	1	999	9	Dearborn		029	5	1640	

Vital Statistics Geographic Code Outline for the United States 82  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
15						Indiana	18				
	016	000	2	999	9	Decatur		031	6	0000	
	017	102	1	999	9	De Kalb		033	5	2760	
	018	189	1			Delaware		035	3	5280	
				043	4	Muncie					51876
				999	9	Balance of county					99999
	019	000	2			Dubois		037	5	0000	
				028	6	Jasper					37782
				999	9	Balance of county					99999
	020	084	1			Elkhart		039	3	2330	
				013	5	Elkhart					20728
				019	6	Goshen					28386
				999	9	Balance of county					99999
	021	000	2			Fayette		041	5	0000	
				008	6	Connersville					14932
				999	9	Balance of county					99999
	022	169	1			Floyd		043	4	4520	
				045	5	New Albany					52326
				999	9	Balance of county					99999
	023	000	2	999	9	Fountain		045	6	0000	
	024	000	2	999	9	Franklin		047	6	0000	
	025	000	2	999	9	Fulton		049	6	0000	
	026	000	2	999	9	Gibson		051	5	0000	
	027	000	2			Grant		053	4	0000	
				038	5	Marion					46908
				999	9	Balance of county					99999
	028	000	2	999	9	Greene		055	5	0000	
	029	130	1			Hamilton		057	3	3480	
				005	5	Carmel					10342
				048	6	Noblesville					54180
				999	9	Balance of county					99999
	030	130	1			Hancock		059	5	3480	

Vital Statistics Geographic Code Outline for the United States  
 Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
15						Indiana	18				
				020	6	Greenfield					29520
				999	9	Balance of county					99999
031	169	1		999	9	Harrison	061	5	4520		
032	130	1				Hendricks	063	4	3480		
				050	6	Plainfield					60246
				999	9	Balance of county					99999
033	000	2				Henry	065	5	0000		
				046	6	New Castle					52740
				999	9	Balance of county					99999
034	149	1				Howard	067	4	3850		
				030	5	Kokomo					40392
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
15						Indiana	18				
	035	102	1			Huntington		069	5	2760	
				026	6	Huntington					35302
				999	9	Balance of county					99999
	036	000	2			Jackson		071	5	0000	
				054	6	Seymour					68832
				999	9	Balance of county					99999
	037	000	2	999	9	Jasper		073	6	0000	
	038	000	2	999	9	Jay		075	6	0000	
	039	000	2			Jefferson		077	5	0000	
				037	6	Madison					45990
				999	9	Balance of county					99999
	040	000	2	999	9	Jennings		079	6	0000	
	041	130	1			Johnson		081	4	3480	
				017	6	Franklin					25450
				021	5	Greenwood					29898
				999	9	Balance of county					99999
	042	000	2			Knox		083	5	0000	
				060	6	Vincennes					79208
				999	9	Balance of county					99999
	043	000	2			Kosciusko		085	4	0000	
				062	6	Warsaw					80306
				999	9	Balance of county					99999
	044	000	2	999	9	Lagrange		087	5	0000	
	045	108	1			Lake		089	2	2960	
				010	6	Crown Point					16138
				011	6	Dyer					19270
				012	5	East Chicago					19486
				018	3	Gary					27000
				022	6	Griffith					30042
				023	4	Hammond					31000
				024	6	Highland					33466

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
15						Indiana	18				
				025	6	Hobart					34114
				032	6	Lake Station					41535
				040	5	Merrillville					48528
				044	6	Munster					51912
				053	6	Schererville					68220
				999	9	Balance of county					99999
046	000	2				La Porte	091	3	0000		
				033	6	La Porte					42246
				041	5	Michigan City					48798
				999	9	Balance of county					99999
047	000	2				Lawrence	093	5	0000		
				002	6	Bedford					04114
				999	9	Balance of county					99999
048	130	1				Madison	095	3	3480		
				001	4	Anderson					01468
				999	9	Balance of county					99999
049	130	1				Marion	097	1	3480		
				003	6	Beech Grove					04204
				027	1	Indianapolis					36000
				034	5	Lawrence					42426
				057	6	Speedway					71828
				999	9	Balance of county					99999
050	000	2	999	9		Marshall	099	5	0000		
051	000	2	999	9		Martin	101	6	0000		
052	000	2				Miami	103	5	0000		
				049	6	Peru					59328
				999	9	Balance of county					99999
053	034	1				Monroe	105	3	1020		
				004	4	Bloomington					05860
				999	9	Balance of county					99999
054	000	2				Montgomery	107	5	0000		



Vital Statistics Geographic Code Outline for the United States 86  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
15						Indiana	18				
				009	6	Crawfordsville					15742
				999	9	Balance of county					99999
055	130	1				Morgan	109	4		3480	
				039	6	Martinsville					47448
				999	9	Balance of county					99999
056	000	2	999	9		Newton	111	6		0000	
057	000	2	999	9		Noble	113	5		0000	
058	057	1	999	9		Ohio	115	6		1640	
059	000	2	999	9		Orange	117	6		0000	
060	000	2	999	9		Owen	119	6		0000	
061	000	2	999	9		Parke	121	6		0000	
062	000	2	999	9		Perry	123	6		0000	

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
15						Indiana	18				
	063	000	2	999	9	Pike		125	6	0000	
	064	108	1			Porter		127	3	2960	
				051	5	Portage					61092
				059	6	Valparaiso					78326
				999	9	Balance of county					99999
	065	089	1	999	9	Posey		129	5	2440	
	066	000	2	999	9	Pulaski		131	6	0000	
	067	000	2	999	9	Putnam		133	5	0000	
	068	000	2	999	9	Randolph		135	5	0000	
	069	000	2	999	9	Ripley		137	6	0000	
	070	000	2	999	9	Rush		139	6	0000	
	071	267	1			St. Joseph		141	3	7800	
				042	5	Mishawaka					49932
				056	3	South Bend					71000
				999	9	Balance of county					99999
	072	169	1	999	9	Scott		143	6	4520	
	073	130	1			Shelby		145	5	3480	
				055	6	Shelbyville					69318
				999	9	Balance of county					99999
	074	000	2	999	9	Spencer		147	6	0000	
	075	000	2	999	9	Starke		149	6	0000	
	076	000	2	999	9	Steuben		151	5	0000	
	077	000	2	999	9	Sullivan		153	6	0000	
	078	000	2	999	9	Switzerland		155	6	0000	
	079	152	1			Tippecanoe		157	3	3920	
				031	5	Lafayette					40788
				064	5	West Lafayette					82862
				999	9	Balance of county					99999
	080	149	1	999	9	Tipton		159	6	3850	
	081	000	2	999	9	Union		161	6	0000	

Vital Statistics Geographic Code Outline for the United States 88  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
15						Indiana	18				
	082	089	1			Vanderburgh		163	3	2440	
				014	3	Evansville					22000
				999	9	Balance of county					99999
	083	280	1	999	9	Vermillion		165	6	8320	
	084	280	1			Vigo		167	3	8320	
				058	4	Terre Haute					75428
				999	9	Balance of county					99999
	085	000	2			Wabash		169	5	0000	
				061	6	Wabash					79370
				999	9	Balance of county					99999
	086	000	2	999	9	Warren		171	6	0000	
	087	089	1	999	9	Warrick		173	5	2440	
	088	000	2	999	9	Washington		175	6	0000	
	089	000	2			Wayne		177	4	0000	
				052	5	Richmond					64260
				999	9	Balance of county					99999
	090	102	1	999	9	Wells		179	5	2760	
	091	000	2	999	9	White		181	6	0000	
	092	102	1	999	9	Whitley		183	5	2760	

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
16						Iowa	19				
	001	000	2	999	9	Adair		001	6	0000	
	002	000	2	999	9	Adams		003	6	0000	
	003	000	2	999	9	Allamakee		005	6	0000	
	004	000	2	999	9	Appanoose		007	6	0000	
	005	000	2	999	9	Audubon		009	6	0000	
	006	000	2	999	9	Benton		011	6	0000	
	007	297	1			Black Hawk		013	3	8920	
				006	5	Cedar Falls					11755
				029	4	Waterloo					82425
				999	9	Balance of county					99999
	008	000	2			Boone		015	5	0000	
				004	6	Boone					07480
				999	9	Balance of county					99999
	009	000	2	999	9	Bremer		017	6	0000	
	010	000	2	999	9	Buchanan		019	6	0000	
	011	000	2	999	9	Buena Vista		021	6	0000	
	012	000	2	999	9	Butler		023	6	0000	
	013	000	2	999	9	Calhoun		025	6	0000	
	014	000	2	999	9	Carroll		027	6	0000	
	015	000	2	999	9	Cass		029	6	0000	
	016	000	2	999	9	Cedar		031	6	0000	
	017	000	2			Cerro Gordo		033	5	0000	
				021	5	Mason City					50160
				999	9	Balance of county					99999
	018	000	2	999	9	Cherokee		035	6	0000	
	019	000	2	999	9	Chickasaw		037	6	0000	
	020	000	2	999	9	Clarke		039	6	0000	
	021	000	2			Clay		041	6	0000	
				027	6	Spencer					74280
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 90  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
16						Iowa	19				
	022	000	2	999	9	Clayton	043	6	0000		
	023	000	2			Clinton	045	4	0000		
				008	5	Clinton					14430
				999	9	Balance of county					99999
	024	000	2	999	9	Crawford	047	6	0000		
	025	075	1			Dallas	049	5	2120		
				030	5	West Des Moines, part					83910
				999	9	Balance of county					99999
	026	000	2	999	9	Davis	051	6	0000		
	027	000	2	999	9	Decatur	053	6	0000		
	028	000	2	999	9	Delaware	055	6	0000		
	029	000	2			Des Moines	057	5	0000		
				005	5	Burlington					09550
				999	9	Balance of county					99999
	030	000	2	999	9	Dickinson	059	6	0000		
	031	079	1			Dubuque	061	4	2200		
				013	4	Dubuque					22395
				999	9	Balance of county					99999
	032	000	2	999	9	Emmet	063	6	0000		
	033	000	2	999	9	Fayette	065	6	0000		
	034	000	2	999	9	Floyd	067	6	0000		
	035	000	2	999	9	Franklin	069	6	0000		
	036	000	2	999	9	Fremont	071	6	0000		
	037	000	2	999	9	Greene	073	6	0000		
	038	000	2	999	9	Grundy	075	6	0000		
	039	000	2	999	9	Guthrie	077	6	0000		
	040	000	2	999	9	Hamilton	079	6	0000		
	041	000	2	999	9	Hancock	081	6	0000		
	042	000	2	999	9	Hardin	083	6	0000		
	043	000	2	999	9	Harrison	085	6	0000		
	044	000	2	999	9	Henry	087	6	0000		

Vital Statistics Geographic Code Outline for the United States 91  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
16						Iowa	19				
	045	000	2	999	9	Howard		089	6	0000	
	046	000	2	999	9	Humboldt		091	6	0000	
	047	000	2	999	9	Ida		093	6	0000	
	048	000	2	999	9	Iowa		095	6	0000	
	049	000	2	999	9	Jackson		097	6	0000	
	050	000	2			Jasper		099	5	0000	
				023	6	Newton					56505
				999	9	Balance of county					99999
	051	000	2	999	9	Jefferson		101	6	0000	
	052	131	1			Johnson		103	4	3500	
				009	6	Coralville					16230
				017	4	Iowa City					38595
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 92  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
16						Iowa	19				
	053	000	2	999	9	Jones		105	6	0000	
	054	000	2	999	9	Keokuk		107	6	0000	
	055	000	2	999	9	Kossuth		109	6	0000	
	056	000	2			Lee		111	5	0000	
				015	6	Fort Madison					28605
				018	6	Keokuk					40845
				999	9	Balance of county					99999
	057	047	1			Linn		113	3	1360	
				007	3	Cedar Rapids					12000
				019	6	Marion					49485
				999	9	Balance of county					99999
	058	000	2	999	9	Louisa		115	6	0000	
	059	000	2	999	9	Lucas		117	6	0000	
	060	000	2	999	9	Lyon		119	6	0000	
	061	000	2	999	9	Madison		121	6	0000	
	062	000	2			Mahaska		123	6	0000	
				024	6	Oskaloosa					59925
				999	9	Balance of county					99999
	063	000	2	999	9	Marion		125	5	0000	
	064	000	2			Marshall		127	5	0000	
				020	5	Marshalltown					49755
				999	9	Balance of county					99999
	065	000	2	999	9	Mills		129	6	0000	
	066	000	2	999	9	Mitchell		131	6	0000	
	067	000	2	999	9	Monona		133	6	0000	
	068	000	2	999	9	Monroe		135	6	0000	
	069	000	2	999	9	Montgomery		137	6	0000	
	070	000	2			Muscatine		139	5	0000	
				022	6	Muscatine					55110
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 93  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
16						Iowa	19				
	071	000	2	999	9	O'Brien	141	6	0000		
	072	000	2	999	9	Osceola	143	6	0000		
	073	000	2	999	9	Page	145	6	0000		
	074	000	2	999	9	Palo Alto	147	6	0000		
	075	000	2	999	9	Plymouth	149	6	0000		
	076	000	2	999	9	Pocahontas	151	6	0000		
	077	075	1			Polk	153	2	2120		
				002	6	Ankeny					02305
				012	3	Des Moines					21000
				028	6	Urbandale					79950
				030	5	West Des Moines, part					83910
				999	9	Balance of county					99999
	078	206	1			Pottawattamie	155	4	5920		
				010	4	Council Bluffs					16860
				999	9	Balance of county					99999
	079	000	2	999	9	Poweshiek	157	6	0000		
	080	000	2	999	9	Ringgold	159	6	0000		
	081	000	2	999	9	Sac	161	6	0000		
	082	069	1			Scott	163	3	1960		
				003	5	Bettendorf					06355
				011	4	Davenport					19000
				999	9	Balance of county					99999
	083	000	2	999	9	Shelby	165	6	0000		
	084	000	2	999	9	Sioux	167	5	0000		
	085	000	2			Story	169	4	0000		
				001	5	Ames					01855
				999	9	Balance of county					99999
	086	000	2	999	9	Tama	171	6	0000		
	087	000	2	999	9	Taylor	173	6	0000		
	088	000	2	999	9	Union	175	6	0000		
	089	000	2	999	9	Van Buren	177	6	0000		



Vital Statistics Geographic Code Outline for the United States 94  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
16						Iowa	19				
	090	000	2			Wapello		179	5	0000	
				025	6	Ottumwa					60465
				999	9	Balance of county					99999
	091	075	1			Warren		181	5	2120	
				016	6	Indianola					38280
				999	9	Balance of county					99999
	092	000	2	999	9	Washington		183	6	0000	
	093	000	2	999	9	Wayne		185	6	0000	
	094	000	2			Webster		187	5	0000	
				014	5	Fort Dodge					28515
				999	9	Balance of county					99999
	095	000	2	999	9	Winnebago		189	6	0000	
	096	000	2	999	9	Winneshiek		191	6	0000	

Vital Statistics Geographic Code Outline for the United States 95  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
16						Iowa	19				
	097	265	1			Woodbury		193	4	7720	
				026	4	Sioux City					73335
				999	9	Balance of county					99999
	098	000	2	999	9	Worth		195	6	0000	
	099	000	2	999	9	Wright		197	6	0000	

Vital Statistics Geographic Code Outline for the United States 96  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
17						Kansas	20				
	001	000	2	999	9	Allen		001	6	0000	
	002	000	2	999	9	Anderson		003	6	0000	
	003	000	2			Atchison		005	6	0000	
				002	6	Atchison					02900
				999	9	Balance of county					99999
	004	000	2	999	9	Barber		007	6	0000	
	005	000	2			Barton		009	5	0000	
				009	6	Great Bend					28300
				999	9	Balance of county					99999
	006	000	2	999	9	Bourbon		011	6	0000	
	007	000	2	999	9	Brown		013	6	0000	
	008	301	1			Butler		015	4	9040	
				006	6	El Dorado					20075
				999	9	Balance of county					99999
	009	000	2	999	9	Chase		017	6	0000	
	010	000	2	999	9	Chautauqua		019	6	0000	
	011	000	2	999	9	Cherokee		021	6	0000	
	012	000	2	999	9	Cheyenne		023	6	0000	
	013	000	2	999	9	Clark		025	6	0000	
	014	000	2	999	9	Clay		027	6	0000	
	015	000	2	999	9	Cloud		029	6	0000	
	016	000	2	999	9	Coffey		031	6	0000	
	017	000	2	999	9	Comanche		033	6	0000	
	018	000	2			Cowley		035	5	0000	
				001	6	Arkansas City					02300
				034	6	Winfield					79950
				999	9	Balance of county					99999
	019	000	2			Crawford		037	5	0000	
				028	6	Pittsburg					56025
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 97  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
17						Kansas	20				
	020	000	2	999	9	Decatur		039	6	0000	
	021	000	2	999	9	Dickinson		041	6	0000	
	022	000	2	999	9	Doniphan		043	6	0000	
	023	160	1			Douglas		045	4	4150	
				015	4	Lawrence					38900
				999	9	Balance of county					99999
	024	000	2	999	9	Edwards		047	6	0000	
	025	000	2	999	9	Elk		049	6	0000	
	026	000	2			Ellis		051	5	0000	
				010	6	Hays					31100
				999	9	Balance of county					99999
	027	000	2	999	9	Ellsworth		053	6	0000	
	028	000	2			Finney		055	5	0000	
				008	6	Garden City					25325
				999	9	Balance of county					99999
	029	000	2			Ford		057	5	0000	
				005	6	Dodge City					18250
				999	9	Balance of county					99999
	030	000	2			Franklin		059	6	0000	
				025	6	Ottawa					53550
				999	9	Balance of county					99999
	031	000	2			Geary		061	5	0000	
				013	6	Junction City					35750
				999	9	Balance of county					99999
	032	000	2	999	9	Gove		063	6	0000	
	033	000	2	999	9	Graham		065	6	0000	
	034	000	2	999	9	Grant		067	6	0000	
	035	000	2	999	9	Gray		069	6	0000	
	036	000	2	999	9	Greeley		071	6	0000	
	037	000	2	999	9	Greenwood		073	6	0000	
	038	000	2	999	9	Hamilton		075	6	0000	

Vital Statistics Geographic Code Outline for the United States 98  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
17						Kansas	20				
	039	000	2	999	9	Harper		077	6	0000	
	040	301	1			Harvey		079	5	9040	
				023	6	Newton					50475
				999	9	Balance of county					99999
	041	000	2	999	9	Haskell		081	6	0000	
	042	000	2	999	9	Hodgeman		083	6	0000	
	043	000	2	999	9	Jackson		085	6	0000	
	044	000	2	999	9	Jefferson		087	6	0000	
	045	000	2	999	9	Jewell		089	6	0000	
	046	145	1			Johnson		091	2	3760	
				017	6	Leawood					39075
				018	5	Lenexa					39350
				022	6	Merriam					46000

Vital Statistics Geographic Code Outline for the United States 99  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
17						Kansas	20				
	046					Johnson, con.	091	2		3760	
				024	4	Olathe					52575
				026	3	Overland Park					53775
				029	6	Prairie Village					57575
				031	5	Shawnee					64500
				999	9	Balance of county					99999
	047	000	2	999	9	Kearny	093	6		0000	
	048	000	2	999	9	Kingman	095	6		0000	
	049	000	2	999	9	Kiowa	097	6		0000	
	050	000	2			Labette	099	6		0000	
				027	6	Parsons					54675
				999	9	Balance of county					99999
	051	000	2	999	9	Lane	101	6		0000	
	052	145	1			Leavenworth	103	4		3760	
				016	5	Leavenworth					39000
				999	9	Balance of county					99999
	053	000	2	999	9	Lincoln	105	6		0000	
	054	000	2	999	9	Linn	107	6		0000	
	055	000	2	999	9	Logan	109	6		0000	
	056	000	2			Lyon	111	5		0000	
				007	5	Emporia					21275
				999	9	Balance of county					99999
	057	000	2			McPherson	113	5		0000	
				020	6	McPherson					43950
				999	9	Balance of county					99999
	058	000	2	999	9	Marion	115	6		0000	
	059	000	2	999	9	Marshall	117	6		0000	
	060	000	2	999	9	Meade	119	6		0000	
	061	145	1	999	9	Miami	121	6		3760	
	062	000	2	999	9	Mitchell	123	6		0000	

Vital Statistics Geographic Code Outline for the United States 100  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
17						Kansas	20				
	063	000	2			Montgomery		125	5	0000	
				003	6	Coffeyville					14600
				012	6	Independence					33875
				999	9	Balance of county					99999
	064	000	2	999	9	Morris		127	6	0000	
	065	000	2	999	9	Morton		129	6	0000	
	066	000	2	999	9	Nemaha		131	6	0000	
	067	000	2	999	9	Neosho		133	6	0000	
	068	000	2	999	9	Ness		135	6	0000	
	069	000	2	999	9	Norton		137	6	0000	
	070	000	2	999	9	Osage		139	6	0000	
	071	000	2	999	9	Osborne		141	6	0000	
	072	000	2	999	9	Ottawa		143	6	0000	
	073	000	2	999	9	Pawnee		145	6	0000	
	074	000	2	999	9	Phillips		147	6	0000	
	075	000	2			Pottawatomie		149	6	0000	
				021	5	Manhattan, part					44250
				999	9	Balance of county					99999
	076	000	2	999	9	Pratt		151	6	0000	
	077	000	2	999	9	Rawlins		153	6	0000	
	078	000	2			Reno		155	4	0000	
				011	5	Hutchinson					33625
				999	9	Balance of county					99999
	079	000	2	999	9	Republic		157	6	0000	
	080	000	2	999	9	Rice		159	6	0000	
	081	000	2			Riley		161	4	0000	
				021	5	Manhattan, part					44250
				999	9	Balance of county					99999
	082	000	2	999	9	Rooks		163	6	0000	
	083	000	2	999	9	Rush		165	6	0000	

Vital Statistics Geographic Code Outline for the United States 101  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
17						Kansas	20				
	084	000	2	999	9	Russell		167	6	0000	
	085	000	2			Saline		169	5	0000	
				030	5	Salina					62700
				999	9	Balance of county					99999
	086	000	2	999	9	Scott		171	6	0000	
	087	301	1			Sedgwick		173	2	9040	
				004	6	Derby					17800
				033	2	Wichita					79000
				999	9	Balance of county					99999
	088	000	2			Seward		175	6	0000	
				019	6	Liberal					39825
				999	9	Balance of county					99999
	089	283	1			Shawnee		177	3	8440	
				032	3	Topeka					71000



Vital Statistics Geographic Code Outline for the United States 102  
 Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
17						Kansas	20				
	089					Shawnee, con.	177	3		8440	
				999	9	Balance of county					99999
	090	000	2	999	9	Sheridan	179	6		0000	
	091	000	2	999	9	Sherman	181	6		0000	
	092	000	2	999	9	Smith	183	6		0000	
	093	000	2	999	9	Stafford	185	6		0000	
	094	000	2	999	9	Stanton	187	6		0000	
	095	000	2	999	9	Stevens	189	6		0000	
	096	000	2	999	9	Sumner	191	5		0000	
	097	000	2	999	9	Thomas	193	6		0000	
	098	000	2	999	9	Trego	195	6		0000	
	099	000	2	999	9	Wabaunsee	197	6		0000	
	100	000	2	999	9	Wallace	199	6		0000	
	101	000	2	999	9	Washington	201	6		0000	
	102	000	2	999	9	Wichita	203	6		0000	
	103	000	2	999	9	Wilson	205	6		0000	
	104	000	2	999	9	Woodson	207	6		0000	
	105	145	1			Wyandotte	209	3		3760	
				014	3	Kansas City					36000
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
18						Kentucky	21				
	001	000	2	999	9	Adair		001	6	0000	
	002	000	2	999	9	Allen		003	6	0000	
	003	000	2	999	9	Anderson		005	6	0000	
	004	000	2	999	9	Ballard		007	6	0000	
	005	000	2			Barren		009	5	0000	
				011	6	Glasgow					31114
				999	9	Balance of county					99999
	006	000	2	999	9	Bath		011	6	0000	
	007	000	2			Bell		013	5	0000	
				019	6	Middlesborough					51924
				999	9	Balance of county					99999
	008	057	1			Boone		015	4	1640	
				007	6	Florence					27982
				999	9	Balance of county					99999
	009	163	1	999	9	Bourbon		017	6	4280	
	010	128	1			Boyd		019	4	3400	
				001	6	Ashland					02368
				999	9	Balance of county					99999
	011	000	2			Boyle		021	5	0000	
				004	6	Danville					19882
				999	9	Balance of county					99999
	012	000	2	999	9	Bracken		023	6	0000	
	013	000	2	999	9	Breathitt		025	6	0000	
	014	000	2	999	9	Breckinridge		027	6	0000	
	015	169	1	999	9	Bullitt		029	5	4520	
	016	000	2	999	9	Butler		031	6	0000	
	017	000	2	999	9	Caldwell		033	6	0000	
	018	000	2			Calloway		035	5	0000	
				020	6	Murray					54642
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
18						Kentucky	21				
	019	057	1			Campbell		037	4	1640	
				008	6	Fort Thomas					28594
				021	6	Newport					55884
				999	9	Balance of county					99999
	020	000	2	999	9	Carlisle		039	6	0000	
	021	000	2	999	9	Carroll		041	6	0000	
	022	128	1	999	9	Carter		043	6	3400	
	023	000	2	999	9	Casey		045	6	0000	
	024	058	1			Christian		047	4	1660	
				013	5	Hopkinsville					37918
				999	9	Balance of county					99999
	025	163	1			Clark		049	5	4280	
				030	6	Winchester					83676
				999	9	Balance of county					99999
	026	000	2	999	9	Clay		051	6	0000	
	027	000	2	999	9	Clinton		053	6	0000	
	028	000	2	999	9	Crittenden		055	6	0000	
	029	000	2	999	9	Cumberland		057	6	0000	
	030	209	1			Daviess		059	4	5990	
				023	4	Owensboro					58620
				999	9	Balance of county					99999
	031	000	2	999	9	Edmonson		061	6	0000	
	032	000	2	999	9	Elliott		063	6	0000	
	033	000	2	999	9	Estill		065	6	0000	
	034	163	1	016	3	Fayette, coext. with Lexington-Fayette		067	3	4280	46000
	035	000	2	999	9	Fleming		069	6	0000	
	036	000	2	999	9	Floyd		071	5	0000	
	037	000	2			Franklin		073	5	0000	
				009	5	Frankfort					28900
				999	9	Balance of county					99999
	038	000	2	999	9	Fulton		075	6	0000	

Vital Statistics Geographic Code Outline for the United States 105  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
18						Kentucky	21				
	039	057	1	999	9	Gallatin		077	6	1640	
	040	000	2	999	9	Garrard		079	6	0000	
	041	057	1	999	9	Grant		081	6	1640	
	042	000	2	999	9	Graves		083	5	0000	
	043	000	2	999	9	Grayson		085	6	0000	
	044	000	2	999	9	Green		087	6	0000	
	045	128	1	999	9	Greenup		089	5	3400	
	046	000	2	999	9	Hancock		091	6	0000	
	047	000	2			Hardin		093	4	0000	
				005	6	Elizabethtown					24274
				025	6	Radcliff					63912
				999	9	Balance of county					99999
	048	000	2	999	9	Harlan		095	5	0000	

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
18						Kentucky	21				
	049	000	2	999	9	Harrison		097	6	0000	
	050	000	2	999	9	Hart		099	6	0000	
	051	089	1			Henderson		101	5	2440	
				012	5	Henderson					35866
				999	9	Balance of county					99999
	052	000	2	999	9	Henry		103	6	0000	
	053	000	2	999	9	Hickman		105	6	0000	
	054	000	2			Hopkins		107	5	0000	
				018	6	Madisonville					49368
				999	9	Balance of county					99999
	055	000	2	999	9	Jackson		109	6	0000	
	056	169	1			Jefferson		111	1	4520	
				015	6	Jeffersontown					40222
				017	2	Louisville					48000
				027	6	St. Matthews					67944
				028	6	Shively					70284
				999	9	Balance of county					99999
	057	163	1			Jessamine		113	5	4280	
				022	6	Nicholasville					56136
				999	9	Balance of county					99999
	058	000	2	999	9	Johnson		115	6	0000	
	059	057	1			Kenton		117	3	1640	
				003	5	Covington					17848
				006	6	Erlanger					25300
				014	6	Independence					39142
				999	9	Balance of county					99999
	060	000	2	999	9	Knott		119	6	0000	
	061	000	2	999	9	Knox		121	5	0000	
	062	000	2	999	9	Larue		123	6	0000	
	063	000	2	999	9	Laurel		125	5	0000	

Vital Statistics Geographic Code Outline for the United States 107  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
18						Kentucky	21				
	064	000	2	999	9	Lawrence		127	6	0000	
	065	000	2	999	9	Lee		129	6	0000	
	066	000	2	999	9	Leslie		131	6	0000	
	067	000	2	999	9	Letcher		133	5	0000	
	068	000	2	999	9	Lewis		135	6	0000	
	069	000	2	999	9	Lincoln		137	6	0000	
	070	000	2	999	9	Livingston		139	6	0000	
	071	000	2	999	9	Logan		141	6	0000	
	072	000	2	999	9	Lyon		143	6	0000	
	073	000	2			McCracken		145	4	0000	
				024	5	Paducah					58836
				999	9	Balance of county					99999
	074	000	2	999	9	McCreary		147	6	0000	
	075	000	2	999	9	McLean		149	6	0000	
	076	163	1			Madison		151	4	4280	
				026	6	Richmond					65226
				999	9	Balance of county					99999
	077	000	2	999	9	Magoffin		153	6	0000	
	078	000	2	999	9	Marion		155	6	0000	
	079	000	2	999	9	Marshall		157	5	0000	
	080	000	2	999	9	Martin		159	6	0000	
	081	000	2	999	9	Mason		161	6	0000	
	082	000	2	999	9	Meade		163	6	0000	
	083	000	2	999	9	Menifee		165	6	0000	
	084	000	2	999	9	Mercer		167	6	0000	
	085	000	2	999	9	Metcalfe		169	6	0000	
	086	000	2	999	9	Monroe		171	6	0000	
	087	000	2	999	9	Montgomery		173	6	0000	
	088	000	2	999	9	Morgan		175	6	0000	
	089	000	2	999	9	Muhlenberg		177	5	0000	
	090	000	2	999	9	Nelson		179	5	0000	

Vital Statistics Geographic Code Outline for the United States 108  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
18						Kentucky	21				
	091	000	2	999	9	Nicholas		181	6	0000	
	092	000	2	999	9	Ohio		183	6	0000	
	093	169	1	999	9	Oldham		185	5	4520	
	094	000	2	999	9	Owen		187	6	0000	
	095	000	2	999	9	Owsley		189	6	0000	
	096	057	1	999	9	Pendleton		191	6	1640	
	097	000	2	999	9	Perry		193	5	0000	
	098	000	2	999	9	Pike		195	4	0000	
	099	000	2	999	9	Powell		197	6	0000	
	100	000	2			Pulaski		199	5	0000	
				029	6	Somerset					71688
				999	9	Balance of county					99999
	101	000	2	999	9	Robertson		201	6	0000	

Vital Statistics Geographic Code Outline for the United States 109  
 Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
18						Kentucky	21				
	102	000	2	999	9	Rockcastle		203	6	0000	
	103	000	2	999	9	Rowan		205	6	0000	
	104	000	2	999	9	Russell		207	6	0000	
	105	163	1			Scott		209	6	4280	
				010	6	Georgetown					30700
				999	9	Balance of county					99999
	106	000	2	999	9	Shelby		211	6	0000	
	107	000	2	999	9	Simpson		213	6	0000	
	108	000	2	999	9	Spencer		215	6	0000	
	109	000	2	999	9	Taylor		217	6	0000	
	110	000	2	999	9	Todd		219	6	0000	
	111	000	2	999	9	Trigg		221	6	0000	
	112	000	2	999	9	Trimble		223	6	0000	
	113	000	2	999	9	Union		225	6	0000	
	114	000	2			Warren		227	4	0000	
				002	5	Bowling Green					08902
				999	9	Balance of county					99999
	115	000	2	999	9	Washington		229	6	0000	
	116	000	2	999	9	Wayne		231	6	0000	
	117	000	2	999	9	Webster		233	6	0000	
	118	000	2	999	9	Whitley		235	5	0000	
	119	000	2	999	9	Wolfe		237	6	0000	
	120	163	1	999	9	Woodford		239	6	4280	



Vital Statistics Geographic Code Outline for the United States 110  
 Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
19						Louisiana	22				
	001	151	1			Acadia	001	4	3880		
				008	6	Crowley					18650
				009	6	Eunice, part					24565
				999	9	Balance of parish					99999
	002	000	2	999	9	Allen	003	6	0000		
	003	024	1	999	9	Ascension	005	4	0760		
	004	000	2	999	9	Assumption	007	6	0000		
	005	000	2	999	9	Avoyelles	009	5	0000		
	006	000	2	999	9	Beauregard	011	5	0000		
	007	000	2	999	9	Bienville	013	6	0000		
	008	264	1			Bossier	015	4	7680		
				007	4	Bossier City					08920
				026	3	Shreveport, part					70000
				999	9	Balance of parish					99999
	009	264	1			Caddo	017	3	7680		
				026	3	Shreveport, part					70000
				999	9	Balance of parish					99999
	010	153	1			Calcasieu	019	3	3960		
				016	4	Lake Charles					41155
				028	6	Sulphur					73640
				999	9	Balance of parish					99999
	011	000	2	999	9	Caldwell	021	6	0000		
	012	000	2	999	9	Cameron	023	6	0000		
	013	000	2	999	9	Catahoula	025	6	0000		
	014	000	2	999	9	Claiborne	027	6	0000		
	015	000	2	999	9	Concordia	029	6	0000		
	016	000	2	999	9	De Soto	031	5	0000		
	017	024	1			East Baton Rouge	033	2	0760		
				003	6	Baker					03985
				005	3	Baton Rouge					05000

Vital Statistics Geographic Code Outline for the United States 111  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
19						Louisiana	22				
				999	9	Balance of parish					99999
018	000	2	999	9		East Carroll	035	6		0000	
019	000	2	999	9		East Feliciana	037	6		0000	
020	000	2	999	9		Evangeline	039	5		0000	
021	000	2	999	9		Franklin	041	6		0000	
022	000	2	999	9		Grant	043	6		0000	
023	000	2				Iberia	045	4		0000	
				021	5	New Iberia					54035
				999	9	Balance of parish					99999
024	000	2	999	9		Iberville	047	5		0000	
025	000	2	999	9		Jackson	049	6		0000	
026	196	1				Jefferson	051	2		5560	
				010	6	Gretna					31915
				014	4	Kenner					39475
				031	6	Westwego					81165
				999	9	Balance of parish					99999
027	000	2				Jefferson Davis	053	5		0000	
				013	6	Jennings					38355
				999	9	Balance of parish					99999
028	151	1				Lafayette	055	3		3880	
				015	4	Lafayette					40735
				999	9	Balance of parish					99999
029	126	1				Lafourche	057	4		3350	
				029	6	Thibodaux					75425
				999	9	Balance of parish					99999
030	000	2	999	9		La Salle	059	6		0000	
031	000	2				Lincoln	061	5		0000	
				025	6	Ruston					66655
				999	9	Balance of parish					99999
032	024	1	999	9		Livingston	063	4		0760	
033	000	2	999	9		Madison	065	6		0000	

Vital Statistics Geographic Code Outline for the United States 112  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
19						Louisiana	22				
	034	000	2			Morehouse	067	5	0000		
				004	6	Bastrop					04685
				999	9	Balance of parish					99999
	035	000	2			Natchitoches	069	5	0000		
				020	6	Natchitoches					53545
				999	9	Balance of parish					99999
	036	196	1	022	2	Orleans, coext. with New Orleans city	071	2	5560		55000
	037	187	1			Ouachita	073	3	5200		
				018	4	Monroe					51410
				030	6	West Monroe					80955
				999	9	Balance of parish					99999
	038	196	1	999	9	Plaquemines	075	5	5560		
	039	000	2	999	9	Pointe Coupee	077	6	0000		

Vital Statistics Geographic Code Outline for the United States 113  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
19						Louisiana	22				
	040	006	1			Rapides	079	3	0220		
				002	5	Alexandria					00975
				024	6	Pineville					60530
				999	9	Balance of parish					99999
	041	000	2	999	9	Red River	081	6	0000		
	042	000	2	999	9	Richland	083	6	0000		
	043	000	2	999	9	Sabine	085	6	0000		
	044	196	1	999	9	St. Bernard	087	4	5560		
	045	196	1	999	9	St. Charles	089	5	5560		
	046	000	2	999	9	St. Helena	091	6	0000		
	047	196	1	999	9	St. James	093	6	5560		
	048	196	1	999	9	St. John the Baptist	095	5	5560		
	049	151	1			St. Landry	097	4	3880		
				009	6	Eunice, part					24565
				023	6	Opelousas					58045
				999	9	Balance of parish					99999
	050	151	1	999	9	St. Martin	099	5	3880		
	051	000	2			St. Mary	101	4	0000		
				019	6	Morgan City					52040
				999	9	Balance of parish					99999
	052	196	1			St. Tammany	103	3	5560		
				027	6	Slidell					70805
				999	9	Balance of parish					99999
	053	000	2			Tangipahoa	105	4	0000		
				011	6	Hammond					32755
				999	9	Balance of parish					99999
	054	000	2	999	9	Tensas	107	6	0000		
	055	126	1			Terrebonne	109	4	3350		
				012	5	Houma					36255
				999	9	Balance of parish					99999

Vital Statistics Geographic Code Outline for the United States 114  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
19						Louisiana	22				
	056	000	2	999	9	Union		111	6	0000	
	057	000	2			Vermilion		113	4	0000	
				001	6	Abbeville					00100
				999	9	Balance of parish					99999
	058	000	2	999	9	Vernon		115	4	0000	
	059	000	2			Washington		117	5	0000	
				006	6	Bogalusa					08150
				999	9	Balance of parish					99999
	060	264	1			Webster		119	5	7680	
				017	6	Minden					50885
				999	9	Balance of parish					99999
	061	024	1	999	9	West Baton Rouge		121	6	0760	
	062	000	2	999	9	West Carroll		123	6	0000	
	063	000	2	999	9	West Feliciana		125	6	0000	
	064	000	2	999	9	Winn		127	6	0000	

Vital Statistics Geographic Code Outline for the United States 115  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
20						Maine	23				
	001	162	1			Androscoggin	001	3		4243	
				001	6	Auburn					02060
				005	5	Lewiston					38740
				999	9	Balance of county					99999
	002	000	2			Aroostook	003	4		0000	
				007	6	Presque Isle					60825
				999	9	Balance of county					99999
	003	219	1			Cumberland	005	3		6403	
				006	4	Portland					60545
				009	6	South Portland					71990
				011	6	Westbrook					82105
				999	9	Balance of county					99999
	004	000	2	999	9	Franklin	007	5		0000	
	005	000	2	999	9	Hancock	009	5		0000	
	006	000	2			Kennebec	011	3		0000	
				002	6	Augusta					02100
				010	6	Waterville					80740
				999	9	Balance of county					99999
	007	000	2	999	9	Knox	013	5		0000	
	008	000	2	999	9	Lincoln	015	5		0000	
	009	000	2	999	9	Oxford	017	4		0000	
	010	022	1			Penobscot	019	3		0733	
				003	5	Bangor					02795
				999	9	Balance of county					99999
	011	000	2	999	9	Piscataquis	021	6		0000	
	012	000	2	999	9	Sagadahoc	023	5		0000	
	013	000	2	999	9	Somerset	025	5		0000	
	014	000	2	999	9	Waldo	027	5		0000	
	015	000	2	999	9	Washington	029	5		0000	
	016	000	2			York	031	3		0000	

Vital Statistics Geographic Code Outline for the United States 116  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
20						Maine	23				
			004	6		Biddeford					04860
			008	6		Saco					64675
			999	9		Balance of county					99999

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
21						Maryland	24				
	001	066	1			Allegheny	001	4		1900	
				007	6	Cumberland					21325
				999	9	Balance of county					99999
	002	021	1			Anne Arundel	003	2		0720	
				002	5	Annapolis					01600
				999	9	Balance of county					99999
	003	021	1	999	9	Baltimore	005	1		0720	
	004	021	1	003	1	Baltimore city	510	1		0720	04000
	005	296	1	999	9	Calvert	009	4		8840	
	006	000	2	999	9	Caroline	011	5		0000	
	007	021	1			Carroll	013	3		0720	
				018	6	Westminster					83100
				999	9	Balance of county					99999
	008	304	1	999	9	Cecil	015	4		9160	
	009	296	1	999	9	Charles	017	3		8840	
	010	000	2			Dorchester	019	5		0000	
				005	6	Cambridge					12400
				999	9	Balance of county					99999
	011	296	1			Frederick	021	3		8840	
				008	5	Frederick					30325
				999	9	Balance of county					99999
	012	000	2	999	9	Garrett	023	5		0000	
	013	021	1			Harford	025	3		0720	
				001	6	Aberdeen					00125
				999	9	Balance of county					99999
	014	021	1	999	9	Howard	027	3		0720	
	015	000	2	999	9	Kent	029	6		0000	
	016	296	1			Montgomery	031	1		8840	
				009	5	Gaithersburg					31175
				015	5	Rockville					67675



Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
21						Maryland	24				
				017	6	Takoma Park, part					76650
				999	9	Balance of county					99999
017	296	1				Prince George's	033	1	8840		
				004	5	Bowie					08775
				006	6	College Park					18750
				010	6	Greenbelt					34775
				012	6	Hyattsville					41250
				013	6	Laurel					45900
				014	6	New Carrollton					55400
				017	6	Takoma Park, part					76650
				999	9	Balance of county					99999
018	021	1	999	9		Queen Anne's	035	5	0720		
019	000	2	999	9		St. Mary's	037	4	0000		
020	000	2	999	9		Somerset	039	6	0000		
021	000	2	999	9		Talbot	041	5	0000		
022	119	1				Washington	043	3	3180		
				011	5	Hagerstown					36075
				999	9	Balance of county					99999
023	000	2				Wicomico	045	4	0000		
				016	6	Salisbury					69925
				999	9	Balance of county					99999
024	000	2	999	9		Worcester	047	5	0000		

Vital Statistics Geographic Code Outline for the United States 119  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
22						Massachusetts	25				
	001	023	1			Barnstable		001	3	0743	
				008	5	Barnstable town					03635
				031	5	Falmouth town					23105
				999	9	Balance of county					99999
	002	218	1			Berkshire		003	3	6323	
				062	6	North Adams					46225
				067	5	Pittsfield					53960
				999	9	Balance of county					99999
	003	037	1			Bristol		005	1	1123	
				007	5	Attleboro					02690
				023	5	Dartmouth town					16425
				029	6	Fairhaven town					22130
				030	4	Fall River					23000
				059	4	New Bedford					45000
				064	5	North Attleborough town					46575
				077	6	Somerset town					62430
				083	5	Taunton					69170
				999	9	Balance of county					99999
	004	000	2	999	9	Dukes		007	6	0000	
	005	037	1			Essex		009	1	1123	
				003	6	Amesbury town					01185
				005	5	Andover town					01465
				010	5	Beverly					05595
				022	6	Danvers town					16250
				035	5	Gloucester					26150
				036	4	Haverhill					29405
				041	4	Lawrence					34550
				046	4	Lynn					37490
				047	6	Lynnfield town					37560
				049	6	Marblehead town					38400

Vital Statistics Geographic Code Outline for the United States 120  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
22						Massachusetts	25				
				054	5	Methuen town					40675
				060	6	Newburyport					45245
				066	5	Peabody					52490
				074	5	Salem					59105
				075	5	Saugus town					60015
				082	6	Swampscott town					68645
				999	9	Balance of county					99999
006	000	2		999	9	Franklin	011	4		0000	
007	271	1				Hampden	013	2		8003	
				002	5	Agawam town					00800
				020	4	Chicopee					13660
				027	6	East Longmeadow town					19645
				038	5	Holyoke					30840
				044	6	Longmeadow town					36300
				079	3	Springfield					67000
				090	5	Westfield					76030
				091	5	West Springfield town					77850
				999	9	Balance of county					99999
008	271	1				Hampshire	015	3		8003	
				004	5	Amherst town					01325
				026	6	Easthampton town					19330
				063	5	Northampton					46330
				999	9	Balance of county					99999
009	037	1				Middlesex	017	0		1123	
				006	5	Arlington town					01605
				009	6	Belmont town					05070
				011	5	Billerica town					05805
				016	6	Burlington town					09840
				017	4	Cambridge					11000
				018	5	Chelmsford town					13135
				025	5	Dracut town					17475

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St Cnty P/MSA M/NM City P/S Area Names

St Cnty P/S P/MSA Place

22

Massachusetts

25

028	5			Everett			21990
033	4			Framingham town			24925
039	6			Hudson town			31540
043	5			Lexington town			35215
045	3			Lowell			37000
048	4			Malden			37875
050	5			Marlborough			38715
051	6			Maynard town			39625
052	4			Medford			39835
053	5			Melrose			40115
057	5			Natick town			43895
061	4			Newton			45560
071	6			Reading town			56130

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
22						Massachusetts	25				
	009					Middlesex, con.	017	0		1123	
				078	4	Somerville					62535
				080	6	Stoneham town					67665
				084	5	Tewksbury town					69415
				085	6	Wakefield town					72215
				086	4	Waltham					72600
				087	5	Watertown town					73405
				095	6	Wilmington town					80230
				096	6	Winchester town					80510
				098	5	Woburn					81035
				999	9	Balance of county					99999
	010	000	2	999	9	Nantucket	019	6		0000	
	011	037	1			Norfolk	021	1		1123	
				013	5	Braintree town					07665
				015	4	Brookline town					09175
				024	6	Dedham town					16495
				037	6	Holbrook town					30455
				056	5	Milton town					41690
				058	5	Needham town					44105
				065	5	Norwood town					50250
				069	4	Quincy					55745
				070	5	Randolph town					55955
				081	5	Stoughton town					67945
				089	5	Wellesley town					74175
				092	6	Westwood town					78690
				093	4	Weymouth town					78865
				999	9	Balance of county					99999
	012	037	1			Plymouth	023	2		1123	
				001	6	Abington town					00170
				014	4	Brockton					09000

Vital Statistics Geographic Code Outline for the United States 123  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
22						Massachusetts	25				
				040	6	Hull town					31645
				068	5	Plymouth town					54310
				073	6	Rockland town					57775
				094	6	Whitman town					79530
				999	9	Balance of county					99999
013	037	1				Suffolk	025	1	1123		
				012	1	Boston					07000
				019	5	Chelsea					13205
				072	5	Revere					56585
				097	6	Winthrop town					80930
014	037	1				Worcester	027	1	1123		
				021	6	Clinton town					14395
				032	5	Fitchburg					23875
				034	6	Gardner					25485
				042	5	Leominster					35075
				055	5	Milford town					41165
				076	6	Shrewsbury town					61800
				088	6	Webster town					73895
				099	3	Worcester					82000
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
23						Michigan	26				
	001	000	2	999	9	Alcona		001	6	0000	
	002	000	2	999	9	Alger		003	6	0000	
	003	112	1			Allegan		005	4	3000	
				051	5	Holland, part					38640
				999	9	Balance of county					99999
	004	000	2			Alpena		007	5	0000	
				004	6	Alpena					01740
				999	9	Balance of county					99999
	005	000	2	999	9	Antrim		009	6	0000	
	006	000	2	999	9	Arenac		011	6	0000	
	007	000	2	999	9	Baraga		013	6	0000	
	008	000	2	999	9	Barry		015	4	0000	
	009	240	1			Bay		017	3	6960	
				007	6	Bangor township					05120
				009	5	Bay City					06020
				064	5	Midland, part					53780
				999	9	Balance of county					99999
	010	000	2	999	9	Benzie		019	6	0000	
	011	027	1			Berrien		021	3	0870	
				010	6	Benton Harbor					07520
				071	6	Niles, part					57760
				999	9	Balance of county					99999
	012	000	2	999	9	Branch		023	5	0000	
	013	143	1			Calhoun		025	3	3720	
				002	6	Albion					00980
				008	4	Battle Creek					05920
				999	9	Balance of county					99999
	014	000	2			Cass		027	5	0000	
				071	6	Niles, part					57760
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
23						Michigan	26				
	015	000	2	999	9	Charlevoix		029	6	0000	
	016	000	2	999	9	Cheboygan		031	6	0000	
	017	000	2			Chippewa		033	5	0000	
				091	6	Sault Ste. Marie					71740
				999	9	Balance of county					99999
	018	000	2	999	9	Clare		035	6	0000	
	019	156	1	999	9	Clinton		037	4	4040	
	020	000	2	999	9	Crawford		039	6	0000	
	021	000	2			Delta		041	5	0000	
				030	6	Escanaba					26360
				999	9	Balance of county					99999
	022	000	2	999	9	Dickinson		043	5	0000	
	023	156	1			Eaton		045	4	4040	
				024	5	Delta township					21520
				057	3	Lansing, part					46000
				999	9	Balance of county					99999
	024	000	2	999	9	Emmet		047	5	0000	
	025	093	1			Genesee		049	2	2640	
				016	5	Burton					12060
				034	3	Flint					29000
				035	5	Flint township					29020
				039	5	Grand Blanc township					33300
				067	5	Mount Morris township					55980
				999	9	Balance of county					99999
	026	000	2	999	9	Gladwin		051	6	0000	
	027	000	2	999	9	Gogebic		053	6	0000	
	028	000	2			Grand Traverse		055	4	0000	
				098	6	Traverse City, part					80340
				999	9	Balance of county					99999
	029	000	2	999	9	Gratiot		057	5	0000	
	030	000	2	999	9	Hillsdale		059	5	0000	



Vital Statistics Geographic Code Outline for the United States 126  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
23						Michigan	26				
031	000	2	999	9		Houghton	061	5	0000		
032	000	2	999	9		Huron	063	5	0000		
033	156	1				Ingham	065	2	4040		
				028	4	East Lansing					24120
				057	3	Lansing, part					46000
				063	5	Meridian township					53140
				999	9	Balance of county					99999
034	000	2	999	9		Ionia	067	4	0000		
035	000	2	999	9		Iosco	069	5	0000		
036	000	2	999	9		Iron	071	6	0000		
037	000	2				Isabella	073	4	0000		
				068	6	Mount Pleasant					56020
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 127  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
23						Michigan	26				
	038	132	1			Jackson		075	3	3520	
				053	5	Jackson					41420
				999	9	Balance of county					99999
	039	143	1			Kalamazoo		077	3	3720	
				054	4	Kalamazoo					42160
				055	6	Kalamazoo township					42180
				079	5	Portage					65560
				999	9	Balance of county					99999
	040	000	2	999	9	Kalkaska		079	6	0000	
	041	112	1			Kent		081	1	3000	
				027	6	East Grand Rapids					23980
				041	3	Grand Rapids					34000
				042	6	Grandville					34160
				056	5	Kentwood					42820
				101	6	Walker					82960
				109	4	Wyoming					88940
				999	9	Balance of county					99999
	042	000	2	999	9	Keweenaw		083	6	0000	
	043	000	2	999	9	Lake		085	6	0000	
	044	076	1	999	9	Lapeer		087	4	2160	
	045	000	2			Leelanau		089	6	0000	
				098	6	Traverse City, part					80340
				999	9	Balance of county					99999
	046	011	1			Lenawee		091	4	0440	
				001	6	Adrian					00440
				999	9	Balance of county					99999
	047	011	1	999	9	Livingston		093	3	0440	
	048	000	2	999	9	Luce		095	6	0000	
	049	000	2	999	9	Mackinac		097	6	0000	
	050	076	1			Macomb		099	1	2160	

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
23						Michigan	26				
				019	5	Chesterfield township					15340
				021	4	Clinton township					16520
				026	5	East Detroit					23920
				036	6	Fraser					30420
				048	6	Harrison township					36820
				066	6	Mount Clemens					55820
				086	4	Roseville					69800
				090	4	St. Clair Shores					70760
				092	5	Shelby township					72820
				095	3	Sterling Heights					76460
				102	3	Warren					84000
				999	9	Balance of county					99999
051	000	2	999	9	Manistee		101	6	0000		
052	000	2			Marquette		103	4	0000		
				061	6	Marquette					51900
				999	9	Balance of county					99999
053	000	2	999	9	Mason		105	5	0000		
054	000	2			Mecosta		107	5	0000		
				013	6	Big Rapids					08300
				999	9	Balance of county					99999
055	000	2	999	9	Menominee		109	6	0000		
056	240	1			Midland		111	4	6960		
				064	5	Midland, part					53780
				999	9	Balance of county					99999
057	000	2	999	9	Missaukee		113	6	0000		
058	076	1			Monroe		115	3	2160		
				065	6	Monroe					55020
				999	9	Balance of county					99999
059	000	2	999	9	Montcalm		117	4	0000		
060	000	2	999	9	Montmorency		119	6	0000		
061	112	1			Muskegon		121	3	3000		

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
23						Michigan	26				
				069	5	Muskegon					56320
				070	6	Muskegon Heights					56360
				073	6	Norton Shores					59140
				999	9	Balance of county					99999
062	000	2		999	9	Newaygo	123	5	0000		
063	076	1				Oakland	125	0	2160		
				006	6	Auburn Hills					04105
				011	6	Berkley					07660
				012	6	Beverly Hills village					08160
				014	6	Birmingham					08640
				015	5	Bloomfield township					09100
				020	6	Clawson					16160
				031	6	Farmington					27380

Vital Statistics Geographic Code Outline for the United States 130  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
23						Michigan	26				
	063					Oakland, con.	125	0		2160	
				032	4	Farmington Hills					27440
				033	5	Ferndale					27880
				049	6	Hazel Park					37420
				060	5	Madison Heights					50560
				074	5	Novi					59440
				075	5	Oak Park					59920
				078	4	Pontiac					65440
				084	4	Rochester Hills					69035
				087	4	Royal Oak					70040
				093	4	Southfield					74900
				100	4	Troy					80700
				103	4	Waterford township					84240
				105	4	West Bloomfield township					85490
				999	9	Balance of county					99999
	064	000	2	999	9	Oceana	127	6		0000	
	065	000	2	999	9	Ogemaw	129	6		0000	
	066	000	2	999	9	Ontonagon	131	6		0000	
	067	000	2	999	9	Osceola	133	6		0000	
	068	000	2	999	9	Oscoda	135	6		0000	
	069	000	2	999	9	Otsego	137	6		0000	
	070	112	1			Ottawa	139	3		3000	
				038	5	Georgetown township					31880
				040	6	Grand Haven					33340
				051	5	Holland, part					38640
				999	9	Balance of county					99999
	071	000	2	999	9	Presque Isle	141	6		0000	
	072	000	2	999	9	Roscommon	143	6		0000	
	073	240	1			Saginaw	145	3		6960	
				088	4	Saginaw					70520

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
23						Michigan	26				
				089	5	Saginaw township					70540
				999	9	Balance of county					99999
074	076	1				St. Clair	147	3	2160		
				080	5	Port Huron					65820
				999	9	Balance of county					99999
075	000	2				St. Joseph	149	4	0000		
				096	6	Sturgis					76960
				999	9	Balance of county					99999
076	000	2	999	9		Sanilac	151	5	0000		
077	000	2	999	9		Schoolcraft	153	6	0000		
078	000	2				Shiawassee	155	4	0000		
				076	6	Owosso					61940
				999	9	Balance of county					99999
079	000	2	999	9		Tuscola	157	4	0000		
080	143	1	999	9		Van Buren	159	4	3720		
081	011	1				Washtenaw	161	2	0440		
				005	3	Ann Arbor					03000
				110	6	Ypsilanti					89140
				111	5	Ypsilanti township					89160
				999	9	Balance of county					99999
082	076	1				Wayne	163	0	2160		
				003	5	Allen Park					01380
				018	4	Canton township					13120
				022	4	Dearborn					21000
				023	4	Dearborn Heights					21020
				025	0	Detroit					22000
				029	6	Ecorse					24740
				037	5	Garden City					31420
				043	6	Grosse Pointe Farms					35520
				044	6	Grosse Pointe Park					35540

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
23						Michigan	26				
				045	6	Grosse Pointe Woods					35580
				046	6	Hamtramck					36280
				047	6	Harper Woods					36700
				050	6	Highland Park					38180
				052	5	Inkster					40680
				058	5	Lincoln Park					47800
				059	3	Livonia					49000
				062	6	Melvindale					52940
				072	6	Northville township					59000
				077	6	Plymouth township					65088
				081	4	Redford township					67660
				082	6	River Rouge					68760
				083	6	Riverview					68880
				085	6	Romulus					69420

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
23						Michigan	26				
	082					Wayne, con.	163	0		2160	
				094	5	Southgate					74960
				097	4	Taylor					79000
				099	6	Trenton					80420
				104	6	Wayne					84940
				106	4	Westland					86000
				107	6	Woodhaven					88380
				108	5	Wyandotte					88900
				999	9	Balance of county					99999
	083	000	2			Wexford	165	5		0000	
				017	6	Cadillac					12320
				999	9	Balance of county					99999



Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
24						Minnesota	27				
	001	000	2	999	9	Aitkin		001	6	0000	
	002	183	1			Anoka		003	3	5120	
				002	6	Andover					01486
				003	6	Anoka					01720
				007	5	Blaine, part					06382
				017	6	Columbia Heights					12700
				018	4	Coon Rapids					13114
				029	5	Fridley					22814
				055	6	Ramsey					53026
				999	9	Balance of county					99999
	003	000	2	999	9	Becker		005	5	0000	
	004	000	2			Beltrami		007	5	0000	
				006	6	Bemidji					05068
				999	9	Balance of county					99999
	005	241	1			Benton		009	5	6980	
				061	5	St. Cloud, part					56896
				999	9	Balance of county					99999
	006	000	2	999	9	Big Stone		011	6	0000	
	007	000	2			Blue Earth		013	4	0000	
				037	5	Mankato, part					39878
				049	6	North Mankato, part					47068
				999	9	Balance of county					99999
	008	000	2			Brown		015	5	0000	
				047	6	New Ulm					46042
				999	9	Balance of county					99999
	009	000	2			Carlton		017	5	0000	
				016	6	Cloquet					12160
				999	9	Balance of county					99999
	010	183	1			Carver		019	5	5120	
				014	6	Chanhassen, part					10918

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
24						Minnesota	27				
				015	6	Chaska					10972
				999	9	Balance of county					99999
011	000	2	999	9		Cass	021	6		0000	
012	000	2	999	9		Chippewa	023	6		0000	
013	183	1	999	9		Chisago	025	5		5120	
014	090	1				Clay	027	4		2520	
				043	5	Moorhead					43864
				999	9	Balance of county					99999
015	000	2	999	9		Clearwater	029	6		0000	
016	000	2	999	9		Cook	031	6		0000	
017	000	2	999	9		Cottonwood	033	6		0000	
018	000	2				Crow Wing	035	5		0000	
				009	6	Brainerd					07300
				999	9	Balance of county					99999
019	183	1				Dakota	037	2		5120	
				004	5	Apple Valley					01900
				012	4	Burnsville					08794
				022	5	Eagan					17288
				031	6	Hastings, part					27530
				035	6	Inver Grove Heights					31076
				036	6	Lakeville					35180
				048	6	Northfield, part					46924
				066	6	South St. Paul					61510
				069	6	West St. Paul					69718
				999	9	Balance of county					99999
020	000	2	999	9		Dodge	039	6		0000	
021	000	2	999	9		Douglas	041	5		0000	
022	000	2	999	9		Faribault	043	6		0000	
023	000	2	999	9		Fillmore	045	6		0000	
024	000	2				Freeborn	047	5		0000	
				001	6	Albert Lea					00694

Vital Statistics Geographic Code Outline for the United States 136  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
24						Minnesota	27				
				999	9	Balance of county					99999
025	000	2				Goodhue	049	5	0000		
				056	6	Red Wing					53620
				999	9	Balance of county					99999
026	000	2		999	9	Grant	051	6	0000		
027	183	1				Hennepin	053	0	5120		
				008	4	Bloomington					06616
				010	5	Brooklyn Center					07948
				011	4	Brooklyn Park					07966
				013	6	Champlin					10846
				014	6	Chanhassen, part					10918
				020	6	Crystal					14158
				023	5	Eden Prairie					18116

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
24						Minnesota	27				
	027					Hennepin, con.	053	0		5120	
				024	5	Edina					18188
				030	6	Golden Valley					24308
				033	6	Hopkins					30140
				038	5	Maple Grove					40166
				041	2	Minneapolis					43000
				042	5	Minnetonka					43252
				046	6	New Hope					45628
				053	4	Plymouth					51730
				057	5	Richfield					54214
				058	6	Robbinsdale					54808
				062	5	St. Louis Park					57220
				999	9	Balance of county					99999
	028	150	1	999	9	Houston	055	6		3870	
	029	000	2	999	9	Hubbard	057	6		0000	
	030	183	1	999	9	Isanti	059	5		5120	
	031	000	2	999	9	Itasca	061	5		0000	
	032	000	2	999	9	Jackson	063	6		0000	
	033	000	2	999	9	Kanabec	065	6		0000	
	034	000	2			Kandiyohi	067	5		0000	
				071	6	Willmar					70420
				999	9	Balance of county					99999
	035	000	2	999	9	Kittson	069	6		0000	
	036	000	2	999	9	Koochiching	071	6		0000	
	037	000	2	999	9	Lac qui Parle	073	6		0000	
	038	000	2	999	9	Lake	075	6		0000	
	039	000	2	999	9	Lake of the Woods	077	6		0000	
	040	000	2	999	9	Le Sueur	079	6		0000	
	041	000	2	999	9	Lincoln	081	6		0000	
	042	000	2			Lyon	083	6		0000	

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
24						Minnesota	27				
				040	6	Marshall					40688
				999	9	Balance of county					99999
043	000	2				McLeod	085	5	0000		
				034	6	Hutchinson					30644
				999	9	Balance of county					99999
044	000	2	999	9		Mahnomen	087	6	0000		
045	000	2	999	9		Marshall	089	6	0000		
046	000	2				Martin	091	6	0000		
				026	6	Fairmont					20330
				999	9	Balance of county					99999
047	000	2	999	9		Meeker	093	6	0000		
048	000	2	999	9		Mille Lacs	095	6	0000		
049	000	2	999	9		Morrison	097	5	0000		
050	000	2				Mower	099	5	0000		
				005	6	Austin					02908
				999	9	Balance of county					99999
051	000	2	999	9		Murray	101	6	0000		
052	000	2				Nicollet	103	5	0000		
				037	5	Mankato, part					39878
				049	6	North Mankato, part					47068
				999	9	Balance of county					99999
053	000	2	999	9		Nobles	105	6	0000		
054	000	2	999	9		Norman	107	6	0000		
055	235	1				Olmsted	109	3	6820		
				059	4	Rochester					54880
				999	9	Balance of county					99999
056	000	2				Otter Tail	111	4	0000		
				028	6	Fergus Falls					20906
				999	9	Balance of county					99999
057	000	2	999	9		Pennington	113	6	0000		
058	000	2	999	9		Pine	115	6	0000		

Vital Statistics Geographic Code Outline for the United States 139  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
24						Minnesota	27				
	059	000	2	999	9	Pipestone		117	6	0000	
	060	111	1	999	9	Polk		119	5	2985	
	061	000	2	999	9	Pope		121	6	0000	
	062	183	1			Ramsey		123	2	5120	
				007	5	Blaine, part					06382
				039	5	Maplewood					40382
				044	6	Mounds View					44530
				045	6	New Brighton					45430
				050	6	North St. Paul					47284
				060	5	Roseville					55852
				063	2	St. Paul					58000
				065	6	Shoreview					59998
				068	6	Vadnais Heights					66460

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
24						Minnesota	27				
	062					Ramsey, con.	123	2		5120	
				070	6	White Bear Lake, part					69970
				999	9	Balance of county					99999
	063	000	2	999	9	Red Lake	125	6		0000	
	064	000	2	999	9	Redwood	127	6		0000	
	065	000	2	999	9	Renville	129	6		0000	
	066	000	2			Rice	131	5		0000	
				027	6	Faribault					20546
				048	6	Northfield, part					46924
				999	9	Balance of county					99999
	067	000	2	999	9	Rock	133	6		0000	
	068	000	2	999	9	Roseau	135	6		0000	
	069	080	1			St. Louis	137	3		2240	
				021	4	Duluth					17000
				032	6	Hibbing					28790
				999	9	Balance of county					99999
	070	183	1			Scott	139	4		5120	
				054	6	Prior Lake					52594
				064	6	Shakopee					59350
				999	9	Balance of county					99999
	071	183	1			Sherburne	141	5		5120	
				025	6	Elk River					18674
				061	5	St. Cloud, part					56896
				999	9	Balance of county					99999
	072	000	2	999	9	Sibley	143	6		0000	
	073	241	1			Stearns	145	3		6980	
				061	5	St. Cloud, part					56896
				999	9	Balance of county					99999
	074	000	2			Steele	147	5		0000	
				052	6	Owatonna					49300

Vital Statistics Geographic Code Outline for the United States 141  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
24						Minnesota	27				
			999	9		Balance of county					99999
075	000	2	999	9		Stevens	149	6	0000		
076	000	2	999	9		Swift	151	6	0000		
077	000	2	999	9		Todd	153	6	0000		
078	000	2	999	9		Traverse	155	6	0000		
079	000	2	999	9		Wabasha	157	6	0000		
080	000	2	999	9		Wadena	159	6	0000		
081	000	2	999	9		Waseca	161	6	0000		
082	183	1				Washington	163	3	5120		
			019	6		Cottage Grove					13456
			031	6		Hastings, part					27530
			051	6		Oakdale					47680
			067	6		Stillwater					62824
			070	6		White Bear Lake, part					69970
			073	6		Woodbury					71428
			999	9		Balance of county					99999
083	000	2	999	9		Watonwan	165	6	0000		
084	000	2	999	9		Wilkin	167	6	0000		
085	000	2				Winona	169	5	0000		
			072	5		Winona					71032
			999	9		Balance of county					99999
086	183	1	999	9		Wright	171	4	5120		
087	000	2	999	9		Yellow Medicine	173	6	0000		



Vital Statistics Geographic Code Outline for the United States 142  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
25						Mississippi	28				
	001	000	2			Adams	001	5	0000		
				023	6	Natchez					50440
				999	9	Balance of county					99999
	002	000	2			Alcorn	003	5	0000		
				009	6	Corinth					15700
				999	9	Balance of county					99999
	003	000	2	999	9	Amite	005	6	0000		
	004	000	2	999	9	Attala	007	6	0000		
	005	000	2	999	9	Benton	009	6	0000		
	006	000	2			Bolivar	011	5	0000		
				006	6	Cleveland					14260
				999	9	Balance of county					99999
	007	000	2	999	9	Calhoun	013	6	0000		
	008	000	2	999	9	Carroll	015	6	0000		
	009	000	2	999	9	Chickasaw	017	6	0000		
	010	000	2	999	9	Choctaw	019	6	0000		
	011	000	2	999	9	Claiborne	021	6	0000		
	012	000	2	999	9	Clarke	023	6	0000		
	013	000	2	999	9	Clay	025	6	0000		
	014	000	2			Coahoma	027	5	0000		
				005	6	Clarksdale					13820
				999	9	Balance of county					99999
	015	000	2	999	9	Copiah	029	5	0000		
	016	000	2	999	9	Covington	031	6	0000		
	017	178	1			De Soto	033	4	4920		
				030	6	Southaven					69280
				999	9	Balance of county					99999
	018	123	1			Forrest	035	4	3285		
				015	5	Hattiesburg, part					31020
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 143  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
25						Mississippi	28				
	019	000	2	999	9	Franklin		037	6	0000	
	020	000	2	999	9	George		039	6	0000	
	021	000	2	999	9	Greene		041	6	0000	
	022	000	2			Grenada		043	6	0000	
				013	6	Grenada					29460
				999	9	Balance of county					99999
	023	030	1	999	9	Hancock		045	5	0920	
	024	030	1			Harrison		047	3	0920	
				001	5	Biloxi					06220
				014	5	Gulfport					29700
				019	6	Long Beach					41680
				999	9	Balance of county					99999
	025	133	1			Hinds		049	2	3560	
				007	6	Clinton					14420
				017	3	Jackson, part					36000
				999	9	Balance of county					99999
	026	000	2	999	9	Holmes		051	6	0000	
	027	000	2	999	9	Humphreys		053	6	0000	
	028	000	2	999	9	Issaquena		055	6	0000	
	029	000	2	999	9	Itawamba		057	6	0000	
	030	030	1			Jackson		059	3	0920	
				010	6	Gautier					26860
				022	6	Moss Point					49240
				024	6	Ocean Springs					53520
				026	5	Pascagoula					55360
				999	9	Balance of county					99999
	031	000	2	999	9	Jasper		061	6	0000	
	032	000	2	999	9	Jefferson		063	6	0000	
	033	000	2	999	9	Jefferson Davis		065	6	0000	
	034	000	2			Jones		067	4	0000	
				018	6	Laurel					39640

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
25						Mississippi	28				
				999	9	Balance of county					99999
035	000	2		999	9	Kemper	069	6	0000		
036	000	2				Lafayette	071	5	0000		
				025	6	Oxford					54840
				999	9	Balance of county					99999
037	123	1				Lamar	073	5	3285		
				015	5	Hattiesburg, part					31020
				999	9	Balance of county					99999
038	000	2				Lauderdale	075	4	0000		
				021	5	Meridian					46640
				999	9	Balance of county					99999
039	000	2		999	9	Lawrence	077	6	0000		
040	000	2		999	9	Leake	079	6	0000		

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
25						Mississippi	28				
	041	000	2			Lee	081	4	0000		
				032	5	Tupelo					74840
				999	9	Balance of county					99999
	042	000	2			Leflore	083	5	0000		
				012	6	Greenwood					29340
				999	9	Balance of county					99999
	043	000	2			Lincoln	085	5	0000		
				003	6	Brookhaven					08820
				999	9	Balance of county					99999
	044	000	2			Lowndes	087	4	0000		
				008	6	Columbus					15380
				999	9	Balance of county					99999
	045	133	1			Madison	089	4	3560		
				004	6	Canton					11100
				017	3	Jackson, part					36000
				029	6	Ridgeland					62520
				999	9	Balance of county					99999
	046	000	2	999	9	Marion	091	5	0000		
	047	000	2	999	9	Marshall	093	5	0000		
	048	000	2	999	9	Monroe	095	5	0000		
	049	000	2	999	9	Montgomery	097	6	0000		
	050	000	2	999	9	Neshoba	099	6	0000		
	051	000	2	999	9	Newton	101	6	0000		
	052	000	2	999	9	Noxubee	103	6	0000		
	053	000	2			Oktibbeha	105	5	0000		
				031	6	Starkville					70240
				999	9	Balance of county					99999
	054	000	2	999	9	Panola	107	5	0000		
	055	000	2			Pearl River	109	5	0000		
				028	6	Picayune					57160

Vital Statistics Geographic Code Outline for the United States 146  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
25						Mississippi	28				
				999	9	Balance of county					99999
056	000	2	999	9		Perry	111	6	0000		
057	000	2				Pike	113	5	0000		
				020	6	McComb					43280
				999	9	Balance of county					99999
058	000	2	999	9		Pontotoc	115	6	0000		
059	000	2	999	9		Prentiss	117	6	0000		
060	000	2	999	9		Quitman	119	6	0000		
061	133	1				Rankin	121	4	3560		
				002	6	Brandon					08300
				017	3	Jackson, part					36000
				027	6	Pearl					55760
				999	9	Balance of county					99999
062	000	2	999	9		Scott	123	6	0000		
063	000	2	999	9		Sharkey	125	6	0000		
064	000	2	999	9		Simpson	127	6	0000		
065	000	2	999	9		Smith	129	6	0000		
066	000	2	999	9		Stone	131	6	0000		
067	000	2				Sunflower	133	5	0000		
				016	6	Indianola					34740
				999	9	Balance of county					99999
068	000	2	999	9		Tallahatchie	135	6	0000		
069	000	2	999	9		Tate	137	6	0000		
070	000	2	999	9		Tippah	139	6	0000		
071	000	2	999	9		Tishomingo	141	6	0000		
072	000	2	999	9		Tunica	143	6	0000		
073	000	2	999	9		Union	145	6	0000		
074	000	2	999	9		Walthall	147	6	0000		
075	000	2				Warren	149	5	0000		
				033	6	Vicksburg					76720

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
25						Mississippi	28				
				999	9	Balance of county					99999
076	000	2				Washington	151	4	0000		
				011	5	Greenville					29180
				999	9	Balance of county					99999
077	000	2	999	9	Wayne		153	6	0000		
078	000	2	999	9	Webster		155	6	0000		
079	000	2	999	9	Wilkinson		157	6	0000		
080	000	2	999	9	Winston		159	6	0000		
081	000	2	999	9	Yalobusha		161	6	0000		
082	000	2			Yazoo		163	5	0000		
				034	6	Yazoo City					81520
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
26						Missouri	29				
	001	000	2			Adair	001	6	0000		
				030	6	Kirksville					39026
				999	9	Balance of county					99999
	002	242	1	999	9	Andrew	003	6	7000		
	003	000	2	999	9	Atchison	005	6	0000		
	004	000	2			Audrain	007	6	0000		
				037	6	Mexico					47648
				999	9	Balance of county					99999
	005	000	2	999	9	Barry	009	5	0000		
	006	000	2	999	9	Barton	011	6	0000		
	007	000	2	999	9	Bates	013	6	0000		
	008	000	2	999	9	Benton	015	6	0000		
	009	000	2	999	9	Bollinger	017	6	0000		
	010	061	1			Boone	019	3	1740		
				012	4	Columbia					15670
				999	9	Balance of county					99999
	011	242	1			Buchanan	021	4	7000		
				047	4	St. Joseph					64550
				999	9	Balance of county					99999
	012	000	2			Butler	023	5	0000		
				041	6	Poplar Bluff					59096
				999	9	Balance of county					99999
	013	000	2	999	9	Caldwell	025	6	0000		
	014	000	2			Callaway	027	5	0000		
				019	6	Fulton					26182
				025	5	Jefferson City, part					37000
				999	9	Balance of county					99999
	015	000	2	999	9	Camden	029	5	0000		
	016	000	2			Cape Girardeau	031	4	0000		
				008	5	Cape Girardeau					11242

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
26						Missouri					
				999	9	Balance of county					99999
	017	000	2	999	9	Carroll	033	6		0000	
	018	000	2	999	9	Carter	035	6		0000	
	019	145	1			Cass	037	4		3760	
				004	6	Belton					04384
				028	2	Kansas City, part					38000
				032	5	Lee's Summit, part					41348
				999	9	Balance of county					99999
	020	000	2	999	9	Cedar	039	6		0000	
	021	000	2	999	9	Chariton	041	6		0000	
	022	270	1	999	9	Christian	043	5		7920	
	023	000	2	999	9	Clark	045	6		0000	
	024	145	1			Clay	047	3		3760	
				015	6	Excelsior Springs, part					23086
				020	5	Gladstone					27190
				024	3	Independence, part					35000
				028	2	Kansas City, part					38000
				033	6	Liberty					42032
				999	9	Balance of county					99999
	025	145	1	999	9	Clinton	049	6		3760	
	026	000	2			Cole	051	4		0000	
				025	5	Jefferson City, part					37000
				999	9	Balance of county					99999
	027	000	2	999	9	Cooper	053	6		0000	
	028	000	2	999	9	Crawford	055	6		0000	
	029	000	2	999	9	Dade	057	6		0000	
	030	000	2	999	9	Dallas	059	6		0000	
	031	000	2	999	9	Daviess	061	6		0000	
	032	000	2	999	9	De Kalb	063	6		0000	
	033	000	2	999	9	Dent	065	6		0000	



Vital Statistics Geographic Code Outline for the United States 150  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
26						Missouri	29				
034	000	2	999	9		Douglas	067	6	0000		
035	000	2				Dunklin	069	5	0000		
			029	6		Kennett					38306
			999	9		Balance of county					99999
036	243	1				Franklin	071	4	7040		
			055	6		Washington					77416
			999	9		Balance of county					99999
037	000	2	999	9		Gasconade	073	6	0000		
038	000	2	999	9		Gentry	075	6	0000		
039	270	1				Greene	077	3	7920		
			052	3		Springfield					70000
			999	9		Balance of county					99999
040	000	2	999	9		Grundy	079	6	0000		
041	000	2	999	9		Harrison	081	6	0000		

Vital Statistics Geographic Code Outline for the United States 151  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
26						Missouri	29				
	042	000	2	999	9	Henry		083	6	0000	
	043	000	2	999	9	Hickory		085	6	0000	
	044	000	2	999	9	Holt		087	6	0000	
	045	000	2	999	9	Howard		089	6	0000	
	046	000	2	999	9	Howell		091	5	0000	
	047	000	2	999	9	Iron		093	6	0000	
	048	145	1			Jackson		095	1	3760	
				006	5	Blue Springs					06652
				021	6	Grandview					28324
				024	3	Independence, part					35000
				028	2	Kansas City, part					38000
				032	5	Lee's Summit, part					41348
				042	5	Raytown					60788
				999	9	Balance of county					99999
	049	142	1			Jasper		097	4	3710	
				009	6	Carthage					11656
				027	5	Joplin, part					37592
				999	9	Balance of county					99999
	050	243	1			Jefferson		099	3	7040	
				001	6	Arnold					01972
				999	9	Balance of county					99999
	051	000	2			Johnson		101	5	0000	
				054	6	Warrensburg					77092
				999	9	Balance of county					99999
	052	000	2	999	9	Knox		103	6	0000	
	053	000	2	999	9	Laclede		105	5	0000	
	054	145	1	999	9	Lafayette		107	5	3760	
	055	000	2	999	9	Lawrence		109	5	0000	
	056	000	2	999	9	Lewis		111	6	0000	
	057	243	1	999	9	Lincoln		113	5	7040	

Vital Statistics Geographic Code Outline for the United States 152  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
26						Missouri	29				
	058	000	2	999	9	Linn		115	6	0000	
	059	000	2	999	9	Livingston		117	6	0000	
	060	000	2	999	9	McDonald		119	6	0000	
	061	000	2	999	9	Macon		121	6	0000	
	062	000	2	999	9	Madison		123	6	0000	
	063	000	2	999	9	Maries		125	6	0000	
	064	000	2			Marion		127	5	0000	
				022	6	Hannibal, part					30214
				999	9	Balance of county					99999
	065	000	2	999	9	Mercer		129	6	0000	
	066	000	2	999	9	Miller		131	6	0000	
	067	000	2	999	9	Mississippi		133	6	0000	
	068	000	2	999	9	Moniteau		135	6	0000	
	069	000	2	999	9	Monroe		137	6	0000	
	070	000	2	999	9	Montgomery		139	6	0000	
	071	000	2	999	9	Morgan		141	6	0000	
	072	000	2			New Madrid		143	6	0000	
				051	6	Sikeston, part					67790
				999	9	Balance of county					99999
	073	142	1			Newton		145	5	3710	
				027	5	Joplin, part					37592
				999	9	Balance of county					99999
	074	000	2			Nodaway		147	6	0000	
				036	6	Maryville					46640
				999	9	Balance of county					99999
	075	000	2	999	9	Oregon		149	6	0000	
	076	000	2	999	9	Osage		151	6	0000	
	077	000	2	999	9	Ozark		153	6	0000	
	078	000	2	999	9	Pemiscot		155	6	0000	
	079	000	2	999	9	Perry		157	6	0000	
	080	000	2			Pettis		159	5	0000	

Vital Statistics Geographic Code Outline for the United States 153  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
26						Missouri	29				
				050	6	Sedalia					66440
				999	9	Balance of county					99999
081	000	2				Phelps	161	5	0000		
				044	6	Rolla					62912
				999	9	Balance of county					99999
082	000	2		999	9	Pike	163	6	0000		
083	145	1				Platte	165	4	3760		
				028	2	Kansas City, part					38000
				999	9	Balance of county					99999
084	000	2		999	9	Polk	167	6	0000		
085	000	2		999	9	Pulaski	169	5	0000		
086	000	2		999	9	Putnam	171	6	0000		
087	000	2				Ralls	173	6	0000		
				022	6	Hannibal, part					30214

Vital Statistics Geographic Code Outline for the United States 154  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
26						Missouri	29				
	087					Ralls, con.	173	6		0000	
				999	9	Balance of county					99999
	088	000	2			Randolph	175	6		0000	
				038	6	Moberly					49034
				999	9	Balance of county					99999
	089	145	1			Ray	177	6		3760	
				015	6	Excelsior Springs, part					23086
				999	9	Balance of county					99999
	090	000	2	999	9	Reynolds	179	6		0000	
	091	000	2	999	9	Ripley	181	6		0000	
	092	243	1			St. Charles	183	3		7040	
				039	6	O'Fallon					54074
				046	4	St. Charles					64082
				049	5	St. Peters					65126
				999	9	Balance of county					99999
	093	000	2	999	9	St. Clair	185	6		0000	
	094	000	2	999	9	Ste. Genevieve	186	6		0000	
	095	000	2			St. Francois	187	5		0000	
				016	6	Farmington					23752
				999	9	Balance of county					99999
	096	243	1			St. Louis	189	1		7040	
				002	6	Ballwin					03160
				003	6	Bellefontaine Neighbors					04222
				005	6	Berkeley					04906
				007	6	Bridgeton					08398
				010	5	Chesterfield					13600
				011	6	Clayton					14572
				013	6	Crestwood					17218
				014	6	Creve Coeur					17272
				017	6	Ferguson					23986

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
26						Missouri	29				
				018	4	Florissant					24778
				023	6	Hazelwood					31276
				026	6	Jennings					37178
				031	5	Kirkwood					39044
				035	5	Maryland Heights					46586
				040	6	Overland					55550
				043	6	Richmond Heights					61706
				045	6	St. Ann					63956
				053	5	University City					75220
				056	6	Webster Groves					78154
				999	9	Balance of county					99999
097	243	1		048	2	St. Louis city	510	2	7040		65000
098	000	2				Saline	195	6	0000		
				034	6	Marshall					46316
				999	9	Balance of county					99999
099	000	2		999	9	Schuyler	197	6	0000		
100	000	2		999	9	Scotland	199	6	0000		
101	000	2				Scott	201	5	0000		
				051	6	Sikeston, part					67790
				999	9	Balance of county					99999
102	000	2		999	9	Shannon	203	6	0000		
103	000	2		999	9	Shelby	205	6	0000		
104	000	2		999	9	Stoddard	207	5	0000		
105	000	2		999	9	Stone	209	6	0000		
106	000	2		999	9	Sullivan	211	6	0000		
107	000	2		999	9	Taney	213	5	0000		
108	000	2		999	9	Texas	215	6	0000		
109	000	2		999	9	Vernon	217	6	0000		
110	243	1		999	9	Warren	219	6	7040		
111	000	2		999	9	Washington	221	6	0000		
112	000	2		999	9	Wayne	223	6	0000		

Vital Statistics Geographic Code Outline for the United States 156  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St Cnty P/MSA M/NM City P/S Area Names

St Cnty P/S P/MSA Place

26 Missouri

29

113 270 1 999 9 Webster

225 6 7920

114 000 2 999 9 Worth

227 6 0000

115 000 2 999 9 Wright

229 6 0000

Vital Statistics Geographic Code Outline for the United States 157  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
27						Montana	30				
	001	000	2	999	9	Beaverhead	001	6	0000		
	002	000	2	999	9	Big Horn	003	6	0000		
	003	000	2	999	9	Blaine	005	6	0000		
	004	000	2	999	9	Broadwater	007	6	0000		
	005	000	2	999	9	Carbon	009	6	0000		
	006	000	2	999	9	Carter	011	6	0000		
	007	113	1			Cascade	013	4	3040		
				005	4	Great Falls					32800
				999	9	Balance of county					99999
	008	000	2	999	9	Chouteau	015	6	0000		
	009	000	2	999	9	Custer	017	6	0000		
	010	000	2	999	9	Daniels	019	6	0000		
	011	000	2	999	9	Dawson	021	6	0000		
	012	000	2	001	6	Deer Lodge, coext. with Anaconda-Deer Lo	023	6	0000		01675
	013	000	2	999	9	Fallon	025	6	0000		
	014	000	2	999	9	Fergus	027	6	0000		
	015	000	2			Flathead	029	4	0000		
				008	6	Kalispell					40075
				999	9	Balance of county					99999
	016	000	2			Gallatin	031	4	0000		
				003	6	Bozeman					08950
				999	9	Balance of county					99999
	017	000	2	999	9	Garfield	033	6	0000		
	018	000	2	999	9	Glacier	035	6	0000		
	019	000	2	999	9	Golden Valley	037	6	0000		
	020	000	2	999	9	Granite	039	6	0000		
	021	000	2			Hill	041	6	0000		
				006	6	Havre					35050
				999	9	Balance of county					99999
	022	000	2	999	9	Jefferson	043	6	0000		



Vital Statistics Geographic Code Outline for the United States 158  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
27						Montana	30				
	023	000	2	999	9	Judith Basin		045	6	0000	
	024	000	2	999	9	Lake		047	6	0000	
	025	000	2			Lewis and Clark		049	5	0000	
				007	6	Helena					35600
				999	9	Balance of county					99999
	026	000	2	999	9	Liberty		051	6	0000	
	027	000	2	999	9	Lincoln		053	6	0000	
	028	000	2	999	9	McCone		055	6	0000	
	029	000	2	999	9	Madison		057	6	0000	
	030	000	2	999	9	Meagher		059	6	0000	
	031	000	2	999	9	Mineral		061	6	0000	
	032	000	2			Missoula		063	4	0000	
				009	5	Missoula					50200
				999	9	Balance of county					99999
	033	000	2	999	9	Musselshell		065	6	0000	
	034	000	2	999	9	Park		067	6	0000	
	035	000	2	999	9	Petroleum		069	6	0000	
	036	000	2	999	9	Phillips		071	6	0000	
	037	000	2	999	9	Pondera		073	6	0000	
	038	000	2	999	9	Powder River		075	6	0000	
	039	000	2	999	9	Powell		077	6	0000	
	040	000	2	999	9	Prairie		079	6	0000	
	041	000	2	999	9	Ravalli		081	5	0000	
	042	000	2	999	9	Richland		083	6	0000	
	043	000	2	999	9	Roosevelt		085	6	0000	
	044	000	2	999	9	Rosebud		087	6	0000	
	045	000	2	999	9	Sanders		089	6	0000	
	046	000	2	999	9	Sheridan		091	6	0000	
	047	000	2			Silver Bow		093	5	0000	
				004	5	Butte-Silver Bow					11390
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 159  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
27						Montana	30				
048	000	2	999	9		Stillwater	095	6		0000	
049	000	2	999	9		Sweet Grass	097	6		0000	
050	000	2	999	9		Teton	099	6		0000	
051	000	2	999	9		Toole	101	6		0000	
052	000	2	999	9		Treasure	103	6		0000	
053	000	2	999	9		Valley	105	6		0000	
054	000	2	999	9		Wheatland	107	6		0000	
055	000	2	999	9		Wibaux	109	6		0000	
056	029	1				Yellowstone	111	3		0880	
				002	4	Billings					06550
				999	9	Balance of county					99999
057	000	2	999	9		Yellowstone National Park	113	6		0000	

Vital Statistics Geographic Code Outline for the United States 160  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
28						Nebraska	31				
	001	000	2			Adams	001	5	0000		
				006	6	Hastings					21415
				999	9	Balance of county					99999
	002	000	2	999	9	Antelope	003	6	0000		
	003	000	2	999	9	Arthur	005	6	0000		
	004	000	2	999	9	Banner	007	6	0000		
	005	000	2	999	9	Blaine	009	6	0000		
	006	000	2	999	9	Boone	011	6	0000		
	007	000	2	999	9	Box Butte	013	6	0000		
	008	000	2	999	9	Boyd	015	6	0000		
	009	000	2	999	9	Brown	017	6	0000		
	010	000	2			Buffalo	019	5	0000		
				007	6	Kearney					25055
				999	9	Balance of county					99999
	011	000	2	999	9	Burt	021	6	0000		
	012	000	2	999	9	Butler	023	6	0000		
	013	206	1	999	9	Cass	025	6	5920		
	014	000	2	999	9	Cedar	027	6	0000		
	015	000	2	999	9	Chase	029	6	0000		
	016	000	2	999	9	Cherry	031	6	0000		
	017	000	2	999	9	Cheyenne	033	6	0000		
	018	000	2	999	9	Clay	035	6	0000		
	019	000	2	999	9	Colfax	037	6	0000		
	020	000	2	999	9	Cuming	039	6	0000		
	021	000	2	999	9	Custer	041	6	0000		
	022	265	1	999	9	Dakota	043	6	7720		
	023	000	2	999	9	Dawes	045	6	0000		
	024	000	2	999	9	Dawson	047	6	0000		
	025	000	2	999	9	Deuel	049	6	0000		
	026	000	2	999	9	Dixon	051	6	0000		

Vital Statistics Geographic Code Outline for the United States 161  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
28						Nebraska	31				
	027	000	2			Dodge		053	5	0000	
				004	6	Fremont					17670
				999	9	Balance of county					99999
	028	206	1			Douglas		055	2	5920	
				011	2	Omaha					37000
				999	9	Balance of county					99999
	029	000	2	999	9	Dundy		057	6	0000	
	030	000	2	999	9	Fillmore		059	6	0000	
	031	000	2	999	9	Franklin		061	6	0000	
	032	000	2	999	9	Frontier		063	6	0000	
	033	000	2	999	9	Furnas		065	6	0000	
	034	000	2			Gage		067	6	0000	
				001	6	Beatrice					03390
				999	9	Balance of county					99999
	035	000	2	999	9	Garden		069	6	0000	
	036	000	2	999	9	Garfield		071	6	0000	
	037	000	2	999	9	Gosper		073	6	0000	
	038	000	2	999	9	Grant		075	6	0000	
	039	000	2	999	9	Greeley		077	6	0000	
	040	000	2			Hall		079	5	0000	
				005	5	Grand Island					19595
				999	9	Balance of county					99999
	041	000	2	999	9	Hamilton		081	6	0000	
	042	000	2	999	9	Harlan		083	6	0000	
	043	000	2	999	9	Hayes		085	6	0000	
	044	000	2	999	9	Hitchcock		087	6	0000	
	045	000	2	999	9	Holt		089	6	0000	
	046	000	2	999	9	Hooker		091	6	0000	
	047	000	2	999	9	Howard		093	6	0000	
	048	000	2	999	9	Jefferson		095	6	0000	

Vital Statistics Geographic Code Outline for the United States 162  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
28						Nebraska	31				
	049	000	2	999	9	Johnson		097	6	0000	
	050	000	2	999	9	Kearney		099	6	0000	
	051	000	2	999	9	Keith		101	6	0000	
	052	000	2	999	9	Keya Paha		103	6	0000	
	053	000	2	999	9	Kimball		105	6	0000	
	054	000	2	999	9	Knox		107	6	0000	
	055	165	1			Lancaster		109	3	4360	
				008	3	Lincoln					28000
				999	9	Balance of county					99999
	056	000	2			Lincoln		111	5	0000	
				010	6	North Platte					35000
				999	9	Balance of county					99999
	057	000	2	999	9	Logan		113	6	0000	
	058	000	2	999	9	Loup		115	6	0000	

Vital Statistics Geographic Code Outline for the United States 163  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
28						Nebraska	31				
	059	000	2	999	9	McPherson		117	6	0000	
	060	000	2			Madison		119	5	0000	
				009	6	Norfolk					34615
				999	9	Balance of county					99999
	061	000	2	999	9	Merrick		121	6	0000	
	062	000	2	999	9	Morrill		123	6	0000	
	063	000	2	999	9	Nance		125	6	0000	
	064	000	2	999	9	Nemaha		127	6	0000	
	065	000	2	999	9	Nuckolls		129	6	0000	
	066	000	2	999	9	Otoe		131	6	0000	
	067	000	2	999	9	Pawnee		133	6	0000	
	068	000	2	999	9	Perkins		135	6	0000	
	069	000	2	999	9	Phelps		137	6	0000	
	070	000	2	999	9	Pierce		139	6	0000	
	071	000	2			Platte		141	5	0000	
				003	6	Columbus					10110
				999	9	Balance of county					99999
	072	000	2	999	9	Polk		143	6	0000	
	073	000	2	999	9	Red Willow		145	6	0000	
	074	000	2	999	9	Richardson		147	6	0000	
	075	000	2	999	9	Rock		149	6	0000	
	076	000	2	999	9	Saline		151	6	0000	
	077	206	1			Sarpy		153	3	5920	
				002	5	Bellevue					03950
				012	6	Papillion					38295
				999	9	Balance of county					99999
	078	000	2	999	9	Saunders		155	6	0000	
	079	000	2			Scotts Bluff		157	5	0000	
				013	6	Scottsbluff					44245
				999	9	Balance of county					99999
	080	000	2	999	9	Seward		159	6	0000	

Vital Statistics Geographic Code Outline for the United States 164  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
28						Nebraska	31				
	081	000	2	999	9	Sheridan		161	6	0000	
	082	000	2	999	9	Sherman		163	6	0000	
	083	000	2	999	9	Sioux		165	6	0000	
	084	000	2	999	9	Stanton		167	6	0000	
	085	000	2	999	9	Thayer		169	6	0000	
	086	000	2	999	9	Thomas		171	6	0000	
	087	000	2	999	9	Thurston		173	6	0000	
	088	000	2	999	9	Valley		175	6	0000	
	089	206	1	999	9	Washington		177	6	5920	
	090	000	2	999	9	Wayne		179	6	0000	
	091	000	2	999	9	Webster		181	6	0000	
	092	000	2	999	9	Wheeler		183	6	0000	
	093	000	2	999	9	York		185	6	0000	

Vital Statistics Geographic Code Outline for the United States 165  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
29						Nevada	32				
	001	000	2	002	5	Carson City city		510	5	0000	09700
	002	000	2	999	9	Churchill		001	6	0000	
	003	159	1			Clark		003	1	4120	
				001	6	Boulder City					06500
				004	4	Henderson					31900
				005	2	Las Vegas					40000
				006	5	North Las Vegas					51800
				999	9	Balance of county					99999
	004	000	2	999	9	Douglas		005	5	0000	
	005	000	2			Elko		007	5	0000	
				003	6	Elko					22500
				999	9	Balance of county					99999
	006	000	2	999	9	Esmeralda		009	6	0000	
	007	000	2	999	9	Eureka		011	6	0000	
	008	000	2	999	9	Humboldt		013	6	0000	
	009	000	2	999	9	Lander		015	6	0000	
	010	000	2	999	9	Lincoln		017	6	0000	
	011	000	2	999	9	Lyon		019	6	0000	
	012	000	2	999	9	Mineral		021	6	0000	
	013	159	1	999	9	Nye		023	6	4120	
	014	000	2	999	9	Pershing		027	6	0000	
	015	000	2	999	9	Storey		029	6	0000	
	016	230	1			Washoe		031	2	6720	
				007	3	Reno					60600
				008	4	Sparks					68400
				999	9	Balance of county					99999
	017	000	2	999	9	White Pine		033	6	0000	



Vital Statistics Geographic Code Outline for the United States 166  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
30						New Hampshire	33				
	001	000	2			Belknap	001	5	0000		
				006	6	Laconia					40180
				999	9	Balance of county					99999
	002	000	2	999	9	Carroll	003	5	0000		
	003	000	2			Cheshire	005	4	0000		
				005	6	Keene					39300
				999	9	Balance of county					99999
	004	000	2			Coos	007	5	0000		
				001	6	Berlin					05140
				999	9	Balance of county					99999
	005	000	2			Grafton	009	4	0000		
				007	6	Lebanon					41300
				999	9	Balance of county					99999
	006	037	1			Hillsborough	011	2	1123		
				008	4	Manchester					45140
				009	4	Nashua					50260
				999	9	Balance of county					99999
	007	000	2			Merrimack	013	3	0000		
				003	5	Concord					14200
				999	9	Balance of county					99999
	008	037	1			Rockingham	015	3	1123		
				010	5	Portsmouth					62900
				012	5	Salem town					66660
				999	9	Balance of county					99999
	009	037	1			Strafford	017	3	1123		
				004	5	Dover					18820
				011	5	Rochester					65140
				013	6	Somersworth					69940
				999	9	Balance of county					99999
	010	000	2			Sullivan	019	5	0000		

Vital Statistics Geographic Code Outline for the United States 167  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
30						New Hampshire	33				
				002	6	Claremont					12900
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 168  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
31						New Jersey	34				
	001	017	1			Atlantic		001	3	0560	
				003	5	Atlantic City					02080
				014	6	Brigantine					07810
				057	6	Hammonton					29430
				130	6	Pleasantville					59640
				148	6	Somers Point					68430
				163	6	Ventnor City					75620
				999	9	Balance of county					99999
	002	028	1			Bergen		003	1	0875	
				007	6	Bergenfield borough					05170
				022	6	Cliffside Park borough					13570
				031	6	Dumont borough					18400
				038	6	Elmwood Park borough					21300
				039	6	Englewood					21480
				042	5	Fair Lawn borough					22470
				043	6	Fairview borough					22560
				045	5	Fort Lee borough					24420
				048	5	Garfield					25770
				050	6	Glen Rock borough					26640
				053	5	Hackensack					28680
				060	6	Hasbrouck Heights borough					30420
				081	6	Lodi borough					41100
				083	6	Lyndhurst township					42090
				106	6	New Milford borough					51660
				108	6	North Arlington borough					52320
				113	6	Oakland borough					53850
				117	6	Palisades Park borough					55770
				118	5	Paramus borough					55950
				135	6	Ramsey borough					61680
				137	6	Ridgefield Park village					62940

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
31						New Jersey	34				
				138	6	Ridgewood village					63000
				140	6	River Edge borough					63360
				143	6	Rutherford borough					65280
				144	6	Saddle Brook township					65340
				156	5	Teaneck township					72360
				157	6	Tenafly borough					72420
				167	6	Wallington borough					76490
				175	6	Westwood borough					80270
				180	6	Wyckoff township					83050
				999	9	Balance of county					99999
003	214	1				Burlington	005	2	6160		
				019	6	Cinnaminson township					12940
				026	6	Delran township					17440
				040	5	Evesham township					22110
				044	6	Florence township					23850
				088	6	Maple Shade township					43740
				098	6	Moorestown township					47880
				101	6	Mount Holly township					48900
				102	5	Mount Laurel township					49020
				122	5	Pemberton township					57510
				176	5	Willingboro township					81440
				999	9	Balance of county					99999
004	214	1				Camden	007	1	6160		
				006	6	Bellmawr borough					04750
				015	4	Camden					10000
				018	4	Cherry Hill township					12280
				024	6	Collingswood borough					14260
				051	6	Gloucester City					26820
				052	4	Gloucester township					26760

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
31						New Jersey	34				
				054	6	Haddonfield borough					28770
				055	6	Haddon township					28740
				078	6	Lindenwold borough					40440
				123	5	Pennsauken township					57660
				166	6	Voorhees township					76220
				177	5	Winslow township					81740
				999	9	Balance of county					99999
	005	017	1			Cape May	009	4	0560		
				114	6	Ocean City					54360
				999	9	Balance of county					99999
	006	293	1			Cumberland	011	3	8760		
				012	6	Bridgeton					07600
				095	5	Millville					46680
				165	4	Vineland					76070
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 171  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
31						New Jersey	34				
	007	198	1			Essex		013	1	5640	
				005	5	Belleville township					04690
				010	5	Bloomfield township					06250
				017	6	Cedar Grove township					11230
				033	4	East Orange					19390
				069	4	Irvington township					34430
				080	5	Livingston township					40920
				089	6	Maplewood township					43830
				094	6	Millburn township					46410
				097	5	Montclair township					47485
				104	2	Newark					51000
				112	5	Nutley township					53670
				151	6	South Orange Village township					69274
				164	6	Verona township					75800
				999	9	Balance of county					99999
				999	9	Balance of county					99999
	008	214	1			Gloucester		015	3	6160	
				028	6	Deptford township					17710
				049	6	Glassboro borough					26340
				096	5	Monroe township					47250
				168	5	Washington township					77180
				171	6	West Deptford township					78800
				179	6	Woodbury					82120
				999	9	Balance of county					99999
	009	139	1			Hudson		017	1	3640	
				004	4	Bayonne					03580
				059	6	Harrison					30210
				066	5	Hoboken					32250
				071	3	Jersey City					36000
				073	5	Kearny					36510

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
31						New Jersey	34				
				109	5	North Bergen township					52440
				147	6	Secaucus					66570
				161	4	Union City					74630
				170	6	Weehawken township					77960
				173	5	West New York					79610
				999	9	Balance of county					99999
010	181	1		999	9	Hunterdon	019	3		5015	
011	284	1				Mercer	021	2		8480	
				034	6	East Windsor township					19780
				041	5	Ewing township					22180
				056	4	Hamilton township					29310
				075	5	Lawrence township					39510
				133	6	Princeton borough					60900
				160	4	Trenton					74000
				999	9	Balance of county					99999
012	181	1				Middlesex	023	1		5015	
				016	6	Carteret borough					10750
				032	5	East Brunswick township					18970
				036	4	Edison township					20260
				063	6	Highland Park borough					31470
				091	6	Metuchen borough					45690
				092	6	Middlesex borough					45900
				105	5	New Brunswick					51210
				110	5	North Brunswick township					52590
				116	4	Old Bridge township					54705
				125	5	Perth Amboy					58200
				127	5	Piscataway township					58980
				129	6	Plainsboro township					59280
				145	5	Sayreville borough					65790

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
31						New Jersey	34				
				150	5	South Brunswick township					68790
				152	6	South Plainfield borough					69390
				153	6	South River borough					69420
				178	6	Woodbridge township					81950
				999	9	Balance of county					99999
013	186	1				Monmouth	025	1	5190		
				001	6	Aberdeen township					00070
				002	6	Asbury Park					01960
				035	6	Eatontown borough					19840
				047	6	Freehold borough					25200
				062	6	Hazlet township					30690
				068	5	Howell township					33300
				072	6	Keansburg borough					36480
				082	5	Long Branch					41310
				085	5	Manalapan township					42990



Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
31						New Jersey	34				
	013					Monmouth, con.	025	1		5190	
				090	5	Marlboro township					44070
				093	4	Middletown township					45990
				103	5	Neptune township					49890
				115	5	Ocean township					54270
				136	6	Red Bank borough					62430
				158	6	Tinton Falls borough					73020
				999	9	Balance of county					99999
	014	198	1			Morris	027	2		5640	
				027	6	Denville township					17650
				029	6	Dover					18070
				058	6	Hanover township					29655
				076	6	Lincoln Park borough					40290
				084	6	Madison borough					42510
				099	6	Morristown					48300
				100	6	Morris township					48090
				119	5	Parsippany-Troy Hills township					56475
				124	6	Pequannock township					58125
				999	9	Balance of county					99999
	015	186	1			Ocean	029	2		5190	
				009	5	Berkeley township					05300
				011	4	Brick township					07520
				030	4	Dover township					18130
				070	5	Jackson township					34680
				074	5	Lakewood township					38550
				086	5	Manchester township					43140
				131	6	Point Pleasant borough					59880
				999	9	Balance of county					99999
	016	028	1			Passaic	031	2		0875	
				023	4	Clifton					13690

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
31						New Jersey	34				
				061	6	Hawthorne borough					30570
				079	6	Little Falls township					40650
				120	4	Passaic					56550
				121	3	Paterson					57000
				132	6	Pompton Lakes borough					60090
				139	6	Ringwood borough					63150
				159	6	Totowa borough					73140
				169	5	Wayne township					77870
				174	6	West Paterson borough					79820
				999	9	Balance of county					99999
017	214	1		999	9	Salem	033	4		6160	
018	181	1				Somerset	035	3		5015	
				013	5	Bridgewater township					07720
				046	5	Franklin township					24900
				064	5	Hillsborough township					31890
				087	6	Manville borough					43620
				111	6	North Plainfield borough					53280
				149	6	Somerville borough					68460
				999	9	Balance of county					99999
019	198	1				Sussex	037	3		5640	
				067	6	Hopatcong borough					32910
				999	9	Balance of county					99999
020	198	1				Union	039	2		5640	
				008	6	Berkeley Heights township					05350
				021	6	Clark township					13180
				025	6	Cranford township					15670
				037	3	Elizabeth					21000
				065	6	Hillside township					32010
				077	5	Linden					40350

Vital Statistics Geographic Code Outline for the United States 176  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
31						New Jersey	34				
				107	6	New Providence borough					51810
				128	5	Plainfield					59190
				134	5	Rahway					61530
				141	6	Roselle borough					64620
				142	6	Roselle Park borough					64650
				146	6	Scotch Plains township					66090
				154	6	Springfield township					70050
				155	6	Summit					71430
				162	4	Union township					74510
				172	5	Westfield					79040
				999	9	Balance of county					99999
021	198	1				Warren	041	4	5640		
				126	6	Phillipsburg					58350
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
32						New Mexico	35				
	001	005	1			Bernalillo	001	2	0200		
				002	2	Albuquerque					02000
				999	9	Balance of county					99999
	002	000	2	999	9	Catron	003	6	0000		
	003	000	2			Chaves	005	4	0000		
				014	5	Roswell					64930
				999	9	Balance of county					99999
	004	000	2	999	9	Cibola	006	6	0000		
	005	000	2	999	9	Colfax	007	6	0000		
	006	000	2			Curry	009	5	0000		
				005	5	Clovis					16420
				999	9	Balance of county					99999
	007	000	2	999	9	De Baca	011	6	0000		
	008	158	1			Dona Ana	013	3	4100		
				010	4	Las Cruces					39380
				999	9	Balance of county					99999
	009	000	2			Eddy	015	5	0000		
				003	6	Artesia					05220
				004	6	Carlsbad					12150
				999	9	Balance of county					99999
	010	000	2			Grant	017	5	0000		
				016	6	Silver City					73260
				999	9	Balance of county					99999
	011	000	2	999	9	Guadalupe	019	6	0000		
	012	000	2	999	9	Harding	021	6	0000		
	013	000	2	999	9	Hidalgo	023	6	0000		
	014	000	2			Lea	025	4	0000		
				009	5	Hobbs					32520
				999	9	Balance of county					99999
	015	000	2	999	9	Lincoln	027	6	0000		

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
32						New Mexico	35				
	016	255	1	999	9	Los Alamos		028	6	7490	
	017	000	2			Luna		029	6	0000	
				006	6	Deming					20270
				999	9	Balance of county					99999
	018	000	2			McKinley		031	4	0000	
				008	6	Gallup					28460
				999	9	Balance of county					99999
	019	000	2	999	9	Mora		033	6	0000	
	020	000	2			Otero		035	4	0000	
				001	5	Alamogordo					01780
				999	9	Balance of county					99999
	021	000	2	999	9	Quay		037	6	0000	
	022	000	2	999	9	Rio Arriba		039	5	0000	
	023	000	2			Roosevelt		041	6	0000	
				012	6	Portales					59260
				999	9	Balance of county					99999
	024	005	1			Sandoval		043	4	0200	
				013	5	Rio Rancho					63530
				999	9	Balance of county					99999
	025	000	2			San Juan		045	4	0000	
				007	5	Farmington					25800
				999	9	Balance of county					99999
	026	000	2			San Miguel		047	5	0000	
				011	6	Las Vegas					39940
				999	9	Balance of county					99999
	027	255	1			Santa Fe		049	4	7490	
				015	4	Santa Fe					70500
				999	9	Balance of county					99999
	028	000	2	999	9	Sierra		051	6	0000	
	029	000	2	999	9	Socorro		053	6	0000	

Vital Statistics Geographic Code Outline for the United States 179  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
32						New Mexico	35				
	030	000	2	999	9	Taos		055	6	0000	
	031	000	2	999	9	Torrance		057	6	0000	
	032	000	2	999	9	Union		059	6	0000	
	033	005	1	999	9	Valencia		061	5	0200	

Vital Statistics Geographic Code Outline for the United States 180  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
33						New York	36				
	001	004	1			Albany		001	2	0160	
				001	3	Albany					01000
				007	5	Bethlehem town					06354
				017	6	Cohoes					16749
				097	6	Watervliet					78674
				999	9	Balance of county					99999
	002	000	2	999	9	Allegany		003	4	0000	
	003	031	1			Broome		007	3	0960	
				008	4	Binghamton					06607
				024	6	Endicott village					24515
				043	6	Johnson City village					38748
				095	5	Vestal town					77255
				999	9	Balance of county					99999
	004	000	2			Cattaraugus		009	4	0000	
				065	6	Olean					54716
				999	9	Balance of county					99999
	005	276	1			Cayuga		011	4	8160	
				003	5	Auburn					03078
				999	9	Balance of county					99999
	006	137	1			Chautauqua		013	3	3610	
				021	6	Dunkirk					21105
				026	6	Fredonia village					27419
				042	5	Jamestown					38264
				999	9	Balance of county					99999
	007	085	1			Chemung		015	4	2335	
				023	5	Elmira					24229
				999	9	Balance of county					99999
	008	000	2	999	9	Chenango		017	4	0000	
	009	000	2			Clinton		019	4	0000	
				073	6	Plattsburgh					58574
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 181  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
33						New York	36				
	010	000	2	999	9	Columbia		021	4	0000	
	011	000	2			Cortland		023	5	0000	
				019	6	Cortland					18388
				999	9	Balance of county					99999
	012	000	2	999	9	Delaware		025	5	0000	
	013	081	1			Dutchess		027	2	2281	
				006	6	Beacon					05100
				076	5	Poughkeepsie					59641
				999	9	Balance of county					99999
	014	043	1			Erie		029	1	1280	
				012	2	Buffalo					11000
				020	6	Depew village					20313
				036	6	Hamburg village					31643
				044	6	Kenmore village					39232
				046	6	Lackawanna					40189
				047	6	Lancaster village					41135
				091	6	Tonawanda					74166
				099	5	West Seneca town					80918
				999	9	Balance of county					99999
	015	000	2	999	9	Essex		031	5	0000	
	016	000	2	999	9	Franklin		033	5	0000	
	017	000	2			Fulton		035	4	0000	
				034	6	Gloversville					29443
				999	9	Balance of county					99999
	018	236	1			Genesee		037	4	6840	
				005	6	Batavia					04715
				999	9	Balance of county					99999
	019	000	2	999	9	Greene		039	5	0000	
	020	000	2	999	9	Hamilton		041	6	0000	



Vital Statistics Geographic Code Outline for the United States 182  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
33						New York	36				
	021	289	1	999	9	Herkimer		043	4	8680	
	022	000	2			Jefferson		045	3	0000	
				096	5	Watertown					78608
				999	9	Balance of county					99999
	023	000	2	999	9	Lewis		049	5	0000	
	024	236	1	999	9	Livingston		051	4	6840	
	025	276	1			Madison		053	4	8160	
				066	6	Oneida					54837
				999	9	Balance of county					99999
	026	236	1			Monroe		055	1	6840	
				009	5	Brighton town					08246
				015	5	Chili town					15462
				030	5	Gates town					28442
				035	4	Greece town					30290

Vital Statistics Geographic Code Outline for the United States 183  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
33						New York	36				
	026					Monroe, con.	055	1	6840		
				039	5	Henrietta town					34099
				040	4	Irondequoit town					37726
				072	5	Penfield town					57144
				078	3	Rochester					63000
				999	9	Balance of county					99999
	027	004	1			Montgomery	057	4	0160		
				002	6	Amsterdam					02066
				999	9	Balance of county					99999
	028	193	1			Nassau	059	0	5380		
				022	6	East Rockaway village					22876
				025	6	Floral Park village					26264
				027	5	Freeport village					27485
				029	6	Garden City village					28178
				032	6	Glen Cove					29113
				038	5	Hempstead village					33139
				050	5	Long Beach					43335
				051	6	Lynbrook village					43874
				054	6	Massapequa Park village					45997
				057	6	Mineola village					47636
				079	6	Rockville Centre village					63264
				094	5	Valley Stream village					76705
				098	6	Westbury village					79444
				999	9	Balance of county					99999
	029	197	1			New York city				5600	51000
				010	0	Bronx borough, Bronx county	005	0			
				011	0	Brooklyn borough, Kings county	047	0			
				053	0	Manhattan borough, New York county	061	0			
				077	0	Queens borough, Queens county	081	0			
				087	0	Staten Island borough, Richmond county	085	0			

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
33						New York	36				
	030	043	1			Niagara	063	3	1280		
				049	6	Lockport					43082
				061	4	Niagara Falls					51055
				063	5	North Tonawanda					53682
				999	9	Balance of county					99999
	031	289	1			Oneida	065	2	8680		
				080	5	Rome					63418
				093	4	Utica					76540
				999	9	Balance of county					99999
	032	276	1			Onondaga	067	2	8160		
				089	3	Syracuse					73000
				999	9	Balance of county					99999
	033	236	1			Ontario	069	4	6840		
				013	6	Canandaigua					12144
				031	6	Geneva, part					28640
				999	9	Balance of county					99999
	034	199	1			Orange	071	2	5660		
				056	6	Middletown					47042
				059	5	Newburgh					50034
				999	9	Balance of county					99999
	035	236	1	999	9	Orleans	073	5	6840		
	036	276	1			Oswego	075	3	8160		
				028	6	Fulton					27815
				069	6	Oswego					55574
				999	9	Balance of county					99999
	037	000	2			Otsego	077	4	0000		
				067	6	Oneonta					54881
				999	9	Balance of county					99999
	038	197	1			Putnam	079	4	5600		

Vital Statistics Geographic Code Outline for the United States 185  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
33						New York	36				
				014	5	Carmel town					12529
				999	9	Balance of county					99999
039	004	1				Rensselaer	083	3	0160		
				092	4	Troy					75484
				999	9	Balance of county					99999
040	197	1				Rockland	087	2	5600		
				086	6	Spring Valley village					70420
				088	6	Suffern village					71894
				999	9	Balance of county					99999
041	000	2				St. Lawrence	089	3	0000		
				055	6	Massena village					46019
				064	6	Ogdensburg					54485
				075	6	Potsdam village					59564
				999	9	Balance of county					99999
042	004	1				Saratoga	091	3	0160		
				016	5	Clifton Park town					16353

Vital Statistics Geographic Code Outline for the United States 186  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
33						New York	36				
	042					Saratoga, con.	091	3	0160		
				083	5	Saratoga Springs					65255
				999	9	Balance of county					99999
	043	004	1			Schenectady	093	3	0160		
				062	6	Niskayuna town					51264
				081	5	Rotterdam town					63935
				085	4	Schenectady					65508
				999	9	Balance of county					99999
	044	004	1	999	9	Schoharie	095	5	0160		
	045	000	2	999	9	Schuyler	097	6	0000		
	046	000	2			Seneca	099	5	0000		
				031	6	Geneva, part					28640
				999	9	Balance of county					99999
	047	000	2			Steuben	101	4	0000		
				018	6	Corning					18256
				999	9	Balance of county					99999
	048	193	1			Suffolk	103	0	5380		
				004	6	Babylon village					03408
				048	5	Lindenhurst village					42554
				070	6	Patchogue village					56660
				999	9	Balance of county					99999
	049	000	2	999	9	Sullivan	105	4	0000		
	050	031	1	999	9	Tioga	107	4	0960		
	051	000	2			Tompkins	109	4	0000		
				041	5	Ithaca					38077
				999	9	Balance of county					99999
	052	000	2			Ulster	111	3	0000		
				045	6	Kingston					39727
				999	9	Balance of county					99999
	053	109	1			Warren	113	4	2975		

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
33						New York	36				
				033	6	Glens Falls					29333
				999	9	Balance of county					99999
054	109	1		999	9	Washington	115	4		2975	
055	236	1		999	9	Wayne	117	4		6840	
056	197	1				Westchester	119	1		5600	
				037	6	Harrison village					32402
				052	6	Mamaroneck village					44831
				058	4	Mount Vernon					49121
				060	4	New Rochelle					50617
				068	6	Ossining village					55530
				071	6	Peekskill					56979
				074	6	Port Chester village					59223
				082	6	Rye					64309
				084	6	Scarsdale village					65431
				090	6	Tarrytown village					73176
				100	5	White Plains					81677
				101	3	Yonkers					84000
				102	5	Yorktown town					84077
				999	9	Balance of county					99999
057	000	2		999	9	Wyoming	121	5		0000	
058	000	2		999	9	Yates	123	6		0000	

Vital Statistics Geographic Code Outline for the United States 188  
 Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
34						North Carolina	37				
	001	116	1			Alamance	001	3		3120	
				005	5	Burlington					09060
				018	6	Graham					27280
				999	9	Balance of county					99999
	002	124	1	999	9	Alexander	003	5		3290	
	003	000	2	999	9	Alleghany	005	6		0000	
	004	000	2	999	9	Anson	007	6		0000	
	005	000	2	999	9	Ashe	009	6		0000	
	006	000	2	999	9	Avery	011	6		0000	
	007	000	2	999	9	Beaufort	013	5		0000	
	008	000	2	999	9	Bertie	015	6		0000	
	009	000	2	999	9	Bladen	017	5		0000	
	010	305	1	999	9	Brunswick	019	4		9200	
	011	014	1			Buncombe	021	3		0480	
				003	4	Asheville					02140
				999	9	Balance of county					99999
	012	124	1			Burke	023	4		3290	
				023	5	Hickory, part					31060
				036	6	Morganton					44400
				999	9	Balance of county					99999
	013	051	1			Cabarrus	025	4		1520	
				010	5	Concord					14100
				026	5	Kannapolis, part					35200
				999	9	Balance of county					99999
	014	124	1			Caldwell	027	4		3290	
				030	6	Lenoir					37760
				999	9	Balance of county					99999
	015	000	2			Camden	029	6		0000	
				013	6	Elizabeth City, part					20580
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 189  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
34						North Carolina	37				
	016	000	2	999	9	Carteret		031	4	0000	
	017	000	2	999	9	Caswell		033	6	0000	
	018	124	1			Catawba		035	3	3290	
				023	5	Hickory, part					31060
				999	9	Balance of county					99999
	019	226	1	999	9	Chatham		037	5	6640	
	020	000	2	999	9	Cherokee		039	6	0000	
	021	000	2	999	9	Chowan		041	6	0000	
	022	000	2	999	9	Clay		043	6	0000	
	023	000	2			Cleveland		045	4	0000	
				044	6	Shelby					61200
				999	9	Balance of county					99999
	024	000	2	999	9	Columbus		047	5	0000	
	025	000	2			Craven		049	4	0000	
				021	6	Havelock					30120
				037	6	New Bern					46340
				999	9	Balance of county					99999
	026	091	1			Cumberland		051	2	2560	
				014	4	Fayetteville					22920
				999	9	Balance of county					99999
	027	200	1	999	9	Currituck		053	6	5720	
	028	000	2	999	9	Dare		055	6	0000	
	029	116	1			Davidson		057	3	3120	
				024	4	High Point, part					31400
				031	6	Lexington					38060
				047	6	Thomasville					67420
				999	9	Balance of county					99999
	030	116	1	999	9	Davie		059	5	3120	
	031	000	2	999	9	Duplin		061	5	0000	



Vital Statistics Geographic Code Outline for the United States 190  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
34						North Carolina	37				
	032	226	1			Durham	063	3	6640		
				008	5	Chapel Hill, part					11800
				011	3	Durham, part					19000
				999	9	Balance of county					99999
	033	238	1			Edgecombe	065	4	6895		
				041	5	Rocky Mount, part					57500
				046	6	Tarboro					66700
				999	9	Balance of county					99999
	034	116	1			Forsyth	067	2	3120		
				024	4	High Point, part					31400
				027	6	Kernersville, part			35600		
				050	3	Winston-Salem					75000
				999	9	Balance of county					99999
	035	226	1	999	9	Franklin	069	5	6640		
	036	051	1			Gaston	071	3	1520		
				016	4	Gastonia					25580

Vital Statistics Geographic Code Outline for the United States 191  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
34						North Carolina	37				
	036					Gaston, con.	071	3		1520	
				999	9	Balance of county					99999
	037	000	2	999	9	Gates	073	6		0000	
	038	000	2	999	9	Graham	075	6		0000	
	039	000	2	999	9	Granville	077	5		0000	
	040	000	2	999	9	Greene	079	6		0000	
	041	116	1			Guilford	081	2		3120	
				019	3	Greensboro					28000
				024	4	High Point, part					31400
				027	6	Kernersville, part					35600
				999	9	Balance of county					99999
	042	000	2			Halifax	083	4		0000	
				040	6	Roanoke Rapids					56900
				999	9	Balance of county					99999
	043	000	2	999	9	Harnett	085	4		0000	
	044	000	2	999	9	Haywood	087	5		0000	
	045	000	2	999	9	Henderson	089	4		0000	
	046	000	2	999	9	Hertford	091	6		0000	
	047	000	2	999	9	Hoke	093	6		0000	
	048	000	2	999	9	Hyde	095	6		0000	
	049	000	2			Iredell	097	4		0000	
				045	6	Statesville					64740
				999	9	Balance of county					99999
	050	000	2	999	9	Jackson	099	5		0000	
	051	226	1	999	9	Johnston	101	4		6640	
	052	000	2	999	9	Jones	103	6		0000	
	053	000	2			Lee	105	5		0000	
				043	6	Sanford					59280
				999	9	Balance of county					99999
	054	000	2			Lenoir	107	4		0000	

Vital Statistics Geographic Code Outline for the United States 192  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
34						North Carolina	37				
				028	5	Kinston					35920
				999	9	Balance of county					99999
055	051	1	999	9	Lincoln		109	4	1520		
056	000	2	999	9	McDowell		111	5	0000		
057	000	2	999	9	Macon		113	6	0000		
058	014	1	999	9	Madison		115	6	0480		
059	000	2	999	9	Martin		117	5	0000		
060	051	1			Mecklenburg		119	1	1520		
				009	2	Charlotte					12000
				033	6	Matthews					41960
				034	6	Mint Hill					43480
				999	9	Balance of county					99999
061	000	2	999	9	Mitchell		121	6	0000		
062	000	2	999	9	Montgomery		123	6	0000		
063	000	2	999	9	Moore		125	4	0000		
064	238	1			Nash		127	4	6895		
				041	5	Rocky Mount, part					57500
				999	9	Balance of county					99999
065	305	1			New Hanover		129	3	9200		
				048	4	Wilmington					74440
				999	9	Balance of county					99999
066	000	2	999	9	Northampton		131	6	0000		
067	136	1			Onslow		133	3	3605		
				025	5	Jacksonville					34200
				999	9	Balance of county					99999
068	226	1			Orange		135	4	6640		
				006	6	Carrboro					10620
				008	5	Chapel Hill, part					11800
				011	3	Durham, part					19000

Vital Statistics Geographic Code Outline for the United States 193  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
34						North Carolina	37				
				999	9	Balance of county					99999
069	000	2		999	9	Pamlico	137	6	0000		
070	000	2				Pasquotank	139	5	0000		
				013	6	Elizabeth City, part					20580
				999	9	Balance of county					99999
071	000	2		999	9	Pender	141	5	0000		
072	000	2		999	9	Perquimans	143	6	0000		
073	000	2		999	9	Person	145	5	0000		
074	117	1				Pitt	147	3	3150		
				020	5	Greenville					28080
				999	9	Balance of county					99999
075	000	2		999	9	Polk	149	6	0000		
076	116	1				Randolph	151	3	3120		
				002	6	Asheboro					02080
				024	4	High Point, part					31400

Vital Statistics Geographic Code Outline for the United States 194  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
34						North Carolina	37				
	076					Randolph, con.	151	3	3120		
				999	9	Balance of county					99999
	077	000	2	999	9	Richmond	153	5	0000		
	078	000	2			Robeson	155	3	0000		
				032	6	Lumberton					39700
				999	9	Balance of county					99999
	079	000	2			Rockingham	157	4	0000		
				012	6	Eden					20080
				039	6	Reidsville					55900
				999	9	Balance of county					99999
	080	051	1			Rowan	159	3	1520		
				026	5	Kannapolis, part					35200
				042	6	Salisbury					58860
				999	9	Balance of county					99999
	081	000	2	999	9	Rutherford	161	4	0000		
	082	000	2	999	9	Sampson	163	5	0000		
	083	000	2			Scotland	165	5	0000		
				029	6	Laurinburg					37220
				999	9	Balance of county					99999
	084	000	2			Stanly	167	4	0000		
				001	6	Albemarle					00680
				999	9	Balance of county					99999
	085	116	1	999	9	Stokes	169	5	3120		
	086	000	2	999	9	Surry	171	4	0000		
	087	000	2	999	9	Swain	173	6	0000		
	088	000	2	999	9	Transylvania	175	5	0000		
	089	000	2	999	9	Tyrrell	177	6	0000		
	090	051	1			Union	179	4	1520		
				035	6	Monroe					43920
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 195  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
34						North Carolina	37				
091	000	2				Vance	181	5	0000		
				022	6	Henderson					30660
				999	9	Balance of county					99999
092	226	1				Wake	183	2	6640		
				007	5	Cary					10740
				015	6	Garner					25480
				038	3	Raleigh					55000
				999	9	Balance of county					99999
093	000	2	999	9		Warren	185	6	0000		
094	000	2	999	9		Washington	187	6	0000		
095	000	2				Watauga	189	5	0000		
				004	6	Boone					07080
				999	9	Balance of county					99999
096	110	1				Wayne	191	3	2980		
				017	5	Goldsboro					26880
				999	9	Balance of county					99999
097	000	2	999	9		Wilkes	193	4	0000		
098	000	2				Wilson	195	4	0000		
				049	5	Wilson					74540
				999	9	Balance of county					99999
099	116	1	999	9		Yadkin	197	5	3120		
100	000	2	999	9		Yancey	199	6	0000		

Vital Statistics Geographic Code Outline for the United States 196  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
35						North Dakota	38				
	001	000	2	999	9	Adams	001	6		0000	
	002	000	2	999	9	Barnes	003	6		0000	
	003	000	2	999	9	Benson	005	6		0000	
	004	000	2	999	9	Billings	007	6		0000	
	005	000	2	999	9	Bottineau	009	6		0000	
	006	000	2	999	9	Bowman	011	6		0000	
	007	000	2	999	9	Burke	013	6		0000	
	008	033	1			Burleigh	015	4		1010	
				001	5	Bismarck					07200
				999	9	Balance of county					99999
	009	090	1			Cass	017	3		2520	
				003	4	Fargo					25700
				008	6	West Fargo					84780
				999	9	Balance of county					99999
	010	000	2	999	9	Cavalier	019	6		0000	
	011	000	2	999	9	Dickey	021	6		0000	
	012	000	2	999	9	Divide	023	6		0000	
	013	000	2	999	9	Dunn	025	6		0000	
	014	000	2	999	9	Eddy	027	6		0000	
	015	000	2	999	9	Emmons	029	6		0000	
	016	000	2	999	9	Foster	031	6		0000	
	017	000	2	999	9	Golden Valley	033	6		0000	
	018	111	1			Grand Forks	035	4		2985	
				004	5	Grand Forks					32060
				999	9	Balance of county					99999
	019	000	2	999	9	Grant	037	6		0000	
	020	000	2	999	9	Griggs	039	6		0000	
	021	000	2	999	9	Hettinger	041	6		0000	
	022	000	2	999	9	Kidder	043	6		0000	
	023	000	2	999	9	La Moure	045	6		0000	

Vital Statistics Geographic Code Outline for the United States 197  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
35						North Dakota	38				
	024	000	2	999	9	Logan		047	6	0000	
	025	000	2	999	9	McHenry		049	6	0000	
	026	000	2	999	9	McIntosh		051	6	0000	
	027	000	2	999	9	McKenzie		053	6	0000	
	028	000	2	999	9	McLean		055	6	0000	
	029	000	2	999	9	Mercer		057	6	0000	
	030	033	1			Morton		059	6	1010	
				006	6	Mandan					49900
				999	9	Balance of county					99999
	031	000	2	999	9	Mountrail		061	6	0000	
	032	000	2	999	9	Nelson		063	6	0000	
	033	000	2	999	9	Oliver		065	6	0000	
	034	000	2	999	9	Pembina		067	6	0000	
	035	000	2	999	9	Pierce		069	6	0000	
	036	000	2	999	9	Ramsey		071	6	0000	
	037	000	2	999	9	Ransom		073	6	0000	
	038	000	2	999	9	Renville		075	6	0000	
	039	000	2	999	9	Richland		077	6	0000	
	040	000	2	999	9	Rolette		079	6	0000	
	041	000	2	999	9	Sargent		081	6	0000	
	042	000	2	999	9	Sheridan		083	6	0000	
	043	000	2	999	9	Sioux		085	6	0000	
	044	000	2	999	9	Slope		087	6	0000	
	045	000	2			Stark		089	6	0000	
				002	6	Dickinson					19620
				999	9	Balance of county					99999
	046	000	2	999	9	Steele		091	6	0000	
	047	000	2			Stutsman		093	6	0000	
				005	6	Jamestown					40580



Vital Statistics Geographic Code Outline for the United States 198  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
35						North Dakota	38				
				999	9	Balance of county					99999
048	000	2	999	9		Towner	095	6	0000		
049	000	2	999	9		Traill	097	6	0000		
050	000	2	999	9		Walsh	099	6	0000		
051	000	2				Ward	101	4	0000		
				007	5	Minot					53380
				999	9	Balance of county					99999
052	000	2	999	9		Wells	103	6	0000		
053	000	2				Williams	105	6	0000		
				009	6	Williston					86220
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 199  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
36						Ohio	39				
	001	000	2	999	9	Adams		001	5	0000	
	002	164	1			Allen		003	3	4320	
				072	5	Lima					43554
				999	9	Balance of county					99999
	003	000	2			Ashland		005	5	0000	
				004	6	Ashland					02568
				999	9	Balance of county					99999
	004	059	1			Ashtabula		007	4	1680	
				005	6	Ashtabula					02638
				035	6	Conneaut					18350
				999	9	Balance of county					99999
	005	000	2			Athens		009	4	0000	
				006	6	Athens					02736
				999	9	Balance of county					99999
	006	164	1	999	9	Auglaize		011	5	4320	
	007	300	1	999	9	Belmont		013	4	9000	
	008	057	1	999	9	Brown		015	5	1640	
	009	120	1			Butler		017	2	3200	
				050	5	Fairfield					25970
				063	4	Hamilton					33012
				088	5	Middletown, part					49840
				102	6	Oxford					59234
				117	6	Sharonville, part					71892
				999	9	Balance of county					99999
	010	045	1	999	9	Carroll		019	5	1320	
	011	000	2			Champaign		021	5	0000	
				134	6	Urbana					79072
				999	9	Balance of county					99999
	012	070	1			Clark		023	3	2000	
				122	4	Springfield					74118

Vital Statistics Geographic Code Outline for the United States 200  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
36						Ohio	39				
				999	9	Balance of county					99999
013	057	1		999	9	Clermont	025	3		1640	
014	000	2				Clinton	027	5		0000	
				149	6	Wilmington					85792
				999	9	Balance of county					99999
015	309	1				Columbiana	029	3		9320	
				045	6	East Liverpool					23730
				113	6	Salem					69834
				999	9	Balance of county					99999
016	000	2				Coshocton	031	5		0000	
				036	6	Coshocton					18868
				999	9	Balance of county					99999
017	174	1				Crawford	033	5		4800	
				024	6	Bucyrus					10030
				058	6	Galion					29162
				999	9	Balance of county					99999
018	059	1				Cuyahoga	035	0		1680	
				009	6	Bay Village					04416
				010	6	Beachwood					04500
				012	6	Bedford					04878
				013	6	Bedford Heights					04920
				015	6	Berea					05690
				019	6	Brecksville					08364
				020	6	Broadview Heights					09064
				021	6	Brooklyn					09246
				022	6	Brook Park					09288
				032	1	Cleveland					16000
				033	4	Cleveland Heights					16014
				043	5	East Cleveland					23380

Vital Statistics Geographic Code Outline for the United States 201  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St Cnty P/MSA M/NM City P/S Area Names

St Cnty P/S P/MSA

36

Ohio

39

048	4			Euclid	25704
051	6			Fairview Park	26446
059	5			Garfield Heights	29428
069	4			Lakewood	41664
075	6			Lyndhurst	45556
077	5			Maple Heights	47306
083	6			Mayfield Heights	48482
087	6			Middleburg Heights	49644
095	5			North Olmsted	56882
097	6			North Royalton	57008
104	4			Parma	61000
105	6			Parma Heights	61028
112	6			Rocky River	68056
115	6			Seven Hills	71416
116	5			Shaker Heights	71682

Vital Statistics Geographic Code Outline for the United States 202  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
36						Ohio	39				
	018					Cuyahoga, con.	035	0		1680	
				119	6	Solon					72928
				120	6	South Euclid					73264
				125	5	Strongsville					75098
				132	6	University Heights					78932
				140	6	Warrensville Heights					80990
				144	5	Westlake					83622
				999	9	Balance of county					99999
	019	000	2			Darke	037	4		0000	
				061	6	Greenville					32340
				999	9	Balance of county					99999
	020	000	2			Defiance	039	5		0000	
				039	6	Defiance					21308
				999	9	Balance of county					99999
	021	064	1			Delaware	041	4		1840	
				040	6	Delaware					21434
				042	6	Dublin, part					22694
				143	5	Westerville, part					83342
				999	9	Balance of county					99999
	022	000	2			Erie	043	4		0000	
				114	5	Sandusky					70380
				137	6	Vermilion, part					79716
				999	9	Balance of county					99999
	023	064	1			Fairfield	045	3		1840	
				034	1	Columbus, part					18000
				070	5	Lancaster					41720
				111	5	Reynoldsburg, part					66390
				999	9	Balance of county					99999
	024	000	2			Fayette	047	5		0000	
				141	6	Washington					81214

Vital Statistics Geographic Code Outline for the United States 203  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
36						Ohio	39				
				999	9	Balance of county					99999
025	064	1				Franklin	049	1	1840		
				016	6	Bexley					06278
				034	1	Columbus, part					18000
				042	6	Dublin, part					22694
				057	5	Gahanna					29106
				062	6	Grove City					32592
				064	6	Hilliard					35476
				111	5	Reynoldsburg, part					66390
				133	5	Upper Arlington					79002
				143	5	Westerville, part					83342
				145	6	Whitehall					84742
				151	6	Worthington					86604
				999	9	Balance of county					99999
026	282	1		999	9	Fulton	051	5	8400		
027	000	2		999	9	Gallia	053	5	0000		
028	059	1		999	9	Geauga	055	4	1680		
029	070	1				Greene	057	3	2000		
				011	5	Beavercreek					04720
				049	5	Fairborn					25914
				152	6	Xenia					86772
				999	9	Balance of county					99999
030	000	2				Guernsey	059	5	0000		
				025	6	Cambridge					10996
				999	9	Balance of county					99999
031	057	1				Hamilton	061	1	1640		
				017	6	Blue Ash					07300
				030	2	Cincinnati					15000
				053	6	Forest Park					27706
				074	6	Loveland					45108

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
36						Ohio	39				
				094	6	North College Hill					56322
				100	6	Norwood					57386
				110	6	Reading					65732
				117	6	Sharonville, part					71892
				121	6	Springdale					74104
				999	9	Balance of county					99999
032	000	2				Hancock	063	4	0000		
				052	5	Findlay					27048
				054	6	Fostoria, part					28014
				999	9	Balance of county					99999
033	000	2	999	9		Hardin	065	5	0000		
034	000	2	999	9		Harrison	067	6	0000		
035	000	2	999	9		Henry	069	5	0000		
036	000	2	999	9		Highland	071	5	0000		

Vital Statistics Geographic Code Outline for the United States 205  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
36						Ohio	39				
	037	000	2	999	9	Hocking		073	5	0000	
	038	000	2	999	9	Holmes		075	5	0000	
	039	000	2			Huron		077	4	0000	
				099	6	Norwalk					57302
				999	9	Balance of county					99999
	040	000	2	999	9	Jackson		079	5	0000	
	041	273	1			Jefferson		081	4	8080	
				123	6	Steubenville					74608
				999	9	Balance of county					99999
	042	000	2			Knox		083	5	0000	
				089	6	Mount Vernon					53102
				999	9	Balance of county					99999
	043	059	1			Lake		085	3	1680	
				044	6	Eastlake					23618
				085	5	Mentor					49056
				103	6	Painesville					59416
				146	6	Wickliffe					85036
				147	6	Willoughby					85484
				148	6	Willowick					85638
				999	9	Balance of county					99999
	044	128	1			Lawrence		087	4	3400	
				066	6	Ironton					37464
				999	9	Balance of county					99999
	045	064	1			Licking		089	3	1840	
				090	5	Newark					54040
				111	5	Reynoldsburg, part					66390
				999	9	Balance of county					99999
	046	000	2			Logan		091	5	0000	
				014	6	Bellefontaine					05130
				999	9	Balance of county					99999
	047	059	1			Lorain		093	2	1680	



Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
36						Ohio	39				
				003	6	Amherst					01798
				007	6	Avon Lake					03464
				046	4	Elyria					25256
				073	4	Lorain					44856
				096	6	North Ridgeville					56966
				137	6	Vermilion, part					79716
				999	9	Balance of county					99999
048	282	1				Lucas	095	2	8400		
				082	6	Maumee					48342
				101	6	Oregon					58730
				127	6	Sylvania					76022
				130	2	Toledo					77000
				999	9	Balance of county					99999
049	064	1	999	9		Madison	097	5	1840		
050	309	1				Mahoning	099	2	9320		
				002	6	Alliance, part					01420
				026	6	Campbell					11066
				126	6	Struthers					75126
				153	4	Youngstown, part					88000
				999	9	Balance of county					99999
051	000	2				Marion	101	4	0000		
				079	5	Marion					47754
				999	9	Balance of county					99999
052	059	1				Medina	103	3	1680		
				023	5	Brunswick					09680
				084	6	Medina					48790
				138	6	Wadsworth					80304
				999	9	Balance of county					99999
053	000	2	999	9		Meigs	105	6	0000		
054	000	2	999	9		Mercer	107	5	0000		

Vital Statistics Geographic Code Outline for the United States 207  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
36						Ohio	39				
	055	070	1			Miami		109	4	2000	
				065	5	Huber Heights, part					36610
				107	6	Piqua					62848
				131	6	Troy					77588
				999	9	Balance of county					99999
	056	000	2	999	9	Monroe		111	6	0000	
	057	070	1			Montgomery		113	1	2000	
				028	6	Centerville					13190
				038	3	Dayton					21000
				047	6	Englewood					25396
				065	5	Huber Heights, part					36610
				068	4	Kettering					40040
				086	6	Miamisburg					49434

Vital Statistics Geographic Code Outline for the United States 208  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
36						Ohio	39				
	057					Montgomery, con.	113	1	2000		
				135	6	Vandalia					79492
				142	6	West Carrolllton City					83090
				999	9	Balance of county					99999
	058	000	2	999	9	Morgan	115	6	0000		
	059	000	2	999	9	Morrow	117	5	0000		
	060	000	2			Muskingum	119	4	0000		
				154	5	Zanesville					88084
				999	9	Balance of county					99999
	061	000	2	999	9	Noble	121	6	0000		
	062	000	2	999	9	Ottawa	123	5	0000		
	063	000	2	999	9	Paulding	125	6	0000		
	064	000	2	999	9	Perry	127	5	0000		
	065	064	1			Pickaway	129	5	1840		
				031	6	Circleville					15070
				999	9	Balance of county					99999
	066	000	2	999	9	Pike	131	6	0000		
	067	002	1			Portage	133	3	0080		
				067	5	Kent					39872
				109	6	Ravenna					65592
				999	9	Balance of county					99999
	068	000	2	999	9	Preble	135	5	0000		
	069	000	2	999	9	Putnam	137	5	0000		
	070	174	1			Richland	139	3	4800		
				076	4	Mansfield					47138
				999	9	Balance of county					99999
	071	000	2			Ross	141	4	0000		
				029	6	Chillicothe					14184
				999	9	Balance of county					99999
	072	000	2			Sandusky	143	4	0000		
				056	6	Fremont					28826

Vital Statistics Geographic Code Outline for the United States 209  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
36						Ohio	39				
				999	9	Balance of county					99999
073	000	2				Scioto	145	4	0000		
				108	6	Portsmouth					64304
				999	9	Balance of county					99999
074	000	2				Seneca	147	4	0000		
				054	6	Fostoria, part					28014
				129	6	Tiffin					76778
				999	9	Balance of county					99999
075	000	2				Shelby	149	5	0000		
				118	6	Sidney					72424
				999	9	Balance of county					99999
076	045	1				Stark	151	2	1320		
				002	6	Alliance, part					01420
				027	4	Canton					12000
				081	5	Massillon					48244
				093	6	North Canton					56294
				999	9	Balance of county					99999
077	002	1				Summit	153	1	0080		
				001	3	Akron					01000
				008	5	Barberton					03828
				037	5	Cuyahoga Falls					19778
				098	6	Norton, part					57260
				124	5	Stow					74944
				128	6	Tallmadge					76106
				999	9	Balance of county					99999
078	309	1				Trumbull	155	3	9320		
				060	6	Girard					30198
				092	6	Niles					55916
				139	4	Warren					80892
				153	4	Youngstown, part					88000

Vital Statistics Geographic Code Outline for the United States 210  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
36						Ohio	39				
				999	9	Balance of county					99999
	079	000	2			Tuscarawas		157	4	0000	
				041	6	Dover					22456
				091	6	New Philadelphia					55216
				999	9	Balance of county					99999
	080	000	2			Union		159	5	0000	
				042	6	Dublin, part					22694
				999	9	Balance of county					99999
	081	000	2			Van Wert		161	5	0000	
				136	6	Van Wert					79562
				999	9	Balance of county					99999
	082	000	2	999	9	Vinton		163	6	0000	
	083	057	1			Warren		165	3	1640	
				055	6	Franklin					28476

Vital Statistics Geographic Code Outline for the United States 211  
 Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
36						Ohio	39				
	083					Warren, con.	165	3		1640	
				071	6	Lebanon					42364
				080	6	Mason					48188
				088	5	Middletown, part					49840
				999	9	Balance of county					99999
	084	211	1			Washington	167	4		6020	
				078	6	Marietta					47628
				999	9	Balance of county					99999
	085	000	2			Wayne	169	3		0000	
				098	6	Norton, part					57260
				150	6	Wooster					86548
				999	9	Balance of county					99999
	086	000	2	999	9	Williams	171	5		0000	
	087	282	1			Wood	173	3		8400	
				018	5	Bowling Green					07972
				054	6	Fostoria, part					28014
				106	6	Perrysburg					62148
				999	9	Balance of county					99999
	088	000	2	999	9	Wyandot	175	6		0000	

Vital Statistics Geographic Code Outline for the United States 212  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
37						Oklahoma	40				
	001	000	2	999	9	Adair		001	6	0000	
	002	000	2	999	9	Alfalfa		003	6	0000	
	003	000	2	999	9	Atoka		005	6	0000	
	004	000	2	999	9	Beaver		007	6	0000	
	005	000	2			Beckham		009	6	0000	
				013	6	Elk City					23500
				999	9	Balance of county					99999
	006	000	2	999	9	Blaine		011	6	0000	
	007	000	2			Bryan		013	5	0000	
				011	6	Durant					22050
				999	9	Balance of county					99999
	008	000	2	999	9	Caddo		015	5	0000	
	009	204	1			Canadian		017	4	5880	
				014	6	El Reno					23700
				023	6	Mustang					50100
				025	2	Oklahoma City, part					55000
				038	6	Yukon					82950
				999	9	Balance of county					99999
	010	000	2			Carter		019	5	0000	
				003	6	Ardmore					02600
				999	9	Balance of county					99999
	011	000	2			Cherokee		021	5	0000	
				033	6	Tahlequah					72100
				999	9	Balance of county					99999
	012	000	2	999	9	Choctaw		023	6	0000	
	013	000	2	999	9	Cimarron		025	6	0000	
	014	204	1			Cleveland		027	3	5880	
				021	5	Moore					49200
				024	4	Norman					52500
				025	2	Oklahoma City, part					55000

Vital Statistics Geographic Code Outline for the United States 213  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
37						Oklahoma	40				
				999	9	Balance of county					99999
015	000	2		999	9	Coal	029	6	0000		
016	161	1				Comanche	031	3	4200		
				017	4	Lawton					41850
				999	9	Balance of county					99999
017	000	2		999	9	Cotton	033	6	0000		
018	000	2		999	9	Craig	035	6	0000		
019	286	1				Creek	037	4	8560		
				030	6	Sapulpa					65400
				999	9	Balance of county					99999
020	000	2				Custer	039	5	0000		
				036	6	Weatherford					79450
				999	9	Balance of county					99999
021	000	2		999	9	Delaware	041	5	0000		
022	000	2		999	9	Dewey	043	6	0000		
023	000	2		999	9	Ellis	045	6	0000		
024	086	1				Garfield	047	4	2340		
				015	5	Enid					23950
				999	9	Balance of county					99999
025	000	2		999	9	Garvin	049	5	0000		
026	000	2				Grady	051	5	0000		
				007	6	Chickasha					13950
				999	9	Balance of county					99999
027	000	2		999	9	Grant	053	6	0000		
028	000	2		999	9	Greer	055	6	0000		
029	000	2		999	9	Harmon	057	6	0000		
030	000	2		999	9	Harper	059	6	0000		
031	000	2		999	9	Haskell	061	6	0000		
032	000	2		999	9	Hughes	063	6	0000		
033	000	2				Jackson	065	5	0000		



Vital Statistics Geographic Code Outline for the United States 214  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
37						Oklahoma	40				
			002	6		Altus					01700
			999	9		Balance of county					99999
034	000	2	999	9		Jefferson	067	6	0000		
035	000	2	999	9		Johnston	069	6	0000		
036	000	2				Kay	071	5	0000		
			028	5		Ponca City					59850
			999	9		Balance of county					99999
037	000	2	999	9		Kingfisher	073	6	0000		
038	000	2	999	9		Kiowa	075	6	0000		
039	000	2	999	9		Latimer	077	6	0000		
040	000	2	999	9		Le Flore	079	5	0000		
041	000	2	999	9		Lincoln	081	5	0000		
042	204	1				Logan	083	5	5880		
			016	6		Guthrie					31700

Vital Statistics Geographic Code Outline for the United States 215  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
37						Oklahoma	40				
	042					Logan, con.	083	5		5880	
				999	9	Balance of county					99999
	043	000	2	999	9	Love	085	6		0000	
	044	204	1			McClain	087	6		5880	
				025	2	Oklahoma City, part					55000
				999	9	Balance of county					99999
	045	000	2	999	9	McCurtain	089	5		0000	
	046	000	2	999	9	McIntosh	091	6		0000	
	047	000	2	999	9	Major	093	6		0000	
	048	000	2	999	9	Marshall	095	6		0000	
	049	000	2	999	9	Mayes	097	5		0000	
	050	000	2	999	9	Murray	099	6		0000	
	051	000	2			Muskogee	101	4		0000	
				022	5	Muskogee					50050
				999	9	Balance of county					99999
	052	000	2	999	9	Noble	103	6		0000	
	053	000	2	999	9	Nowata	105	6		0000	
	054	000	2	999	9	Okfuskee	107	6		0000	
	055	204	1			Oklahoma	109	1		5880	
				005	6	Bethany					05700
				009	6	Del City					19900
				012	4	Edmond					23200
				020	4	Midwest City					48350
				025	2	Oklahoma City, part					55000
				034	6	The Village					73250
				999	9	Balance of county					99999
	056	000	2			Okmulgee	111	5		0000	
				026	6	Okmulgee					55150
				999	9	Balance of county					99999
	057	286	1			Osage	113	5		8560	

Vital Statistics Geographic Code Outline for the United States 216  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
37						Oklahoma	40				
				004	5	Bartlesville, part					04450
				029	6	Sand Springs, part					65300
				035	2	Tulsa, part					75000
				999	9	Balance of county					99999
058	000	2				Ottawa	115	5	0000		
				019	6	Miami					48000
				999	9	Balance of county					99999
059	000	2	999	9		Pawnee	117	6	0000		
060	000	2				Payne	119	4	0000		
				032	5	Stillwater					70300
				999	9	Balance of county					99999
061	000	2				Pittsburg	121	5	0000		
				018	6	McAlester					44800
				999	9	Balance of county					99999
062	000	2				Pontotoc	123	5	0000		
				001	6	Ada					00200
				999	9	Balance of county					99999
063	204	1				Pottawatomie	125	4	5880		
				025	2	Oklahoma City, part					55000
				031	5	Shawnee					66800
				999	9	Balance of county					99999
064	000	2	999	9		Pushmataha	127	6	0000		
065	000	2	999	9		Roger Mills	129	6	0000		
066	286	1				Rogers	131	4	8560		
				008	6	Claremore					14700
				999	9	Balance of county					99999
067	000	2	999	9		Seminole	133	5	0000		
068	100	1	999	9		Sequoyah	135	5	2720		
069	000	2				Stephens	137	5	0000		
				010	6	Duncan					21900

Vital Statistics Geographic Code Outline for the United States 217  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
37						Oklahoma	40				
			999	9		Balance of county					99999
070	000	2	999	9		Texas	139	6		0000	
071	000	2	999	9		Tillman	141	6		0000	
072	286	1				Tulsa	143	1		8560	
			006	4		Broken Arrow, part					09050
			027	6		Owasso					56650
			029	6		Sand Springs, part					65300
			035	2		Tulsa, part					75000
			035	2		Tulsa, part					75000
			999	9		Balance of county					99999
073	286	1				Wagoner	145	5		8560	
			006	4		Broken Arrow, part					09050
			999	9		Balance of county					99999
074	000	2				Washington	147	5		0000	
			004	5		Bartlesville, part					04450

Vital Statistics Geographic Code Outline for the United States 218  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
37						Oklahoma	40				
	074					Washington, con.	147	5	0000		
				999	9	Balance of county					99999
	075	000	2	999	9	Washita	149	6	0000		
	076	000	2	999	9	Woods	151	6	0000		
	077	000	2			Woodward	153	6	0000		
				037	6	Woodward					82150
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 219  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
38						Oregon	41				
	001	000	2	999	9	Baker		001	6	0000	
	002	000	2			Benton		003	4	0000	
				001	5	Albany, part					01000
				008	5	Corvallis					15800
				999	9	Balance of county					99999
	003	220	1			Clackamas		005	2	6440	
				011	6	Gladstone					29000
				019	5	Lake Oswego, part					40550
				023	6	Milwaukie, part					48650
				025	6	Oregon City					55200
				027	2	Portland, part					59000
				032	6	Tualatin, part					74950
				033	6	West Linn					80150
				999	9	Balance of county					99999
	004	000	2			Clatsop		007	5	0000	
				003	6	Astoria					03150
				999	9	Balance of county					99999
	005	220	1	999	9	Columbia		009	5	6440	
	006	000	2			Coos		011	4	0000	
				007	6	Coos Bay					15250
				999	9	Balance of county					99999
	007	000	2	999	9	Crook		013	6	0000	
	008	000	2	999	9	Curry		015	6	0000	
	009	000	2			Deschutes		017	4	0000	
				005	6	Bend					05800
				999	9	Balance of county					99999
	010	000	2			Douglas		019	4	0000	
				028	6	Roseburg					63650
				999	9	Balance of county					99999
	011	000	2	999	9	Gilliam		021	6	0000	

Vital Statistics Geographic Code Outline for the United States 220  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
38						Oregon	41				
	012	000	2	999	9	Grant		023	6	0000	
	013	000	2	999	9	Harney		025	6	0000	
	014	000	2	999	9	Hood River		027	6	0000	
	015	176	1			Jackson		029	3	4890	
				002	6	Ashland					03050
				022	5	Medford					47000
				999	9	Balance of county					99999
	016	000	2	999	9	Jefferson		031	6	0000	
	017	000	2			Josephine		033	4	0000	
				012	6	Grants Pass					30550
				999	9	Balance of county					99999
	018	000	2			Klamath		035	4	0000	
				017	6	Klamath Falls					39700
				999	9	Balance of county					99999
	019	000	2	999	9	Lake		037	6	0000	
	020	088	1			Lane		039	2	2400	
				009	3	Eugene					23850
				030	5	Springfield					69600
				999	9	Balance of county					99999
	021	000	2	999	9	Lincoln		041	5	0000	
	022	000	2			Linn		043	4	0000	
				001	5	Albany, part					01000
				020	6	Lebanon					41650
				999	9	Balance of county					99999
	023	000	2	999	9	Malheur		045	5	0000	
	024	244	1			Marion		047	3	7080	
				016	6	Keizer					38500
				029	3	Salem, part					64900
				034	6	Woodburn					83750
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 221  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
38						Oregon	41				
	025	000	2	999	9	Morrow		049	6	0000	
	026	220	1			Multnomah		051	1	6440	
				013	4	Gresham					31250
				019	5	Lake Oswego, part					40550
				023	6	Milwaukie, part					48650
				027	2	Portland, part					59000
				999	9	Balance of county					99999
	027	244	1			Polk		053	5	7080	
				029	3	Salem, part					64900
				999	9	Balance of county					99999
	028	000	2	999	9	Sherman		055	6	0000	
	029	000	2	999	9	Tillamook		057	6	0000	
	030	000	2			Umatilla		059	4	0000	
				014	6	Hermiston					33700



Vital Statistics Geographic Code Outline for the United States 222  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
38						Oregon	41				
	030					Umatilla, con.	059	4	0000		
				026	6	Pendleton					57150
				999	9	Balance of county					99999
	031	000	2			Union	061	6	0000		
				018	6	La Grande					40350
				999	9	Balance of county					99999
	032	000	2	999	9	Wallowa	063	6	0000		
	033	000	2			Wasco	065	6	0000		
				006	6	City of the Dalles					13425
				999	9	Balance of county					99999
	034	220	1			Washington	067	2	6440		
				004	4	Beaverton					05350
				010	6	Forest Grove					26200
				015	5	Hillsboro					34100
				019	5	Lake Oswego, part					40550
				027	2	Portland, part					59000
				031	5	Tigard					73650
				032	6	Tualatin, part					74950
				999	9	Balance of county					99999
	035	000	2	999	9	Wheeler	069	6	0000		
	036	220	1			Yamhill	071	4	6440		
				021	6	McMinnville					45000
				024	6	Newberg					52100
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 223  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
39						Pennsylvania	42				
	001	000	2	999	9	Adams		001	4	0000	
	002	217	1			Allegheny		003	0	6280	
				006	6	Baldwin borough					03928
				010	5	Bethel Park borough					06064
				014	6	Brentwood borough					08416
				036	6	Franklin Park borough					27552
				041	6	Harrison Township					32868
				065	5	McCandless Township					45904
				066	5	McKeesport					46256
				074	5	Mount Lebanon					51704
				076	6	Munhall borough					52320
				077	5	Municipality of Monroeville borough					52330
				088	6	North Versailles					55496
				091	4	Penn Hills					59040
				094	2	Pittsburgh					61000
				095	5	Plum borough					61536
				102	5	Ross Township					66356
				105	5	Shaler Township					69596
				107	6	South Park Township					72403
				118	6	Swissvale borough					75816
				129	6	Upper St. Clair					79312
				137	6	West Mifflin borough					83512
				139	6	Whitehall borough					84512
				144	6	Wilkinsburg borough					85188
				999	9	Balance of county					99999
	003	000	2	999	9	Armstrong		005	4	0000	
	004	217	1			Beaver		007	3	6280	
				002	6	Aliquippa					00820
				007	6	Beaver Falls					04792
				999	9	Balance of county					99999
	005	000	2	999	9	Bedford		009	5	0000	

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
39						Pennsylvania	42				
006	228	1				Berks	011	2	6680		
				075	6	Muhlenberg township					52200
				100	4	Reading					63624
				113	6	Spring township					72824
				999	9	Balance of county					99999
007	008	1				Blair	013	3	0280		
				004	4	Altoona					02184
				999	9	Balance of county					99999
008	000	2	999	9		Bradford	015	4	0000		
009	214	1				Bucks	017	1	6160		
				008	4	Bensalem township					05616
				015	6	Bristol borough					08760
				016	4	Bristol township					08768
				035	5	Falls township					25112
				059	5	Lower Makefield township					44968
				064	6	Lower Southampton township					45112
				071	5	Middletown township					49120
				084	6	Newtown township					54192
				086	5	Northampton township					54688
				130	6	Upper Southampton township					79296
				132	5	Warminster township					80952
				999	9	Balance of county					99999
010	217	1				Butler	019	3	6280		
				017	6	Butler					10464
				999	9	Balance of county					99999
011	141	1				Cambria	021	3	3680		
				050	5	Johnstown					38288
				999	9	Balance of county					99999
012	000	2	999	9		Cameron	023	6	0000		
013	007	1	999	9		Carbon	025	4	0240		

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
39						Pennsylvania	42				
	014	272	1			Centre		027	3	8050	
				114	5	State College borough					73808
				999	9	Balance of county					99999
	015	214	1			Chester		029	2	6160	
				018	6	Caln township					10824
				024	6	Coatesville					14712
				028	6	East Goshen township					21192
				093	6	Phoenixville borough					60120
				120	5	Tredyffrin township					77344
				131	6	Uwchlan township					79480
				135	6	West Chester borough					82704
				136	6	West Goshen township					83080
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 226  
 Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
39						Pennsylvania	42				
	016	000	2	999	9	Clarion		031	5	0000	
	017	000	2	999	9	Clearfield		033	4	0000	
	018	000	2	999	9	Clinton		035	5	0000	
	019	259	1			Columbia		037	4	7560	
				009	6	Berwick borough					05888
				013	6	Bloomsburg					07128
				999	9	Balance of county					99999
	020	000	2			Crawford		039	4	0000	
				069	6	Meadville					48360
				999	9	Balance of county					99999
	021	121	1			Cumberland		041	3	3240	
				020	6	Carlisle borough					11272
				031	6	East Pennsboro township					21680
				038	6	Hampden township					32296
				057	6	Lower Allen township					44832
				122	6	Upper Allen township					78736
				999	9	Balance of county					99999
	022	121	1			Dauphin		043	3	3240	
				040	4	Harrisburg					32800
				062	5	Lower Paxton township					45056
				116	6	Susquehanna township					75528
				117	6	Swatara township					75672
				999	9	Balance of county					99999
	023	214	1			Delaware		045	1	6160	
				005	6	Aston township					03336
				023	5	Chester					13208
				026	6	Darby borough					18152
				043	5	Haverford township					33144
				055	6	Lansdowne borough					41440
				068	6	Marple township					47616
				070	6	Middletown township					49136

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
39						Pennsylvania	42				
				080	6	Nether Providence Township					53112
				083	6	Newtown township					54224
				099	5	Radnor Township					63268
				101	5	Ridley township					64800
				110	6	Springfield					73040
				123	6	Upper Chichester township					78776
				124	4	Upper Darby township					79000
				146	6	Yeadon borough					86968
				999	9	Balance of county					99999
024	000	2	999	9	Elk		047	5	0000		
025	087	1			Erie		049	2	2360		
				034	3	Erie					24000
				072	5	Millcreek township					49600
				999	9	Balance of county					99999
026	217	1			Fayette		051	3	6280		
				121	6	Uniontown					78528
				999	9	Balance of county					99999
027	000	2	999	9	Forest		053	6	0000		
028	000	2			Franklin		055	3	0000		
				021	6	Chambersburg borough					12536
				999	9	Balance of county					99999
029	000	2	999	9	Fulton		057	6	0000		
030	000	2	999	9	Greene		059	5	0000		
031	000	2	999	9	Huntingdon		061	5	0000		
032	000	2			Indiana		063	4	0000		
				048	6	Indiana borough					36816
				999	9	Balance of county					99999
033	000	2	999	9	Jefferson		065	5	0000		
034	000	2	999	9	Juniata		067	6	0000		
035	259	1			Lackawanna		069	3	7560		
				019	6	Carbondale					11232

Vital Statistics Geographic Code Outline for the United States 228  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
39						Pennsylvania	42				
				027	6	Dunmore borough					20352
				104	4	Scranton					69000
				999	9	Balance of county					99999
036	155	1				Lancaster	071	2	4000		
				025	6	Columbia borough					15384
				033	6	Ephrata borough					23832
				052	4	Lancaster					41216
				053	6	Lancaster township					41224
				067	5	Manheim township					46896
				999	9	Balance of county					99999
037	000	2				Lawrence	073	4	0000		
				081	5	New Castle					53368

Vital Statistics Geographic Code Outline for the United States 229  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
39						Pennsylvania	42				
	037					Lawrence, con.	073	4	0000		
				999	9	Balance of county					99999
	038	121	1			Lebanon	075	3	3240		
				056	6	Lebanon					42168
				999	9	Balance of county					99999
	039	007	1			Lehigh	077	2	0240		
				003	3	Allentown					02000
				011	4	Bethlehem, part					06088
				032	6	Emmaus borough					23584
				103	6	Salisbury township					67576
				108	6	South Whitehall township					72632
				140	6	Whitehall township					84528
				999	9	Balance of county					99999
	040	259	1			Luzerne	079	2	7560		
				044	6	Hazleton					33408
				051	6	Kingston borough					39784
				079	6	Nanticoke					52584
				143	5	Wilkes-Barre					85152
				999	9	Balance of county					99999
	041	303	1			Lycoming	081	3	9140		
				145	5	Williamsport					85312
				999	9	Balance of county					99999
	042	000	2	999	9	McKean	083	5	0000		
	043	261	1			Mercer	085	3	7610		
				046	6	Hermitage					34064
				106	6	Sharon					69720
				999	9	Balance of county					99999
	044	000	2	999	9	Mifflin	087	5	0000		
	045	000	2	999	9	Monroe	089	4	0000		
	046	214	1			Montgomery	091	1	6160		
				001	4	Abington township					00156



Vital Statistics Geographic Code Outline for the United States 230  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
39						Pennsylvania	42				
				022	5	Cheltenham township					12968
				029	6	East Norriton					21608
				042	6	Hatfield township					33120
				047	6	Horsham township					35808
				054	6	Lansdale borough					41432
				060	4	Lower Merion township					44976
				061	6	Lower Moreland township					45008
				063	6	Lower Providence township					45080
				073	6	Montgomery township					50640
				085	5	Norristown borough					54656
				096	6	Plymouth township					61664
				097	6	Pottstown borough					62416
				111	6	Springfield township					73088
				119	6	Towamencin township					77152
				125	6	Upper Dublin township					79008
				126	6	Upper Gwynedd township					79056
				127	5	Upper Merion township					79136
				128	5	Upper Moreland township					79176
				138	6	West Norriton					83704
				141	6	Whitemarsh township					84624
				142	6	Whitpain township					84888
				999	9	Balance of county					99999
047	000	2		999	9	Montour	093	6	0000		
048	007	1				Northampton	095	3	0240		
				011	4	Bethlehem, part					06088
				012	6	Bethlehem township					06096
				030	5	Easton					21648
				090	6	Palmer township					57672
				999	9	Balance of county					99999
049	000	2				Northumberland	097	4	0000		
				115	6	Sunbury					75304

Vital Statistics Geographic Code Outline for the United States 231  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
39						Pennsylvania	42				
				999	9	Balance of county					99999
050	121	1		999	9	Perry	099	5		3240	
051	214	1		092	0	Philadelphia, coext. with Philadelphia c	101	0		6160	60000
052	199	1		999	9	Pike	103	5		5660	
053	000	2		999	9	Potter	105	6		0000	
054	000	2				Schuylkill	107	3		0000	
				098	6	Pottsville					62432
				999	9	Balance of county					99999
055	000	2		999	9	Snyder	109	5		0000	
056	141	1		999	9	Somerset	111	4		3680	
057	000	2		999	9	Sullivan	113	6		0000	
058	000	2		999	9	Susquehanna	115	5		0000	

Vital Statistics Geographic Code Outline for the United States 232  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
39						Pennsylvania	42				
	059	000	2	999	9	Tioga		117	5	0000	
	060	000	2	999	9	Union		119	5	0000	
	061	000	2			Venango		121	4	0000	
				089	6	Oil City					56456
				999	9	Balance of county					99999
	062	000	2			Warren		123	5	0000	
				133	6	Warren					81000
				999	9	Balance of county					99999
	063	217	1			Washington		125	3	6280	
				134	6	Washington					81328
				999	9	Balance of county					99999
	064	000	2	999	9	Wayne		127	5	0000	
	065	217	1			Westmoreland		129	2	6280	
				037	6	Greensburg					31200
				045	5	Hempfield township					33792
				049	6	Jeannette					37784
				058	6	Lower Burrell					44864
				078	6	Municipality of Murrysville borough					52332
				082	6	New Kensington					53736
				087	5	North Huntingdon township					55128
				999	9	Balance of county					99999
	066	259	1	999	9	Wyoming		131	5	7560	
	067	308	1			York		133	2	9280	
				039	6	Hanover borough					32448
				109	6	Springettsbury township					72992
				112	6	Spring Garden township					73168
				147	5	York					87048
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 233  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
40						Rhode Island	44				
	001	221	1			Bristol		001	5	6483	
				001	6	Barrington					04960
				002	6	Bristol					09460
				015	6	Warren town					73760
				999	9	Balance of county					99999
	002	221	1			Kent		003	3	6483	
				004	5	Coventry town					18640
				016	4	Warwick					74300
				999	9	Balance of county					99999
	003	000	2			Newport		005	4	0000	
				009	6	Middletown town					45460
				011	5	Newport					49960
				999	9	Balance of county					99999
	004	221	1			Providence		007	1	6483	
				003	6	Central Falls					14140
				005	4	Cranston					19180
				006	5	Cumberland town					20080
				007	4	East Providence					22960
				008	5	Johnston town					37720
				012	5	North Providence					51940
				013	4	Pawtucket					54640
				014	3	Providence					59000
				017	5	Woonsocket					80780
				999	9	Balance of county					99999
	005	221	1			Washington		009	3	6483	
				010	6	Narragansett town					48340
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
41						South Carolina	45				
	001	000	2	999	9	Abbeville		001	6	0000	
	002	018	1			Aiken		003	3	0600	
				001	6	Aiken					00550
				022	6	North Augusta, part					50695
				999	9	Balance of county					99999
	003	000	2	999	9	Allendale		005	6	0000	
	004	118	1			Anderson		007	3	3160	
				002	5	Anderson					01360
				006	6	Clemson, part					14950
				999	9	Balance of county					99999
	005	000	2	999	9	Bamberg		009	6	0000	
	006	000	2	999	9	Barnwell		011	6	0000	
	007	000	2			Beaufort		013	4	0000	
				016	6	Hilton Head Island					34045
				999	9	Balance of county					99999
	008	049	1			Berkeley		015	3	1440	
				011	6	Goose Creek					29815
				015	6	Hanahan					32065
				023	4	North Charleston, part					50875
				028	6	Summerville, part					70270
				999	9	Balance of county					99999
	009	000	2	999	9	Calhoun		017	6	0000	
	010	049	1			Charleston		019	2	1440	
				005	4	Charleston					13330
				019	5	Mount Pleasant					48535
				023	4	North Charleston, part					50875
				028	6	Summerville, part					70270
				999	9	Balance of county					99999
	011	118	1			Cherokee		021	5	3160	
				010	6	Gaffney					28060

Vital Statistics Geographic Code Outline for the United States 235  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
41						South Carolina	45				
				999	9	Balance of county					99999
	012	000	2	999	9	Chester	023	5	0000		
	013	000	2	999	9	Chesterfield	025	5	0000		
	014	000	2	999	9	Clarendon	027	5	0000		
	015	000	2	999	9	Colleton	029	5	0000		
	016	000	2	999	9	Darlington	031	4	0000		
	017	000	2	999	9	Dillon	033	5	0000		
	018	049	1			Dorchester	035	4	1440		
				023	4	North Charleston, part					50875
				028	6	Summerville, part					70270
				999	9	Balance of county					99999
	019	018	1			Edgefield	037	6	0600		
				022	6	North Augusta, part					50695
				999	9	Balance of county					99999
	020	000	2	999	9	Fairfield	039	6	0000		
	021	095	1			Florence	041	3	2655		
				009	5	Florence					25810
				999	9	Balance of county					99999
	022	000	2	999	9	Georgetown	043	5	0000		
	023	118	1			Greenville	045	2	3160		
				012	4	Greenville					30850
				014	6	Greer, part					30985
				018	6	Mauldin					45115
				026	6	Simpsonville					66580
				999	9	Balance of county					99999
	024	000	2			Greenwood	047	4	0000		
				013	6	Greenwood					30895
				999	9	Balance of county					99999
	025	000	2	999	9	Hampton	049	6	0000		

Vital Statistics Geographic Code Outline for the United States 236  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
41						South Carolina	45				
	026	190	1			Horry	051	3	5330		
				020	6	Myrtle Beach					49075
				999	9	Balance of county					99999
	027	000	2	999	9	Jasper	053	6	0000		
	028	000	2	999	9	Kershaw	055	5	0000		
	029	000	2	999	9	Lancaster	057	4	0000		
	030	000	2	999	9	Laurens	059	4	0000		
	031	000	2	999	9	Lee	061	6	0000		
	032	062	1			Lexington	063	3	1760		
				004	6	Cayce					12655
				017	6	Irmo, part					35890
				030	6	West Columbia					75850
				999	9	Balance of county					99999
	033	000	2	999	9	McCormick	065	6	0000		
	034	000	2	999	9	Marion	067	5	0000		

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
41						South Carolina	45				
	035	000	2			Marlboro		069	5	0000	
				003	6	Bennettsville					05680
				999	9	Balance of county					99999
	036	000	2			Newberry		071	5	0000	
				021	6	Newberry					49570
				999	9	Balance of county					99999
	037	000	2	999	9	Oconee		073	4	0000	
	038	000	2			Orangeburg		075	4	0000	
				024	6	Orangeburg					53080
				999	9	Balance of county					99999
	039	118	1			Pickens		077	4	3160	
				006	6	Clemson, part					14950
				008	6	Easley					21985
				999	9	Balance of county					99999
	040	062	1			Richland		079	2	1760	
				007	4	Columbia					16000
				017	6	Irmo, part					35890
				999	9	Balance of county					99999
	041	000	2	999	9	Saluda		081	6	0000	
	042	118	1			Spartanburg		083	3	3160	
				014	6	Greer, part					30985
				027	5	Spartanburg					68290
				999	9	Balance of county					99999
	043	275	1			Sumter		085	3	8140	
				029	5	Sumter					70405
				999	9	Balance of county					99999
	044	000	2	999	9	Union		087	5	0000	
	045	000	2	999	9	Williamsburg		089	5	0000	
	046	051	1			York		091	3	1520	
				025	5	Rock Hill					61405
				999	9	Balance of county					99999



Vital Statistics Geographic Code Outline for the United States 238  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
42						South Dakota	46				
	001	000	2	999	9	Aurora		003	6	0000	
	002	000	2			Beadle		005	6	0000	
				003	6	Huron					31060
				999	9	Balance of county					99999
	003	000	2	999	9	Bennett		007	6	0000	
	004	000	2	999	9	Bon Homme		009	6	0000	
	005	000	2			Brookings		011	5	0000	
				002	6	Brookings					07580
				999	9	Balance of county					99999
	006	000	2			Brown		013	5	0000	
				001	6	Aberdeen					00100
				999	9	Balance of county					99999
	007	000	2	999	9	Brule		015	6	0000	
	008	000	2	999	9	Buffalo		017	6	0000	
	009	000	2	999	9	Butte		019	6	0000	
	010	000	2	999	9	Campbell		021	6	0000	
	011	000	2	999	9	Charles Mix		023	6	0000	
	012	000	2	999	9	Clark		025	6	0000	
	013	000	2			Clay		027	6	0000	
				008	6	Vermillion					66700
				999	9	Balance of county					99999
	014	000	2			Codington		029	6	0000	
				009	6	Watertown					69300
				999	9	Balance of county					99999
	015	000	2	999	9	Corson		031	6	0000	
	016	000	2	999	9	Custer		033	6	0000	
	017	000	2			Davison		035	6	0000	
				004	6	Mitchell					43100
				999	9	Balance of county					99999
	018	000	2	999	9	Day		037	6	0000	
	019	000	2	999	9	Deuel		039	6	0000	

Vital Statistics Geographic Code Outline for the United States 239  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
42						South Dakota	46				
	020	000	2	999	9	Dewey		041	6	0000	
	021	000	2	999	9	Douglas		043	6	0000	
	022	000	2	999	9	Edmunds		045	6	0000	
	023	000	2	999	9	Fall River		047	6	0000	
	024	000	2	999	9	Faulk		049	6	0000	
	025	000	2	999	9	Grant		051	6	0000	
	026	000	2	999	9	Gregory		053	6	0000	
	027	000	2	999	9	Haakon		055	6	0000	
	028	000	2	999	9	Hamlin		057	6	0000	
	029	000	2	999	9	Hand		059	6	0000	
	030	000	2	999	9	Hanson		061	6	0000	
	031	000	2	999	9	Harding		063	6	0000	
	032	000	2			Hughes		065	6	0000	
				005	6	Pierre					49600
				999	9	Balance of county					99999
	033	000	2	999	9	Hutchinson		067	6	0000	
	034	000	2	999	9	Hyde		069	6	0000	
	035	000	2	999	9	Jackson		071	6	0000	
	036	000	2	999	9	Jerauld		073	6	0000	
	037	000	2	999	9	Jones		075	6	0000	
	038	000	2	999	9	Kingsbury		077	6	0000	
	039	000	2	999	9	Lake		079	6	0000	
	040	000	2	999	9	Lawrence		081	6	0000	
	041	266	1			Lincoln		083	6	7760	
				007	3	Sioux Falls, part					59020
				999	9	Balance of county					99999
	042	000	2	999	9	Lyman		085	6	0000	
	043	000	2	999	9	McCook		087	6	0000	
	044	000	2	999	9	McPherson		089	6	0000	
	045	000	2	999	9	Marshall		091	6	0000	
	046	000	2	999	9	Meade		093	6	0000	
	047	000	2	999	9	Mellette		095	6	0000	

Vital Statistics Geographic Code Outline for the United States 240  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
42						South Dakota					
	048	000	2	999	9	Miner	097	6	0000		
	049	266	1			Minnehaha	099	3	7760		
				007	3	Sioux Falls, part					59020
				999	9	Balance of county					99999
	050	000	2	999	9	Moody	101	6	0000		
	051	227	1			Pennington	103	4	6660		
				006	4	Rapid City					52980
				999	9	Balance of county					99999
	052	000	2	999	9	Perkins	105	6	0000		
	053	000	2	999	9	Potter	107	6	0000		
	054	000	2	999	9	Roberts	109	6	0000		

Vital Statistics Geographic Code Outline for the United States 241  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
42						South Dakota	46				
	055	000	2	999	9	Sanborn		111	6	0000	
	056	000	2	999	9	Shannon		113	6	0000	
	057	000	2	999	9	Spink		115	6	0000	
	058	000	2	999	9	Stanley		117	6	0000	
	059	000	2	999	9	Sully		119	6	0000	
	060	000	2	999	9	Todd		121	6	0000	
	061	000	2	999	9	Tripp		123	6	0000	
	062	000	2	999	9	Turner		125	6	0000	
	063	000	2	999	9	Union		127	6	0000	
	064	000	2	999	9	Walworth		129	6	0000	
	065	000	2			Yankton		135	6	0000	
				010	6	Yankton					73060
				999	9	Balance of county					99999
	066	000	2	999	9	Ziebach		137	6	0000	

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
43						Tennessee	47				
	001	148	1			Anderson	001	4		3840	
				035	5	Oak Ridge, part					55120
				999	9	Balance of county					99999
	002	000	2			Bedford	003	5		0000	
				037	6	Shelbyville					67760
				999	9	Balance of county					99999
	003	000	2	999	9	Benton	005	6		0000	
	004	000	2	999	9	Bledsoe	007	6		0000	
	005	148	1			Blount	009	4		3840	
				029	6	Maryville					46380
				999	9	Balance of county					99999
	006	000	2			Bradley	011	4		0000	
				008	5	Cleveland					15400
				999	9	Balance of county					99999
	007	000	2	999	9	Campbell	013	5		0000	
	008	000	2	999	9	Cannon	015	6		0000	
	009	000	2	999	9	Carroll	017	5		0000	
	010	140	1			Carter	019	4		3660	
				014	6	Elizabethton					23500
				023	5	Johnson City, part					38320
				999	9	Balance of county					99999
	011	192	1	999	9	Cheatham	021	5		5360	
	012	000	2	999	9	Chester	023	6		0000	
	013	000	2	999	9	Claiborne	025	5		0000	
	014	000	2	999	9	Clay	027	6		0000	
	015	000	2	999	9	Cocke	029	5		0000	
	016	000	2			Coffee	031	5		0000	
				040	6	Tullahoma, part					75320
				999	9	Balance of county					99999
	017	000	2	999	9	Crockett	033	6		0000	

Vital Statistics Geographic Code Outline for the United States 243  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
43						Tennessee	47				
018	000	2	999	9		Cumberland	035	5	0000		
019	192	1				Davidson	037	1	5360		
			019	6		Goodlettsville, part					29920
			034	2		Nashville-Davidson					52010
			999	9		Balance of county					99999
020	000	2	999	9		Decatur	039	6	0000		
021	000	2	999	9		De Kalb	041	6	0000		
022	192	1	999	9		Dickson	043	5	5360		
023	000	2				Dyer	045	5	0000		
			012	6		Dyersburg					22200
			999	9		Balance of county					99999
024	178	1	999	9		Fayette	047	5	4920		
025	000	2	999	9		Fentress	049	6	0000		
026	000	2				Franklin	051	5	0000		
			040	6		Tullahoma, part					75320
			999	9		Balance of county					99999
027	000	2	999	9		Gibson	053	5	0000		
028	000	2	999	9		Giles	055	5	0000		
029	000	2	999	9		Grainger	057	6	0000		
030	000	2				Greene	059	4	0000		
			020	6		Greeneville					30980
			999	9		Balance of county					99999
031	000	2	999	9		Grundy	061	6	0000		
032	000	2				Hamblen	063	4	0000		
			032	6		Morristown					50280
			999	9		Balance of county					99999
033	053	1				Hamilton	065	2	1560		
			006	3		Chattanooga					14000
			013	6		East Ridge					22720
			036	6		Red Bank					61960
			999	9		Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 244  
Effective with 1999 Data

Vital Statistics Codes								FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area	Names	St	Cnty	P/S	P/MSA	Place
43						Tennessee		47				
	034	000	2	999	9		Hancock		067	6	0000	
	035	000	2	999	9		Hardeman		069	6	0000	
	036	000	2	999	9		Hardin		071	6	0000	
	037	140	1				Hawkins		073	5	3660	
				024	5		Kingsport, part					39560
				999	9		Balance of county					99999
	038	000	2				Haywood		075	6	0000	
				005	6		Brownsville					08920
				999	9		Balance of county					99999
	039	000	2	999	9		Henderson		077	6	0000	
	040	000	2	999	9		Henry		079	5	0000	
	041	000	2	999	9		Hickman		081	6	0000	
	042	000	2	999	9		Houston		083	6	0000	

Vital Statistics Geographic Code Outline for the United States 245  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
43						Tennessee	47				
	043	000	2	999	9	Humphreys		085	6	0000	
	044	000	2	999	9	Jackson		087	6	0000	
	045	000	2	999	9	Jefferson		089	5	0000	
	046	000	2	999	9	Johnson		091	6	0000	
	047	148	1			Knox		093	2	3840	
				015	6	Farragut, part					25760
				025	3	Knoxville					40000
				999	9	Balance of county					99999
	048	000	2	999	9	Lake		095	6	0000	
	049	000	2	999	9	Lauderdale		097	6	0000	
	050	000	2			Lawrence		099	5	0000	
				026	6	Lawrenceburg					41340
				999	9	Balance of county					99999
	051	000	2	999	9	Lewis		101	6	0000	
	052	000	2	999	9	Lincoln		103	5	0000	
	053	148	1			Loudon		105	5	3840	
				015	6	Farragut, part					25760
				999	9	Balance of county					99999
	054	000	2			McMinn		107	5	0000	
				001	6	Athens					02320
				999	9	Balance of county					99999
	055	000	2	999	9	McNairy		109	6	0000	
	056	000	2	999	9	Macon		111	6	0000	
	057	134	1			Madison		113	4	3580	
				022	5	Jackson					37640
				999	9	Balance of county					99999
	058	053	1	999	9	Marion		115	6	1560	
	059	000	2	999	9	Marshall		117	6	0000	
	060	000	2			Maury		119	4	0000	
				010	5	Columbia					16540



Vital Statistics Geographic Code Outline for the United States 246  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
43						Tennessee	47				
			999	9		Balance of county					99999
061	000	2	999	9		Meigs	121	6		0000	
062	000	2	999	9		Monroe	123	5		0000	
063	058	1				Montgomery	125	3		1660	
			007	4		Clarksville					15160
			999	9		Balance of county					99999
064	000	2	999	9		Moore	127	6		0000	
065	000	2	999	9		Morgan	129	6		0000	
066	000	2				Obion	131	5		0000	
			041	6		Union City					75940
			999	9		Balance of county					99999
067	000	2	999	9		Overton	133	6		0000	
068	000	2	999	9		Perry	135	6		0000	
069	000	2	999	9		Pickett	137	6		0000	
070	000	2	999	9		Polk	139	6		0000	
071	000	2				Putnam	141	4		0000	
			011	6		Cookeville					16920
			999	9		Balance of county					99999
072	000	2	999	9		Rhea	143	6		0000	
073	000	2				Roane	145	5		0000	
			035	5		Oak Ridge, part					55120
			999	9		Balance of county					99999
074	192	1				Robertson	147	5		5360	
			039	6		Springfield					70500
			999	9		Balance of county					99999
075	192	1				Rutherford	149	3		5360	
			033	5		Murfreesboro					51560
			038	6		Smyrna					69420
			999	9		Balance of county					99999
076	000	2	999	9		Scott	151	6		0000	
077	000	2	999	9		Sequatchie	153	6		0000	

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes

FIPS Codes

St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
43						Tennessee	47				
	078	148	1	999	9	Sevier		155	4	3840	
	079	178	1			Shelby		157	1	4920	
				002	5	Bartlett					03440
				009	6	Collierville					16420
				018	5	Germantown					28960
				030	1	Memphis					48000
				031	6	Millington					49060
				999	9	Balance of county					99999
	080	000	2	999	9	Smith		159	6	0000	
	081	000	2	999	9	Stewart		161	6	0000	
	082	140	1			Sullivan		163	3	3660	
				004	6	Bristol					08540
				023	5	Johnson City, part					38320

Vital Statistics Geographic Code Outline for the United States 248  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
43						Tennessee	47				
	082					Sullivan, con.	163	3	3660		
				024	5	Kingsport, part					39560
				999	9	Balance of county					99999
	083	192	1			Sumner	165	3	5360		
				017	6	Gallatin					28540
				019	6	Goodlettsville, part					29920
				021	5	Hendersonville					33280
				999	9	Balance of county					99999
	084	178	1	999	9	Tipton	167	5	4920		
	085	000	2	999	9	Trousdale	169	6	0000		
	086	140	1	999	9	Unicoi	171	6	3660		
	087	148	1	999	9	Union	173	6	3840		
	088	000	2	999	9	Van Buren	175	6	0000		
	089	000	2			Warren	177	5	0000		
				028	6	McMinnville					45100
				999	9	Balance of county					99999
	090	140	1			Washington	179	4	3660		
				023	5	Johnson City, part					38320
				999	9	Balance of county					99999
	091	000	2	999	9	Wayne	181	6	0000		
	092	000	2	999	9	Weakley	183	5	0000		
	093	000	2	999	9	White	185	6	0000		
	094	192	1			Williamson	187	4	5360		
				003	6	Brentwood					08280
				016	6	Franklin					27740
				999	9	Balance of county					99999
	095	192	1			Wilson	189	4	5360		
				027	6	Lebanon					41520
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 249  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	001	000	2			Anderson		001	5	0000	
				116	6	Palestine					54708
				999	9	Balance of county					99999
	002	000	2			Andrews		003	6	0000	
				006	6	Andrews					03216
				999	9	Balance of county					99999
	003	000	2			Angelina		005	4	0000	
				098	5	Lufkin					45072
				999	9	Balance of county					99999
	004	000	2	999	9	Aransas		007	6	0000	
	005	302	1			Archer		009	6	9080	
				171	4	Wichita Falls, part					79000
				999	9	Balance of county					99999
	006	000	2	999	9	Armstrong		011	6	0000	
	007	000	2	999	9	Atascosa		013	5	0000	
	008	000	2	999	9	Austin		015	6	0000	
	009	000	2	999	9	Bailey		017	6	0000	
	010	000	2	999	9	Bandera		019	6	0000	
	011	019	1	999	9	Bastrop		021	5	0640	
	012	000	2	999	9	Baylor		023	6	0000	
	013	000	2			Bee		025	5	0000	
				016	6	Beeville					07192
				999	9	Balance of county					99999
	014	147	1			Bell		027	3	3810	
				018	6	Belton					07492
				071	6	Harker Heights					32312
				084	4	Killeen					39148
				152	5	Temple					72176
				999	9	Balance of county					99999
	015	248	1			Bexar		029	0	7240	

Vital Statistics Geographic Code Outline for the United States 250  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
				095	6	Live Oak					43096
				137	1	San Antonio					65000
				141	6	Schertz, part					66128
				158	6	Universal City					74408
				999	9	Balance of county					99999
016	000	2	999	9		Blanco	031	6	0000		
017	000	2	999	9		Borden	033	6	0000		
018	000	2	999	9		Bosque	035	6	0000		
019	281	1				Bowie	037	4	8360		
				154	5	Texarkana					72368
				999	9	Balance of county					99999
020	039	1				Brazoria	039	3	1145		
				004	6	Alvin					02272
				007	6	Angleton					03264
				058	6	Freeport					27420
				086	6	Lake Jackson					40588
				120	6	Pearland, part					56348
				999	9	Balance of county					99999
021	042	1				Brazos	041	3	1260		
				025	4	Bryan					10912
				032	4	College Station					15976
				999	9	Balance of county					99999
022	000	2	999	9		Brewster	043	6	0000		
023	000	2	999	9		Briscoe	045	6	0000		
024	000	2	999	9		Brooks	047	6	0000		
025	000	2				Brown	049	5	0000		
				024	6	Brownwood					10780
				999	9	Balance of county					99999
026	000	2	999	9		Burleson	051	6	0000		
027	000	2	999	9		Burnet	053	6	0000		

Vital Statistics Geographic Code Outline for the United States 251  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	028	019	1			Caldwell	055	5	0640		
				140	5	San Marcos, part					65600
				999	9	Balance of county					99999
	029	000	2			Calhoun	057	6	0000		
				127	6	Port Lavaca					58916
				999	9	Balance of county					99999
	030	000	2	999	9	Callahan	059	6	0000		
	031	041	1			Cameron	061	2	1240		
				023	4	Brownsville					10768
				072	5	Harlingen					32372
				138	6	San Benito					65036
				999	9	Balance of county					99999
	032	000	2	999	9	Camp	063	6	0000		
	033	000	2	999	9	Carson	065	6	0000		

Vital Statistics Geographic Code Outline for the United States 252  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	034	000	2	999	9	Cass		067	5	0000	
	035	000	2	999	9	Castro		069	6	0000	
	036	127	1			Chambers		071	6	3360	
				013	4	Baytown, part					06128
				999	9	Balance of county					99999
	037	000	2			Cherokee		073	5	0000	
				080	6	Jacksonville					37216
				999	9	Balance of county					99999
	038	000	2	999	9	Childress		075	6	0000	
	039	000	2	999	9	Clay		077	6	0000	
	040	000	2	999	9	Cochran		079	6	0000	
	041	000	2	999	9	Coke		081	6	0000	
	042	000	2	999	9	Coleman		083	6	0000	
	043	067	1			Collin		085	2	1920	
				003	6	Allen					01924
				029	4	Carrollton, part					13024
				039	0	Dallas, part					19000
				063	3	Garland, part					29000
				100	6	McKinney					45744
				124	3	Plano, part					58016
				129	4	Richardson, part					61796
				999	9	Balance of county					99999
	044	000	2	999	9	Collingsworth		087	6	0000	
	045	000	2	999	9	Colorado		089	6	0000	
	046	248	1			Comal		091	4	7240	
				112	5	New Braunfels, part					50820
				141	6	Schertz, part					66128
				999	9	Balance of county					99999
	047	000	2	999	9	Comanche		093	6	0000	
	048	000	2	999	9	Concho		095	6	0000	

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	049	000	2			Cooke		097	5	0000	
				060	6	Gainesville					27984
				999	9	Balance of county					99999
	050	147	1			Coryell		099	4	3810	
				036	6	Copperas Cove, part					16624
				064	6	Gatesville					29168
				999	9	Balance of county					99999
	051	000	2	999	9	Cottle		101	6	0000	
	052	000	2	999	9	Crane		103	6	0000	
	053	000	2	999	9	Crockett		105	6	0000	
	054	000	2	999	9	Crosby		107	6	0000	
	055	000	2	999	9	Culberson		109	6	0000	
	056	000	2	999	9	Dallam		111	6	0000	
	057	067	1			Dallas		113	0	1920	
				011	6	Balch Springs					05372
				029	4	Carrollton, part					13024
				030	6	Cedar Hill, part					13492
				035	6	Coppell, part					16612
				039	0	Dallas, part					19000
				044	5	DeSoto					20092
				047	5	Duncanville					21628
				054	6	Farmers Branch					25452
				063	3	Garland, part					29000
				066	4	Grand Prairie, part					30464
				067	5	Grapevine, part					30644
				079	3	Irving					37000
				089	6	Lancaster					41212
				094	5	Lewisville, part					42508
				104	3	Mesquite					47892
				129	4	Richardson, part					61796



Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
				135	6	Rowlett, part					63572
				159	6	University Park					74492
				999	9	Balance of county					99999
058	000	2				Dawson	115	6	0000		
				088	6	Lamesa					41164
				999	9	Balance of county					99999
059	000	2				Deaf Smith	117	6	0000		
				074	6	Hereford					33320
				999	9	Balance of county					99999
060	000	2		999	9	Delta	119	6	0000		
061	067	1				Denton	121	2	1920		
				029	4	Carrollton, part					13024
				035	6	Coppell, part					16612
				039	0	Dallas, part					19000

Vital Statistics Geographic Code Outline for the United States 255  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	061					Denton, con.	121	2	1920		
				043	4	Denton					19972
				055	6	Flower Mound, part					26232
				057	2	Fort Worth, part					27000
				067	5	Grapevine, part					30644
				094	5	Lewisville, part					42508
				124	3	Plano, part					58016
				156	6	The Colony					72530
				999	9	Balance of county					99999
	062	000	2	999	9	De Witt	123	6	0000		
	063	000	2	999	9	Dickens	125	6	0000		
	064	000	2	999	9	Dimmit	127	6	0000		
	065	000	2	999	9	Donley	129	6	0000		
	066	000	2	999	9	Duval	131	6	0000		
	067	000	2	999	9	Eastland	133	6	0000		
	068	203	1			Ector	135	3	5800		
				114	4	Odessa, part					53388
				999	9	Balance of county					99999
	069	000	2	999	9	Edwards	137	6	0000		
	070	067	1			Ellis	139	4	1920		
				030	6	Cedar Hill, part					13492
				052	6	Ennis					24348
				066	4	Grand Prairie, part					30464
				101	6	Mansfield, part					46452
				166	6	Waxahachie					76816
				999	9	Balance of county					99999
	071	083	1			El Paso	141	1	2320		
				051	1	El Paso					24000
				145	6	Socorro					68636
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 256  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	072	000	2			Erath		143	5	0000	
				147	6	Stephenville					70208
				999	9	Balance of county					99999
	073	000	2	999	9	Falls		145	6	0000	
	074	000	2	999	9	Fannin		147	6	0000	
	075	000	2	999	9	Fayette		149	6	0000	
	076	000	2	999	9	Fisher		151	6	0000	
	077	000	2	999	9	Floyd		153	6	0000	
	078	000	2	999	9	Foard		155	6	0000	
	079	127	1			Fort Bend		157	3	3360	
				075	0	Houston, part					35000
				108	5	Missouri City, part					48804
				130	6	Richmond					61892
				133	6	Rosenberg					63284
				148	6	Sugar Land					70808
				999	9	Balance of county					99999
	080	000	2	999	9	Franklin		159	6	0000	
	081	000	2	999	9	Freestone		161	6	0000	
	082	000	2	999	9	Frio		163	6	0000	
	083	000	2	999	9	Gaines		165	6	0000	
	084	107	1			Galveston		167	3	2920	
				059	6	Friendswood, part					27648
				062	4	Galveston					28068
				087	6	La Marque					41116
				092	5	League City, part					41980
				155	5	Texas City					72392
				999	9	Balance of county					99999
	085	000	2	999	9	Garza		169	6	0000	
	086	000	2	999	9	Gillespie		171	6	0000	
	087	000	2	999	9	Glasscock		173	6	0000	

Vital Statistics Geographic Code Outline for the United States 257  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	088	000	2	999	9	Goliad		175	6	0000	
	089	000	2	999	9	Gonzales		177	6	0000	
	090	000	2			Gray		179	6	0000	
				117	6	Pampa					54912
				999	9	Balance of county					99999
	091	263	1			Grayson		181	4	7640	
				042	6	Denison					19900
				143	5	Sherman					67496
				999	9	Balance of county					99999
	092	167	1			Gregg		183	3	4420	
				083	6	Kilgore, part					39124
				096	4	Longview, part					43888
				999	9	Balance of county					99999
	093	000	2	999	9	Grimes		185	6	0000	

Vital Statistics Geographic Code Outline for the United States 258  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	094	248	1			Guadalupe		187	4	7240	
				112	5	New Braunfels, part					50820
				141	6	Schertz, part					66128
				142	6	Seguin					66644
				999	9	Balance of county					99999
	095	000	2			Hale		189	5	0000	
				123	6	Plainview					57980
				999	9	Balance of county					99999
	096	000	2	999	9	Hall		191	6	0000	
	097	000	2	999	9	Hamilton		193	6	0000	
	098	000	2	999	9	Hansford		195	6	0000	
	099	000	2	999	9	Hardeman		197	6	0000	
	100	025	1	999	9	Hardin		199	5	0840	
	101	127	1			Harris		201	0	3360	
				013	4	Baytown, part					06128
				017	6	Bellaire					07300
				040	5	Deer Park					19624
				059	6	Friendswood, part					27648
				061	6	Galena Park					27996
				075	0	Houston, part					35000
				076	6	Humble					35348
				090	5	La Porte					41440
				092	5	League City, part					41980
				108	5	Missouri City, part					48804
				119	3	Pasadena					56000
				120	6	Pearland, part					56348
				146	6	South Houston					69020
				169	6	West University Place					77956
				999	9	Balance of county					99999
	102	167	1			Harrison		203	4	4420	

Vital Statistics Geographic Code Outline for the United States 259  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
				096	4	Longview, part					43888
				102	6	Marshall					46776
				999	9	Balance of county					99999
103	000	2	999	9		Hartley	205	6	0000		
104	000	2	999	9		Haskell	207	6	0000		
105	019	1				Hays	209	4	0640		
				140	5	San Marcos, part					65600
				999	9	Balance of county					99999
106	000	2	999	9		Hemphill	211	6	0000		
107	067	1				Henderson	213	4	1920		
				009	6	Athens					04504
				999	9	Balance of county					99999
108	175	1				Hidalgo	215	2	4880		
				045	6	Donna					20884
				049	5	Edinburg					22660
				099	4	McAllen					45384
				103	6	Mercedes					47700
				107	5	Mission					48768
				122	5	Pharr					57200
				139	6	San Juan					65516
				168	6	Weslaco					77272
				999	9	Balance of county					99999
109	000	2	999	9		Hill	217	5	0000		
110	000	2				Hockley	219	6	0000		
				093	6	Levelland					42448
				999	9	Balance of county					99999
111	103	1	999	9		Hood	221	5	2800		
112	000	2				Hopkins	223	5	0000		
				149	6	Sulphur Springs					70904
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 260  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
113	000	2	999	9		Houston	225	6	0000		
114	000	2				Howard	227	5	0000		
			020	6		Big Spring					08236
			999	9		Balance of county					99999
115	000	2	999	9		Hudspeth	229	6	0000		
116	067	1				Hunt	231	4	1920		
			068	6		Greenville					30920
			999	9		Balance of county					99999
117	000	2				Hutchinson	233	5	0000		
			021	6		Borger					09556
			999	9		Balance of county					99999
118	000	2	999	9		Irion	235	6	0000		
119	000	2	999	9		Jack	237	6	0000		
120	000	2	999	9		Jackson	239	6	0000		

Vital Statistics Geographic Code Outline for the United States 261  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	121	000	2	999	9	Jasper		241	5	0000	
	122	000	2	999	9	Jeff Davis		243	6	0000	
	123	025	1			Jefferson		245	3	0840	
				014	3	Beaumont					07000
				069	6	Groves					31328
				111	6	Nederland					50580
				125	4	Port Arthur					58820
				128	6	Port Neches					58940
				999	9	Balance of county					99999
	124	000	2	999	9	Jim Hogg		247	6	0000	
	125	000	2			Jim Wells		249	5	0000	
				002	6	Alice					01852
				999	9	Balance of county					99999
	126	103	1			Johnson		251	4	2800	
				027	6	Burleson, part					11428
				031	6	Cleburne					15364
				101	6	Mansfield, part					46452
				999	9	Balance of county					99999
	127	000	2			Jones		253	6	0000	
				001	3	Abilene, part					01000
				999	9	Balance of county					99999
	128	000	2	999	9	Karnes		255	6	0000	
	129	067	1			Kaufman		257	4	1920	
				039	0	Dallas, part					19000
				153	6	Terrell					72284
				999	9	Balance of county					99999
	130	000	2	999	9	Kendall		259	6	0000	
	131	000	2	999	9	Kenedy		261	6	0000	
	132	000	2	999	9	Kent		263	6	0000	
	133	000	2			Kerr		265	5	0000	



Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
				082	6	Kerrville					39040
				999	9	Balance of county					99999
134	000	2	999	9		Kimble	267	6	0000		
135	000	2	999	9		King	269	6	0000		
136	000	2	999	9		Kinney	271	6	0000		
137	000	2				Kleberg	273	5	0000		
				037	2	Corpus Christi, part					17000
				085	5	Kingsville					39352
				999	9	Balance of county					99999
138	000	2	999	9		Knox	275	6	0000		
139	000	2				Lamar	277	5	0000		
				118	6	Paris					55080
				999	9	Balance of county					99999
140	000	2	999	9		Lamb	279	6	0000		
141	000	2				Lampasas	281	6	0000		
				036	6	Copperas Cove, part					16624
				999	9	Balance of county					99999
142	000	2	999	9		La Salle	283	6	0000		
143	000	2	999	9		Lavaca	285	6	0000		
144	000	2	999	9		Lee	287	6	0000		
145	000	2	999	9		Leon	289	6	0000		
146	127	1	999	9		Liberty	291	4	3360		
147	000	2	999	9		Limestone	293	6	0000		
148	000	2	999	9		Lipscomb	295	6	0000		
149	000	2	999	9		Live Oak	297	6	0000		
150	000	2	999	9		Llano	299	6	0000		
151	000	2	999	9		Loving	301	6	0000		
152	170	1				Lubbock	303	3	4600		
				097	3	Lubbock					45000
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 263  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	153	000	2	999	9	Lynn		305	6	0000	
	154	000	2	999	9	McCulloch		307	6	0000	
	155	295	1			McLennan		309	3	8800	
				164	3	Waco					76000
				999	9	Balance of county					99999
	156	000	2	999	9	McMullen		311	6	0000	
	157	000	2	999	9	Madison		313	6	0000	
	158	000	2	999	9	Marion		315	6	0000	
	159	000	2			Martin		317	6	0000	
				105	4	Midland, part					48072
				999	9	Balance of county					99999
	160	000	2	999	9	Mason		319	6	0000	
	161	000	2			Matagorda		321	5	0000	
				012	6	Bay City					05984

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	161					Matagorda, con.	321	5	0000		
				999	9	Balance of county					99999
	162	000	2			Maverick	323	5	0000		
				048	6	Eagle Pass					21892
				999	9	Balance of county					99999
	163	000	2	999	9	Medina	325	5	0000		
	164	000	2	999	9	Menard	327	6	0000		
	165	203	1			Midland	329	3	5800		
				105	4	Midland, part					48072
				114	4	Odessa, part					53388
				999	9	Balance of county					99999
	166	000	2	999	9	Milam	331	6	0000		
	167	000	2	999	9	Mills	333	6	0000		
	168	000	2	999	9	Mitchell	335	6	0000		
	169	000	2	999	9	Montague	337	6	0000		
	170	127	1			Montgomery	339	3	3360		
				034	5	Conroe					16432
				075	0	Houston, part					35000
				999	9	Balance of county					99999
	171	000	2			Moore	341	6	0000		
				046	6	Dumas					21556
				999	9	Balance of county					99999
	172	000	2	999	9	Morris	343	6	0000		
	173	000	2	999	9	Motley	345	6	0000		
	174	000	2			Nacogdoches	347	4	0000		
				110	5	Nacogdoches					50256
				999	9	Balance of county					99999
	175	000	2			Navarro	349	5	0000		
				038	6	Corsicana					17060
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	176	000	2	999	9	Newton		351	6	0000	
	177	000	2			Nolan		353	6	0000	
				150	6	Sweetwater					71540
				999	9	Balance of county					99999
	178	065	1			Nueces		355	2	1880	
				037	2	Corpus Christi, part					17000
				126	6	Portland, part					58904
				131	6	Robstown					62600
				999	9	Balance of county					99999
	179	000	2	999	9	Ochiltree		357	6	0000	
	180	000	2	999	9	Oldham		359	6	0000	
	181	025	1			Orange		361	4	0840	
				115	6	Orange					54132
				163	6	Vidor					75476
				999	9	Balance of county					99999
	182	000	2			Palo Pinto		363	5	0000	
				106	6	Mineral Wells, part					48684
				999	9	Balance of county					99999
	183	000	2	999	9	Panola		365	6	0000	
	184	103	1			Parker		367	4	2800	
				106	6	Mineral Wells, part					48684
				167	6	Weatherford					76864
				999	9	Balance of county					99999
	185	000	2	999	9	Parmer		369	6	0000	
	186	000	2	999	9	Pecos		371	6	0000	
	187	000	2	999	9	Polk		373	5	0000	
	188	009	1			Potter		375	4	0320	
				005	3	Amarillo, part					03000
				999	9	Balance of county					99999
	189	000	2	999	9	Presidio		377	6	0000	
	190	000	2	999	9	Rains		379	6	0000	

Vital Statistics Geographic Code Outline for the United States 266  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	191	009	1			Randall		381	4	0320	
				005	3	Amarillo, part					03000
				028	6	Canyon					12532
				999	9	Balance of county					99999
	192	000	2	999	9	Reagan		383	6	0000	
	193	000	2	999	9	Real		385	6	0000	
	194	000	2	999	9	Red River		387	6	0000	
	195	000	2			Reeves		389	6	0000	
				121	6	Pecos					56516
				999	9	Balance of county					99999
	196	000	2	999	9	Refugio		391	6	0000	
	197	000	2	999	9	Roberts		393	6	0000	
	198	000	2	999	9	Robertson		395	6	0000	

Vital Statistics Geographic Code Outline for the United States 267  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	199	067	1			Rockwall		397	5	1920	
				039	0	Dallas, part					19000
				063	3	Garland, part					29000
				132	6	Rockwall					62828
				135	6	Rowlett, part					63572
				999	9	Balance of county					99999
	200	000	2	999	9	Runnels		399	6	0000	
	201	000	2			Rusk		401	5	0000	
				073	6	Henderson					33212
				083	6	Kilgore, part					39124
				999	9	Balance of county					99999
	202	000	2	999	9	Sabine		403	6	0000	
	203	000	2	999	9	San Augustine		405	6	0000	
	204	000	2	999	9	San Jacinto		407	6	0000	
	205	065	1			San Patricio		409	4	1880	
				037	2	Corpus Christi, part					17000
				126	6	Portland, part					58904
				999	9	Balance of county					99999
	206	000	2	999	9	San Saba		411	6	0000	
	207	000	2	999	9	Schleicher		413	6	0000	
	208	000	2			Scurry		415	6	0000	
				144	6	Snyder					68624
				999	9	Balance of county					99999
	209	000	2	999	9	Shackelford		417	6	0000	
	210	000	2	999	9	Shelby		419	6	0000	
	211	000	2	999	9	Sherman		421	6	0000	
	212	288	1			Smith		423	3	8640	
				157	4	Tyler					74144
				999	9	Balance of county					99999
	213	000	2	999	9	Somervell		425	6	0000	

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	214	000	2	999	9	Starr		427	5	0000	
	215	000	2	999	9	Stephens		429	6	0000	
	216	000	2	999	9	Sterling		431	6	0000	
	217	000	2	999	9	Stonewall		433	6	0000	
	218	000	2	999	9	Sutton		435	6	0000	
	219	000	2	999	9	Swisher		437	6	0000	
	220	103	1			Tarrant		439	0	2800	
				008	2	Arlington					04000
				015	5	Bedford					07132
				019	6	Benbrook					07552
				027	6	Burleson, part					11428
				033	6	Colleyville					15988
				053	5	Eules					24768
				055	6	Flower Mound, part					26232
				056	6	Forest Hill					26544
				057	2	Fort Worth, part					27000
				066	4	Grand Prairie, part					30464
				067	5	Grapevine, part					30644
				070	5	Haltom City					31928
				078	5	Hurst					35576
				081	6	Keller					38632
				101	6	Mansfield, part					46452
				113	5	North Richland Hills					52356
				165	6	Watauga					76672
				170	6	White Settlement					78544
				999	9	Balance of county					99999
	221	001	1			Taylor		441	3	0040	
				001	3	Abilene, part					01000
				999	9	Balance of county					99999
	222	000	2	999	9	Terrell		443	6	0000	
	223	000	2	999	9	Terry		445	6	0000	

Vital Statistics Geographic Code Outline for the United States 269  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	224	000	2	999	9	Throckmorton		447	6	0000	
	225	000	2			Titus		449	6	0000	
				109	6	Mount Pleasant					49800
				999	9	Balance of county					99999
	226	247	1			Tom Green		451	4	7200	
				136	4	San Angelo					64472
				999	9	Balance of county					99999
	227	019	1			Travis		453	1	0640	
				010	2	Austin, part					05000
				134	5	Round Rock, part					63500
				999	9	Balance of county					99999
	228	000	2	999	9	Trinity		455	6	0000	
	229	000	2	999	9	Tyler		457	6	0000	



Vital Statistics Geographic Code Outline for the United States 270  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	230	167	1	999	9	Upshur		459	5	4420	
	231	000	2	999	9	Upton		461	6	0000	
	232	000	2			Uvalde		463	6	0000	
				160	6	Uvalde					74588
				999	9	Balance of county					99999
	233	000	2			Val Verde		465	5	0000	
				041	5	Del Rio					19792
				999	9	Balance of county					99999
	234	000	2	999	9	Van Zandt		467	5	0000	
	235	292	1			Victoria		469	4	8750	
				162	4	Victoria					75428
				999	9	Balance of county					99999
	236	000	2			Walker		471	4	0000	
				077	5	Huntsville					35528
				999	9	Balance of county					99999
	237	127	1	999	9	Waller		473	6	3360	
	238	000	2	999	9	Ward		475	6	0000	
	239	000	2			Washington		477	5	0000	
				022	6	Brenham					10156
				999	9	Balance of county					99999
	240	157	1			Webb		479	3	4080	
				091	3	Laredo					41464
				999	9	Balance of county					99999
	241	000	2			Wharton		481	5	0000	
				050	6	El Campo					22864
				999	9	Balance of county					99999
	242	000	2	999	9	Wheeler		483	6	0000	
	243	302	1			Wichita		485	3	9080	
				026	6	Burkburnett					11368
				171	4	Wichita Falls, part					79000
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 271  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
44						Texas	48				
	244	000	2			Wilbarger		487	6	0000	
				161	6	Vernon					75308
				999	9	Balance of county					99999
	245	000	2	999	9	Willacy		489	6	0000	
	246	019	1			Williamson		491	3	0640	
				010	2	Austin, part					05000
				065	6	Georgetown					29336
				134	5	Round Rock, part					63500
				151	6	Taylor					71948
				999	9	Balance of county					99999
	247	248	1	999	9	Wilson		493	6	7240	
	248	000	2	999	9	Winkler		495	6	0000	
	249	000	2	999	9	Wise		497	5	0000	
	250	000	2	999	9	Wood		499	5	0000	
	251	000	2	999	9	Yoakum		501	6	0000	
	252	000	2	999	9	Young		503	6	0000	
	253	000	2	999	9	Zapata		505	6	0000	
	254	000	2	999	9	Zavala		507	6	0000	

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
45						Utah	49				
	001	000	2	999	9	Beaver		001	6	0000	
	002	000	2			Box Elder		003	5	0000	
				003	6	Brigham City					08460
				999	9	Balance of county					99999
	003	000	2			Cache		005	4	0000	
				009	5	Logan					45860
				999	9	Balance of county					99999
	004	000	2	999	9	Carbon		007	6	0000	
	005	000	2	999	9	Daggett		009	6	0000	
	006	246	1			Davis		011	3	7160	
				002	5	Bountiful					07690
				005	6	Centerville					11980
				006	6	Clearfield					13850
				007	6	Kaysville					40360
				008	5	Layton					43660
				999	9	Balance of county					99999
	007	000	2	999	9	Duchesne		013	6	0000	
	008	000	2	999	9	Emery		015	6	0000	
	009	000	2	999	9	Garfield		017	6	0000	
	010	000	2	999	9	Grand		019	6	0000	
	011	000	2			Iron		021	6	0000	
				004	6	Cedar City					11320
				999	9	Balance of county					99999
	012	000	2	999	9	Juab		023	6	0000	
	013	000	2	999	9	Kane		025	6	0000	
	014	000	2	999	9	Millard		027	6	0000	
	015	000	2	999	9	Morgan		029	6	0000	
	016	000	2	999	9	Piute		031	6	0000	
	017	000	2	999	9	Rich		033	6	0000	
	018	246	1			Salt Lake		035	1	7160	

Vital Statistics Geographic Code Outline for the United States 273  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
45						Utah	49				
				010	6	Midvale					49710
				011	5	Murray					53230
				017	6	Riverton					64340
				020	3	Salt Lake City					67000
				021	4	Sandy					67550
				022	6	South Jordan					70850
				024	6	South Salt Lake					71070
				028	5	West Jordan					82950
				029	4	West Valley City					83445
				999	9	Balance of county					99999
019	000	2	999	9	9	San Juan	037	6	0000		
020	000	2	999	9	9	Sanpete	039	6	0000		
021	000	2	999	9	9	Sevier	041	6	0000		
022	000	2	999	9	9	Summit	043	6	0000		
023	000	2				Tooele	045	5	0000		
				027	6	Tooele					76680
				999	9	Balance of county					99999
024	000	2	999	9	9	Uintah	047	6	0000		
025	222	1				Utah	049	2	6520		
				001	6	American Fork					01310
				014	4	Orem					57300
				015	6	Pleasant Grove					60930
				016	4	Provo					62470
				025	6	Spanish Fork					71290
				026	6	Springville					72280
				999	9	Balance of county					99999
026	000	2	999	9	9	Wasatch	051	6	0000		
027	000	2				Washington	053	5	0000		
				019	5	St. George					65330
				999	9	Balance of county					99999
028	000	2	999	9	9	Wayne	055	6	0000		

Vital Statistics Geographic Code Outline for the United States 274  
 Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
45						Utah	49				
	029	246	1			Weber		057	3	7160	
				012	6	North Ogden					55100
				013	4	Ogden					55980
				018	6	Roy					65110
				023	6	South Ogden					70960
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
46						Vermont	50				
	001	000	2	999	9	Addison		001	5	0000	
	002	000	2	999	9	Bennington		003	5	0000	
	003	000	2	999	9	Caledonia		005	5	0000	
	004	044	1			Chittenden		007	3	1303	
				001	5	Burlington					10675
				003	6	South Burlington					66175
				999	9	Balance of county					99999
	005	000	2	999	9	Essex		009	6	0000	
	006	044	1	999	9	Franklin		011	5	1303	
	007	044	1	999	9	Grand Isle		013	6	1303	
	008	000	2	999	9	Lamoille		015	6	0000	
	009	000	2	999	9	Orange		017	5	0000	
	010	000	2	999	9	Orleans		019	6	0000	
	011	000	2			Rutland		021	4	0000	
				002	6	Rutland					61225
				999	9	Balance of county					99999
	012	000	2	999	9	Washington		023	4	0000	
	013	000	2	999	9	Windham		025	5	0000	
	014	000	2	999	9	Windsor		027	4	0000	

Vital Statistics Geographic Code Outline for the United States 276  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
47						Virginia	51				
	001	000	2	999	9	Accomack		001	5	0000	
	002	052	1	999	9	Albemarle		003	4	1540	
	003	296	1	001	3	Alexandria city		510	3	8840	01000
	004	000	2	999	9	Alleghany		005	6	0000	
	005	000	2	999	9	Amelia		007	6	0000	
	006	171	1	999	9	Amherst		009	5	4640	
	007	000	2	999	9	Appomattox		011	6	0000	
	008	296	1	002	3	Arlington		013	3	8840	03000
	009	000	2	999	9	Augusta		015	4	0000	
	010	000	2	999	9	Bath		017	6	0000	
	011	171	1	999	9	Bedford		019	5	4640	
	012	171	1	999	9	Bedford city		515	6	4640	99999
	013	000	2	999	9	Bland		021	6	0000	
	014	234	1	999	9	Botetourt		023	6	6800	
	015	140	1	004	6	Bristol city		520	6	3660	09816
	016	000	2	999	9	Brunswick		025	6	0000	
	017	000	2	999	9	Buchanan		027	5	0000	
	018	000	2	999	9	Buckingham		029	6	0000	
	019	000	2	999	9	Buena Vista city		530	6	0000	99999
	020	171	1	999	9	Campbell		031	5	4640	
	021	000	2	999	9	Caroline		033	6	0000	
	022	000	2	999	9	Carroll		035	5	0000	
	023	232	1	999	9	Charles City		036	6	6760	
	024	000	2	999	9	Charlotte		037	6	0000	
	025	052	1	005	5	Charlottesville city		540	5	1540	14968
	026	200	1	006	3	Chesapeake city		550	3	5720	16000
	027	232	1	999	9	Chesterfield		041	3	6760	
	028	296	1	999	9	Clarke		043	6	8840	
	029	000	2	999	9	Clifton Forge city		560	6	0000	99999
	030	232	1	008	6	Colonial Heights city		570	6	6760	18448

Vital Statistics Geographic Code Outline for the United States 277  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
47						Virginia	51				
	031	000	2	999	9	Covington city		580	6	0000	99999
	032	000	2	999	9	Craig		045	6	0000	
	033	296	1	999	9	Culpeper		047	5	8840	
	034	000	2	999	9	Cumberland		049	6	0000	
	035	068	1	009	4	Danville city		590	4	1950	21344
	036	000	2	999	9	Dickenson		051	6	0000	
	037	232	1	999	9	Dinwiddie		053	6	6760	
	038	000	2	999	9	Emporia city		595	6	0000	99999
	039	000	2	999	9	Essex		057	6	0000	
	040	296	1			Fairfax		059	1	8840	
				015	6	Herndon					36648
				032	6	Vienna					81072
				999	9	Balance of county					99999
	041	296	1	010	6	Fairfax city		600	6	8840	26496
	042	296	1	999	9	Falls Church city		610	6	8840	99999
	043	296	1	999	9	Fauquier		061	5	8840	
	044	000	2	999	9	Floyd		063	6	0000	
	045	052	1	999	9	Fluvanna		065	6	1540	
	046	000	2	999	9	Franklin		067	5	0000	
	047	000	2	999	9	Franklin city		620	6	0000	99999
	048	000	2	999	9	Frederick		069	5	0000	
	049	296	1	011	6	Fredericksburg city		630	6	8840	29744
	050	000	2	999	9	Galax city		640	6	0000	99999
	051	000	2	999	9	Giles		071	6	0000	
	052	200	1	999	9	Gloucester		073	5	5720	
	053	232	1	999	9	Goochland		075	6	6760	
	054	000	2	999	9	Grayson		077	6	0000	
	055	052	1	999	9	Greene		079	6	1540	
	056	000	2	999	9	Greensville		081	6	0000	
	057	000	2	999	9	Halifax		083	5	0000	



Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
47						Virginia	51				
	057	000	2	999	9	South Boston city		083	5	0000	99999
	058	200	1	013	3	Hampton city		650	3	5720	35000
	059	232	1	999	9	Hanover		085	4	6760	
	060	000	2	014	5	Harrisonburg city		660	5	0000	35624
	061	232	1	999	9	Henrico		087	3	6760	
	062	000	2	999	9	Henry		089	4	0000	
	063	000	2	999	9	Highland		091	6	0000	
	064	232	1	016	6	Hopewell city		670	6	6760	38424
	065	200	1	999	9	Isle of Wight		093	5	5720	
	066	200	1	999	9	James City		095	5	5720	
	067	000	2	999	9	King and Queen		097	6	0000	
	068	296	1	999	9	King George		099	6	8840	
	069	000	2	999	9	King William		101	6	0000	
	070	000	2	999	9	Lancaster		103	6	0000	

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
47						Virginia	51				
	071	000	2	999	9	Lee		105	6	0000	
	072	000	2	999	9	Lexington city		678	6	0000	99999
	073	296	1			Loudoun		107	4	8840	
				017	6	Leesburg					44984
				999	9	Balance of county					99999
	074	000	2	999	9	Louisa		109	6	0000	
	075	000	2	999	9	Lunenburg		111	6	0000	
	076	171	1	018	4	Lynchburg city		680	4	4640	47672
	077	000	2	999	9	Madison		113	6	0000	
	078	296	1	019	5	Manassas city		683	5	8840	48952
	079	296	1	999	9	Manassas Park city		685	6	8840	99999
	080	000	2	020	6	Martinsville city		690	6	0000	49784
	081	200	1	999	9	Mathews		115	6	5720	
	082	000	2	999	9	Mecklenburg		117	5	0000	
	083	000	2	999	9	Middlesex		119	6	0000	
	084	000	2			Montgomery		121	4	0000	
				003	5	Blacksburg					07784
				007	6	Christiansburg					16608
				999	9	Balance of county					99999
	085	000	2	999	9	Nelson		125	6	0000	
	086	232	1	999	9	New Kent		127	6	6760	
	087	200	1	021	3	Newport News city		700	3	5720	56000
	088	200	1	022	2	Norfolk city		710	2	5720	57000
	089	000	2	999	9	Northampton		131	6	0000	
	090	000	2	999	9	Northumberland		133	6	0000	
	091	000	2	999	9	Norton city		720	6	0000	99999
	092	000	2	999	9	Nottoway		135	6	0000	
	093	000	2	999	9	Orange		137	6	0000	
	094	000	2	999	9	Page		139	6	0000	
	095	000	2	999	9	Patrick		141	6	0000	

Vital Statistics Geographic Code Outline for the United States 280  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
47						Virginia	51				
	096	232	1	023	5	Petersburg city		730	5	6760	61832
	097	068	1	999	9	Pittsylvania		143	4	1950	
	098	200	1	024	6	Poquoson city		735	6	5720	63768
	099	200	1	025	3	Portsmouth city		740	3	5720	64000
	100	232	1	999	9	Powhatan		145	6	6760	
	101	000	2	999	9	Prince Edward		147	6	0000	
	102	232	1	999	9	Prince George		149	5	6760	
	103	296	1	999	9	Prince William		153	3	8840	
	104	000	2	999	9	Pulaski		155	5	0000	
	105	000	2	026	6	Radford city		750	6	0000	65392
	106	000	2	999	9	Rappahannock		157	6	0000	
	107	000	2	999	9	Richmond		159	6	0000	
	108	232	1	027	3	Richmond city		760	3	6760	67000
	109	234	1	999	9	Roanoke		161	4	6800	
	110	234	1	028	4	Roanoke city		770	4	6800	68000
	111	000	2	999	9	Rockbridge		163	6	0000	
	112	000	2	999	9	Rockingham		165	4	0000	
	113	000	2	999	9	Russell		167	5	0000	
	114	234	1	029	6	Salem city		775	6	6800	70000
	115	140	1	999	9	Scott		169	6	3660	
	116	000	2	999	9	Shenandoah		171	5	0000	
	117	000	2	999	9	Smyth		173	5	0000	
	118	000	2	999	9	Southampton		175	6	0000	
	120	296	1	999	9	Spotsylvania		177	4	8840	
	121	296	1	999	9	Stafford		179	4	8840	
	122	000	2	030	6	Staunton city		790	6	0000	75216
	123	200	1	031	4	Suffolk city		800	4	5720	76432
	124	000	2	999	9	Surry		181	6	0000	
	125	000	2	999	9	Sussex		183	6	0000	
	126	000	2	999	9	Tazewell		185	5	0000	

Vital Statistics Geographic Code Outline for the United States 281  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
47						Virginia	51				
	127	200	1	033	2	Virginia Beach city		810	2	5720	82000
	128	296	1			Warren		187	5	8840	
				012	6	Front Royal					29968
				999	9	Balance of county					99999
	129	140	1	999	9	Washington		191	5	3660	
	130	000	2	034	6	Waynesboro city		820	6	0000	83680
	131	000	2	999	9	Westmoreland		193	6	0000	
	132	200	1	035	6	Williamsburg city		830	6	5720	86160
	133	000	2	036	6	Winchester city		840	6	0000	86720
	134	000	2	999	9	Wise		195	5	0000	
	135	000	2	999	9	Wythe		197	5	0000	
	136	200	1	999	9	York		199	5	5720	

Vital Statistics Geographic Code Outline for the United States 282  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
48						Washington	53				
	001	000	2	999	9	Adams		001	6	0000	
	002	000	2	999	9	Asotin		003	6	0000	
	003	231	1			Benton		005	3	6740	
				014	5	Kennewick					35275
				033	5	Richland					58235
				999	9	Balance of county					99999
	004	000	2			Chelan		007	4	0000	
				041	6	Wenatchee					77105
				999	9	Balance of county					99999
	005	000	2			Clallam		009	4	0000	
				028	6	Port Angeles					55365
				999	9	Balance of county					99999
	006	220	1			Clark		011	3	6440	
				039	5	Vancouver					74060
				999	9	Balance of county					99999
	007	000	2	999	9	Columbia		013	6	0000	
	008	000	2			Cowlitz		015	4	0000	
				013	6	Kelso					35065
				018	5	Longview					40245
				999	9	Balance of county					99999
	009	000	2	999	9	Douglas		017	5	0000	
	010	000	2	999	9	Ferry		019	6	0000	
	011	231	1			Franklin		021	5	6740	
				027	6	Pasco					53545
				999	9	Balance of county					99999
	012	000	2	999	9	Garfield		023	6	0000	
	013	000	2			Grant		025	4	0000	
				022	6	Moses Lake					47245
				999	9	Balance of county					99999
	014	000	2			Grays Harbor		027	4	0000	
				001	6	Aberdeen					00100

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
48						Washington	53				
				999	9	Balance of county					99999
015	260	1				Island	029	4	7600		
				025	6	Oak Harbor					50360
				999	9	Balance of county					99999
016	000	2	999	9		Jefferson	031	6	0000		
017	260	1				King	033	0	7600		
				003	5	Auburn					03180
				004	4	Bellevue					05210
				006	6	Bothell, part					07380
				009	6	Des Moines					17635
				015	5	Kent					35415
				016	5	Kirkland					35940
				021	6	Mercer Island					45005
				031	5	Redmond					57535
				032	5	Renton					57745
				034	1	Seattle					63000
				038	6	Tukwila					72625
				999	9	Balance of county					99999
018	040	1				Kitsap	035	3	1150		
				007	5	Bremerton					07695
				999	9	Balance of county					99999
019	000	2				Kittitas	037	5	0000		
				011	6	Ellensburg					21240
				999	9	Balance of county					99999
020	000	2	999	9		Klickitat	039	6	0000		
021	000	2				Lewis	041	4	0000		
				008	6	Centralia					11160
				999	9	Balance of county					99999
022	000	2	999	9		Lincoln	043	6	0000		
023	000	2	999	9		Mason	045	5	0000		
024	000	2	999	9		Okanogan	047	5	0000		
025	000	2	999	9		Pacific	049	6	0000		

Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
48						Washington	53				
	026	000	2	999	9	Pend Oreille		051	6	0000	
	027	277	1			Pierce		053	1	8200	
				030	6	Puyallup					56695
				037	3	Tacoma					70000
				999	9	Balance of county					99999
	028	000	2	999	9	San Juan		055	6	0000	
	029	000	2			Skagit		057	4	0000	
				002	6	Anacortes					01990
				024	6	Mount Vernon					47560
				999	9	Balance of county					99999
	030	000	2	999	9	Skamania		059	6	0000	

Vital Statistics Geographic Code Outline for the United States 285  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
48						Washington	53				
	031	260	1			Snohomish	061	2	7600		
				006	6	Bothell, part					07380
				010	5	Edmonds					20750
				012	4	Everett					22640
				019	5	Lynnwood					40840
				020	6	Marysville					43955
				023	6	Mountlake Terrace					47490
				999	9	Balance of county					99999
	032	268	1			Spokane	063	2	7840		
				035	3	Spokane					67000
				999	9	Balance of county					99999
	033	000	2	999	9	Stevens	065	5	0000		
	034	205	1			Thurston	067	3	5910		
				017	6	Lacey					36745
				026	5	Olympia					51300
				999	9	Balance of county					99999
	035	000	2	999	9	Wahkiakum	069	6	0000		
	036	000	2			Walla Walla	071	5	0000		
				040	5	Walla Walla					75775
				999	9	Balance of county					99999
	037	026	1			Whatcom	073	3	0860		
				005	4	Bellingham					05280
				999	9	Balance of county					99999
	038	000	2			Whitman	075	5	0000		
				029	6	Pullman					56625
				999	9	Balance of county					99999
	039	306	1			Yakima	077	3	9260		
				036	6	Sunnyside					68750
				042	4	Yakima					80010
				999	9	Balance of county					99999



Vital Statistics Geographic Code Outline for the United States 286  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
49						West Virginia	54				
	001	000	2	999	9	Barbour		001	6	0000	
	002	296	1			Berkeley		003	4	8840	
				007	6	Martinsburg					52060
				999	9	Balance of county					99999
	003	000	2	999	9	Boone		005	5	0000	
	004	000	2	999	9	Braxton		007	6	0000	
	005	273	1			Brooke		009	5	8080	
				014	6	Weirton, part					85156
				999	9	Balance of county					99999
	006	128	1			Cabell		011	4	3400	
				006	4	Huntington, part					39460
				999	9	Balance of county					99999
	007	000	2	999	9	Calhoun		013	6	0000	
	008	000	2	999	9	Clay		015	6	0000	
	009	000	2	999	9	Doddridge		017	6	0000	
	010	000	2	999	9	Fayette		019	5	0000	
	011	000	2	999	9	Gilmer		021	6	0000	
	012	000	2	999	9	Grant		023	6	0000	
	013	000	2	999	9	Greenbrier		025	5	0000	
	014	000	2	999	9	Hampshire		027	6	0000	
	015	273	1			Hancock		029	5	8080	
				014	6	Weirton, part					85156
				999	9	Balance of county					99999
	016	000	2	999	9	Hardy		031	6	0000	
	017	000	2			Harrison		033	4	0000	
				004	6	Clarksburg					15628
				999	9	Balance of county					99999
	018	000	2	999	9	Jackson		035	5	0000	
	019	296	1	999	9	Jefferson		037	5	8840	
	020	050	1			Kanawha		039	3	1480	

Vital Statistics Geographic Code Outline for the United States 287  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
49						West Virginia	54				
				003	4	Charleston					14600
				011	6	St. Albans					71212
				012	6	South Charleston					75292
				999	9	Balance of county					99999
021	000	2	999	9		Lewis	041	6	0000		
022	000	2	999	9		Lincoln	043	6	0000		
023	000	2	999	9		Logan	045	5	0000		
024	000	2	999	9		McDowell	047	5	0000		
025	000	2				Marion	049	4	0000		
				005	6	Fairmont					26452
				999	9	Balance of county					99999
026	300	1				Marshall	051	5	9000		
				009	6	Moundsville					56020
				015	5	Wheeling, part					86452
				999	9	Balance of county					99999
027	000	2	999	9		Mason	053	5	0000		
028	000	2				Mercer	055	4	0000		
				002	6	Bluefield					08524
				999	9	Balance of county					99999
029	066	1	999	9		Mineral	057	5	1900		
030	000	2	999	9		Mingo	059	5	0000		
031	000	2				Monongalia	061	4	0000		
				008	5	Morgantown					55756
				999	9	Balance of county					99999
032	000	2	999	9		Monroe	063	6	0000		
033	000	2	999	9		Morgan	065	6	0000		
034	000	2	999	9		Nicholas	067	5	0000		
035	300	1				Ohio	069	4	9000		
				015	5	Wheeling, part					86452
				999	9	Balance of county					99999
036	000	2	999	9		Pendleton	071	6	0000		

Vital Statistics Geographic Code Outline for the United States 288  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
49						West Virginia	54				
	037	000	2	999	9	Pleasants		073	6	0000	
	038	000	2	999	9	Pocahontas		075	6	0000	
	039	000	2	999	9	Preston		077	5	0000	
	040	050	1	999	9	Putnam		079	5	1480	
	041	000	2			Raleigh		081	4	0000	
				001	6	Beckley					05332
				999	9	Balance of county					99999
	042	000	2	999	9	Randolph		083	5	0000	
	043	000	2	999	9	Ritchie		085	6	0000	
	044	000	2	999	9	Roane		087	6	0000	
	045	000	2	999	9	Summers		089	6	0000	
	046	000	2	999	9	Taylor		091	6	0000	
	047	000	2	999	9	Tucker		093	6	0000	

Vital Statistics Geographic Code Outline for the United States 289  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
49						West Virginia	54				
	048	000	2	999	9	Tyler		095	6	0000	
	049	000	2	999	9	Upshur		097	6	0000	
	050	128	1			Wayne		099	5	3400	
				006	4	Huntington, part					39460
				999	9	Balance of county					99999
	051	000	2	999	9	Webster		101	6	0000	
	052	000	2	999	9	Wetzel		103	6	0000	
	053	000	2	999	9	Wirt		105	6	0000	
	054	211	1			Wood		107	4	6020	
				010	5	Parkersburg					62140
				013	6	Vienna					83500
				999	9	Balance of county					99999
	055	000	2	999	9	Wyoming		109	5	0000	

Vital Statistics Geographic Code Outline for the United States 290  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
50						Wisconsin	55				
	001	000	2	999	9	Adams		001	6	0000	
	002	000	2	999	9	Ashland		003	6	0000	
	003	000	2	999	9	Barron		005	5	0000	
	004	000	2	999	9	Bayfield		007	6	0000	
	005	115	1			Brown		009	3	3080	
				001	6	Allouez village					01175
				003	6	Ashwaubenon village					03425
				011	6	De Pere					19775
				019	4	Green Bay					31000
				999	9	Balance of county					99999
	006	000	2	999	9	Buffalo		011	6	0000	
	007	000	2	999	9	Burnett		013	6	0000	
	008	013	1			Calumet		015	5	0460	
				002	4	Appleton, part					02375
				030	6	Menasha, part					50825
				999	9	Balance of county					99999
	009	082	1			Chippewa		017	4	2290	
				009	6	Chippewa Falls					14575
				012	4	Eau Claire, part					22300
				999	9	Balance of county					99999
	010	000	2	999	9	Clark		019	5	0000	
	011	000	2	999	9	Columbia		021	5	0000	
	012	000	2	999	9	Crawford		023	6	0000	
	013	173	1			Dane		025	2	4720	
				013	6	Fitchburg					25950
				026	3	Madison					48000
				034	6	Middleton					51575
				051	6	Sun Prairie					78600
				999	9	Balance of county					99999
	014	000	2			Dodge		027	4	0000	

Vital Statistics Geographic Code Outline for the United States 291  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
50						Wisconsin	55				
				004	6	Beaver Dam					05900
				054	6	Watertown, part					83975
				999	9	Balance of county					99999
015	000	2		999	9	Door	029	5	0000		
016	080	1				Douglas	031	5	2240		
				052	5	Superior					78700
				999	9	Balance of county					99999
017	000	2				Dunn	033	5	0000		
				032	6	Menomonie					51025
				999	9	Balance of county					99999
018	082	1				Eau Claire	035	4	2290		
				012	4	Eau Claire, part					22300
				999	9	Balance of county					99999
019	000	2		999	9	Florence	037	6	0000		
020	000	2				Fond du Lac	039	4	0000		
				014	5	Fond du Lac					26275
				999	9	Balance of county					99999
021	000	2		999	9	Forest	041	6	0000		
022	000	2		999	9	Grant	043	5	0000		
023	000	2				Green	045	5	0000		
				036	6	Monroe					53750
				999	9	Balance of county					99999
024	000	2		999	9	Green Lake	047	6	0000		
025	000	2		999	9	Iowa	049	6	0000		
026	000	2		999	9	Iron	051	6	0000		
027	000	2		999	9	Jackson	053	6	0000		
028	000	2				Jefferson	055	4	0000		
				015	6	Fort Atkinson					26675
				054	6	Watertown, part					83975
				061	6	Whitewater, part					86925
				999	9	Balance of county					99999
029	000	2		999	9	Juneau	057	6	0000		

Vital Statistics Geographic Code Outline for the United States 292  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
50						Wisconsin	55				
	030	146	1			Kenosha	059	3	3800		
				024	4	Kenosha					39225
				044	6	Pleasant Prairie village					63300
				999	9	Balance of county					99999
	031	000	2	999	9	Kewaunee	061	6	0000		
	032	150	1			La Crosse	063	4	3870		
				025	4	La Crosse					40775
				042	6	Onalaska					59925
				999	9	Balance of county					99999
	033	000	2	999	9	Lafayette	065	6	0000		
	034	000	2	999	9	Langlade	067	6	0000		
	035	000	2	999	9	Lincoln	069	5	0000		

Vital Statistics Geographic Code Outline for the United States 293  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
50						Wisconsin	55				
	036	000	2			Manitowoc		071	4	0000	
				027	5	Manitowoc					48500
				053	6	Two Rivers					81325
				999	9	Balance of county					99999
	037	298	1			Marathon		073	3	8940	
				029	6	Marshfield, part					49675
				056	5	Wausau					84475
				999	9	Balance of county					99999
	038	000	2			Marinette		075	5	0000	
				028	6	Marinette					49300
				999	9	Balance of county					99999
	039	000	2	999	9	Marquette		077	6	0000	
	040	000	2	999	9	Menominee		078	6	0000	
	041	182	1			Milwaukee		079	1	5080	
				007	6	Brown Deer village					10375
				010	6	Cudahy					17975
				016	6	Franklin					27300
				018	6	Glendale					29400
				020	6	Greendale village					31125
				021	5	Greenfield					31175
				035	1	Milwaukee, part					53000
				040	6	Oak Creek					58800
				048	6	Shorewood village					73725
				049	6	South Milwaukee					75125
				057	5	Wauwatosa					84675
				058	4	West Allis					85300
				060	6	Whitefish Bay village					86700
				999	9	Balance of county					99999
	042	000	2	999	9	Monroe		081	5	0000	
	043	000	2	999	9	Oconto		083	5	0000	



Vital Statistics Geographic Code Outline for the United States  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
50						Wisconsin	55				
	044	000	2	999	9	Oneida		085	5	0000	
	045	013	1			Outagamie		087	3	0460	
				002	4	Appleton, part					02375
				023	6	Kaukauna					38800
				999	9	Balance of county					99999
	046	182	1			Ozaukee		089	4	5080	
				008	6	Cedarburg					13375
				033	6	Mequon					51150
				999	9	Balance of county					99999
	047	000	2	999	9	Pepin		091	6	0000	
	048	183	1			Pierce		093	5	5120	
				046	6	River Falls, part					68275
				999	9	Balance of county					99999
	049	000	2	999	9	Polk		095	5	0000	
	050	000	2			Portage		097	4	0000	
				050	6	Stevens Point					77200
				999	9	Balance of county					99999
	051	000	2	999	9	Price		099	6	0000	
	052	225	1			Racine		101	3	6600	
				045	4	Racine					66000
				999	9	Balance of county					99999
	053	000	2	999	9	Richland		103	6	0000	
	054	138	1			Rock		105	3	3620	
				005	5	Beloit					06500
				022	4	Janesville					37825
				999	9	Balance of county					99999
	055	000	2	999	9	Rusk		107	6	0000	
	056	183	1			St. Croix		109	4	5120	
				046	6	River Falls, part					68275
				999	9	Balance of county					99999
	057	000	2	999	9	Sauk		111	5	0000	

Vital Statistics Geographic Code Outline for the United States 295  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
50						Wisconsin	55				
	058	000	2	999	9	Sawyer		113	6	0000	
	059	000	2	999	9	Shawano		115	5	0000	
	060	262	1			Sheboygan		117	3	7620	
				047	5	Sheboygan					72975
				999	9	Balance of county					99999
	061	000	2	999	9	Taylor		119	6	0000	
	062	000	2	999	9	Trempealeau		121	5	0000	
	063	000	2	999	9	Vernon		123	5	0000	
	064	000	2	999	9	Vilas		125	6	0000	
	065	000	2			Walworth		127	4	0000	
				061	6	Whitewater, part					86925
				999	9	Balance of county					99999
	066	000	2	999	9	Washburn		129	6	0000	

Vital Statistics Geographic Code Outline for the United States 296  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
50						Wisconsin	55				
	067	182	1			Washington		131	4	5080	
				017	6	Germantown village					28875
				035	1	Milwaukee, part					53000
				059	6	West Bend					85350
				999	9	Balance of county					99999
	068	182	1			Waukesha		133	2	5080	
				006	5	Brookfield					10025
				031	5	Menomonee Falls village					51000
				035	1	Milwaukee, part					53000
				037	6	Muskego					55275
				039	5	New Berlin					56375
				041	6	Oconomowoc					59250
				055	4	Waukesha					84250
				999	9	Balance of county					99999
	069	000	2	999	9	Waupaca		135	5	0000	
	070	000	2	999	9	Waushara		137	6	0000	
	071	013	1			Winnebago		139	3	0460	
				002	4	Appleton, part					02375
				030	6	Menasha, part					50825
				038	6	Neenah					55750
				043	4	Oshkosh					60500
				999	9	Balance of county					99999
	072	000	2			Wood		141	4	0000	
				029	6	Marshfield, part					49675
				062	6	Wisconsin Rapids					88200
				999	9	Balance of county					99999

Vital Statistics Geographic Code Outline for the United States 297  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
51						Wyoming	56				
	001	000	2			Albany		001	5	0000	
				006	5	Laramie					45050
				999	9	Balance of county					99999
	002	000	2	999	9	Big Horn		003	6	0000	
	003	000	2			Campbell		005	5	0000	
				004	6	Gillette					31855
				999	9	Balance of county					99999
	004	000	2	999	9	Carbon		007	6	0000	
	005	000	2	999	9	Converse		009	6	0000	
	006	000	2	999	9	Crook		011	6	0000	
	007	000	2	999	9	Fremont		013	5	0000	
	008	000	2	999	9	Goshen		015	6	0000	
	009	000	2	999	9	Hot Springs		017	6	0000	
	010	000	2	999	9	Johnson		019	6	0000	
	011	054	1			Laramie		021	4	1580	
				002	4	Cheyenne					13900
				999	9	Balance of county					99999
	012	000	2	999	9	Lincoln		023	6	0000	
	013	046	1			Natrona		025	4	1350	
				001	5	Casper					13150
				999	9	Balance of county					99999
	014	000	2	999	9	Niobrara		027	6	0000	
	015	000	2	999	9	Park		029	6	0000	
	016	000	2	999	9	Platte		031	6	0000	
	017	000	2			Sheridan		033	6	0000	
				008	6	Sheridan					69845
				999	9	Balance of county					99999
	018	000	2	999	9	Sublette		035	6	0000	
	019	000	2			Sweetwater		037	5	0000	
				005	6	Green River					33740
				007	6	Rock Springs					67235

Vital Statistics Geographic Code Outline for the United States 298  
Effective with 1999 Data

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
51						Wyoming	56				
			999	9		Balance of county					99999
020	000	2	999	9		Teton	039	6	0000		
021	000	2				Uinta	041	6	0000		
			003	6		Evanston					25620
			999	9		Balance of county					99999
022	000	2	999	9		Washakie	043	6	0000		
023	000	2	999	9		Weston	045	6	0000		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
52	ZZZ	ZZZ	Z	ZZZ	Z	Puerto Rico	00	000	Z	0000	
53	ZZZ	ZZZ	Z	ZZZ	Z	Virgin Islands	00	000	Z	0000	
54	ZZZ	ZZZ	Z	ZZZ	Z	Guam	00	000	Z	0000	
55	ZZZ	ZZZ	Z	ZZZ	Z	Canada	00	000	Z	0000	
56	ZZZ	ZZZ	Z	ZZZ	Z	Cuba	00	000	Z	0000	
57	ZZZ	ZZZ	Z	ZZZ	Z	Mexico	00	000	Z	0000	
59	ZZZ	ZZZ	Z	ZZZ	Z	Remainder of World	00	000	Z	0000	
61	ZZZ	ZZZ	Z	ZZZ	Z	American Samoa	00	000	Z	0000	
62	ZZZ	ZZZ	Z	ZZZ	Z	Northern Marianas	00	000	Z	0000	

**Vital Statistics Geographic Code Outline for Puerto Rico, Virgin Islands, Guam, American Samoa and Northern Marianas**

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 Puerto Rico, Virgin Islands, Guam, American Samoa or Northern Marianas. When an event occurs to a nonresident of these areas, residence data are coded only to the "State" level; each U.S. state, 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. Codes are effective with the 1998 data year and are based on results of the 1990 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:

**Puerto Rico:**

State (St): Puerto Rico has its own unique code. In addition, several unique codes are used to identify nonresidents of Puerto Rico.

County (Cnty): Each municipio (county equivalent) is numbered alphabetically.

P/MSA: Primary metropolitan statistical areas and metropolitan statistical areas are those established by the U.S. Office of Management and Budget (OMB) using 1990 Census population counts.

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

City or Place: No city/places in Puerto Rico are identified.

Name: Puerto Rico and each municipio are listed along with their respective codes. In addition, places used to identify nonresidents of Puerto Rico are also listed along with their codes.

FIPS: For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications.

**Virgin Islands:**

State (St): The Virgin Islands has its own unique code. In addition, several unique codes are used to identify nonresidents of the V.I.

County (Cnty): Several Islands (county equivalent) are numbered alphabetically.

P/MSA: None are identified in the Virgin Islands.

M/NM: No metropolitan areas are identified for the Virgin Islands.

City or Place: City/places are numbered alphabetically and identify each city with a population of 10,000 or more in 1990.

P/S: Population size code for city of residence based on the 1990 Census. Refer to the code outline given earlier in this document for specific codes and meanings.

Name: The Virgin Islands as a whole and several islands are listed along with their respective codes. In addition, places used to identify nonresidents of the V.I. are also listed along with their codes.

Vital Statistics Geographic Code Outline for Puerto Rico,  
Virgin Islands, Guam, American Samoa and Northern Marianas- Con.

**Guam:**

State (St): Guam has its own unique code. In addition, several unique codes are used to identify nonresidents of Guam.

County (Cnty): None are identified in Guam.

P/MSA: None are identified in Guam.

M/NM: No metropolitan areas are identified for Guam.

City or Place: None are identified in Guam.

P/S: No population size groups are identified for Guam.

Name: Guam as a whole is listed along with its respective code. In addition, places used to identify nonresidents of Guam are also listed along with their codes.

**American Samoa:**

State (St): American Samoa has its own unique code. In addition, several unique codes are used to identify nonresidents of American Samoa.

County (Cnty): None are identified in American Samoa.

P/MSA: None are identified in American Samoa.

M/NM: No metropolitan areas are identified for American Samoa.

City or Place: None are identified in American Samoa.

P/S: No population size groups are identified for American Samoa.

Name: American Samoa as a whole is listed along with its respective code. In addition, places used to identify nonresidents of American Samoa are also listed along with their codes.

**Northern Marianas:**

State (St): Northern Marianas has its own unique code. In addition, several unique codes are used to identify nonresidents of Northern Marianas

County (Cnty): None are identified in Northern Marianas.

P/MSA: None are identified in Northern Marianas.

M/NM: No metropolitan areas are identified for Northern Marianas.

City or Place: None are identified in Northern Marianas.

P/S: No population size groups are identified for Northern Marianas.

Name: Northern Marianas as a whole is listed along with its respective code. In addition, places used to identify nonresidents of Northern Marianas are also listed along with their codes.



List of Primary Metropolitan Statistical Areas  
and their Component Counties  
For the United States and Puerto Rico

Vital Statistics Geographic Code Outline For Puerto Rico,  
 Virgin Islands, Guam, American Samoa and Northern Marianas  
 Effective with 1999 Data

Vital Statistics Codes					Area Names	FIPS Codes			
St	Cnty	P/MSA	M/NM	City		St	Cnty	P/MSA	Place
01	000	999	9	000	Alabama	01	000	0000	00000
02	000	999	9	000	Alaska	02	000	0000	00000
03	000	999	9	000	Arizona	04	000	0000	00000
04	000	999	9	000	Arkansas	05	000	0000	00000
05	000	999	9	000	California	06	000	0000	00000
06	000	999	9	000	Colorado	08	000	0000	00000
07	000	999	9	000	Connecticut	09	000	0000	00000
08	000	999	9	000	Delaware	10	000	0000	00000
09	000	999	9	000	District of Columbia	11	000	0000	00000
10	000	999	9	000	Florida	12	000	0000	00000
11	000	999	9	000	Georgia	13	000	0000	00000
12	000	999	9	000	Hawaii	15	000	0000	00000
13	000	999	9	000	Idaho	16	000	0000	00000
14	000	999	9	000	Illinois	17	000	0000	00000
15	000	999	9	000	Indiana	18	000	0000	00000
16	000	999	9	000	Iowa	19	000	0000	00000
17	000	999	9	000	Kansas	20	000	0000	00000
18	000	999	9	000	Kentucky	21	000	0000	00000
19	000	999	9	000	Louisiana	22	000	0000	00000
20	000	999	9	000	Maine	23	000	0000	00000
21	000	999	9	000	Maryland	24	000	0000	00000
22	000	999	9	000	Massachusetts	25	000	0000	00000
23	000	999	9	000	Michigan	26	000	0000	00000
24	000	999	9	000	Minnesota	27	000	0000	00000
25	000	999	9	000	Mississippi	28	000	0000	00000
26	000	999	9	000	Missouri	29	000	0000	00000
27	000	999	9	000	Montana	30	000	0000	00000
28	000	999	9	000	Nebraska	31	000	0000	00000
29	000	999	9	000	Nevada	32	000	0000	00000
30	000	999	9	000	New Hampshire	33	000	0000	00000
31	000	999	9	000	New Jersey	34	000	0000	00000
32	000	999	9	000	New Mexico	35	000	0000	00000
33	000	999	9	000	New York	36	000	0000	00000
34	000	999	9	000	North Carolina	37	000	0000	00000
35	000	999	9	000	North Dakota	38	000	0000	00000
36	000	999	9	000	Ohio	39	000	0000	00000

Vital Statistics Codes					FIPS Codes				
St	Cnty	P/MSA	M/NM	City	Area Names	St	Cnty	P/MSA	Place
37	000	999	9	000	Oklahoma	40	000	0000	00000
38	000	999	9	000	Oregon	41	000	0000	00000
39	000	999	9	000	Pennsylvania	42	000	0000	00000
40	000	999	9	000	Rhode Island	44	000	0000	00000
41	000	999	9	000	South Carolina	45	000	0000	00000
42	000	999	9	000	South Dakota	46	000	0000	00000
43	000	999	9	000	Tennessee	47	000	0000	00000
44	000	999	9	000	Texas	48	000	0000	00000
45	000	999	9	000	Utah	49	000	0000	00000
46	000	999	9	000	Vermont	50	000	0000	00000
47	000	999	9	000	Virginia	51	000	0000	00000
48	000	999	9	000	Washington	53	000	0000	00000
49	000	999	9	000	West Virginia	54	000	0000	00000
50	000	999	9	000	Wisconsin	55	000	0000	00000
51	000	999	9	000	Wyoming	56	000	0000	00000

Vital Statistics Codes					FIPS Codes				
St	Cnty	P/MSA	M/NM	City	Area Names	St	Cnty	P/MSA	Place
52					Puerto Rico	72			
	001	000	2	999	Adjuntas	001		0000	
	002	001	1	999	Aguada	003		0060	
	003	001	1	999	Aguadilla	005		0060	
	004	006	1	999	Aguas Buenas	007		7440	
	005	000	2	999	Aibonito	009		0000	
	006	004	1	999	Anasco	011		4840	
	007	002	1	999	Arecibo	013		0470	
	008	000	2	999	Arroyo	015		0000	
	009	006	1	999	Barceloneta	017		7440	
	010	000	2	999	Barranquitas	019		0000	
	011	006	1	999	Bayamon	021		7440	
	012	004	1	999	Cabo Rojo	023		4840	
	013	003	1	999	Caguas	025		1310	
	014	002	1	999	Camuy	027		0470	
	015	006	1	999	Canovanas	029		7440	
	016	006	1	999	Carolina	031		7440	
	017	006	1	999	Catano	033		7440	
	018	003	1	999	Cayey	035		1310	
	019	006	1	999	Ceiba	037		7440	
	020	000	2	999	Ciales	039		0000	
	021	003	1	999	Cidra	041		1310	
	022	000	2	999	Coamo	043		0000	
	023	006	1	999	Comerio	045		7440	
	024	006	1	999	Corozal	047		7440	
	025	000	2	999	Culebra	049		0000	
	026	006	1	999	Dorado	051		7440	
	027	006	1	999	Fajardo	053		7440	
	028	006	1	999	Florida	054		7440	
	029	000	2	999	Guanica	055		0000	
	030	000	2	999	Guayama	057		0000	
	031	005	1	999	Guayanilla	059		6360	

032	006	1	999	Guaynabo	061 7440
033	003	1	999	Gurabo	063 1310
034	002	1	999	Hatillo	065 0470
035	004	1	999	Hormigueros	067 4840
036	006	1	999	Humacao	069 7440
037	000	2	999	Isabela	071 0000
038	000	2	999	Jayuya	073 0000
039	005	1	999	Juana Diaz	075 6360
040	006	1	999	Juncos	077 7440
041	000	2	999	Lajas	079 0000
042	000	2	999	Lares	081 0000
043	000	2	999	Las Marias	083 0000
044	006	1	999	Las Piedras	085 7440
045	006	1	999	Loiza	087 7440
046	006	1	999	Luquillo	089 7440
047	006	1	999	Manati	091 7440
048	000	2	999	Maricao	093 0000
049	000	2	999	Maunabo	095 0000
050	004	1	999	Mayaguez	097 4840
051	001	1	999	Moca	099 0060
052	006	1	999	Morovis	101 7440
053	006	1	999	Naguabo	103 7440
054	006	1	999	Naranjito	105 7440
055	000	2	999	Orocovis	107 0000
056	000	2	999	Patillas	109 0000
057	005	1	999	Penuelas	111 6360
058	005	1	999	Ponce	113 6360
059	000	2	999	Quebradillas	115 0000
060	000	2	999	Rincon	117 0000
061	006	1	999	Rio Grande	119 7440
062	004	1	999	Sabana Grande	121 4840
063	000	2	999	Salinas	123 0000
064	004	1	999	San German	125 4840
065	006	1	999	San Juan	127 7440
066	003	1	999	San Lorenzo	129 1310
067	000	2	999	San Sebastian	131 0000
068	000	2	999	Santa Isabel	133 0000

069	006	1	999	Toa Alta	135 7440
070	006	1	999	Toa Baja	137 7440
071	006	1	999	Trujillo Alto	139 7440
072	000	2	999	Utuaado	141 0000
073	006	1	999	Vega Alta	143 7440
074	006	1	999	Vega Baja	145 7440

Vital Statistics Geographic Code Outline For Puerto Rico,  
 Virgin Islands, Guam, American Samoa and Northern Marianas  
 Effective With 1999 Data

Vital Statistics Codes					FIPS Codes				
St	Cnty	P/MSA	M/NM	City	Area Names	St	Cnty	P/MSA	Place
52					Puerto Rico	72			
	075	000	2	999	Vieques		147	0000	
	076	005	1	999	Villalba		149	6360	
	077	006	1	999	Yabucoa		151	7440	
	078	005	1	999	Yauco		153	6360	
53					Virgin Islands	78			
	001	000	2	999	St. Croix		010	0000	
	002	000	2	999	St. John		020	0000	
	003	000	2		St. Thomas		030	0000	
				001	Charlotte Amalie				99999
				999	Balance of area				99999
54					Guam	66			
	000	000	2		Guam		010	0000	
				000	Guam				99999
55	ZZZ	ZZZ	Z	ZZZ	Canada	00	000	0000	00000
56	ZZZ	ZZZ	Z	ZZZ	Cuba	00	000	0000	00000
57	ZZZ	ZZZ	Z	ZZZ	Mexico	00	000	0000	00000
59	ZZZ	ZZZ	Z	ZZZ	Remainder of World	00	000	0000	00000
61					American Samoa	60			
	000	000	2		American Samoa		000	0000	
				000	American Samoa				99999
62					Northern Marianas	69			
	000	000	2		Northern Marianas		000	0000	
				000	Northern Marianas				99999

List of Primary Metropolitan Statistical Areas  
and their Component Counties  
For the United States and Puerto Rico



Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
001			Abilene, TX, MSA	0040		
	44		Texas		48	
		221	Taylor			441
002			Akron, OH, PMSA	0080		
	36		Ohio		39	
		067	Portage			133
		077	Summit			153
003			Albany, GA, MSA	0120		
	11		Georgia		13	
		047	Dougherty			095
		088	Lee			177
004			Albany-Schenectady-Troy, NY, MSA	0160		
	33		New York		36	
		001	Albany			001
		027	Montgomery			057
		039	Rensselaer			083
		042	Saratoga			091
		043	Schenectady			093
		044	Schoharie			095
005			Albuquerque, NM, MSA	0200		
	32		New Mexico		35	
		001	Bernalillo			001
		024	Sandoval			043
		033	Valencia			061
006			Alexandria, LA, MSA	0220		
	19		Louisiana		22	
		040	Rapides			079
007			Allentown-Bethlehem-Easton, PA, MSA	0240		

39	Pennsylvania	42
013	Carbon	025
039	Lehigh	077
048	Northampton	095
008	Altoona, PA, MSA	0280
39	Pennsylvania	42
007	Blair	013
009	Amarillo, TX, MSA	0320
44	Texas	48
188	Potter	375
191	Randall	381
010	Anchorage, AK, MSA	0380
02	Alaska	02
003	Anchorage	020
011	Ann Arbor, MI, PMSA	0440
23	Michigan	26
046	Lenawee	091
047	Livingston	093
081	Washtenaw	161
012	Anniston, AL, MSA	0450
01	Alabama	01
008	Calhoun	015
013	Appleton-Oshkosh-Neenah, WI, MSA	0460
50	Wisconsin	55
008	Calumet	015
045	Outagamie	087
071	Winnebago	139
014	Asheville, NC, MSA	0480
34	North Carolina	37
011	Buncombe	021
058	Madison	115

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
015			Athens, GA, MSA	0500		
	11		Georgia		13	
		029	Clarke			059
		097	Madison			195
		108	Oconee			219
016			Atlanta, GA, MSA	0520		
	11		Georgia		13	
		007	Barrow			013
		008	Bartow			015
		022	Carroll			045
		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
		112	Pickens			227
		122	Rockdale			247
		126	Spalding			255
		147	Walton			297
017			Atlantic-Cape May, NJ, PMSA	0560		
	31		New Jersey		34	
		001	Atlantic			001

	005	Cape May	009
018		Augusta-Aiken, GA-SC, MSA	0600
	11	Georgia	13
	036	Columbia	073
	094	McDuffie	189
	121	Richmond	245
	41	South Carolina	45
	002	Aiken	003
	019	Edgefield	037
019		Austin-San Marcos, TX, MSA	0640
	44	Texas	48
	011	Bastrop	021
	028	Caldwell	055
	105	Hays	209
	227	Travis	453
	246	Williamson	491
020		Bakersfield, CA, MSA	0680
	05	California	06
	015	Kern	029
021		Baltimore, MD, PMSA	0720
	21	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
022		Bangor, ME, NECMA	0733
	20	Maine	23
	010	Penobscot	019
023		Barnstable-Yarmouth, MA, NECMA	0743
	22	Massachusetts	25
	001	Barnstable	001

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes					FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty	
024			Baton Rouge, LA, MSA	0760			
	19		Louisiana		22		
		003	Ascension			005	
		017	East Baton Rouge			033	
		032	Livingston			063	
		061	West Baton Rouge			121	
025			Beaumont-Port Arthur, TX, MSA	0840			
	44		Texas		48		
		100	Hardin			199	
		123	Jefferson			245	
		181	Orange			361	
026			Bellingham, WA, MSA	0860			
	48		Washington		53		
		037	Whatcom			073	
027			Benton Harbor, MI, MSA	0870			
	23		Michigan		26		
		011	Berrien			021	
028			Bergen-Passaic, NJ, PMSA	0875			
	31		New Jersey		34		
		002	Bergen			003	
		016	Passaic			031	
029			Billings, MT, MSA	0880			
	27		Montana		30		
		056	Yellowstone			111	
030			Biloxi-Gulfport-Pascagoula, MS, MSA	0920			
	25		Mississippi		28		
		023	Hancock			045	
		024	Harrison			047	

	030	Jackson		059
031		Binghamton, NY, MSA	0960	
	33	New York		36
	003	Broome		007
	050	Tioga		107
032		Birmingham, AL, MSA	1000	
	01	Alabama		01
	005	Blount		009
	037	Jefferson		073
	058	St. Clair		115
	059	Shelby		117
033		Bismarck, ND, MSA	1010	
	35	North Dakota		38
	008	Burleigh		015
	030	Morton		059
034		Bloomington, IN, MSA	1020	
	15	Indiana		18
	053	Monroe		105
035		Bloomington-Normal, IL, MSA	1040	
	14	Illinois		17
	057	McLean		113
036		Boise City, ID, MSA	1080	
	13	Idaho		16
	001	Ada		001
	014	Canyon		027

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
037			Boston-Worcester-Lawrence-Lowell-Brockton, MA-NH	1123		
	22		Massachusetts		25	
		003	Bristol			005
		005	Essex			009
		009	Middlesex			017
		011	Norfolk			021
		012	Plymouth			023
		013	Suffolk			025
		014	Worcester			027
	30		New Hampshire		33	
		006	Hillsborough			011
		008	Rockingham			015
		009	Strafford			017
038			Boulder-Longmont, CO, PMSA	1125		
	06		Colorado		08	
		007	Boulder			013
039			Brazoria, TX, PMSA	1145		
	44		Texas		48	
		020	Brazoria			039
040			Bremerton, WA, PMSA	1150		
	48		Washington		53	
		018	Kitsap			035
041			Brownsville-Harlingen-San Benito, TX, MSA	1240		
	44		Texas		48	
		031	Cameron			061
042			Bryan-College Station, TX, MSA	1260		
	44		Texas		48	
		021	Brazos			041

043		Buffalo-Niagara Falls, NY, MSA	1280
	33	New York	36
		014 Erie	029
		030 Niagara	063
044		Burlington, VT, NECMA	1303
	46	Vermont	50
		004 Chittenden	007
		006 Franklin	011
		007 Grand Isle	013
045		Canton-Massillon, OH, MSA	1320
	36	Ohio	39
		010 Carroll	019
		076 Stark	151
046		Casper, WY, MSA	1350
	51	Wyoming	56
		013 Natrona	025
047		Cedar Rapids, IA, MSA	1360
	16	Iowa	19
		057 Linn	113
048		Champaign-Urbana, IL, MSA	1400
	14	Illinois	17
		010 Champaign	019
049		Charleston-North Charleston, SC, MSA	1440
	41	South Carolina	45
		008 Berkeley	015
		010 Charleston	019
		018 Dorchester	035
050		Charleston, WV, MSA	1480
	49	West Virginia	54
		020 Kanawha	039
		040 Putnam	079



Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
051			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
052			Charlottesville, VA, MSA	1540		
	47		Virginia		51	
		002	Albemarle			003
		025	Charlottesville city			540
		045	Fluvanna			065
		055	Greene			079
053			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
054			Cheyenne, WY, MSA	1580		
	51		Wyoming		56	
		011	Laramie			021
055			Chicago, IL, PMSA	1600		
	14		Illinois		17	

	016	Cook	031
	019	De Kalb	037
	022	Du Page	043
	032	Grundy	063
	045	Kane	089
	047	Kendall	093
	049	Lake	097
	056	McHenry	111
	099	Will	197
056		Chico-Paradise, CA, MSA	1620
	05	California	06
	004	Butte	007
057		Cincinnati, OH-KY-IN, PMSA	1640
	15	Indiana	18
	015	Dearborn	029
	058	Ohio	115
	18	Kentucky	21
	008	Boone	015
	019	Campbell	037
	039	Gallatin	077
	041	Grant	081
	059	Kenton	117
	096	Pendleton	191
	36	Ohio	39
	008	Brown	015
	013	Clermont	025
	031	Hamilton	061
	083	Warren	165
058		Clarksville-Hopkinsville, TN-KY, MSA	1660
	18	Kentucky	21
	024	Christian	047
	43	Tennessee	47
	063	Montgomery	125

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
059			Cleveland-Lorain-Elyria, OH, PMSA	1680		
	36		Ohio		39	
		004	Ashtabula			007
		018	Cuyahoga			035
		028	Geauga			055
		043	Lake			085
		047	Lorain			093
		052	Medina			103
060			Colorado Springs, CO, MSA	1720		
	06		Colorado		08	
		021	El Paso			041
061			Columbia, MO, MSA	1740		
	26		Missouri		29	
		010	Boone			019
062			Columbia, SC, MSA	1760		
	41		South Carolina		45	
		032	Lexington			063
		040	Richland			079
063			Columbus, GA-AL, MSA	1800		
	01		Alabama		01	
		057	Russell			113
	11		Georgia		13	
		026	Chattahoochee			053
		072	Harris			145
		106	Muscogee			215
064			Columbus, OH, MSA	1840		
	36		Ohio		39	
		021	Delaware			041

	023	Fairfield	045
	025	Franklin	049
	045	Licking	089
	049	Madison	097
	065	Pickaway	129
065		Corpus Christi, TX, MSA	1880
	44	Texas	48
	178	Nueces	355
	205	San Patricio	409
066		Cumberland, MD-WV, MSA	1900
	21	Maryland	24
	001	Allegany	001
	49	West Virginia	54
	029	Mineral	057
067		Dallas, TX, PMSA	1920
	44	Texas	48
	043	Collin	085
	057	Dallas	113
	061	Denton	121
	070	Ellis	139
	107	Henderson	213
	116	Hunt	231
	129	Kaufman	257
	199	Rockwall	397
068		Danville, VA, MSA	1950
	47	Virginia	51
	035	Danville city	590
	097	Pittsylvania	143
069		Davenport-Moline-Rock Island, IA-IL, MSA	1960
	14	Illinois	17
	037	Henry	073
	081	Rock Island	161
	16	Iowa	19
	082	Scott	163

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
070			Dayton-Springfield, OH, MSA	2000		
	36		Ohio		39	
		012	Clark			023
		029	Greene			057
		055	Miami			109
		057	Montgomery			113
071			Daytona Beach, FL, MSA	2020		
	10		Florida		12	
		018	Flagler			035
		064	Volusia			127
072			Decatur, AL, MSA	2030		
	01		Alabama		01	
		040	Lawrence			079
		052	Morgan			103
073			Decatur, IL, MSA	2040		
	14		Illinois		17	
		058	Macon			115
074			Denver, CO, PMSA	2080		
	06		Colorado		08	
		001	Adams			001
		003	Arapahoe			005
		016	Denver			031
		018	Douglas			035
		030	Jefferson			059
075			Des Moines, IA, MSA	2120		
	16		Iowa		19	
		025	Dallas			049

	077	Polk	153
	091	Warren	181
076		Detroit, MI, PMSA	2160
	23	Michigan	26
	044	Lapeer	087
	050	Macomb	099
	058	Monroe	115
	063	Oakland	125
	074	St. Clair	147
	082	Wayne	163
077		Dothan, AL, MSA	2180
	01	Alabama	01
	023	Dale	045
	035	Houston	069
078		Dover, DE, MSA	2190
	08	Delaware	10
	001	Kent	001
079		Dubuque, IA, MSA	2200
	16	Iowa	19
	031	Dubuque	061
080		Duluth-Superior, MN-WI, MSA	2240
	24	Minnesota	27
	069	St. Louis	137
	50	Wisconsin	55
	016	Douglas	031
081		Dutchess County, NY, PMSA	2281
	33	New York	36
	013	Dutchess	027
082		Eau Claire, WI, MSA	2290
	50	Wisconsin	55
	009	Chippewa	017
	018	Eau Claire	035

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
083			El Paso, TX, MSA	2320		
	44		Texas		48	
		071	El Paso			141
084			Elkhart-Goshen, IN, MSA	2330		
	15		Indiana		18	
		020	Elkhart			039
085			Elmira, NY, MSA	2335		
	33		New York		36	
		007	Chemung			015
086			Enid, OK, MSA	2340		
	37		Oklahoma		40	
		024	Garfield			047
087			Erie, PA, MSA	2360		
	39		Pennsylvania		42	
		025	Erie			049
088			Eugene-Springfield, OR, MSA	2400		
	38		Oregon		41	
		020	Lane			039
089			Evansville-Henderson, IN-KY, MSA	2440		
	15		Indiana		18	
		065	Posey			129
		082	Vanderburgh			163
		087	Warrick			173
	18		Kentucky		21	
		051	Henderson			101
090			Fargo-Moorhead, ND-MN, MSA	2520		

24	Minnesota	27
014	Clay	027
35	North Dakota	38
009	Cass	017
091	Fayetteville, NC, MSA	2560
34	North Carolina	37
026	Cumberland	051
092	Fayetteville-Springdale-Rogers, AR, MSA	2580
04	Arkansas	05
004	Benton	007
072	Washington	143
093	Flint, MI, PMSA	2640
23	Michigan	26
025	Genesee	049
094	Florence, AL, MSA	2650
01	Alabama	01
017	Colbert	033
039	Lauderdale	077
095	Florence, SC, MSA	2655
41	South Carolina	45
021	Florence	041
096	Fort Collins-Loveland, CO, MSA	2670
06	Colorado	08
035	Larimer	069
097	Fort Lauderdale, FL, PMSA	2680
10	Florida	12
006	Broward	011
098	Fort Myers-Cape Coral, FL, MSA	2700
10	Florida	12
036	Lee	071



Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
099			Fort Pierce-Port St. Lucie, FL, MSA	2710		
	10		Florida		12	
		043	Martin			085
		056	St. Lucie			111
100			Fort Smith, AR-OK, MSA	2720		
	04		Arkansas		05	
		017	Crawford			033
		066	Sebastian			131
	37		Oklahoma		40	
		068	Sequoyah			135
101			Fort Walton Beach, FL, MSA	2750		
	10		Florida		12	
		046	Okaloosa			091
102			Fort Wayne, IN, MSA	2760		
	15		Indiana		18	
		001	Adams			001
		002	Allen			003
		017	De Kalb			033
		035	Huntington			069
		090	Wells			179
		092	Whitley			183
103			Fort Worth-Arlington, TX, PMSA	2800		
	44		Texas		48	
		111	Hood			221
		126	Johnson			251
		184	Parker			367
		220	Tarrant			439
104			Fresno, CA, MSA	2840		

05	California	06
010	Fresno	019
020	Madera	039
105	Gadsden, AL, MSA	2880
01	Alabama	01
028	Etowah	055
106	Gainesville, FL, MSA	2900
10	Florida	12
001	Alachua	001
107	Galveston-Texas City, TX, PMSA	2920
44	Texas	48
084	Galveston	167
108	Gary, IN, PMSA	2960
15	Indiana	18
045	Lake	089
064	Porter	127
109	Glens Falls, NY, MSA	2975
33	New York	36
053	Warren	113
054	Washington	115
110	Goldsboro, NC, MSA	2980
34	North Carolina	37
096	Wayne	191
111	Grand Forks, ND-MN, MSA	2985
24	Minnesota	27
060	Polk	119
35	North Dakota	38
018	Grand Forks	035

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
112			Grand Rapids-Muskegon-Holland, MI, MSA	3000		
	23		Michigan		26	
		003	Allegan			005
		041	Kent			081
		061	Muskegon			121
		070	Ottawa			139
113			Great Falls, MT, MSA	3040		
	27		Montana		30	
		007	Cascade			013
114			Greeley, CO, PMSA	3060		
	06		Colorado		08	
		062	Weld			123
115			Green Bay, WI, MSA	3080		
	50		Wisconsin		55	
		005	Brown			009
116			Greensboro--Winston-Salem--High Point, NC, MSA	3120		
	34		North Carolina		37	
		001	Alamance			001
		029	Davidson			057
		030	Davie			059
		034	Forsyth			067
		041	Guilford			081
		076	Randolph			151
		085	Stokes			169
		099	Yadkin			197
117			Greenville, NC, MSA	3150		
	34		North Carolina		37	
		074	Pitt			147

118		Greenville-Spartanburg-Anderson, SC, MSA	3160
	41	South Carolina	45
		004 Anderson	007
		011 Cherokee	021
		023 Greenville	045
		039 Pickens	077
		042 Spartanburg	083
119		Hagerstown, MD, PMSA	3180
	21	Maryland	24
		022 Washington	043
120		Hamilton-Middletown, OH, PMSA	3200
	36	Ohio	39
		009 Butler	017
121		Harrisburg-Lebanon-Carlisle, PA, MSA	3240
	39	Pennsylvania	42
		021 Cumberland	041
		022 Dauphin	043
		038 Lebanon	075
		050 Perry	099
122		Hartford, CT, NECMA	3283
	07	Connecticut	09
		002 Hartford	003
		004 Middlesex	007
		007 Tolland	013
123		Hattiesburg, MS, MSA	3285
	25	Mississippi	28
		018 Forrest	035
		037 Lamar	073
124		Hickory-Morganton, NC, MSA	3290
	34	North Carolina	37
		002 Alexander	003
		012 Burke	023
		014 Caldwell	027
		018 Catawba	035

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
125			Honolulu, HI, MSA	3320		
	12		Hawaii		15	
		002	Honolulu			003
126			Houma, LA, MSA	3350		
	19		Louisiana		22	
		029	Lafourche			057
		055	Terrebonne			109
127			Houston, TX, PMSA	3360		
	44		Texas		48	
		036	Chambers			071
		079	Fort Bend			157
		101	Harris			201
		146	Liberty			291
		170	Montgomery			339
		237	Waller			473
128			Huntington-Ashland, WV-KY-OH, MSA	3400		
	18		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
129			Huntsville, AL, MSA	3440		
	01		Alabama		01	
		042	Limestone			083
		045	Madison			089

130		Indianapolis, IN, MSA	3480
	15	Indiana	18
		006 Boone	011
		029 Hamilton	057
		030 Hancock	059
		032 Hendricks	063
		041 Johnson	081
		048 Madison	095
		049 Marion	097
		055 Morgan	109
		073 Shelby	145
131		Iowa City, IA, MSA	3500
	16	Iowa	19
		052 Johnson	103
132		Jackson, MI, MSA	3520
	23	Michigan	26
		038 Jackson	075
133		Jackson, MS, MSA	3560
	25	Mississippi	28
		025 Hinds	049
		045 Madison	089
		061 Rankin	121
134		Jackson, TN, MSA	3580
	43	Tennessee	47
		057 Madison	113
135		Jacksonville, FL, MSA	3600
	10	Florida	12
		010 Clay	019
		016 Duval	031
		045 Nassau	089
		055 St. Johns	109
136		Jacksonville, NC, MSA	3605
	34	North Carolina	37
		067 Onslow	133



Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
137			Jamestown, NY, MSA	3610		
	33		New York		36	
		006	Chautauqua			013
138			Janesville-Beloit, WI, MSA	3620		
	50		Wisconsin		55	
		054	Rock			105
139			Jersey City, NJ, PMSA	3640		
	31		New Jersey		34	
		009	Hudson			017
140			Johnson City-Kingsport-Bristol, TN-VA, MSA	3660		
	43		Tennessee		47	
		010	Carter			019
		037	Hawkins			073
		082	Sullivan			163
		086	Unicoi			171
		090	Washington			179
	47		Virginia		51	
		015	Bristol city			520
		115	Scott			169
		129	Washington			191
141			Johnstown, PA, MSA	3680		
	39		Pennsylvania		42	
		011	Cambria			021
		056	Somerset			111
142			Joplin, MO, MSA	3710		
	26		Missouri		29	
		049	Jasper			097
		073	Newton			145



143		Kalamazoo-Battle Creek, MI, MSA	3720
	23	Michigan	26
		013 Calhoun	025
		039 Kalamazoo	077
		080 Van Buren	159
144		Kankakee, IL, PMSA	3740
	14	Illinois	17
		046 Kankakee	091
145		Kansas City, MO-KS, MSA	3760
	17	Kansas	20
		046 Johnson	091
		052 Leavenworth	103
		061 Miami	121
		105 Wyandotte	209
	26	Missouri	29
		019 Cass	037
		024 Clay	047
		025 Clinton	049
		048 Jackson	095
		054 Lafayette	107
		083 Platte	165
		089 Ray	177
146		Kenosha, WI, PMSA	3800
	50	Wisconsin	55
		030 Kenosha	059
147		Killeen-Temple, TX, MSA	3810
	44	Texas	48
		014 Bell	027
		050 Coryell	099

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes					FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty	
148			Knoxville, TN, MSA	3840			
	43		Tennessee		47		
		001	Anderson			001	
		005	Blount			009	
		047	Knox			093	
		053	Loudon			105	
		078	Sevier			155	
		087	Union			173	
149			Kokomo, IN, MSA	3850			
	15		Indiana		18		
		034	Howard			067	
		080	Tipton			159	
150			La Crosse, WI-MN, MSA	3870			
	24		Minnesota		27		
		028	Houston			055	
	50		Wisconsin		55		
		032	La Crosse			063	
151			Lafayette, LA, MSA	3880			
	19		Louisiana		22		
		001	Acadia			001	
		028	Lafayette			055	
		049	St. Landry			097	
		050	St. Martin			099	
152			Lafayette, IN, MSA	3920			
	15		Indiana		18		
		012	Clinton			023	
		079	Tippecanoe			157	
153			Lake Charles, LA, MSA	3960			

19		Louisiana	22
	010	Calcasieu	019
154		Lakeland-Winter Haven, FL, MSA	3980
	10	Florida	12
	053	Polk	105
155		Lancaster, PA, MSA	4000
	39	Pennsylvania	42
	036	Lancaster	071
156		Lansing-East Lansing, MI, MSA	4040
	23	Michigan	26
	019	Clinton	037
	023	Eaton	045
	033	Ingham	065
157		Laredo, TX, MSA	4080
	44	Texas	48
	240	Webb	479
158		Las Cruces, NM, MSA	4100
	32	New Mexico	35
	008	Dona Ana	013
159		Las Vegas, NV-AZ, MSA	4120
	03	Arizona	04
	009	Mohave	015
	29	Nevada	32
	003	Clark	003
	013	Nye	023
160		Lawrence, KS, MSA	4150
	17	Kansas	20
	023	Douglas	045
161		Lawton, OK, MSA	4200
	37	Oklahoma	40
	016	Comanche	031

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
162			Lewiston-Auburn, ME, NECMA	4243		
	20		Maine		23	
		001	Androscoggin			001
163			Lexington, KY, MSA	4280		
	18		Kentucky		21	
		009	Bourbon			017
		025	Clark			049
		034	Fayette			067
		057	Jessamine			113
		076	Madison			151
		105	Scott			209
		120	Woodford			239
164			Lima, OH, MSA	4320		
	36		Ohio		39	
		002	Allen			003
		006	Auglaize			011
165			Lincoln, NE, MSA	4360		
	28		Nebraska		31	
		055	Lancaster			109
166			Little Rock-North Little Rock, AR, MSA	4400		
	04		Arkansas		05	
		023	Faulkner			045
		043	Lonoke			085
		060	Pulaski			119
		063	Saline			125
167			Longview-Marshall, TX, MSA	4420		
	44		Texas		48	
		092	Gregg			183

	102	Harrison	203
	230	Upshur	459
168		Los Angeles-Long Beach, CA, PMSA	4480
	05	California	06
	019	Los Angeles	037
169		Louisville, KY-IN, MSA	4520
	15	Indiana	18
	010	Clark	019
	022	Floyd	043
	031	Harrison	061
	072	Scott	143
	18	Kentucky	21
	015	Bullitt	029
	056	Jefferson	111
	093	Oldham	185
170		Lubbock, TX, MSA	4600
	44	Texas	48
	152	Lubbock	303
171		Lynchburg, VA, MSA	4640
	47	Virginia	51
	006	Amherst	009
	011	Bedford	019
	012	Bedford city	515
	020	Campbell	031
	076	Lynchburg city	680
172		Macon, GA, MSA	4680
	11	Georgia	13
	011	Bibb	021
	076	Houston	153
	084	Jones	169
	111	Peach	225
	143	Twiggs	289
173		Madison, WI, MSA	4720
	50	Wisconsin	55
	013	Dane	025



Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
174			Mansfield, OH, MSA	4800		
	36		Ohio		39	
		017	Crawford			033
		070	Richland			139
175			McAllen-Edinburg-Mission, TX, MSA	4880		
	44		Texas		48	
		108	Hidalgo			215
176			Medford-Ashland, OR, MSA	4890		
	38		Oregon		41	
		015	Jackson			029
177			Melbourne-Titusville-Palm Bay, FL, MSA	4900		
	10		Florida		12	
		005	Brevard			009
178			Memphis, TN-AR-MS, MSA	4920		
	04		Arkansas		05	
		018	Crittenden			035
	25		Mississippi		28	
		017	De Soto			033
	43		Tennessee		47	
		024	Fayette			047
		079	Shelby			157
		084	Tipton			167
179			Merced, CA, MSA	4940		
	05		California		06	
		024	Merced			047
180			Miami, FL, PMSA	5000		
	10		Florida		12	
		013	Dade			025

181		Middlesex-Somerset-Hunterdon, NJ, PMSA	5015
	31	New Jersey	34
		010 Hunterdon	019
		012 Middlesex	023
		018 Somerset	035
182		Milwaukee-Waukesha, WI, PMSA	5080
	50	Wisconsin	55
		041 Milwaukee	079
		046 Ozaukee	089
		067 Washington	131
		068 Waukesha	133
183		Minneapolis-St. Paul, MN-WI, MSA	5120
	24	Minnesota	27
		002 Anoka	003
		010 Carver	019
		013 Chisago	025
		019 Dakota	037
		027 Hennepin	053
		030 Isanti	059
		062 Ramsey	123
		070 Scott	139
		071 Sherburne	141
		082 Washington	163
		086 Wright	171
	50	Wisconsin	55
		048 Pierce	093
		056 St. Croix	109
184		Mobile, AL, MSA	5160
	01	Alabama	01
		002 Baldwin	003
		049 Mobile	097
185		Modesto, CA, MSA	5170
	05	California	06
		050 Stanislaus	099



Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
186			Monmouth-Ocean, NJ, PMSA	5190		
	31		New Jersey		34	
		013	Monmouth			025
		015	Ocean			029
187			Monroe, LA, MSA	5200		
	19		Louisiana		22	
		037	Ouachita			073
188			Montgomery, AL, MSA	5240		
	01		Alabama		01	
		001	Autauga			001
		026	Elmore			051
		051	Montgomery			101
189			Muncie, IN, MSA	5280		
	15		Indiana		18	
		018	Delaware			035
190			Myrtle Beach, SC, MSA	5330		
	41		South Carolina		45	
		026	Horry			051
191			Naples, FL, MSA	5345		
	10		Florida		12	
		011	Collier			021
192			Nashville, TN, MSA	5360		
	43		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
193		Nassau-Suffolk, NY, PMSA	5380
	33	New York	36
	028	Nassau	059
	048	Suffolk	103
194		New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT, NECMA	5483
	07	Connecticut	09
	001	Fairfield	001
	005	New Haven	009
195		New London-Norwich, CT, NECMA	5523
	07	Connecticut	09
	006	New London	011
196		New Orleans, LA, MSA	5560
	19	Louisiana	22
	026	Jefferson	051
	036	Orleans	071
	038	Plaquemines	075
	044	St. Bernard	087
	045	St. Charles	089
	047	St. James	093
	048	St. John the Baptist	095
	052	St. Tammany	103
197		New York, NY, PMSA	5600
	33	New York	36
	029	New York city	005
	038	Putnam	079
	040	Rockland	087
	056	Westchester	119

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
198			Newark, NJ, PMSA	5640		
	31		New Jersey		34	
		007	Essex			013
		014	Morris			027
		019	Sussex			037
		020	Union			039
		021	Warren			041
199			Newburgh, NY-PA, PMSA	5660		
	33		New York		36	
		034	Orange			071
	39		Pennsylvania		42	
		052	Pike			103
200			Norfolk-Virginia Beach-Newport News, VA-NC, MSA	5720		
	34		North Carolina		37	
		027	Currituck			053
	47		Virginia		51	
		026	Chesapeake city			550
		052	Gloucester			073
		058	Hampton city			650
		065	Isle of Wight			093
		066	James City			095
		081	Mathews			115
		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

201		Oakland, CA, PMSA	5775	
	05	California		06
		001 Alameda		001
		007 Contra Costa		013
202		Ocala, FL, MSA	5790	
	10	Florida		12
		042 Marion		083
203		Odessa-Midland, TX, MSA	5800	
	44	Texas		48
		068 Ector		135
		165 Midland		329
204		Oklahoma City, OK, MSA	5880	
	37	Oklahoma		40
		009 Canadian		017
		014 Cleveland		027
		042 Logan		083
		044 McClain		087
		055 Oklahoma		109
		063 Pottawatomie		125
205		Olympia, WA, PMSA	5910	
	48	Washington		53
		034 Thurston		067
206		Omaha, NE-IA, MSA	5920	
	16	Iowa		19
		078 Pottawattamie		155
	28	Nebraska		31
		013 Cass		025
		028 Douglas		055
		077 Sarpy		153
		089 Washington		177
207		Orange County, CA, PMSA	5945	
	05	California		06
		030 Orange		059

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes					FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components		P/MSA	State	Cnty
208			Orlando, FL, MSA		5960		
	10		Florida			12	
		035	Lake				069
		048	Orange				095
		049	Osceola				097
		059	Seminole				117
209			Owensboro, KY, MSA		5990		
	18		Kentucky			21	
		030	Daviness				059
210			Panama City, FL, MSA		6015		
	10		Florida			12	
		003	Bay				005
211			Parkersburg-Marietta, WV-OH, MSA		6020		
	36		Ohio			39	
		084	Washington				167
	49		West Virginia			54	
		054	Wood				107
212			Pensacola, FL, MSA		6080		
	10		Florida			12	
		017	Escambia				033
		057	Santa Rosa				113
213			Peoria-Pekin, IL, MSA		6120		
	14		Illinois			17	
		072	Peoria				143
		090	Tazewell				179
		102	Woodford				203
214			Philadelphia, PA-NJ, PMSA		6160		
	31		New Jersey			34	

	003	Burlington		005
	004	Camden		007
	008	Gloucester		015
	017	Salem		033
39		Pennsylvania	42	
	009	Bucks		017
	015	Chester		029
	023	Delaware		045
	046	Montgomery		091
	051	Philadelphia		101
215		Phoenix-Mesa, AZ, MSA	6200	
	03	Arizona		04
	008	Maricopa		013
	012	Pinal		021
216		Pine Bluff, AR, MSA	6240	
	04	Arkansas		05
	035	Jefferson		069
217		Pittsburgh, PA, MSA	6280	
	39	Pennsylvania		42
	002	Allegheny		003
	004	Beaver		007
	010	Butler		019
	026	Fayette		051
	063	Washington		125
	065	Westmoreland		129
218		Pittsfield, MA, NECMA	6323	
	22	Massachusetts		25
	002	Berkshire		003
219		Portland, ME, NECMA	6403	
	20	Maine		23
	003	Cumberland		005

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
220			Portland-Vancouver, OR-WA, PMSA	6440		
	38		Oregon		41	
		003	Clackamas			005
		005	Columbia			009
		026	Multnomah			051
		034	Washington			067
		036	Yamhill			071
	48		Washington		53	
		006	Clark			011
221			Providence-Warwick-Pawtucket, RI, NECMA	6483		
	40		Rhode Island		44	
		001	Bristol			001
		002	Kent			003
		004	Providence			007
		005	Washington			009
222			Provo-Orem, UT, MSA	6520		
	45		Utah		49	
		025	Utah			049
223			Pueblo, CO, MSA	6560		
	06		Colorado		08	
		051	Pueblo			101
224			Punta Gorda, FL, MSA	6580		
	10		Florida		12	
		008	Charlotte			015
225			Racine, WI, PMSA	6600		
	50		Wisconsin		55	
		052	Racine			101
226			Raleigh-Durham-Chapel Hill, NC, MSA	6640		

34		North Carolina	37
	019	Chatham	037
	032	Durham	063
	035	Franklin	069
	051	Johnston	101
	068	Orange	135
	092	Wake	183
227		Rapid City, SD, MSA	6660
	42	South Dakota	46
	051	Pennington	103
228		Reading, PA, MSA	6680
	39	Pennsylvania	42
	006	Berks	011
229		Redding, CA, MSA	6690
	05	California	06
	045	Shasta	089
230		Reno, NV, MSA	6720
	29	Nevada	32
	016	Washoe	031
231		Richland-Kennewick-Pasco, WA, MSA	6740
	48	Washington	53
	003	Benton	005
	011	Franklin	021



Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
232			Richmond-Petersburg, VA, MSA	6760		
	47		Virginia		51	
		023	Charles City			036
		027	Chesterfield			041
		030	Colonial Heights city			570
		037	Dinwiddie			053
		053	Goochland			075
		059	Hanover			085
		061	Henrico			087
		064	Hopewell city			670
		086	New Kent			127
		096	Petersburg city			730
		100	Powhatan			145
		102	Prince George			149
		108	Richmond city			760
233			Riverside-San Bernardino, CA, PMSA	6780		
	05		California		06	
		033	Riverside			065
		036	San Bernardino			071
234			Roanoke, VA, MSA	6800		
	47		Virginia		51	
		014	Botetourt			023
		109	Roanoke			161
		110	Roanoke city			770
		114	Salem city			775
235			Rochester, MN, MSA	6820		
	24		Minnesota		27	
		055	Olmsted			109
236			Rochester, NY, MSA	6840		

33		New York	36
	018	Genesee	037
	024	Livingston	051
	026	Monroe	055
	033	Ontario	069
	035	Orleans	073
	055	Wayne	117
237		Rockford, IL, MSA	6880
	14	Illinois	17
	004	Boone	007
	071	Ogle	141
	101	Winnebago	201
238		Rocky Mount, NC, MSA	6895
	34	North Carolina	37
	033	Edgecombe	065
	064	Nash	127
239		Sacramento, CA, PMSA	6920
	05	California	06
	009	El Dorado	017
	031	Placer	061
	034	Sacramento	067
240		Saginaw-Bay City-Midland, MI, MSA	6960
	23	Michigan	26
	009	Bay	017
	056	Midland	111
	073	Saginaw	145
241		St. Cloud, MN, MSA	6980
	24	Minnesota	27
	005	Benton	009
	073	Stearns	145
242		St. Joseph, MO, MSA	7000
	26	Missouri	29
	002	Andrew	003
	011	Buchanan	021

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes					FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components		P/MSA	State	Cnty
243			St. Louis, MO-IL, MSA		7040		
	14		Illinois			17	
		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
		057	Lincoln				113
		092	St. Charles				183
		095	St. Louis				189
		096	St. Louis city				510
		110	Warren				219
244			Salem, OR, PMSA		7080		
	38		Oregon			41	
		024	Marion				047
		027	Polk				053
245			Salinas, CA, MSA		7120		
	05		California			06	
		027	Monterey				053
246			Salt Lake City-Ogden, UT, MSA		7160		
	45		Utah			49	
		006	Davis				011
		018	Salt Lake				035
		029	Weber				057
247			San Angelo, TX, MSA		7200		
	44		Texas			48	

	226	Tom Green		451
248		San Antonio, TX, MSA	7240	
	44	Texas		48
	015	Bexar		029
	046	Comal		091
	094	Guadalupe		187
	247	Wilson		493
249		San Diego, CA, MSA	7320	
	05	California		06
	037	San Diego		073
250		San Francisco, CA, PMSA	7360	
	05	California		06
	021	Marin		041
	038	San Francisco		075
	041	San Mateo		081
251		San Jose, CA, PMSA	7400	
	05	California		06
	043	Santa Clara		085
252		San Luis Obispo-Atascadero-Paso Robles, CA, MSA	7460	
	05	California		06
	040	San Luis Obispo		079
253		Santa Barbara-Santa Maria-Lompoc, CA, MSA	7480	
	05	California		06
	042	Santa Barbara		083
254		Santa Cruz-Watsonville, CA, PMSA	7485	
	05	California		06
	044	Santa Cruz		087
255		Santa Fe, NM, MSA	7490	
	32	New Mexico		35
	016	Los Alamos		028
	027	Santa Fe		049

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
256			Santa Rosa, CA, PMSA	7500		
	05		California		06	
		049	Sonoma			097
257			Sarasota-Bradenton, FL, MSA	7510		
	10		Florida		12	
		041	Manatee			081
		058	Sarasota			115
258			Savannah, GA, MSA	7520		
	11		Georgia		13	
		015	Bryan			029
		025	Chatham			051
		051	Effingham			103
259			Scranton--Wilkes-Barre--Hazleton, PA, MSA	7560		
	39		Pennsylvania		42	
		019	Columbia			037
		035	Lackawanna			069
		040	Luzerne			079
		066	Wyoming			131
260			Seattle-Bellevue-Everett, WA, PMSA	7600		
	48		Washington		53	
		015	Island			029
		017	King			033
		031	Snohomish			061
261			Sharon, PA, MSA	7610		
	39		Pennsylvania		42	
		043	Mercer			085
262			Sheboygan, WI, MSA	7620		
	50		Wisconsin		55	

	060	Sheboygan		117
263		Sherman-Denison, TX, MSA	7640	
	44	Texas		48
	091	Grayson		181
264		Shreveport-Bossier City, LA, MSA	7680	
	19	Louisiana		22
	008	Bossier		015
	009	Caddo		017
	060	Webster		119
265		Sioux City, IA-NE, MSA	7720	
	16	Iowa		19
	097	Woodbury		193
	28	Nebraska		31
	022	Dakota		043
266		Sioux Falls, SD, MSA	7760	
	42	South Dakota		46
	041	Lincoln		083
	049	Minnehaha		099
267		South Bend, IN, MSA	7800	
	15	Indiana		18
	071	St. Joseph		141
268		Spokane, WA, MSA	7840	
	48	Washington		53
	032	Spokane		063
269		Springfield, IL, MSA	7880	
	14	Illinois		17
	065	Menard		129
	084	Sangamon		167

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
270			Springfield, MO, MSA	7920		
	26		Missouri		29	
		022	Christian			043
		039	Greene			077
		113	Webster			225
271			Springfield, MA, NECMA	8003		
	22		Massachusetts		25	
		007	Hampden			013
		008	Hampshire			015
272			State College, PA, MSA	8050		
	39		Pennsylvania		42	
		014	Centre			027
273			Steubenville-Weirton, OH-WV, MSA	8080		
	36		Ohio		39	
		041	Jefferson			081
	49		West Virginia		54	
		005	Brooke			009
		015	Hancock			029
274			Stockton-Lodi, CA, MSA	8120		
	05		California		06	
		039	San Joaquin			077
275			Sumter, SC, MSA	8140		
	41		South Carolina		45	
		043	Sumter			085
276			Syracuse, NY, MSA	8160		
	33		New York		36	
		005	Cayuga			011
		025	Madison			053

	032	Onondaga		067
	036	Oswego		075
277		Tacoma, WA, PMSA	8200	
	48	Washington		53
	027	Pierce		053
278		Tallahassee, FL, MSA	8240	
	10	Florida		12
	020	Gadsden		039
	037	Leon		073
279		Tampa-St. Petersburg-Clearwater, FL, MSA	8280	
	10	Florida		12
	027	Hernando		053
	029	Hillsborough		057
	051	Pasco		101
	052	Pinellas		103
280		Terre Haute, IN, MSA	8320	
	15	Indiana		18
	011	Clay		021
	083	Vermillion		165
	084	Vigo		167
281		Texarkana, TX-Texarkana, AR, MSA	8360	
	04	Arkansas		05
	046	Miller		091
	44	Texas		48
	019	Bowie		037
282		Toledo, OH, MSA	8400	
	36	Ohio		39
	026	Fulton		051
	048	Lucas		095
	087	Wood		173
283		Topeka, KS, MSA	8440	
	17	Kansas		20
	089	Shawnee		177



Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
284			Trenton, NJ, PMSA	8480		
	31		New Jersey		34	
		011	Mercer			021
285			Tucson, AZ, MSA	8520		
	03		Arizona		04	
		011	Pima			019
286			Tulsa, OK, MSA	8560		
	37		Oklahoma		40	
		019	Creek			037
		057	Osage			113
		066	Rogers			131
		072	Tulsa			143
		073	Wagoner			145
287			Tuscaloosa, AL, MSA	8600		
	01		Alabama		01	
		063	Tuscaloosa			125
288			Tyler, TX, MSA	8640		
	44		Texas		48	
		212	Smith			423
289			Utica-Rome, NY, MSA	8680		
	33		New York		36	
		021	Herkimer			043
		031	Oneida			065
290			Vallejo-Fairfield-Napa, CA, PMSA	8720		
	05		California		06	
		028	Napa			055
		048	Solano			095

291		Ventura, CA, PMSA	8735	
	05	California		06
		056 Ventura		111
292		Victoria, TX, MSA	8750	
	44	Texas		48
		235 Victoria		469
293		Vineland-Millville-Bridgeton, NJ, PMSA	8760	
	31	New Jersey		34
		006 Cumberland		011
294		Visalia-Tulare-Porterville, CA, MSA	8780	
	05	California		06
		054 Tulare		107
295		Waco, TX, MSA	8800	
	44	Texas		48
		155 McLennan		309

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
296			Washington, DC-MD-VA-WV, PMSA	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
		028	Clarke			043
		033	Culpeper			047
		040	Fairfax			059
		041	Fairfax city			600
		042	Falls Church city			610
		043	Fauquier			061
		049	Fredericksburg city			630
		068	King George			099
		073	Loudoun			107
		078	Manassas city			683
		079	Manassas Park city			685
		103	Prince William			153
		120	Spotsylvania			177
		121	Stafford			179
		128	Warren			187
	49		West Virginia		54	
		002	Berkeley			003
		019	Jefferson			037

297		Waterloo-Cedar Falls, IA, MSA	8920	
	16	Iowa		19
		007 Black Hawk		013
298		Wausau, WI, MSA	8940	
	50	Wisconsin		55
		037 Marathon		073
299		West Palm Beach-Boca Raton, FL, MSA	8960	
	10	Florida		12
		050 Palm Beach		099
300		Wheeling, WV-OH, MSA	9000	
	36	Ohio		39
		007 Belmont		013
	49	West Virginia		54
		026 Marshall		051
		035 Ohio		069
301		Wichita, KS, MSA	9040	
	17	Kansas		20
		008 Butler		015
		040 Harvey		079
		087 Sedgwick		173
302		Wichita Falls, TX, MSA	9080	
	44	Texas		48
		005 Archer		009
		243 Wichita		485
303		Williamsport, PA, MSA	9140	
	39	Pennsylvania		42
		041 Lycoming		081
304		Wilmington-Newark, DE-MD, PMSA	9160	
	08	Delaware		10
		002 New Castle		003
	21	Maryland		24
		008 Cecil		015

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
305			Wilmington, NC, MSA	9200		
	34		North Carolina		37	
		010	Brunswick			019
		065	New Hanover			129
306			Yakima, WA, MSA	9260		
	48		Washington		53	
		039	Yakima			077
307			Yolo, CA, PMSA	9270		
	05		California		06	
		057	Yolo			113
308			York, PA, MSA	9280		
	39		Pennsylvania		42	
		067	York			133
309			Youngstown-Warren, OH, MSA	9320		
	36		Ohio		39	
		015	Columbiana			029
		050	Mahoning			099
		078	Trumbull			155
310			Yuba City, CA, MSA	9340		
	05		California		06	
		051	Sutter			101
		058	Yuba			115
311			Yuma, AZ, MSA	9360		
	03		Arizona		04	
		015	Yuma			027

List of Primary Metropolitan Statistical Areas and their Component Counties  
For the United States and Puerto Rico

Primary and Metropolitan Statistical Areas Established in 1990  
Effective with 1999 and Adapted for Use by DVS  
United States  
Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
001	52		Aguadilla, PR, MSA	0060		
			Puerto Rico		72	
		002	Aguada			003
		003	Aguadilla			005
		051	Moca			099
002	52		Arecibo, PR, PMSA	0470		
			Puerto Rico		72	
		007	Arecibo			013
		014	Camuy			027
		034	Hatillo			065
003	52		Caguas, PR, PMSA	1310		
			Puerto Rico		72	
		013	Caguas			025
		018	Cayey			035
		021	Cidra			041
		033	Gurabo			063
		066	San Lorenzo			129
004	52		Mauaguez, PR, MSA	4840		
			Puerto Rico		72	
		006	Anasco			011
		012	Cabo Rojo			023
		035	Hormigueros			067
		050	Mayaguez			097
		062	Sabana Grande			121
		064	San German			125
005	52		Ponce, PR, MSA	6360		
			Puerto Rico		72	
		031	Guayanilla			059
		039	Juana Diaz			075
		057	Penuelas			111
		058	Ponce			113
		076	Villalba			149
		078	Yauco	153		

List of Primary Metropolitan Statistical Areas and their Component Counties  
For the United States and Puerto Rico

Primary and Metropolitan Statistical Areas Established in 1990 Page 29

Effective with 1999 and Adapted for Use by DVS

United States

Puerto Rico

Vital Statistics Codes

FIPS Codes

P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
006			San Juan-Bayamon, PR, PMSA	7440		
	52		Puerto Rico		72	
		004	Aguas Buenas			007
		009	Barceloneta			017
		011	Bayamon			021
		015	Canovanas			029
		016	Carolina			031
		017	Catano			033
		019	Ceiba			037
		023	Comerio			045
		024	Corozal			047
		026	Dorado			051
		027	Fajardo			053
		028	Florida			054
		032	Guaynabo			061
		036	Humacao			069
		040	Juncos			077
		044	Las Piedras			085
		045	Loiza			087
		046	Luquillo			089
		047	Manati			091
		052	Morovis			101
		053	Naguabo			103
		054	Naranjito			105
		061	Rio Grande			119
		065	San Juan			127
		069	Toa Alta			135
		070	Toa Baja			137
		071	Trujillo Alto			139
		073	Vega Alta			143
		074	Vega Baja			145
		077	Yabucoa			151

- 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
A000	-	-	-	-	A069	-	-	-	-	A209	-	-	-	-
A001	-	-	-	-	A070	-	-	-	-	A210	-	-	-	-
A009	1	1	-	1	A071	-	2	2	2	A211	-	-	-	-
A010	-	1	1	1	A072	-	12	12	12	A212	-	-	-	-
A011	-	-	-	-	A073	1	38	37	38	A213	-	-	-	-
A012	-	-	-	-	A078	-	1	1	1	A217	1	1	-	-
A013	-	-	-	-	A079	-	-	-	-	A218	-	-	-	-
A014	-	-	-	-	A080	7	10	3	10	A219	-	-	-	1
A020	13	27	14	27	A081	-	-	-	-	A220	-	-	-	-
A021	23	34	14	33	A082	2	2	-	2	A221	-	-	-	-
A022	1	1	-	-	A083	3	5	2	5	A222	-	-	-	-
A028	-	-	-	-	A084	103	144	41	144	A227	-	-	-	-
A029	1	6	5	8	A085	2	7	5	7	A228	-	-	-	-
A030	-	1	1	1	A09	96	207	111	207	A229	-	-	-	-
A031	-	-	-	-	A162	467	708	309	711	A230	-	-	-	-
A032	-	-	-	-	A163	-	1	1	1	A231	-	-	-	-
A033	-	-	-	-	A164	4	3	-	2	A232	-	-	-	-
A038	-	-	-	-	A165	11	18	10	15	A233	-	-	-	-
A039	6	9	3	9	A167	1	3	2	3	A238	-	-	-	-
A040	-	-	-	-	A168	-	-	-	-	A239	-	1	1	1
A041	1	1	-	1	A169	281	855	575	978	A240	-	-	-	-
A042	-	-	-	-	A170	24	39	18	46	A241	-	-	-	-
A043	-	-	-	-	A171	-	-	-	-	A242	-	-	-	-
A044	6	8	2	8	A178	3	12	9	13	A243	-	-	-	-
A045	-	1	1	1	A179	-	-	-	-	A244	-	-	-	-
A046	-	-	-	-	A180	49	93	44	95	A250	-	-	-	-
A047	793	1545	752	1545	A181	4	8	5	8	A251	-	-	-	-
A048	86	178	93	179	A182	-	5	5	5	A259	-	-	-	-
A049	8	13	5	13	A183	14	16	5	18	A260	-	-	-	-
A050	-	-	-	-	A184	1	2	1	2	A267	-	-	-	-
A051	4	4	-	4	A185	-	-	-	-	A268	-	-	-	-
A052	6	6	-	6	A186	-	-	-	-	A269	-	-	-	-
A053	2	2	-	2	A187	-	-	-	-	A270	-	-	-	-
A054	-	-	-	-	A188	7	10	8	10	A278	-	-	-	-
A058	-	-	-	-	A190	-	-	-	1	A279	-	-	-	-
A059	-	1	1	2	A191	-	-	-	-	A280	2	3	1	3
A060	2	3	1	3	A192	-	-	-	-	A281	-	-	-	-
A061	-	-	-	-	A198	-	-	-	-	A282	-	-	-	-
A062	-	-	-	-	A199	64	98	34	111	A288	1	3	2	3
A063	-	-	-	-	A200	-	-	-	-	A289	-	-	-	-
A064	2	3	1	3	A201	-	-	-	-	A300	-	-	-	-
A065	-	-	-	-	A202	-	-	-	-	A301	-	-	-	-
A066	-	-	-	-	A203	-	-	-	-	A302	-	-	-	-
A067	-	-	-	-	A207	1	1	-	1	A303	-	-	-	-
A068	-	-	-	-	A208	-	-	-	-	A304	-	-	-	-



- 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
A305	-	-	-	-	A415	857	3842	2988	3870	A519	-	-	-	-
A308	-	-	-	-	A418	149	659	511	664	A520	2	2	1	2
A309	2	11	9	11	A419	27386	127199	99889	128495	A521	5	18	14	18
A310	169	570	401	759	A420	5	8	4	7	A522	-	-	-	-
A311	-	1	1	1	A421	-	-	-	-	A523	11	59	48	59
A318	5	9	4	10	A422	-	-	-	-	A527	-	-	-	-
A319	45	132	88	162	A427	3	3	-	2	A528	1	3	2	3
A320	-	-	-	-	A428	-	1	1	1	A529	3	11	8	11
A321	25	38	13	38	A429	-	7	7	10	A530	2	13	11	13
A327	13	22	11	22	A430	46	72	26	58	A539	2	34	32	35
A328	1	1	-	1	A431	-	1	1	1	A540	-	-	-	-
A329	3	13	10	15	A438	4	13	9	13	A541	-	-	-	-
A33	-	-	-	-	A439	22	50	29	64	A542	1	1	-	1
A34	-	-	-	-	A440	-	-	-	-	A543	-	-	-	-
A35	7	8	1	8	A441	-	-	-	-	A544	-	-	-	-
A360	-	-	-	-	A448	-	-	-	-	A545	-	-	-	-
A361	-	-	-	-	A449	1	1	-	1	A546	-	-	-	-
A362	-	-	-	-	A46	3	8	5	8	A548	8	12	4	11
A363	-	-	-	-	A480	34	87	53	87	A549	-	1	1	2
A368	-	1	1	1	A481	78	112	34	112	A55	-	-	-	-
A369	1	1	-	1	A482	-	1	1	1	A560	-	-	-	-
A370	-	1	1	1	A483	55	73	18	73	A561	-	-	-	-
A371	-	-	-	-	A484	-	-	-	-	A562	-	-	-	-
A378	-	-	-	-	A488	11	23	12	23	A563	-	-	-	-
A379	7	13	6	13	A490	362	937	580	1136	A564	-	-	-	-
A38	2	2	-	2	A491	113	247	136	337	A568	-	-	-	-
A390	67	72	6	71	A492	6	22	16	28	A57	-	-	-	-
A391	43	48	6	49	A493	3	6	3	7	A58	-	-	-	-
A392	10	3	-	2	A498	156	452	298	593	A590	-	-	-	-
A393	-	-	-	-	A499	620	1803	1189	2279	A598	-	-	-	-
A394	104	110	6	127	A500	1	-	-	-	A599	-	-	-	-
A395	-	-	-	-	A501	1	1	-	1	A600	-	5	5	5
A398	1	3	3	3	A502	-	-	-	-	A601	-	-	-	-
A399	2	14	12	18	A503	-	-	-	-	A609	-	-	-	-
A400	32	54	22	54	A504	-	-	-	-	A630	-	5	5	5
A401	24	49	25	49	A505	2	2	-	2	A638	-	-	-	-
A402	211	835	625	843	A506	-	-	-	-	A64	5	11	6	11
A403	306	809	505	814	A507	-	-	-	-	A65	-	-	-	-
A408	27	43	17	44	A509	3	12	9	12	A660	-	-	-	-
A409	163	474	313	480	A510	-	-	-	-	A661	-	-	-	-
A410	666	2307	1642	2318	A511	-	-	-	-	A662	-	-	-	-
A411	23	87	64	90	A512	-	-	-	-	A663	-	-	-	-
A412	759	2688	1933	2702	A513	-	1	1	1	A664	-	-	-	-
A413	9	30	21	30	A514	-	-	-	-	A665	-	-	-	-
A414	68	198	131	200	A515	-	-	-	-	A666	-	-	-	-

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
A667	-	-	-	-	A810	251	264	13	264	A931	-	-	-	-
A668	-	-	-	-	A811	5	9	4	9	A932	-	-	-	-
A669	-	-	-	-	A812	34	260	226	260	A938	-	-	-	-
A670	-	-	-	-	A818	-	-	-	-	A94	-	-	-	-
A671	-	-	-	-	A819	1	1	-	1	A950	-	-	-	-
A672	-	-	-	-	A820	-	-	-	-	A951	-	-	-	-
A673	-	-	-	-	A821	-	-	-	-	A959	1	1	-	1
A679	-	-	-	-	A829	-	-	-	-	A960	-	-	-	-
A680	-	-	-	-	A830	-	-	-	-	A961	-	-	-	-
A681	-	-	-	-	A831	-	-	-	-	A962	-	-	-	-
A689	-	-	-	-	A832	-	-	-	-	A968	-	-	-	-
A690	1	3	2	3	A833	2	2	-	2	A969	-	-	-	-
A691	-	-	-	-	A834	-	-	-	-	A980	-	-	-	-
A692	7	26	19	26	A835	1	1	-	1	A981	-	-	-	-
A698	-	-	-	-	A836	-	-	-	-	A982	-	-	-	-
A699	1	1	-	1	A838	-	-	-	-	A983	-	-	-	-
A70	-	-	-	-	A839	-	-	-	-	A984	-	-	-	-
A710	-	-	-	-	A840	-	-	-	-	A985	1	1	-	1
A711	-	-	-	-	A841	-	-	-	-	A988	-	-	-	-
A719	-	-	-	-	A848	-	-	-	-	A99	-	-	-	-
A740	1	1	-	1	A849	-	-	-	-	B000	-	-	-	-
A748	1	1	-	1	A850	-	-	-	-	B001	-	3	3	3
A749	-	1	1	1	A851	-	-	-	-	B002	-	6	6	6
A750	-	-	-	-	A852	-	-	-	-	B003	1	2	1	2
A751	-	-	-	-	A858	8	9	1	9	B004	88	116	32	113
A752	-	-	-	-	A86	90	125	35	125	B005	-	3	3	3
A753	-	-	-	-	A870	-	-	-	-	B007	13	20	8	19
A759	-	-	-	-	A871	4	5	1	5	B008	11	48	37	48
A770	5	6	1	6	A872	7	12	5	12	B009	32	145	113	150
A771	-	-	-	-	A878	-	-	-	-	B010	1	1	-	-
A772	-	-	-	-	A879	26	39	13	39	B011	2	5	4	3
A773	-	-	-	-	A880	-	-	-	-	B012	19	16	2	10
A778	1	1	-	1	A881	-	-	-	-	B018	3	3	-	3
A779	-	-	-	-	A888	-	-	-	-	B019	23	50	27	59
A78	-	-	-	-	A89	11	16	5	17	B020	14	20	7	14
A790	-	-	-	-	A90	-	-	-	-	B021	3	2	-	1
A791	-	-	-	-	A91	-	-	-	-	B022	22	121	99	120
A798	1	1	-	1	A920	-	-	-	-	B023	2	8	7	8
A799	2	2	-	2	A921	-	-	-	-	B027	21	43	22	43
A800	-	-	-	-	A922	-	-	-	-	B028	5	12	7	12
A801	-	-	-	-	A923	-	-	-	-	B029	85	375	290	392
A802	-	-	-	-	A924	-	-	-	-	B03	-	-	-	-
A803	-	1	1	1	A928	-	-	-	-	B04	-	-	-	-
A804	-	-	-	-	A929	-	-	-	-	B050	-	2	2	2
A809	-	1	1	1	A930	-	-	-	-	B051	-	-	-	-

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS
B052	1	1	-	1	B211	25	15	-	-	B344	-	-	-	-
B053	-	-	-	-	B212	559	1	-	1	B348	51	76	25	76
B054	-	-	-	-	B213	71	-	-	-	B349	366	592	228	639
B058	-	-	-	-	B217	44	-	-	-	B350	-	-	-	-
B059	1	1	-	1	B218	226	-	-	-	B351	-	2	2	2
B060	-	-	-	-	B219	53	52	28	-	B352	-	-	-	-
B068	-	-	-	-	B220	213	141	94	27	B353	-	2	2	2
B069	-	-	-	-	B221	-	1	1	1	B354	-	-	-	-
B07	-	3	3	3	B222	294	465	287	38	B355	-	-	-	-
B080	-	-	-	-	B227	1101	1	-	1	B356	-	-	-	-
B081	-	2	2	2	B230	1	1	-	1	B358	-	1	1	1
B082	-	-	-	-	B231	2	3	2	-	B359	-	-	-	-
B083	-	-	-	-	B232	296	-	-	-	B360	-	-	-	-
B084	-	-	-	-	B238	3134	-	-	-	B361	-	-	-	-
B085	-	-	-	-	B24	2713	14185	11481	16053	B362	-	-	-	-
B088	-	12	12	12	B250	40	121	85	139	B363	-	-	-	-
B09	-	-	-	-	B251	1	5	4	6	B368	-	-	-	-
B150	8	8	-	-	B252	-	-	-	-	B369	2	7	5	7
B159	126	261	135	269	B258	21	155	134	209	B370	8	61	53	68
B160	-	-	-	-	B259	42	236	194	319	B371	34	86	54	85
B161	1	2	1	2	B260	-	1	1	1	B372	-	2	2	1
B162	41	49	10	1	B261	-	-	-	-	B373	-	1	1	1
B169	661	1663	1002	1711	B262	-	-	-	-	B374	16	43	27	44
B170	-	-	-	-	B263	-	-	-	-	B375	1	3	2	4
B171	3181	6928	3749	6929	B268	-	-	-	-	B376	12	15	3	15
B172	2	3	1	3	B269	1	3	2	3	B377	290	649	375	643
B178	7	13	6	15	B270	13	29	16	29	B378	68	248	183	273
B180	-	-	-	-	B271	-	-	-	-	B379	34	223	189	263
B181	129	269	140	269	B278	-	1	1	1	B380	2	8	6	8
B182	582	1008	426	1008	B279	6	10	4	10	B381	1	1	1	1
B188	-	-	-	-	B300	-	-	-	-	B382	26	43	17	41
B189	6	8	2	9	B301	-	-	-	-	B383	1	1	-	1
B190	6	6	-	-	B302	-	-	-	-	B384	10	13	3	13
B199	103	164	62	185	B303	-	-	-	-	B387	17	33	16	33
B200	205	344	215	2	B308	-	1	1	1	B388	1	3	2	3
B201	1271	-	-	-	B309	-	-	-	-	B389	24	65	41	68
B202	65	151	117	1	B330	-	-	-	-	B390	-	-	-	-
B203	642	7	2	7	B331	-	-	-	-	B391	-	-	-	-
B204	20	59	50	1	B332	53	64	11	64	B392	8	28	20	17
B205	337	1	-	1	B333	8	38	30	38	B393	-	-	-	-
B206	603	524	180	7	B338	14	16	2	16	B394	-	-	-	-
B207	1405	2	2	2	B340	11	19	8	19	B395	-	-	-	-
B208	1377	5	4	5	B341	7	9	2	9	B399	27	110	83	123
B209	6	13	10	-	B342	-	-	-	-	B400	-	-	-	-
B210	139	155	74	2	B343	2	8	6	8	B401	-	1	1	1

- 5 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
B402	11	17	6	17	B482	-	1	1	1	B651	1	1	-	-
B403	-	-	-	-	B483	-	-	-	-	B652	-	1	1	1
B407	9	13	4	13	B484	-	1	1	1	B653	-	-	-	-
B408	2	3	1	3	B487	1	3	2	3	B658	-	-	-	-
B409	24	41	17	41	B488	2	16	14	16	B659	-	-	-	1
B410	-	-	-	-	B49	659	1627	970	1718	B660	-	-	-	-
B417	-	-	-	-	B500	2	2	-	2	B661	-	-	-	-
B418	-	-	-	-	B508	-	-	-	-	B662	-	-	-	-
B419	-	-	-	-	B509	-	-	-	2	B663	-	-	-	-
B420	-	-	-	-	B510	-	-	-	-	B664	-	-	-	-
B421	-	-	-	-	B518	-	-	-	-	B665	-	-	-	-
B427	-	1	1	1	B519	-	-	-	-	B668	-	-	-	-
B428	-	-	-	-	B520	-	-	-	-	B669	-	-	-	-
B429	1	1	-	1	B528	-	-	-	-	B670	-	-	-	-
B430	-	-	-	-	B529	-	-	-	-	B671	1	1	-	1
B431	1	1	-	1	B530	-	-	-	-	B672	-	-	-	-
B432	-	-	-	-	B531	-	-	-	-	B673	-	-	-	-
B438	-	-	-	-	B538	-	-	-	-	B674	-	-	-	-
B439	-	-	-	-	B54	5	7	2	7	B675	-	-	-	-
B440	16	33	17	33	B550	-	-	-	-	B676	-	-	-	-
B441	197	552	356	472	B551	-	-	-	-	B677	-	-	-	-
B442	-	1	1	1	B552	-	-	-	-	B678	-	1	1	1
B447	20	86	66	86	B559	-	-	-	-	B679	-	-	-	-
B448	13	47	34	47	B560	-	-	-	-	B680	-	-	-	-
B449	115	375	260	459	B561	-	-	-	-	B681	-	-	-	-
B450	10	34	24	34	B569	-	-	-	-	B689	-	-	-	-
B451	109	528	421	528	B570	-	-	-	-	B690	5	7	2	7
B452	-	-	-	-	B571	-	-	-	-	B691	-	-	-	-
B453	-	-	-	-	B572	2	2	-	3	B698	-	-	-	-
B457	15	88	73	88	B573	-	-	-	-	B699	-	3	3	3
B458	-	3	3	3	B574	1	1	-	-	B700	-	-	-	-
B459	15	77	63	84	B575	-	-	-	-	B701	-	-	-	-
B460	6	14	8	14	B580	-	-	-	-	B710	-	-	-	-
B461	7	12	5	12	B581	-	-	-	-	B711	-	-	-	-
B462	-	1	1	1	B582	16	186	170	179	B718	-	-	-	-
B463	2	2	-	2	B583	3	18	15	-	B719	-	-	-	-
B464	-	5	5	5	B588	1	11	10	11	B72	-	-	-	-
B465	27	76	49	76	B589	9	121	112	146	B73	-	-	-	-
B468	-	1	1	1	B59	244	807	567	1325	B740	-	-	-	-
B469	-	1	1	1	B600	4	4	-	4	B741	-	-	-	-
B470	-	-	-	-	B601	1	1	-	1	B742	-	-	-	-
B471	-	-	-	-	B602	1	1	-	1	B743	-	-	-	-
B479	1	12	11	12	B608	-	2	2	2	B744	-	-	-	-
B480	-	-	-	-	B64	-	-	-	-	B748	-	-	-	-
B481	-	-	-	-	B650	-	-	-	-	B749	-	1	1	1

- 6 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
B75	-	-	-	-	B883	-	-	-	-	C059	103	143	42	145
B760	-	-	-	-	B888	-	-	-	-	C060	38	47	9	47
B761	-	-	-	-	B889	-	-	-	-	C061	-	-	-	-
B768	-	-	-	-	B89	2	2	-	2	C062	29	40	11	40
B769	-	1	1	1	B900	3	3	-	3	C068	2	2	-	2
B770	-	1	1	-	B901	2	3	1	3	C069	844	1089	247	1127
B778	-	-	-	-	B902	3	4	1	4	C07	491	575	86	577
B779	-	-	-	1	B908	24	31	7	31	C080	42	47	5	47
B780	-	2	2	2	B909	157	346	189	346	C081	-	-	-	-
B781	-	-	-	-	B91	263	860	597	860	C088	-	-	-	-
B787	3	4	2	2	B92	1	1	-	1	C089	123	141	18	145
B789	2	8	6	10	B940	-	-	-	-	C090	14	24	10	24
B79	-	-	-	-	B941	8	11	3	11	C091	4	4	-	4
B80	-	-	-	-	B942	326	1106	781	1107	C098	-	-	-	-
B810	-	-	-	-	B948	990	1587	600	1590	C099	525	675	150	675
B811	1	1	-	1	B949	4	6	2	6	C100	3	6	3	6
B812	-	-	-	-	B99	92	679	589	1079	C101	-	-	-	-
B813	-	-	-	-	C000	-	2	2	2	C102	-	-	-	-
B814	-	-	-	-	C001	9	12	3	12	C103	-	-	-	-
B818	-	-	-	-	C002	-	-	-	-	C104	-	1	1	1
B820	-	-	-	-	C003	-	-	-	-	C108	1	1	-	1
B829	-	1	1	1	C004	-	-	-	-	C109	596	683	88	688
B830	-	1	1	1	C005	-	-	-	-	C110	-	-	-	-
B831	-	-	-	-	C006	-	-	-	-	C111	14	20	6	20
B832	1	1	-	1	C008	-	-	-	-	C112	-	-	-	-
B833	-	-	-	-	C009	43	79	36	79	C113	1	1	-	1
B834	-	-	-	-	C01	123	154	31	154	C118	-	-	-	-
B838	-	-	-	-	C020	1	1	-	1	C119	623	699	76	699
B839	-	-	-	-	C021	-	-	-	-	C12	149	185	37	186
B850	-	-	-	-	C022	-	2	2	2	C130	1	1	-	1
B851	-	-	-	-	C023	-	-	-	-	C131	1	1	-	1
B852	-	-	-	-	C024	1	3	2	3	C132	1	1	-	1
B853	-	-	-	-	C028	-	-	-	-	C138	-	-	-	-
B854	-	-	-	-	C029	1613	2057	446	2059	C139	233	287	54	287
B86	1	3	2	3	C030	36	52	16	52	C140	1479	2065	588	2099
B870	-	-	-	-	C031	8	13	5	13	C142	-	-	-	-
B871	-	-	-	-	C039	52	68	17	68	C148	-	-	-	-
B872	-	-	-	-	C040	1	1	-	1	C150	11	11	-	11
B873	-	-	-	-	C041	-	-	-	-	C151	1	1	-	1
B874	-	-	-	-	C048	-	-	-	-	C152	-	-	-	-
B878	-	-	-	-	C049	179	230	51	230	C153	11	13	2	13
B879	-	-	-	-	C050	28	38	10	38	C154	3	3	-	3
B880	-	-	-	-	C051	69	95	26	95	C155	80	88	9	95
B881	-	-	-	-	C052	6	14	8	14	C158	1	1	-	1
B882	-	-	-	-	C058	-	-	-	-	C159	11811	12986	1196	13143

- 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS
C160	752	828	77	692	C252	21	24	4	25	C408	-	-	-	-
C161	5	5	-	5	C253	10	12	2	12	C409	-	1	1	1
C162	1	1	-	1	C254	158	169	11	169	C410	46	64	18	64
C163	7	8	1	8	C257	-	-	-	-	C411	123	154	31	154
C164	7	11	4	11	C258	1	1	-	1	C412	84	113	29	113
C165	1	1	-	1	C259	28691	30102	1482	30177	C413	12	16	4	16
C166	-	-	-	-	C260	529	667	144	694	C414	74	89	15	89
C168	-	-	-	-	C261	18	28	10	28	C418	1	1	-	1
C169	11938	13227	1318	13400	C268	1	2	1	2	C419	813	949	138	961
C170	484	568	84	568	C269	1018	582	74	599	C430	3	3	-	3
C171	45	56	11	56	C300	47	57	10	57	C431	2	2	-	2
C172	39	55	16	55	C301	7	12	5	12	C432	22	27	5	27
C173	-	-	-	-	C310	180	211	32	212	C433	80	110	30	111
C178	1	1	-	1	C311	30	35	5	35	C434	89	96	8	97
C179	468	524	59	535	C312	3	5	2	5	C435	227	241	15	242
C180	476	616	142	618	C313	18	20	2	20	C436	116	135	19	135
C181	211	236	25	236	C318	-	-	-	-	C437	143	165	22	165
C182	519	641	122	641	C319	171	223	53	224	C438	1	1	-	1
C183	14	18	5	19	C320	67	124	57	124	C439	6532	7222	711	7488
C184	85	105	20	105	C321	180	230	50	230	C440	4	8	4	8
C185	9	12	3	12	C322	11	12	1	12	C441	9	19	10	19
C186	131	163	32	163	C323	3	3	-	3	C442	103	174	71	174
C187	608	762	156	775	C328	1	1	-	1	C443	227	415	188	420
C188	1	1	-	1	C329	3553	4905	1361	4930	C444	1020	1302	285	1305
C189	46379	55506	9227	55886	C33	93	131	38	131	C445	48	63	16	64
C19	1808	1986	181	1806	C340	71	75	4	75	C446	38	66	28	66
C20	6452	7575	1137	7767	C341	883	1041	160	1043	C447	42	63	21	63
C210	357	438	81	438	C342	53	75	22	75	C448	-	-	-	-
C211	32	41	9	41	C343	347	418	72	419	C449	824	1293	489	1347
C212	22	27	5	27	C348	6	7	1	7	C450	227	252	25	252
C218	51	46	7	47	C349	150703	160597	10159	160910	C451	83	92	9	92
C220	5112	5696	589	5701	C37	139	171	32	171	C452	5	8	3	8
C221	2552	2706	158	2711	C380	65	108	43	108	C457	381	420	39	420
C222	35	35	1	36	C381	1	1	-	1	C459	1647	1730	108	1751
C223	3	4	1	4	C382	-	-	-	-	C460	-	2	2	4
C224	3	4	1	4	C383	141	163	22	163	C461	-	-	-	-
C227	-	-	-	-	C384	99	120	21	120	C462	-	-	-	-
C229	4677	5350	676	5368	C388	-	-	-	-	C463	-	-	-	-
C23	2059	2224	169	2228	C390	4	5	1	5	C467	5	29	24	57
C240	738	838	104	842	C398	-	-	-	-	C468	-	-	-	-
C241	193	226	33	226	C399	38	10	2	11	C469	37	211	175	334
C248	1	1	-	1	C400	17	22	5	22	C470	3	4	1	4
C249	599	613	63	640	C401	1	1	-	1	C471	2	3	1	3
C250	192	210	20	212	C402	51	63	12	63	C472	4	5	1	5
C251	9	13	4	13	C403	2	3	1	3	C473	5	6	1	6

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS
C474	2	4	2	4	C570	179	201	22	201	C694	2	4	2	4
C475	6	6	-	6	C571	-	-	-	-	C695	14	15	1	15
C476	1	2	1	2	C572	1	2	1	2	C696	36	63	27	63
C478	-	-	-	-	C573	-	-	-	-	C698	-	-	-	-
C479	113	127	15	130	C574	1	2	1	2	C699	139	208	69	209
C480	220	262	42	262	C577	21	26	5	26	C700	12	17	5	17
C481	36	51	15	51	C578	3	4	1	4	C701	2	3	1	3
C482	393	443	51	445	C579	203	66	12	67	C709	138	209	71	209
C488	1	1	-	1	C58	9	11	2	11	C710	235	257	22	257
C490	76	96	20	96	C600	1	1	-	1	C711	141	155	14	155
C491	51	58	7	58	C601	1	1	-	1	C712	101	111	11	112
C492	218	268	50	268	C602	-	-	-	-	C713	68	75	7	75
C493	73	104	31	104	C608	-	-	-	-	C714	17	19	2	19
C494	233	260	27	260	C609	200	266	68	268	C715	16	19	3	19
C495	118	144	26	144	C61	31729	45433	13756	45484	C716	166	192	26	192
C496	12	15	3	15	C620	1	1	-	1	C717	240	259	19	259
C498	3	3	-	3	C621	-	-	-	-	C718	41	42	1	42
C499	2694	3055	376	3110	C629	377	459	83	460	C719	11459	11948	524	11996
C500	8	18	10	18	C630	1	1	-	1	C720	49	62	13	62
C501	1	1	-	1	C631	8	9	1	9	C721	1	1	-	1
C502	-	-	-	-	C632	13	14	1	14	C722	-	-	-	-
C503	-	-	-	-	C637	3	3	-	3	C723	9	10	1	10
C504	2	2	-	2	C638	-	-	-	-	C724	-	-	-	-
C505	-	-	-	-	C639	16	17	6	19	C725	3	4	1	4
C506	-	-	-	-	C64	10933	12866	1944	12877	C728	-	-	-	-
C508	-	-	-	-	C65	183	202	19	202	C729	67	77	21	83
C509	41517	51148	9699	51219	C66	345	443	98	443	C73	1241	1522	286	1527
C510	13	16	3	16	C670	-	-	-	-	C740	71	74	3	74
C511	-	-	-	-	C671	-	-	-	-	C741	29	35	6	35
C512	1	1	-	1	C672	-	-	-	-	C749	473	559	87	561
C518	-	-	-	-	C673	-	-	-	-	C750	15	18	3	18
C519	748	913	166	914	C674	-	-	-	-	C751	30	44	14	44
C52	403	502	101	504	C675	4	5	1	5	C752	2	2	-	2
C530	34	40	6	40	C676	1	3	2	3	C753	15	20	5	20
C531	-	-	-	-	C677	14	14	-	14	C754	1	1	-	1
C538	-	-	-	-	C678	-	-	-	-	C755	16	17	1	17
C539	4171	4746	583	4755	C679	11892	15892	4022	15914	C758	-	-	-	-
C540	-	-	-	-	C680	134	180	46	180	C759	114	123	10	124
C541	3088	3628	549	3637	C681	-	-	-	-	C760	2024	2462	438	2462
C542	1	1	-	1	C688	1	1	-	1	C761	94	146	52	146
C543	1	1	-	1	C689	160	48	11	62	C762	1067	1568	502	1569
C548	-	-	-	-	C690	1	2	1	2	C763	269	350	81	350
C549	31	35	4	37	C691	-	2	2	2	C764	11	16	5	16
C55	3347	4088	749	4173	C692	25	38	14	39	C765	41	71	30	71
C56	13627	14757	1161	14789	C693	10	18	8	18	C767	112	149	37	149

- 9 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
C768	2	4	2	4	C836	14	15	1	15	C941	6	6	-	6
C770	6	83	77	83	C837	167	191	24	206	C942	18	20	2	20
C771	3	74	71	74	C838	262	286	24	286	C943	-	-	-	-
C772	3	83	80	83	C839	63	68	5	70	C944	-	1	1	1
C773	-	11	11	11	C840	102	144	42	144	C945	6	6	-	6
C774	1	13	12	13	C841	20	27	7	27	C947	31	41	10	41
C775	1	11	10	11	C842	2	5	3	5	C950	2604	2845	249	2977
C778	1	1	1	1	C843	3	3	-	3	C951	202	326	124	328
C779	28	992	964	994	C844	34	38	4	38	C952	1	3	2	3
C780	764	20255	19493	20256	C845	477	558	82	559	C957	4	4	-	4
C781	23	475	452	475	C850	61	75	14	75	C959	2404	3186	790	3356
C782	138	1861	1724	1862	C851	456	593	137	593	C960	-	-	-	-
C783	2	172	170	172	C857	14	22	8	22	C961	7	8	1	8
C784	-	128	128	128	C859	18755	23066	4340	23320	C962	2	3	1	3
C785	42	2409	2367	2409	C880	441	646	205	646	C963	-	-	-	-
C786	314	1670	1356	1670	C881	-	-	-	-	C967	3	3	-	3
C787	2668	23612	20950	23618	C882	-	-	-	-	C969	71	111	40	142
C788	36	1510	1474	1510	C883	-	-	-	-	C97	4901	6	4	6
C790	316	967	651	967	C887	-	-	-	-	D000	-	1	1	1
C791	13	609	596	609	C889	10	11	1	11	D001	-	-	-	-
C792	39	497	458	497	C900	10433	12312	1897	12330	D002	2	3	1	3
C793	831	17272	16444	17275	C901	57	93	36	93	D010	1	8	7	8
C794	12	800	788	800	C902	75	140	65	140	D011	-	2	2	2
C795	497	12410	11914	12411	C910	1361	1467	108	1494	D012	-	3	3	3
C796	9	357	348	357	C911	4476	6666	2200	6676	D013	-	1	1	1
C797	3	651	648	651	C912	-	-	-	-	D014	-	1	1	1
C798	1116	9352	8239	9356	C913	97	128	31	128	D015	-	-	-	-
C80	28463	29127	3145	64169	C914	105	167	63	168	D017	-	-	-	-
C810	-	-	-	-	C915	18	26	8	26	D019	-	-	-	-
C811	9	12	3	12	C917	-	-	-	-	D020	-	1	1	1
C812	5	6	1	6	C919	195	265	70	271	D021	1	1	-	1
C813	2	3	1	3	C920	6581	7020	448	7135	D022	1	2	1	2
C817	-	-	-	-	C921	1788	2188	401	2189	D023	-	-	-	-
C819	1387	1919	535	1922	C922	-	-	-	-	D024	-	-	-	-
C820	27	31	4	31	C923	19	22	3	22	D030	-	-	-	-
C821	22	22	-	22	C924	129	140	11	140	D031	-	-	-	-
C822	21	25	4	25	C925	181	209	28	209	D032	-	-	-	-
C827	5	7	2	7	C927	356	422	66	422	D033	1	1	-	1
C829	115	137	22	137	C929	230	277	47	284	D034	-	2	2	2
C830	286	361	76	379	C930	136	148	12	149	D035	2	7	5	7
C831	112	122	10	122	C931	18	31	13	31	D036	-	-	-	-
C832	51	54	4	38	C932	-	2	2	2	D037	1	5	4	5
C833	1564	1806	244	1825	C937	1	1	-	1	D038	2	3	1	3
C834	94	114	20	114	C939	24	33	9	33	D039	1	4	3	4
C835	75	87	12	87	C940	23	27	4	27	D040	-	-	-	-



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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
D041	-	-	-	-	D123	1	1	-	1	D180	55	100	45	100
D042	-	-	-	-	D124	-	-	-	-	D181	38	80	42	80
D043	1	1	-	1	D125	-	2	2	2	D190	-	-	-	-
D044	-	1	1	1	D126	52	366	314	368	D191	-	-	-	-
D045	-	-	-	-	D127	-	1	1	1	D197	-	-	-	-
D046	-	-	-	-	D128	-	4	4	4	D199	-	-	-	-
D047	-	1	1	1	D129	-	1	1	1	D200	1	1	-	1
D048	-	-	-	-	D130	1	3	2	3	D201	-	1	1	1
D049	-	3	3	3	D131	16	46	30	46	D210	2	3	1	3
D050	1	1	-	1	D132	3	7	4	7	D211	-	1	1	1
D051	-	3	3	3	D133	1	3	2	3	D212	1	1	-	1
D057	-	-	-	-	D134	2	4	2	4	D213	-	-	-	-
D059	2	10	8	10	D135	3	8	5	8	D214	-	2	2	2
D060	-	-	-	-	D136	5	14	9	14	D215	-	-	-	-
D061	-	-	-	-	D137	32	51	19	51	D216	-	-	-	-
D067	-	-	-	-	D139	1	2	1	2	D219	16	43	27	43
D069	-	3	3	3	D140	1	3	2	3	D220	-	-	-	-
D070	-	-	-	-	D141	4	7	3	7	D221	-	-	-	-
D071	-	1	1	1	D142	-	-	-	-	D222	-	-	-	-
D072	-	-	-	-	D143	6	14	8	14	D223	-	-	-	-
D073	1	4	3	4	D144	-	1	1	1	D224	-	-	-	-
D074	-	-	-	-	D150	40	66	26	66	D225	-	-	-	-
D075	1	3	2	3	D151	50	94	44	94	D226	-	-	-	-
D076	-	-	-	-	D152	2	2	-	2	D227	-	-	-	-
D090	-	-	-	-	D157	1	1	-	1	D229	2	2	-	2
D091	-	-	-	-	D159	-	-	-	-	D230	-	-	-	-
D092	-	-	-	-	D160	-	-	-	-	D231	1	2	1	2
D093	-	-	-	-	D161	-	-	-	-	D232	-	-	-	-
D097	-	2	2	2	D162	-	-	-	-	D233	-	-	-	-
D099	1	2	1	2	D163	-	-	-	-	D234	-	-	-	-
D100	-	-	-	-	D164	2	4	2	4	D235	2	4	2	4
D101	-	-	-	-	D165	2	7	5	7	D236	1	1	-	1
D102	-	-	-	-	D166	2	4	2	4	D237	3	4	1	4
D103	-	-	-	-	D167	-	-	-	-	D239	18	33	15	34
D104	-	-	-	-	D168	-	-	-	-	D24	1	1	-	1
D105	-	-	-	-	D169	2	3	1	3	D250	-	-	-	-
D106	-	-	-	-	D170	1	1	-	1	D251	-	-	-	-
D107	-	-	-	-	D171	-	-	-	-	D252	-	-	-	-
D109	-	3	3	3	D172	-	-	-	-	D259	17	59	42	59
D110	1	6	5	6	D173	-	-	-	-	D260	1	1	-	1
D117	-	-	-	-	D174	-	-	-	-	D261	-	-	-	-
D119	1	2	1	2	D175	-	-	-	-	D267	-	-	-	-
D120	2	6	4	6	D176	-	-	-	-	D269	-	2	2	2
D121	1	1	-	1	D177	13	33	20	33	D27	15	39	24	42
D122	2	3	1	3	D179	3	10	7	10	D280	-	-	-	-

- 11 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
D281	-	-	-	-	D358	-	-	-	-	D434	48	72	24	72
D282	-	-	-	-	D359	-	-	-	-	D437	-	-	-	-
D287	-	-	-	-	D360	-	-	-	-	D439	37	44	7	53
D289	-	-	-	-	D361	14	33	19	33	D440	6	15	9	16
D290	-	-	-	-	D367	8	15	7	15	D441	9	29	20	29
D291	-	4	4	4	D369	12	44	33	46	D442	2	5	3	5
D292	-	-	-	-	D370	42	81	39	81	D443	85	202	117	203
D293	-	-	-	-	D371	41	72	31	74	D444	58	84	26	84
D294	-	-	-	-	D372	28	43	15	44	D445	15	24	9	24
D297	-	-	-	-	D373	9	31	22	31	D446	-	-	-	-
D299	-	-	-	-	D374	98	155	57	162	D447	6	12	6	12
D300	2	13	11	13	D375	23	48	25	53	D448	3	8	5	8
D301	-	-	-	-	D376	173	246	73	252	D449	7	10	3	13
D302	-	1	1	1	D377	185	273	89	274	D45	320	1116	797	1117
D303	1	1	-	1	D379	32	39	7	43	D460	-	-	-	-
D304	-	-	-	-	D380	10	24	14	25	D461	8	12	4	12
D307	1	1	-	1	D381	600	902	305	915	D462	15	22	7	22
D309	-	-	-	-	D382	5	9	4	9	D463	5	5	-	5
D310	-	-	-	-	D383	40	61	21	62	D464	254	439	185	439
D311	-	-	-	-	D384	-	2	2	2	D467	11	21	10	21
D312	-	-	-	-	D385	12	18	6	18	D469	4159	7376	3227	7546
D313	-	-	-	-	D386	3	4	1	5	D470	-	-	-	-
D314	2	2	-	2	D390	26	42	17	43	D471	1449	2602	1155	2604
D315	-	-	-	-	D391	43	86	43	91	D472	61	241	180	241
D316	-	-	-	-	D392	2	2	-	2	D473	24	70	46	70
D319	-	-	-	-	D397	3	7	4	7	D477	18	26	8	26
D320	228	349	121	349	D399	2	2	-	2	D479	97	172	75	214
D321	10	18	8	18	D400	14	24	10	26	D480	34	97	63	99
D329	586	1108	524	1115	D401	1	7	6	7	D481	49	65	16	66
D330	8	10	2	10	D407	1	1	-	1	D482	5	7	2	7
D331	3	5	2	5	D409	1	1	-	1	D483	15	24	9	25
D332	58	92	34	92	D410	74	165	91	171	D484	8	11	3	11
D333	50	97	47	97	D411	1	2	1	2	D485	3	18	15	18
D334	1	1	-	1	D412	2	3	1	3	D486	24	58	34	62
D337	-	-	-	-	D413	-	1	1	1	D487	232	448	218	454
D339	1	5	4	5	D414	77	212	135	221	D489	157	275	120	866
D34	2	18	16	18	D417	-	-	-	-	D500	54	427	378	425
D350	28	91	63	91	D419	-	1	1	1	D501	-	2	2	2
D351	7	29	22	29	D420	1	3	2	3	D508	12	103	91	103
D352	88	225	137	225	D421	1	1	-	1	D509	52	741	690	739
D353	-	-	-	-	D429	6	9	3	10	D510	88	1122	1037	1123
D354	-	-	-	-	D430	171	228	57	229	D511	1	6	5	-
D355	-	-	-	-	D431	107	134	27	134	D512	-	-	-	-
D356	-	1	1	1	D432	2609	3120	515	3734	D513	-	-	-	-
D357	-	-	-	-	D433	4	4	-	4	D518	-	-	-	-

- 12 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD AXIS		ENTITY AXIS		UC	RECORD AXIS		ENTITY AXIS		UC	RECORD AXIS		ENTITY AXIS
		TOTAL MENTION	SECOND- ARY				TOTAL MENTION	SECOND- ARY				TOTAL MENTION	SECOND- ARY	
D519	2	21	20	21	D609	14	32	18	32	D735	32	206	174	206
D520	-	-	-	-	D610	22	38	18	36	D738	3	38	35	38
D521	-	-	-	-	D611	1	2	2	3	D739	40	117	77	117
D528	-	1	1	1	D612	1	2	1	2	D740	-	-	-	-
D529	8	88	80	88	D613	7	8	1	8	D748	-	-	-	-
D530	28	31	23	-	D618	1	1	-	1	D749	1	6	5	6
D531	10	41	31	41	D619	1023	4572	3552	4582	D750	-	1	1	1
D532	-	-	-	-	D62	9	66	57	65	D751	5	63	58	63
D538	-	1	1	-	D640	-	-	-	-	D752	35	165	130	165
D539	32	568	548	73	D641	-	7	7	7	D758	74	544	470	544
D550	-	2	2	2	D642	-	-	-	-	D759	50	171	121	222
D551	-	-	-	-	D643	71	205	134	205	D760	17	29	12	29
D552	-	-	-	-	D644	-	2	2	2	D761	11	14	3	14
D553	-	-	-	-	D648	40	100	63	100	D762	4	8	4	8
D558	-	-	-	-	D649	2161	34697	32539	36058	D763	23	39	16	39
D559	-	-	-	-	D65	663	3865	3202	3865	D800	5	7	2	7
D560	2	4	2	4	D66	78	244	166	244	D801	18	85	67	85
D561	12	42	30	42	D67	3	15	12	15	D802	2	9	7	9
D562	1	1	-	1	D680	13	48	36	49	D803	1	6	5	6
D563	-	3	3	3	D681	1	5	4	5	D804	-	-	-	-
D564	-	-	-	-	D682	43	132	89	132	D805	-	-	-	-
D568	-	2	2	1	D683	5	11	6	11	D806	-	-	-	-
D569	5	82	77	83	D684	12	44	32	44	D807	-	-	-	-
D570	113	132	19	132	D688	45	167	122	167	D808	2	4	2	4
D571	388	623	235	668	D689	818	4453	3638	4557	D809	7	13	6	13
D572	2	8	6	8	D690	10	24	14	24	D810	-	-	-	-
D573	6	40	34	40	D691	1	6	5	6	D811	-	-	-	-
D578	-	-	-	-	D692	1	32	31	32	D812	-	-	-	-
D580	4	21	17	21	D693	327	836	512	839	D813	-	-	-	-
D581	-	1	1	1	D694	26	68	43	68	D814	-	-	-	-
D582	4	11	7	11	D695	10	125	115	125	D815	1	1	-	1
D588	1	3	2	3	D696	519	4523	4005	4536	D816	1	1	-	1
D589	149	479	331	493	D698	-	5	5	5	D817	-	-	-	-
D590	1	1	-	1	D699	26	193	167	203	D818	-	2	2	2
D591	116	341	225	341	D70	338	2789	2452	2790	D819	20	27	7	27
D592	-	-	-	-	D71	12	21	9	21	D820	12	21	10	9
D593	35	93	58	93	D720	-	1	1	1	D821	8	40	32	40
D594	4	135	131	135	D721	26	63	37	63	D822	-	-	-	-
D595	12	21	9	21	D728	41	298	257	298	D823	-	2	2	2
D596	-	2	2	2	D729	-	-	-	-	D824	2	2	-	2
D598	-	1	1	1	D730	-	6	6	6	D828	-	-	-	-
D599	11	31	20	32	D731	82	289	207	289	D829	-	-	-	-
D600	-	-	-	-	D732	2	26	24	26	D830	1	1	-	1
D601	-	-	-	-	D733	9	42	33	42	D831	-	-	-	-
D608	-	-	-	-	D734	1	1	-	1	D832	-	1	1	1

- 13 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
D838	-	-	-	-	E058	-	1	1	1	E132	-	1	1	-
D839	11	20	9	20	E059	228	1093	866	1127	E133	-	-	-	-
D840	-	-	-	-	E060	-	-	-	-	E134	-	1	1	1
D841	38	94	56	94	E061	-	-	-	-	E135	1	2	1	1
D848	3	13	10	13	E062	-	-	-	-	E136	-	1	1	1
D849	405	990	586	1010	E063	3	41	38	41	E137	-	-	-	-
D860	74	124	51	134	E064	-	-	-	-	E138	1	2	1	2
D861	-	-	-	1	E065	1	21	20	21	E139	12	89	77	93
D862	-	-	-	-	E069	3	28	25	29	E140	547	693	188	680
D863	-	-	-	-	E070	-	-	-	-	E141	1576	1908	552	1762
D868	67	66	13	61	E071	-	-	-	-	E142	1273	1639	549	1952
D869	431	883	452	894	E078	1	8	7	8	E143	28	65	43	130
D890	3	15	12	15	E079	29	252	223	263	E144	247	398	214	456
D891	29	80	51	80	E100	52	82	30	4	E145	5496	7153	3431	421
D892	1	25	24	25	E101	235	292	67	8	E146	192	218	146	31
D898	4	8	4	8	E102	232	333	106	9	E147	512	610	201	5
D899	11	26	15	26	E103	12	26	16	-	E148	160	191	33	237
E000	-	-	-	-	E104	77	143	67	2	E149	39748	137898	98243	148640
E001	-	-	-	-	E105	1037	1896	863	2	E15	22	46	31	72
E002	-	-	-	-	E106	31	57	34	2	E160	5	13	10	20
E009	-	3	3	3	E107	141	224	96	3	E161	3	15	12	15
E010	-	-	-	-	E108	13	14	1	8	E162	180	1320	1140	1334
E011	-	-	-	-	E109	6678	17868	11208	20916	E163	-	1	1	1
E012	-	-	-	-	E110	89	140	51	1	E168	14	32	18	32
E018	-	-	-	-	E111	83	193	118	1	E169	-	-	-	-
E02	-	-	-	-	E112	225	356	134	5	E200	-	-	-	-
E030	-	-	-	-	E113	9	24	15	1	E201	1	5	4	5
E031	2	11	9	11	E114	68	178	112	-	E208	1	2	1	2
E032	-	4	4	4	E115	1068	2555	1491	2	E209	20	122	102	122
E033	-	-	-	-	E116	51	115	76	1	E210	2	8	6	8
E034	2	67	65	67	E117	141	211	78	1	E211	-	2	2	2
E035	21	21	3	17	E118	3	21	18	20	E212	-	1	1	1
E038	-	2	2	2	E119	8357	34206	25872	37982	E213	76	425	349	425
E039	1401	16696	15299	16713	E120	-	-	-	-	E214	-	1	1	1
E040	-	-	-	-	E121	-	-	-	-	E215	5	15	10	17
E041	3	21	18	21	E122	-	-	-	-	E220	9	53	44	53
E042	8	55	47	59	E123	-	-	-	-	E221	2	3	1	3
E048	1	1	-	1	E124	-	-	-	-	E222	54	399	345	399
E049	37	238	201	252	E125	-	2	2	-	E228	-	-	-	-
E050	47	184	138	179	E126	-	-	-	-	E229	-	3	3	3
E051	-	-	-	-	E127	-	-	-	-	E230	97	497	400	497
E052	8	22	14	15	E128	-	-	-	-	E231	-	-	-	-
E053	-	-	-	-	E129	4	18	14	20	E232	40	196	156	196
E054	-	-	-	-	E130	-	-	-	-	E233	5	11	6	11
E055	16	20	4	20	E131	-	3	3	1	E236	11	28	17	28

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
E237	5	18	13	20	E340	50	103	53	103	E610	-	1	1	1
E240	-	-	-	-	E341	-	-	-	-	E611	7	125	118	130
E241	1	2	1	2	E342	1	2	1	2	E612	-	-	-	-
E242	3	42	39	42	E343	24	58	34	58	E613	-	1	1	1
E243	5	7	2	7	E344	-	-	-	-	E614	-	-	-	-
E244	-	-	-	-	E345	-	-	-	-	E615	-	-	-	-
E248	-	1	1	1	E348	4	13	9	13	E616	-	-	-	-
E249	25	122	97	124	E349	3	17	14	24	E617	-	-	-	-
E250	6	7	1	7	E40	16	24	8	25	E618	-	1	1	1
E258	-	-	-	-	E41	200	1245	1049	525	E619	-	1	1	1
E259	-	1	1	1	E42	1	3	2	2	E630	-	-	-	-
E260	2	6	4	6	E43	389	1110	721	1111	E631	-	-	-	-
E261	-	-	-	-	E440	3	9	6	9	E638	-	1	1	1
E268	2	3	1	3	E441	-	6	6	6	E639	151	1113	962	1125
E269	1	15	14	15	E45	87	205	118	1	E640	90	758	668	758
E270	-	-	-	-	E46	3289	22781	19508	24251	E641	-	-	-	-
E271	80	377	298	378	E500	1	1	-	1	E642	-	-	-	-
E272	9	36	27	36	E501	-	-	-	-	E643	-	1	1	1
E273	1	3	2	3	E502	-	-	-	-	E648	5	21	16	21
E274	103	622	520	623	E503	-	-	-	-	E649	4	26	22	26
E275	1	3	2	3	E504	-	-	-	-	E65	1	1	-	1
E278	4	43	39	43	E505	-	-	-	-	E660	54	384	330	384
E279	10	66	56	70	E506	-	-	-	-	E661	-	3	3	3
E280	-	-	-	-	E507	-	-	-	-	E662	100	233	134	234
E281	-	-	-	-	E508	1	2	1	2	E668	1446	4839	3393	4839
E282	2	2	-	2	E509	-	1	1	1	E669	999	7593	6595	7679
E283	2	4	2	4	E511	1	3	2	3	E670	-	-	-	-
E288	-	-	-	-	E512	14	57	43	57	E671	-	1	1	1
E289	-	-	-	-	E518	-	-	-	-	E672	-	-	-	-
E290	-	-	-	-	E519	-	1	1	2	E673	-	-	-	-
E291	3	19	16	19	E52	-	2	2	2	E678	-	-	-	-
E298	-	-	-	-	E530	1	2	1	2	E68	-	1	1	1
E299	-	-	-	-	E531	-	1	1	1	E700	-	-	-	-
E300	-	-	-	-	E538	23	492	469	492	E701	-	5	5	5
E301	-	1	1	1	E539	-	4	4	4	E702	1	8	7	8
E308	-	-	-	-	E54	1	1	-	1	E703	3	8	5	8
E309	-	1	1	1	E550	2	8	6	8	E708	1	1	-	1
E310	4	6	2	6	E559	-	1	1	1	E709	-	-	-	-
E311	-	-	-	-	E560	-	-	-	-	E710	3	3	-	3
E318	-	-	-	-	E561	2	5	3	5	E711	7	11	4	11
E319	-	-	-	-	E568	-	1	1	1	E712	-	1	1	1
E320	-	4	4	4	E569	-	11	11	13	E713	27	39	12	39
E321	-	-	-	-	E58	-	2	2	2	E720	8	16	9	17
E328	1	3	2	3	E59	1	1	-	1	E721	5	13	8	13
E329	-	3	3	3	E60	-	1	1	2	E722	36	61	25	61

- 15 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
E723	4	5	1	5	E799	-	-	-	-	E892	...	1	1	1
E724	6	14	8	14	E800	-	-	-	-	E893	...	4	4	4
E725	8	13	5	13	E801	-	8	8	8	E894	...	-	-	-
E728	3	4	1	4	E802	13	34	21	34	E895	...	-	-	-
E729	-	-	-	-	E803	1	1	-	1	E896	...	-	-	-
E730	1	3	2	3	E804	2	5	3	5	E898	...	92	92	92
E731	-	-	-	-	E805	-	-	-	-	E899	...	4	4	4
E738	-	-	-	-	E806	-	1	1	1	F010	-	1	1	1
E739	3	11	8	11	E807	-	1	1	1	F011	58	236	178	236
E740	32	40	8	40	E830	22	31	9	31	F012	1	1	-	1
E741	-	-	-	-	E831	238	562	325	563	F013	2	3	1	3
E742	-	1	1	1	E832	-	-	-	-	F018	2	3	1	3
E743	21	161	140	161	E833	4	36	32	36	F019	557	1925	1373	1930
E744	9	10	1	10	E834	4	57	53	57	F030	-	-	-	-
E748	8	15	7	15	E835	157	2424	2267	2424	F03	28089	71871	51488	115073
E749	1	1	-	1	E838	-	-	-	-	F04	-	8	8	8
E750	21	22	1	22	E839	-	-	-	-	F050	-	-	-	-
E751	8	8	-	8	E840	242	98	-	3	F051	1	2	1	2
E752	112	156	44	156	E841	19	14	4	4	F058	-	4	4	4
E753	-	-	-	-	E848	24	3	-	3	F059	98	391	296	399
E754	27	30	3	30	E849	200	424	224	530	F060	-	-	-	-
E755	3	12	9	12	E850	6	10	4	10	F061	-	-	-	-
E756	5	28	23	28	E851	5	3	1	1	F062	-	4	4	4
E760	14	15	1	15	E852	1	1	-	1	F063	1	25	24	25
E761	11	13	2	13	E853	82	114	32	114	F064	-	-	-	-
E762	13	16	3	16	E854	401	463	139	366	F065	-	-	-	-
E763	14	18	4	18	E858	16	36	20	36	F066	-	-	-	-
E768	-	-	-	-	E859	385	749	366	881	F067	-	7	7	7
E769	-	-	-	-	E86	4943	31110	26183	31129	F068	2	4	2	4
E770	7	7	-	7	E870	557	2018	1464	2021	F069	2337	10462	8131	10489
E771	1	1	-	1	E871	222	1737	1516	1738	F070	-	5	5	5
E778	44	260	216	260	E872	901	7420	6520	8280	F071	1	2	1	2
E779	-	-	-	-	E873	7	60	53	60	F072	2	11	9	11
E780	1353	5670	4324	5704	E874	4	15	11	15	F078	-	-	-	-
E781	44	102	59	130	E875	370	4871	4502	4872	F079	1	10	9	10
E782	14	48	34	21	E876	146	989	843	989	F09	12	454	448	1188
E783	1	3	2	3	E877	58	401	343	401	F100	585	2674	2102	3986
E784	6	17	11	17	E878	955	4810	3865	4844	F101	1499	5727	4235	8681
E785	2261	9372	7114	9374	E880	258	1135	879	1137	F102	3340	10585	7251	12932
E786	7	29	22	29	E881	1	6	5	6	F103	91	251	160	293
E788	-	1	1	1	E882	-	6	6	6	F104	99	226	127	262
E789	113	486	373	492	E888	24	119	95	119	F105	1	-	-	1
E790	7	74	67	74	E889	326	1359	1035	2082	F106	22	94	72	104
E791	7	9	2	9	E890	...	5	5	5	F107	151	281	176	149
E798	-	-	-	-	E891	...	1	1	1	F108	2	3	1	2

- 16 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
F109	367	2639	2274	4657	F154	-	-	-	-	F199	96	1248	1152	1320
F110	-	3	3	3	F155	-	-	-	-	F200	28	339	311	339
F111	122	398	276	398	F156	-	-	-	-	F201	-	2	2	2
F112	83	191	108	191	F157	-	-	-	-	F202	18	52	34	52
F113	1	5	4	5	F158	-	-	-	-	F203	2	14	12	14
F114	-	-	-	-	F159	8	62	54	62	F204	2	2	-	-
F115	-	-	-	-	F160	-	3	3	3	F205	47	374	327	374
F116	-	-	-	-	F161	3	10	7	10	F206	125	223	100	225
F117	-	-	-	-	F162	-	1	1	1	F208	-	3	3	3
F118	-	-	-	-	F163	-	-	-	-	F209	259	2401	2142	2411
F119	45	223	178	242	F164	-	-	-	-	F21	1	1	-	1
F120	-	4	4	4	F165	-	-	-	-	F220	22	254	232	254
F121	1	29	28	29	F166	-	-	-	-	F228	-	-	-	-
F122	2	13	11	13	F167	-	-	-	-	F229	-	-	-	-
F123	-	-	-	-	F168	-	-	-	-	F230	-	-	-	-
F124	-	-	-	-	F169	-	1	1	1	F231	-	-	-	-
F125	-	-	-	-	F170	-	15	15	19	F232	-	4	4	4
F126	-	-	-	-	F171	139	4836	4698	7116	F233	-	2	2	2
F127	-	-	-	-	F172	70	4375	4306	5200	F238	-	-	-	-
F128	-	-	-	-	F173	-	-	-	1	F239	5	20	15	20
F129	2	27	25	28	F174	1	1	-	-	F24	-	1	1	1
F130	-	1	1	1	F175	-	-	-	-	F250	1	1	-	1
F131	1	24	23	24	F176	-	-	-	-	F251	-	-	-	-
F132	1	13	12	13	F177	1	-	-	-	F252	-	4	4	4
F133	-	-	-	-	F178	-	1	1	1	F258	-	3	3	3
F134	-	-	-	-	F179	319	13877	13559	19296	F259	15	233	218	233
F135	-	-	-	-	F180	-	-	-	-	F28	-	2	2	2
F136	-	-	-	-	F181	2	9	7	9	F29	32	141	117	233
F137	-	-	-	-	F182	-	-	-	-	F300	-	-	-	-
F138	-	-	-	-	F183	-	-	-	-	F301	-	-	-	-
F139	1	15	14	17	F184	-	-	-	-	F302	1	3	2	3
F140	13	26	13	27	F185	-	-	-	-	F308	-	-	-	-
F141	288	861	573	861	F186	-	-	-	-	F309	3	11	9	11
F142	43	110	67	110	F187	-	-	-	-	F310	-	-	-	-
F143	-	1	1	1	F188	-	1	1	1	F311	2	12	10	12
F144	2	3	1	-	F189	-	1	1	1	F312	-	1	1	1
F145	4	6	2	6	F190	2	9	7	9	F313	-	1	1	1
F146	-	-	-	-	F191	799	4038	3239	4038	F314	-	-	-	-
F147	-	-	-	-	F192	299	517	218	517	F315	-	-	-	-
F148	-	-	-	-	F193	2	10	8	10	F316	-	-	-	-
F149	94	561	467	591	F194	-	-	-	-	F317	-	-	-	-
F150	-	-	-	-	F195	-	-	-	-	F318	5	48	43	48
F151	15	76	61	76	F196	-	-	-	-	F319	44	690	646	691
F152	3	19	16	19	F197	-	-	-	-	F320	-	11	11	11
F153	-	-	-	-	F198	-	-	-	-	F321	-	-	-	-

- 17 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
F322	69	483	414	483	F445	1	1	-	1	F539	-	-	-	-
F323	11	48	38	48	F446	1	1	-	1	F54	89	174	135	-
F328	7	22	15	22	F447	-	-	-	-	F55	3	56	53	56
F329	673	11357	10687	11600	F448	2	13	11	13	F59	1	4	3	4
F330	-	-	-	-	F449	1	5	4	5	F600	-	3	3	3
F331	-	-	-	-	F450	-	6	6	6	F601	1	3	2	3
F332	2	17	15	17	F451	-	-	-	-	F602	-	1	1	1
F333	-	-	-	-	F452	-	-	-	-	F603	-	7	7	7
F334	-	-	-	-	F453	7	47	40	47	F604	-	-	-	-
F338	-	1	1	1	F454	-	-	-	-	F605	-	7	7	7
F339	10	121	111	121	F458	2	16	14	16	F606	-	-	-	-
F340	18	425	407	425	F459	1	2	1	2	F607	-	-	-	-
F341	1	17	16	17	F480	-	7	7	7	F608	-	4	4	4
F348	-	-	-	-	F481	-	-	-	-	F609	1	44	43	44
F349	2	9	7	9	F488	1	5	4	5	F61	-	1	1	1
F380	-	-	-	-	F489	7	41	34	48	F620	-	-	-	-
F381	-	-	-	-	F500	59	106	47	106	F621	-	-	-	-
F388	-	2	2	2	F501	-	-	-	-	F628	-	2	2	2
F39	2	28	26	34	F502	7	41	34	41	F629	-	-	-	-
F400	-	5	5	5	F503	-	-	-	-	F630	1	1	-	1
F401	-	-	-	-	F504	-	-	-	-	F631	-	-	-	-
F402	-	-	-	-	F505	-	1	1	1	F632	-	-	-	-
F408	-	-	-	-	F508	183	664	482	665	F633	-	-	-	-
F409	-	1	1	1	F509	7	33	26	36	F638	-	-	-	-
F410	1	52	51	52	F510	-	-	-	-	F639	-	2	2	2
F411	2	55	53	55	F511	-	-	-	-	F640	-	-	-	-
F412	13	268	257	29	F512	-	-	-	-	F641	-	-	-	-
F413	-	-	-	-	F513	-	1	1	1	F642	-	-	-	-
F418	-	2	2	2	F514	-	-	-	-	F648	-	-	-	-
F419	22	885	864	1131	F515	-	-	-	-	F649	-	-	-	-
F420	-	1	1	1	F518	-	-	-	-	F650	-	-	-	-
F421	-	-	-	-	F519	-	-	-	-	F651	-	-	-	-
F422	-	-	-	-	F520	-	-	-	-	F652	-	-	-	-
F428	-	-	-	-	F521	-	2	2	2	F653	-	-	-	-
F429	5	45	40	45	F522	-	3	3	3	F654	-	-	-	-
F430	-	6	6	6	F523	-	-	-	-	F655	-	-	-	-
F431	10	117	107	117	F524	-	-	-	-	F656	-	-	-	-
F432	13	52	39	52	F525	-	-	-	-	F658	-	2	2	2
F438	-	1	1	1	F526	-	-	-	-	F659	-	1	1	1
F439	8	75	67	75	F527	-	-	-	-	F660	-	-	-	-
F440	-	-	-	-	F528	-	-	-	-	F661	-	-	-	-
F441	-	-	-	-	F529	-	-	-	-	F662	-	-	-	-
F442	-	-	-	-	F530	-	3	3	3	F668	-	-	-	-
F443	-	-	-	-	F531	-	-	-	-	F669	1	3	2	3
F444	-	-	-	-	F538	-	-	-	-	F680	-	-	-	-



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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
F681	-	2	2	2	F929	-	-	-	G062	52	148	96	148	
F688	-	-	-	-	F930	-	-	-	G08	16	47	31	47	
F69	1	8	7	8	F931	-	-	-	G09	108	168	60	168	
F70	1	25	24	25	F932	-	-	-	G10	596	780	187	783	
F71	1	13	12	13	F933	-	-	-	G110	1	2	1	2	
F72	67	246	180	247	F938	-	-	-	G111	69	109	40	109	
F73	54	179	125	179	F939	-	-	-	G112	1	2	1	2	
F78	3	3	-	3	F940	-	-	-	G113	6	7	3	7	
F79	321	1885	1565	1889	F941	-	-	-	G114	4	9	5	9	
F800	-	-	-	-	F942	-	-	-	G118	1	1	-	1	
F801	-	1	1	1	F948	-	-	-	G119	44	131	88	134	
F802	-	2	2	2	F949	-	-	-	G120	62	69	7	69	
F803	-	1	1	1	F950	-	-	-	G121	13	14	1	14	
F808	-	-	-	-	F951	-	-	-	G122	5127	5876	759	5886	
F809	-	1	1	1	F952	-	7	7	G128	2	2	-	2	
F810	-	-	-	-	F958	-	1	1	G129	100	108	9	118	
F811	-	-	-	-	F959	-	1	1	G20	14511	31092	16602	31127	
F812	1	1	-	1	F980	-	-	-	G210	10	15	5	15	
F813	-	-	-	-	F981	-	-	-	G211	1	9	8	9	
F818	-	-	-	-	F982	-	6	6	G212	1	1	-	1	
F819	-	2	2	2	F983	-	-	-	G213	-	-	-	-	
F82	2	36	34	36	F984	-	-	-	G218	39	4	-	1	
F83	-	-	-	-	F985	-	-	-	G219	31	144	113	146	
F840	3	27	24	27	F986	-	-	-	G230	7	8	1	8	
F841	-	-	-	-	F988	1	4	3	G231	4	6	2	6	
F842	7	14	7	14	F989	1	1	-	G232	15	21	6	21	
F843	-	-	-	-	F99	15	179	166	G238	117	150	33	150	
F844	-	-	-	-	G000	5	8	3	G239	19	41	22	43	
F845	-	2	2	2	G001	146	247	102	G240	2	3	1	3	
F848	-	-	-	-	G002	88	138	50	G241	3	5	2	5	
F849	-	-	-	-	G003	19	47	28	G242	-	-	-	-	
F88	-	1	1	1	G008	26	55	29	G243	-	2	2	2	
F89	3	14	11	14	G009	189	315	126	G244	32	161	129	161	
F900	1	8	7	8	G030	14	36	22	G245	-	1	1	1	
F901	-	-	-	-	G031	10	17	7	G248	3	14	11	14	
F908	-	-	-	-	G032	1	1	-	G249	16	68	52	68	
F909	3	12	9	12	G038	1	3	2	G250	2	89	87	89	
F910	-	-	-	-	G039	351	1248	899	G251	-	1	1	1	
F911	-	-	-	-	G040	5	6	1	G252	2	11	9	11	
F912	-	-	-	-	G041	-	-	-	G253	11	42	31	42	
F913	1	1	-	1	G042	2	7	5	G254	-	-	-	-	
F918	-	2	2	2	G048	12	30	18	G255	10	36	26	36	
F919	2	21	19	21	G049	251	738	488	G256	-	-	-	-	
F920	-	-	-	-	G060	99	284	185	G258	11	34	23	34	
F928	-	1	1	1	G061	23	49	27	G259	25	62	37	66	

- 19 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
G300	7	16	9	16	G442	-	1	1	1	G549	-	3	3	3
G301	1846	3101	1360	3107	G443	-	-	-	-	G560	1	12	11	12
G308	8	17	9	17	G444	-	-	-	-	G561	-	-	-	-
G309	42675	75553	32958	75641	G448	-	-	-	-	G562	-	-	-	-
G310	107	158	51	158	G450	37	137	100	137	G563	1	3	2	3
G311	34	57	27	57	G451	3	29	26	29	G564	-	2	2	2
G312	105	151	75	145	G452	-	-	-	-	G568	-	2	2	2
G318	95	180	85	180	G453	-	-	-	-	G569	-	-	-	-
G319	800	1834	1035	1984	G454	-	2	2	2	G570	-	-	-	-
G35	2651	4207	1563	4214	G458	-	9	9	9	G571	-	-	-	-
G360	3	4	1	4	G459	277	2655	2378	2659	G572	-	-	-	-
G361	1	1	-	1	G470	3	40	37	40	G573	-	2	2	2
G368	-	-	-	-	G471	1	3	2	3	G574	-	-	-	-
G369	-	-	-	-	G472	-	-	-	-	G575	-	-	-	-
G370	1	2	1	2	G473	343	2725	2383	2726	G576	-	1	1	1
G371	3	3	-	3	G474	3	56	53	56	G578	-	-	-	-
G372	27	33	6	33	G478	-	-	-	-	G579	-	-	-	-
G373	4	8	4	8	G479	-	10	10	10	G580	-	-	-	-
G374	-	-	-	-	G500	6	117	111	117	G587	2	9	7	12
G375	-	-	-	-	G501	1	1	-	1	G588	7	24	17	27
G378	9	11	2	11	G508	-	1	1	1	G589	22	59	37	67
G379	63	113	50	118	G509	-	1	1	1	G600	47	149	102	149
G400	1	1	-	1	G510	4	46	42	46	G601	-	1	1	1
G401	-	3	3	3	G511	-	-	-	-	G602	-	-	-	-
G402	1	8	7	8	G512	-	-	-	-	G603	2	3	1	3
G403	26	69	43	69	G513	-	-	-	-	G608	4	10	6	10
G404	12	21	9	21	G514	-	-	-	-	G609	21	36	15	36
G405	6	9	3	2	G518	1	2	1	2	G610	209	425	216	425
G406	213	381	168	381	G519	-	-	-	-	G611	-	-	-	-
G407	1	5	4	6	G520	-	-	-	-	G618	6	11	5	11
G408	2	6	4	6	G521	1	2	1	3	G619	-	3	3	3
G409	579	1113	534	1143	G522	1	2	1	3	G620	-	3	3	3
G410	5	5	-	5	G523	1	2	1	2	G621	5	9	4	6
G411	-	-	-	-	G527	1	1	-	-	G622	2	2	-	2
G412	-	-	-	-	G528	-	-	-	-	G628	66	134	68	134
G418	1	3	2	3	G529	7	20	13	20	G629	230	1325	1101	1938
G419	491	1005	514	1005	G540	2	7	5	7	G64	1	2	1	2
G430	-	-	-	-	G541	-	6	6	6	G700	491	1102	611	1102
G431	-	-	-	-	G542	-	1	1	1	G701	-	-	-	-
G432	-	-	-	-	G543	-	1	1	1	G702	-	-	-	-
G433	-	1	1	1	G544	-	-	-	-	G708	9	10	1	10
G438	-	-	-	-	G545	-	-	-	-	G709	180	274	96	298
G439	-	105	105	105	G546	-	2	2	2	G710	595	895	300	895
G440	-	3	3	3	G547	-	-	-	-	G711	192	296	104	296
G441	-	3	3	3	G548	-	-	-	-	G712	118	143	25	143

- 20 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
G713	16	20	4	20	G92	73	115	42	115	H043	-	2	2	2
G718	8	10	2	11	G930	23	50	27	50	H044	-	-	-	-
G719	5	8	3	8	G931	3800	20742	16955	20750	H045	-	-	-	-
G720	6	70	65	71	G932	57	987	930	987	H046	-	-	-	-
G721	3	6	3	4	G933	-	12	12	12	H048	-	-	-	-
G722	-	1	1	1	G934	746	3873	3129	3910	H049	-	-	-	-
G723	2	4	2	4	G935	186	3765	3579	3765	H050	6	26	20	26
G724	2	3	1	3	G936	217	2569	2352	2570	H051	-	1	1	1
G728	43	80	37	80	G937	8	13	5	13	H052	-	3	3	3
G729	70	213	143	218	G938	135	1420	1285	1420	H053	-	-	-	-
G800	6	17	11	17	G939	305	923	619	1371	H054	-	-	-	-
G801	4	6	2	3	G950	54	92	38	92	H055	-	-	-	-
G802	1	4	3	-	G951	38	147	109	147	H058	-	1	1	1
G803	1	2	1	2	G952	42	646	605	647	H059	-	3	3	3
G804	-	-	-	-	G958	12	47	35	47	H100	-	-	-	-
G808	34	59	40	20	G959	101	316	217	348	H101	-	1	1	1
G809	962	1854	891	1900	G960	1	13	12	13	H102	-	-	-	-
G810	2	5	3	5	G961	4	7	3	7	H103	-	-	-	-
G811	2	18	16	18	G968	9	84	75	84	H104	-	3	3	3
G819	141	5000	4860	5005	G969	28	142	114	153	H105	-	-	-	-
G820	-	1	1	1	G970	...	-	-	-	H108	-	-	-	-
G821	7	39	32	41	G971	...	-	-	-	H109	-	15	15	15
G822	245	1282	1039	1284	G972	...	-	-	-	H110	-	-	-	-
G823	-	3	3	3	G978	...	274	274	274	H111	-	-	-	-
G824	52	150	107	175	G979	...	18	18	18	H112	-	-	-	-
G825	346	1280	937	1292	G98	66	146	80	185	H113	-	-	-	-
G830	2	15	13	16	H000	-	1	1	1	H114	-	-	-	-
G831	3	38	35	38	H001	-	-	-	-	H118	-	-	-	-
G832	2	9	8	10	H010	-	5	5	5	H119	-	-	-	-
G833	1	15	14	15	H011	-	-	-	-	H150	-	1	1	1
G834	5	27	22	27	H018	-	-	-	-	H151	-	-	-	-
G838	227	453	226	453	H019	-	-	-	-	H158	-	1	1	1
G839	39	399	360	410	H020	-	1	1	1	H159	-	-	-	-
G900	1	4	3	4	H021	-	2	2	2	H160	-	-	-	-
G901	19	32	13	32	H022	-	-	-	-	H161	-	-	-	-
G902	-	4	4	4	H023	-	-	-	-	H162	1	1	-	1
G903	184	304	132	291	H024	-	1	1	1	H163	1	2	1	2
G908	21	71	50	71	H025	-	-	-	-	H164	-	2	2	2
G909	22	52	34	82	H026	-	-	-	-	H168	-	-	-	-
G910	8	28	20	28	H027	-	-	-	-	H169	-	3	3	3
G911	46	154	108	156	H028	-	-	-	-	H170	-	-	-	-
G912	265	710	447	713	H029	-	-	-	-	H171	-	-	-	-
G913	-	2	2	2	H040	-	-	-	-	H178	-	-	-	-
G918	18	55	37	55	H041	-	-	-	-	H179	-	1	1	1
G919	355	1346	992	1362	H042	-	-	-	-	H180	-	-	-	-

- 21 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
H181	-	-	-	-	H312	-	-	-	-	H444	-	-	-	-
H182	-	-	-	-	H313	-	-	-	-	H445	-	2	2	2
H183	-	-	-	-	H314	-	-	-	-	H446	-	-	-	-
H184	-	-	-	-	H318	-	-	-	-	H447	-	-	-	-
H185	-	1	1	1	H319	-	-	-	-	H448	-	1	1	1
H186	-	-	-	-	H330	-	-	-	-	H449	-	-	-	-
H187	-	-	-	-	H331	-	-	-	-	H46	1	10	9	10
H188	-	-	-	-	H332	1	7	6	7	H470	-	1	1	1
H189	-	2	2	2	H333	-	-	-	-	H471	-	-	-	-
H200	-	-	-	-	H334	-	-	-	-	H472	-	3	3	3
H201	-	-	-	-	H335	-	-	-	-	H473	-	-	-	-
H202	-	-	-	-	H340	-	-	-	-	H474	-	-	-	-
H208	-	-	-	-	H341	-	2	2	2	H475	-	-	-	-
H209	-	4	4	4	H342	-	3	3	3	H476	-	-	-	-
H210	-	-	-	-	H348	-	2	2	2	H477	-	-	-	-
H211	-	-	-	-	H349	-	1	1	1	H490	-	-	-	-
H212	-	-	-	-	H350	-	68	68	191	H491	-	-	-	-
H213	-	-	-	-	H351	-	7	7	3	H492	-	9	9	9
H214	-	-	-	-	H352	-	1	1	1	H493	-	-	-	-
H215	-	1	1	1	H353	2	374	372	374	H494	-	1	1	1
H218	-	-	-	-	H354	-	2	2	2	H498	1	5	4	5
H219	-	-	-	-	H355	-	21	21	21	H499	-	4	4	5
H250	-	-	-	-	H356	-	5	5	6	H500	-	1	1	1
H251	-	-	-	-	H357	-	-	-	-	H501	-	-	-	-
H252	-	-	-	-	H358	-	2	2	2	H502	-	-	-	-
H258	-	-	-	-	H359	-	2	2	2	H503	-	-	-	-
H259	-	-	-	-	H400	-	-	-	-	H504	-	-	-	-
H260	-	1	1	1	H401	1	9	8	9	H505	-	1	1	1
H261	-	2	2	2	H402	-	1	1	1	H506	-	-	-	-
H262	-	-	-	-	H403	-	-	-	-	H508	-	-	-	-
H263	-	-	-	-	H404	-	-	-	-	H509	-	-	-	-
H264	-	-	-	-	H405	-	-	-	-	H510	-	-	-	-
H268	-	-	-	-	H406	-	-	-	-	H511	-	-	-	-
H269	1	142	141	167	H408	-	-	-	-	H512	-	-	-	-
H270	-	1	1	1	H409	10	1160	1150	1160	H518	-	-	-	-
H271	-	1	1	1	H430	-	-	-	-	H519	-	-	-	-
H278	-	-	-	-	H431	-	1	1	1	H520	-	1	1	1
H279	-	-	-	-	H432	-	-	-	-	H521	-	-	-	-
H300	-	1	1	1	H433	-	-	-	-	H522	-	-	-	-
H301	-	-	-	-	H438	-	-	-	-	H523	-	-	-	-
H302	-	-	-	-	H439	-	-	-	-	H524	-	2	2	2
H308	-	1	1	1	H440	7	20	13	20	H525	-	-	-	-
H309	1	30	29	31	H441	-	1	1	1	H526	-	-	-	-
H310	-	1	1	1	H442	-	-	-	-	H527	-	-	-	-
H311	-	-	-	-	H443	-	-	-	-	H530	-	1	1	1

- 22 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 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
H531	-	14	14	14	H661	-	-	-	-	H831	-	-	-
H532	-	1	1	1	H662	-	-	-	-	H832	-	1	1
H533	-	-	-	-	H663	-	1	1	1	H833	-	-	-
H534	-	3	3	3	H664	1	2	1	2	H838	-	-	-
H535	-	2	2	2	H669	39	83	44	84	H839	-	-	-
H536	-	-	-	-	H680	-	-	-	-	H900	-	-	-
H538	-	-	-	-	H681	-	-	-	-	H901	-	-	-
H539	-	2	2	2	H690	-	-	-	-	H902	-	-	-
H540	10	1141	1131	1141	H698	-	-	-	-	H903	-	-	-
H541	-	-	-	-	H699	-	-	-	-	H904	-	-	-
H542	-	-	-	-	H700	1	2	1	2	H905	-	42	42
H543	-	-	-	-	H701	4	5	1	5	H906	-	-	-
H544	-	42	42	42	H702	1	2	1	2	H907	-	-	-
H545	-	1	1	1	H708	1	1	-	1	H908	-	-	-
H546	-	-	-	-	H709	17	36	19	36	H910	-	-	-
H547	-	23	23	23	H71	4	6	2	6	H911	-	19	19
H55	-	5	5	5	H720	-	-	-	-	H912	-	1	1
H570	-	2	2	2	H721	-	-	-	-	H913	-	19	19
H571	-	-	-	-	H722	-	-	-	-	H918	-	2	2
H578	-	5	5	5	H728	-	-	-	-	H919	2	421	419
H579	1	13	12	13	H729	1	1	-	1	H920	-	-	-
H590	...	-	-	-	H730	-	-	-	-	H921	-	-	-
H598	...	-	-	-	H731	-	-	-	-	H922	-	-	-
H599	...	-	-	-	H738	-	-	-	-	H930	-	-	-
H600	-	1	1	1	H739	1	1	-	1	H931	-	5	5
H601	-	3	3	3	H740	-	-	-	-	H932	-	-	-
H602	-	1	1	1	H741	-	-	-	-	H933	-	-	-
H603	-	-	-	-	H742	-	-	-	-	H938	-	1	1
H604	-	1	1	1	H743	-	-	-	-	H939	-	2	2
H605	-	-	-	-	H744	-	-	-	-	H950	...	-	-
H608	-	-	-	-	H748	-	-	-	-	H951	...	-	-
H609	2	7	5	7	H749	-	1	1	1	H958	...	-	-
H610	-	-	-	-	H800	-	-	-	-	H959	...	-	-
H611	-	1	1	1	H801	-	-	-	-	I00	23	175	152
H612	-	-	-	-	H802	-	-	-	-	I010	-	1	1
H613	-	-	-	-	H808	-	-	-	-	I011	5	8	3
H618	-	-	-	-	H809	-	1	1	1	I012	1	1	-
H619	-	-	-	-	H810	-	41	41	41	I018	-	-	-
H650	-	-	-	-	H811	-	4	4	4	I019	-	-	-
H651	-	-	-	-	H812	-	1	1	1	I020	1	1	-
H652	-	-	-	-	H813	-	-	-	-	I029	-	1	1
H653	-	-	-	-	H814	-	-	-	-	I050	830	1528	702
H654	-	-	-	-	H818	-	-	-	-	I051	19	26	7
H659	-	1	1	1	H819	-	-	-	-	I052	9	16	7
H660	-	-	-	-	H830	-	6	6	6	I058	22	32	10

- 23 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
I059	1170	2670	1505	3075	I241	6	17	11	17	I361	3	20	18	20
I060	22	22	2	134	I248	2603	5911	3316	5919	I362	-	-	-	-
I061	7	7	-	75	I249	623	1892	1272	1896	I368	-	8	8	8
I062	-	1	1	1	I250	71926	100701	28856	100784	I369	2	14	12	14
I068	-	-	-	-	I251	227487	405603	179351	406512	I370	5	8	3	8
I069	24	33	10	305	I252	364	3005	2642	3006	I371	3	10	7	10
I070	1	2	1	4	I253	120	481	361	481	I372	-	-	-	-
I071	184	550	366	628	I254	19	33	14	33	I378	1	5	4	5
I072	-	-	-	-	I255	125666	28361	15828	28393	I379	1	5	4	5
I078	26	45	19	57	I256	-	-	-	-	I38	4490	9259	4786	10325
I079	14	35	21	123	I258	1805	4251	2452	4257	I400	228	335	108	338
I080	325	534	280	8	I259	12183	18477	6331	21297	I401	12	13	1	13
I081	60	134	74	5	I260	22	62	40	62	I408	4	6	2	6
I082	4	8	4	1	I269	8986	25272	16303	25299	I409	80	109	29	114
I083	29	41	17	1	I270	2725	7739	5024	7842	I420	5397	9330	3945	9347
I088	-	1	1	1	I271	84	191	111	6	I421	222	406	186	408
I089	2	8	6	8	I278	3	3	-	3	I422	1239	2082	845	2088
I090	13	21	8	25	I279	1360	7304	5946	7820	I423	4	4	-	4
I091	132	232	103	269	I280	1	3	2	3	I424	76	103	27	103
I092	-	-	-	-	I281	16	24	8	24	I425	89	106	17	106
I098	1	4	3	5	I288	25	101	76	101	I426	567	539	112	516
I099	752	1477	727	1703	I289	22	54	32	60	I427	23	85	62	85
I10	9917	78659	68798	202856	I300	2	3	1	3	I428	31	62	31	69
I110	8104	6547	970	60	I301	25	66	41	66	I429	19612	42099	22536	43065
I119	14598	18702	4928	37644	I308	14	50	36	50	I440	3	32	29	32
I120	6800	8848	4221	35	I309	20	102	82	103	I441	8	62	54	62
I129	251	496	265	3182	I310	4	34	30	34	I442	329	2204	1875	2204
I130	43	46	22	-	I311	59	160	101	161	I443	40	323	283	323
I131	1168	1690	565	-	I312	35	788	753	788	I444	-	3	3	3
I132	2005	2565	1029	4	I313	147	1010	863	1010	I445	-	-	-	-
I139	111	166	58	171	I318	1	8	7	8	I446	-	-	-	-
I200	114	553	439	643	I319	259	2160	1903	2564	I447	16	243	227	249
I201	18	53	35	70	I330	1088	2330	1243	2340	I450	-	-	-	-
I208	-	6	6	8	I339	28	69	41	83	I451	6	111	105	111
I209	371	2247	1877	2545	I340	2407	6473	4080	6619	I452	6	33	27	33
I210	16	18	3	19	I341	346	721	375	722	I453	2	10	8	10
I211	6	8	3	9	I342	8	23	15	23	I454	1	43	42	43
I212	7	10	3	10	I348	105	210	105	210	I455	14	67	53	67
I213	32	33	1	33	I349	29	128	99	137	I456	27	99	72	99
I214	306	516	211	517	I350	9902	20000	10129	20223	I458	135	1165	1030	1165
I219	199083	237675	39100	238230	I351	623	1794	1175	2122	I459	127	994	867	1033
I220	-	-	-	-	I352	83	193	110	1	I460	2	13	12	13
I221	1	1	-	1	I358	199	425	226	425	I461	2639	12365	9731	12372
I228	-	-	-	-	I359	1405	4068	2666	4185	I469	18312	349864	331565	350261
I229	3	5	2	5	I360	-	-	-	-	I470	6	51	45	51

- 24 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
I471	154	1661	1508	1662	I621	1	7	6	7	I723	152	260	108	260
I472	522	6730	6209	6734	I629	4952	6948	2009	7511	I724	43	108	65	108
I479	1	19	18	19	I630	181	267	86	267	I728	89	143	54	143
I48	8338	66875	58561	66901	I631	19	45	26	45	I729	355	619	265	711
I490	1626	17510	15892	17522	I632	718	1836	1119	1837	I730	15	135	120	135
I491	1	32	31	32	I633	2740	4744	2016	4756	I731	13	47	34	47
I492	1	1	1	2	I634	654	1955	1301	1955	I738	30	69	39	69
I493	12	254	242	254	I635	328	561	233	561	I739	6864	29124	22315	36377
I494	1	16	15	16	I636	-	-	-	-	I740	57	140	83	140
I495	446	3270	2828	3274	I638	63	67	29	67	I741	244	518	275	520
I498	33	263	230	263	I639	10101	19195	9123	19873	I742	13	91	78	91
I499	7168	60492	53442	67193	I64	91051	166219	75362	174121	I743	211	736	525	736
I500	50824	261980	211469	272246	I670	12	23	11	23	I744	51	229	178	232
I501	163	1135	1023	974	I671	446	753	309	2168	I745	30	147	117	147
I509	3926	23400	19488	26248	I672	1455	6067	4629	6047	I748	43	181	138	181
I510	18	424	406	424	I673	30	61	31	61	I749	430	1515	1085	1738
I511	17	49	32	49	I674	84	131	55	121	I770	29	107	78	107
I512	21	113	92	113	I675	12	19	7	19	I771	149	454	305	454
I513	2	7	5	7	I676	-	-	-	-	I772	168	389	221	389
I514	560	1322	771	1341	I677	66	114	48	114	I773	4	7	3	7
I515	165	563	399	564	I678	1289	3672	2384	3673	I774	-	2	2	2
I516	3922	8010	4104	8058	I679	5004	13641	8645	17666	I775	-	5	5	5
I517	1372	7998	6654	8170	I690	73	96	23	96	I776	539	1411	872	1472
I518	718	4494	3781	4531	I691	185	301	116	301	I778	23	54	31	54
I519	2022	4922	2978	11165	I692	72	180	108	182	I779	298	764	474	1183
I600	85	88	7	89	I693	1006	1689	685	1691	I780	25	76	51	76
I601	-	-	-	3	I694	10151	20143	10016	20225	I781	12	35	23	35
I602	2	6	4	11	I698	9676	11805	2168	12386	I788	17	26	9	26
I603	4	5	1	8	I700	60	379	319	628	I789	1	4	3	4
I604	3	14	11	16	I701	70	292	223	432	I800	-	3	3	3
I605	-	-	-	-	I702	595	1783	1379	2167	I801	49	149	100	149
I606	63	25	4	25	I708	5	21	16	32	I802	1727	6950	5226	6964
I607	584	583	9	596	I709	14249	44108	29885	72920	I803	356	932	576	1000
I608	20	26	9	26	I710	3373	3782	416	3789	I808	9	28	19	28
I609	5728	7696	1282	6789	I711	1188	1289	103	1291	I809	173	785	613	811
I610	172	233	61	234	I712	782	1574	795	1720	I81	73	235	162	235
I611	121	184	64	185	I713	5647	5986	351	5947	I820	42	149	107	149
I612	59	78	19	78	I714	2255	6195	3943	6558	I821	1	50	49	50
I613	820	1073	256	1081	I715	64	66	2	65	I822	38	206	168	206
I614	640	886	248	891	I716	89	129	40	138	I823	8	29	21	29
I615	758	1245	490	1267	I718	1694	1797	112	2041	I828	79	374	295	374
I616	1	3	2	3	I719	715	1746	1032	1983	I829	70	522	452	562
I618	71	131	61	135	I720	59	91	32	91	I830	64	227	165	228
I619	17245	23789	6580	24500	I721	-	-	-	-	I831	12	77	65	76
I620	621	1789	1168	1806	I722	38	59	21	59	I832	10	26	16	12

- 25 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
I839	81	258	178	279	J011	-	-	-	-	J180	2023	8747	6726	8893
I840	-	-	-	-	J012	-	-	-	-	J181	1601	3192	1595	3254
I841	-	1	1	1	J013	-	-	-	-	J182	103	1273	1170	1279
I842	2	4	2	4	J014	-	-	-	-	J188	36	782	746	797
I843	-	-	-	-	J018	-	-	-	-	J189	54013	204670	150739	206361
I844	-	-	-	-	J019	1	9	8	9	J200	-	-	-	-
I845	-	-	-	-	J020	2	4	2	5	J201	-	2	2	3
I846	-	-	-	-	J028	-	5	5	5	J202	2	3	1	4
I847	-	1	1	1	J029	11	35	24	36	J203	-	-	-	-
I848	4	7	3	6	J030	1	1	-	1	J204	-	-	-	-
I849	8	34	26	35	J038	1	1	-	1	J205	-	-	-	-
I850	128	1460	1333	786	J039	2	10	8	10	J206	-	-	-	-
I859	96	1533	1440	2218	J040	8	26	18	31	J207	-	-	-	-
I860	-	-	-	-	J041	11	52	41	64	J208	42	78	36	85
I861	1	1	-	1	J042	9	13	4	10	J209	260	1221	962	1400
I862	-	-	-	-	J050	1	1	-	2	J210	9	17	8	17
I863	-	-	-	-	J051	27	49	22	49	J218	5	13	8	14
I864	29	274	246	275	J060	-	1	1	1	J219	70	188	118	199
I868	4	30	26	30	J068	2	2	-	2	J22	152	313	165	399
I870	-	6	6	6	J069	133	729	596	738	J300	-	-	-	-
I871	32	649	617	649	J100	26	27	4	15	J301	-	-	-	1
I872	55	414	360	415	J101	34	52	18	64	J302	-	-	-	1
I878	70	293	223	293	J108	-	-	-	-	J303	1	6	5	7
I879	8	35	27	37	J110	731	384	71	155	J304	1	35	34	47
I880	-	-	-	-	J111	840	1697	869	1943	J310	1	14	13	14
I881	-	-	-	-	J118	34	16	7	4	J311	-	-	-	-
I888	-	-	-	-	J120	11	22	11	22	J312	-	1	1	1
I889	2	8	6	8	J121	30	64	34	64	J320	6	20	14	21
I890	35	285	250	285	J122	2	9	7	9	J321	3	4	1	4
I891	3	18	15	18	J128	2	2	-	2	J322	2	10	8	10
I898	28	83	55	83	J129	362	639	277	650	J323	2	8	6	8
I899	2	7	5	7	J13	661	1136	477	1141	J324	15	25	10	25
I950	-	-	-	-	J14	49	106	57	106	J328	-	4	4	4
I951	30	201	173	215	J150	117	348	231	348	J329	68	253	185	254
I952	-	1	1	1	J151	339	1316	978	1331	J330	1	1	-	1
I958	10	63	53	63	J152	956	2618	1665	2627	J331	-	-	-	-
I959	337	10452	10117	10461	J153	2	5	3	5	J338	-	-	-	-
I970	...	11	11	11	J154	280	587	308	593	J339	-	1	1	1
I971	...	164	164	164	J155	23	60	37	61	J340	-	1	1	1
I972	...	1	1	1	J156	29	98	69	98	J341	-	-	-	-
I978	...	399	399	399	J157	43	107	64	107	J342	-	1	1	1
I979	...	34	34	35	J158	87	222	135	223	J343	-	-	-	-
I99	349	2606	2260	6088	J159	1286	2987	1701	3015	J348	4	17	13	17
J00	2	10	8	10	J160	1	5	4	5	J350	-	2	2	2
J010	1	1	-	1	J168	9	26	17	26	J351	-	4	4	5



- 26 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
J352	-	-	-	1	J630	-	-	-	-	J848	40	55	15	55
J353	1	1	-	-	J631	-	-	-	-	J849	2185	3083	911	3104
J358	-	5	5	5	J632	6	10	4	10	J850	147	338	191	341
J359	3	21	18	22	J633	-	-	-	-	J851	83	247	164	1
J36	4	5	1	5	J634	1	2	1	2	J852	139	501	364	750
J370	1	4	3	5	J635	-	-	-	-	J853	8	31	23	31
J371	3	3	-	2	J638	-	-	-	-	J860	97	568	471	568
J380	47	177	130	177	J64	106	284	178	307	J869	325	1118	795	1142
J381	2	6	4	6	J65	5	5	2	-	J90	856	8739	7890	8756
J382	-	-	-	-	J660	2	4	2	4	J920	2	10	8	4
J383	7	14	7	14	J661	-	-	-	-	J929	5	19	14	25
J384	15	52	37	52	J662	-	1	1	1	J930	60	374	315	377
J385	21	54	33	54	J668	1	2	1	2	J931	31	290	259	290
J386	11	65	54	65	J670	8	15	7	15	J938	5	37	32	37
J387	18	69	51	72	J671	-	-	-	-	J939	226	2126	1900	2134
J390	6	13	7	13	J672	1	3	2	3	J940	2	17	15	17
J391	5	16	11	16	J673	-	-	-	-	J941	17	58	41	58
J392	88	233	145	234	J674	-	-	-	-	J942	59	496	437	496
J393	1	1	-	1	J675	-	-	-	-	J948	29	227	198	227
J398	109	476	367	476	J676	-	-	-	-	J949	2	29	27	30
J399	3	10	7	10	J677	1	1	-	1	J950	...	92	92	92
J40	640	1883	1334	2904	J678	1	3	2	3	J951	...	1	1	1
J410	-	10	10	22	J679	26	34	9	35	J952	...	13	13	13
J411	15	33	19	63	J680	20	34	14	34	J953	...	2	2	2
J418	-	-	-	-	J681	4	5	1	5	J954	...	-	-	-
J42	517	1518	1005	2703	J682	-	1	1	1	J955	...	2	2	2
J430	1	1	-	1	J683	1	2	1	2	J958	...	2685	2685	2686
J431	13	21	9	24	J684	4	4	-	4	J959	...	83	83	83
J432	15	33	18	33	J688	2	2	-	2	J960	247	15227	14980	15233
J438	5	8	3	9	J689	1	1	-	1	J961	109	1634	1526	1636
J439	17753	32659	15442	35017	J690	15257	56511	41281	56602	J969	3241	142512	139275	142953
J440	454	266	65	-	J691	8	13	5	13	J980	115	729	615	746
J441	24	39	15	39	J698	3	4	1	4	J981	177	1307	1130	1307
J448	4236	6976	3709	740	J700	26	289	263	289	J982	23	57	34	57
J449	94881	202992	108410	209228	J701	24	109	85	109	J983	-	2	2	2
J450	182	251	74	243	J702	-	1	1	1	J984	2982	11468	8484	12686
J451	8	15	10	22	J703	-	1	1	1	J985	139	441	303	442
J458	-	-	-	-	J704	-	-	-	-	J986	28	122	94	122
J459	3982	9142	5773	11633	J708	-	3	3	3	J988	541	2152	1615	2243
J46	485	558	81	615	J709	3	7	4	7	J989	144	492	354	900
J47	970	2135	1167	2143	J80	2125	13662	11542	13685	K000	-	-	-	-
J60	409	1002	593	1003	J81	746	15117	14372	15352	K001	-	1	1	1
J61	449	1258	810	1265	J82	212	496	284	496	K002	-	1	1	1
J620	3	3	-	3	J840	129	193	64	193	K003	-	-	-	-
J628	99	182	83	184	J841	9004	15472	6489	15631	K004	-	1	1	1

- 27 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD AXIS		ENTITY AXIS		UC	RECORD AXIS		ENTITY AXIS		UC	RECORD AXIS		ENTITY AXIS
		TOTAL MENTION	SECOND- ARY				TOTAL MENTION	SECOND- ARY				TOTAL MENTION	SECOND- ARY	
K005	-	-	-	-	K069	-	1	1	1	K135	-	-	-	-
K006	-	-	-	-	K070	1	12	11	12	K136	-	-	-	-
K007	1	4	3	4	K071	1	3	2	3	K137	6	23	17	23
K008	-	-	-	-	K072	-	-	-	-	K140	1	8	7	8
K009	-	-	-	-	K073	-	-	-	-	K141	-	-	-	-
K010	-	-	-	-	K074	-	-	-	-	K142	-	-	-	-
K011	-	-	-	-	K075	-	-	-	-	K143	-	-	-	-
K020	-	-	-	-	K076	-	3	3	3	K144	-	-	-	-
K021	-	-	-	-	K078	-	-	-	-	K145	-	-	-	-
K022	-	-	-	-	K079	-	-	-	-	K146	-	-	-	-
K023	-	-	-	-	K080	-	1	1	1	K148	2	13	11	13
K024	-	-	-	-	K081	-	1	1	1	K149	2	12	10	12
K028	-	-	-	-	K082	-	-	-	-	K20	188	1016	829	1054
K029	3	20	17	20	K083	-	-	-	-	K210	77	363	286	325
K030	-	-	-	-	K088	6	26	20	26	K219	579	3549	2970	3592
K031	-	-	-	-	K089	2	11	9	11	K220	91	227	136	227
K032	-	-	-	-	K090	-	-	-	-	K221	94	480	386	480
K033	-	-	-	-	K091	-	-	-	-	K222	290	1162	873	1163
K034	-	-	-	-	K092	-	-	-	-	K223	207	367	161	368
K035	-	-	-	-	K098	-	-	-	-	K224	305	601	296	601
K036	-	-	-	-	K099	-	-	-	-	K225	62	123	61	123
K037	-	-	-	-	K100	-	-	-	-	K226	66	141	75	141
K038	-	-	-	-	K101	-	-	-	-	K228	147	660	513	767
K039	-	-	-	-	K102	3	19	16	19	K229	54	122	68	150
K040	-	-	-	-	K103	-	-	-	-	K250	22	35	13	18
K041	-	-	-	-	K108	-	2	2	2	K251	1	3	2	4
K042	-	-	-	-	K109	-	4	4	4	K252	1	1	-	-
K043	-	-	-	-	K110	-	-	-	-	K253	4	13	9	31
K044	-	-	-	-	K111	-	-	-	-	K254	646	1124	479	258
K045	-	-	-	-	K112	41	135	94	135	K255	461	741	284	762
K046	-	-	-	-	K113	7	20	13	20	K256	35	50	17	2
K047	27	51	24	51	K114	-	-	-	-	K257	2	20	18	35
K048	-	-	-	-	K115	-	-	-	-	K259	161	894	733	1807
K049	-	-	-	-	K116	-	1	1	1	K260	13	24	12	7
K050	-	-	-	-	K117	-	2	2	2	K261	2	5	3	5
K051	-	12	12	12	K118	-	3	3	3	K262	-	1	1	1
K052	-	5	5	5	K119	-	3	3	3	K263	4	9	5	27
K053	1	5	4	5	K120	-	2	2	2	K264	604	1053	451	364
K054	-	-	-	-	K121	1	29	28	29	K265	658	1072	417	1132
K055	-	-	-	-	K122	13	25	12	25	K266	49	73	24	5
K056	1	7	6	7	K130	1	1	-	1	K267	6	24	18	33
K060	-	-	-	-	K131	-	-	-	-	K269	140	627	488	1362
K061	-	-	-	-	K132	-	3	3	3	K270	4	6	2	-
K062	-	-	-	-	K133	-	-	-	-	K271	1	2	1	2
K068	1	2	1	2	K134	-	-	-	-	K272	-	1	1	-

- 28 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
K273	-	3	3	10	K389	2	6	4	6	K550	4192	7811	3559	7828
K274	999	1774	777	326	K400	3	3	-	3	K551	211	352	141	352
K275	409	665	257	683	K401	1	1	-	-	K552	90	271	181	271
K276	26	40	14	5	K402	-	12	12	13	K558	4	7	3	7
K277	18	79	61	108	K403	123	213	90	191	K559	4445	8755	4321	9515
K279	301	3240	2940	4877	K404	23	12	1	3	K560	68	279	212	283
K280	-	-	-	-	K409	34	154	120	190	K561	27	35	8	35
K281	-	-	-	-	K410	-	-	-	-	K562	559	979	422	1048
K282	-	-	-	-	K411	-	-	-	-	K563	30	33	12	27
K283	-	1	1	1	K412	-	-	-	-	K564	152	371	221	376
K284	31	67	37	10	K413	38	57	19	50	K565	343	626	283	132
K285	-	6	6	7	K414	3	2	-	1	K566	3570	11280	7726	12245
K286	1	4	3	2	K419	1	8	7	18	K567	275	1486	1211	1508
K287	-	-	-	-	K420	58	91	35	77	K570	12	15	3	4
K289	5	24	19	82	K421	7	3	1	-	K571	22	36	14	47
K290	13	38	25	8	K429	17	54	37	73	K572	334	411	77	313
K291	21	67	46	97	K430	161	260	99	209	K573	184	456	273	561
K292	16	29	21	35	K431	32	17	-	3	K574	7	1	-	1
K293	-	-	-	-	K439	76	265	189	338	K575	-	1	1	1
K294	5	36	31	36	K440	77	120	44	73	K578	1290	1682	397	1029
K295	25	178	153	178	K441	6	6	3	2	K579	1578	3821	2248	4655
K296	118	394	276	394	K449	380	1461	1081	1517	K580	1	3	2	-
K297	198	1357	1159	1358	K450	21	41	20	39	K589	11	165	154	168
K298	7	69	62	69	K451	6	5	1	2	K590	108	490	383	491
K299	1	12	11	13	K458	2	8	6	13	K591	-	-	-	-
K30	3	50	47	50	K460	232	365	133	327	K592	2	24	22	24
K310	3	12	9	12	K461	44	36	5	3	K593	186	456	270	468
K311	87	473	386	473	K469	119	324	207	436	K594	-	1	1	1
K312	1	3	2	3	K500	6	19	13	20	K598	44	99	55	99
K313	-	1	1	1	K501	23	54	31	55	K599	22	50	28	51
K314	-	-	-	-	K508	1	1	-	-	K600	-	-	-	-
K315	9	79	70	79	K509	471	1341	871	1346	K601	-	1	1	1
K316	24	113	89	113	K510	-	-	-	-	K602	2	5	3	5
K318	316	1308	992	1378	K511	-	-	-	-	K603	1	10	9	10
K319	114	366	252	377	K512	3	8	5	8	K604	7	37	30	37
K350	288	504	218	477	K513	-	1	1	1	K605	-	-	-	-
K351	11	39	28	39	K514	-	1	1	1	K610	6	17	11	17
K359	32	61	29	85	K515	-	2	2	2	K611	80	175	95	175
K36	-	-	-	-	K518	1	3	2	3	K612	-	-	-	-
K37	55	119	64	135	K519	294	986	692	986	K613	11	15	4	15
K380	-	-	-	-	K520	19	121	102	121	K614	-	-	-	-
K381	-	-	-	-	K521	11	22	11	22	K620	-	-	-	-
K382	-	-	-	-	K522	-	3	3	3	K621	-	7	7	7
K383	-	-	-	-	K528	7	21	14	21	K622	1	1	-	1
K388	2	3	1	3	K529	1352	4030	2686	4156	K623	22	81	59	81

- 29 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
K624	11	40	29	40	K741	21	31	10	33	K835	-	-	-	-
K625	140	599	460	601	K742	-	1	1	1	K838	24	60	36	60
K626	11	36	25	36	K743	414	517	105	519	K839	29	67	38	82
K627	4	61	57	61	K744	5	30	25	30	K85	2751	5988	3243	6146
K628	108	252	144	252	K745	114	168	54	168	K860	295	214	28	44
K629	25	72	47	74	K746	13291	28730	15478	31781	K861	243	1035	792	1086
K630	40	182	143	259	K750	150	387	237	387	K862	2	20	18	20
K631	1538	4282	2747	4600	K751	-	2	2	2	K863	46	161	115	161
K632	174	728	556	730	K752	-	1	1	1	K868	58	354	296	355
K633	35	94	59	94	K753	9	20	11	20	K869	142	388	246	439
K634	2	5	3	5	K758	21	47	26	47	K900	14	54	40	54
K638	64	187	124	188	K759	316	1268	953	1417	K901	29	82	53	82
K639	389	1046	661	1274	K760	383	1982	1600	2191	K902	119	288	169	288
K650	589	2662	2078	2879	K761	31	258	227	258	K903	-	-	-	-
K658	19	122	103	143	K762	-	1	1	1	K904	8	31	23	31
K659	989	4307	3322	5036	K763	27	71	44	71	K908	3	14	11	14
K660	99	343	245	841	K764	2	3	1	3	K909	80	291	211	311
K661	138	533	395	533	K765	5	19	14	19	K910	...	3	3	3
K668	36	127	91	127	K766	137	1152	1015	1152	K911	...	23	23	23
K669	24	61	37	61	K767	467	4358	3894	4364	K912	...	136	136	136
K700	305	216	65	6	K768	123	819	697	822	K913	...	183	183	183
K701	805	970	212	916	K769	1618	3327	1719	6510	K914	...	91	91	91
K702	3	3	-	-	K800	98	131	34	3	K915	...	2	2	2
K703	7264	6007	1001	3069	K801	172	333	165	30	K918	...	668	668	669
K704	1566	1110	168	63	K802	650	1660	1013	2099	K919	...	46	46	46
K709	2015	2773	1075	2795	K803	46	60	14	1	K920	41	191	151	214
K710	3	5	2	5	K804	21	40	20	1	K921	7	55	49	57
K711	2	4	2	4	K805	111	240	130	338	K922	7388	31235	23890	35108
K712	-	-	-	-	K808	2	3	1	3	K928	18	77	59	77
K713	-	-	-	-	K810	674	1131	458	1272	K929	53	138	89	203
K714	-	-	-	-	K811	53	180	127	223	L00	3	13	10	13
K715	-	-	-	-	K818	13	24	11	25	L010	-	3	3	3
K716	15	33	18	33	K819	649	1282	636	1603	L011	-	-	-	-
K717	1	1	-	-	K820	9	22	13	26	L020	2	8	6	8
K718	3	6	4	5	K821	1	8	7	8	L021	13	37	24	37
K719	1	8	7	11	K822	46	93	47	93	L022	32	168	136	168
K720	237	1114	872	1121	K823	6	16	10	16	L023	7	53	46	53
K721	82	333	251	336	K824	-	10	10	10	L024	28	184	156	184
K729	3727	28842	24975	29224	K828	9	27	18	27	L028	4	19	15	19
K730	-	5	5	5	K829	270	863	594	867	L029	45	295	250	303
K731	-	-	-	-	K830	462	1123	662	1192	L030	4	17	13	17
K732	300	507	207	508	K831	388	1888	1500	1913	L031	273	1449	1176	1449
K738	12	18	6	18	K832	3	6	3	6	L032	9	32	23	32
K739	127	334	207	335	K833	3	13	10	13	L033	24	123	100	124
K740	17	77	60	78	K834	1	1	-	1	L038	14	46	32	46

- 30 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
L039	375	1753	1379	1762	L232	-	-	-	-	L304	-	1	1	1
L040	-	-	-	-	L233	-	-	-	-	L305	-	-	-	-
L041	-	2	2	2	L234	-	-	-	-	L308	4	10	6	10
L042	-	-	-	-	L235	-	-	-	-	L309	11	112	101	117
L043	-	-	-	-	L236	-	-	-	-	L400	-	1	1	1
L048	-	-	-	-	L237	-	-	-	-	L401	2	5	3	5
L049	-	2	2	2	L238	-	-	-	-	L402	-	-	-	-
L050	-	1	1	1	L239	-	7	7	7	L403	-	-	-	-
L059	-	3	3	3	L240	-	-	-	-	L404	-	-	-	-
L080	3	11	8	11	L241	-	-	-	-	L405	9	69	60	69
L081	-	-	-	-	L242	-	-	-	-	L408	1	3	2	3
L088	-	1	1	1	L243	-	-	-	-	L409	13	251	238	256
L089	147	665	519	685	L244	-	-	-	-	L410	-	1	1	1
L100	11	34	23	34	L245	-	-	-	-	L411	-	-	-	-
L101	-	-	-	-	L246	-	-	-	-	L412	-	-	-	-
L102	1	3	2	3	L247	-	-	-	-	L413	-	-	-	-
L103	-	-	-	-	L248	-	-	-	-	L414	-	-	-	-
L104	-	1	1	1	L249	-	-	-	-	L415	-	-	-	-
L105	-	-	-	-	L250	-	-	-	-	L418	-	-	-	-
L108	1	11	10	11	L251	-	-	-	-	L419	-	-	-	-
L109	30	137	107	137	L252	-	-	-	-	L42	-	-	-	-
L110	-	-	-	-	L253	-	-	-	-	L430	-	-	-	-
L111	-	-	-	-	L254	-	-	-	-	L431	-	-	-	-
L118	-	-	-	-	L255	-	-	-	-	L432	-	-	-	-
L119	-	-	-	-	L258	-	-	-	-	L433	-	-	-	-
L120	57	254	197	254	L259	-	-	-	-	L438	-	-	-	-
L121	3	7	4	7	L26	12	34	22	34	L439	-	5	5	5
L122	-	-	-	-	L270	2	10	8	10	L440	-	-	-	-
L123	-	-	-	-	L271	-	-	-	-	L441	-	-	-	-
L128	1	5	4	5	L272	-	-	-	-	L442	-	-	-	-
L129	12	57	45	57	L278	-	-	-	-	L443	-	-	-	-
L130	1	6	5	6	L279	-	-	-	-	L444	-	-	-	-
L131	1	3	2	3	L280	-	12	12	12	L448	-	-	-	-
L138	1	1	-	1	L281	-	-	-	-	L449	-	-	-	-
L139	3	10	7	11	L282	-	-	-	-	L500	-	1	1	1
L200	-	-	-	-	L290	-	-	-	-	L501	-	1	1	1
L208	-	-	-	-	L291	-	-	-	-	L502	-	-	-	-
L209	-	6	6	6	L292	-	-	-	-	L503	-	-	-	-
L210	-	-	-	-	L293	-	-	-	-	L504	-	-	-	-
L211	1	1	-	1	L298	-	1	1	1	L505	-	-	-	-
L218	-	-	-	-	L299	-	1	1	1	L506	-	-	-	-
L219	-	4	4	4	L300	-	1	1	1	L508	1	3	2	3
L22	-	2	2	2	L301	-	-	-	-	L509	-	7	7	7
L230	-	-	-	-	L302	-	1	1	1	L510	-	-	-	-
L231	-	-	-	-	L303	-	2	2	2	L511	51	112	61	112

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
L512	63	116	53	116	L631	-	1	1	1	L729	-	-	-	-
L518	1	1	-	1	L632	-	-	-	-	L730	-	-	-	-
L519	7	13	6	14	L638	-	-	-	-	L731	-	-	-	-
L52	1	5	4	5	L639	-	-	-	-	L732	3	16	13	16
L530	-	-	-	-	L640	-	-	-	-	L738	-	-	-	-
L531	-	-	-	-	L648	-	-	-	-	L739	-	3	3	3
L532	-	-	-	-	L649	-	-	-	-	L740	-	-	-	-
L533	-	-	-	-	L650	-	-	-	-	L741	-	-	-	-
L538	1	2	1	2	L651	-	-	-	-	L742	-	-	-	-
L539	15	163	148	163	L652	-	-	-	-	L743	-	-	-	-
L550	-	-	-	-	L658	-	-	-	-	L744	-	-	-	-
L551	-	-	-	-	L659	-	-	-	-	L748	-	-	-	-
L552	-	-	-	-	L660	-	-	-	-	L749	-	-	-	-
L558	-	-	-	-	L661	-	-	-	-	L750	-	-	-	-
L559	-	1	1	1	L662	-	-	-	-	L751	-	-	-	-
L560	-	-	-	-	L663	-	-	-	-	L752	-	-	-	-
L561	-	-	-	-	L664	-	-	-	-	L758	-	-	-	-
L562	-	-	-	-	L668	-	-	-	-	L759	-	-	-	-
L563	-	-	-	-	L669	-	-	-	-	L80	-	1	1	1
L564	-	-	-	-	L670	-	-	-	-	L810	-	-	-	-
L568	-	-	-	-	L671	-	-	-	-	L811	-	-	-	-
L569	-	-	-	-	L678	-	-	-	-	L812	-	-	-	-
L570	1	2	1	2	L679	-	-	-	-	L813	-	-	-	-
L571	-	1	1	1	L680	-	-	-	-	L814	1	4	3	4
L572	-	-	-	-	L681	-	-	-	-	L815	-	-	-	-
L573	-	-	-	-	L682	-	-	-	-	L816	-	-	-	-
L574	-	-	-	-	L683	-	-	-	-	L817	-	-	-	-
L575	-	-	-	-	L688	-	-	-	-	L818	-	1	1	1
L578	-	2	2	2	L689	-	-	-	-	L819	-	1	1	1
L579	-	-	-	-	L700	-	-	-	-	L82	-	2	2	2
L580	-	-	-	-	L701	-	-	-	-	L83	-	-	-	-
L581	-	-	-	-	L702	-	-	-	-	L84	-	1	1	1
L589	-	-	-	-	L703	-	-	-	-	L850	-	-	-	-
L590	-	-	-	-	L704	-	-	-	-	L851	-	1	1	1
L598	-	6	6	6	L705	-	-	-	-	L852	-	-	-	-
L599	-	-	-	-	L708	-	-	-	-	L853	-	-	-	-
L600	-	-	-	-	L709	-	-	-	-	L858	1	1	-	1
L601	-	-	-	-	L710	-	-	-	-	L859	-	1	1	1
L602	-	-	-	-	L711	-	1	1	1	L870	-	-	-	-
L603	-	-	-	-	L718	-	-	-	-	L871	-	-	-	-
L604	-	-	-	-	L719	-	7	7	7	L872	-	-	-	-
L605	-	5	5	5	L720	1	2	1	2	L878	-	-	-	-
L608	-	-	-	-	L721	2	4	2	4	L879	-	-	-	-
L609	-	-	-	-	L722	-	-	-	-	L88	7	46	39	46
L630	-	1	1	1	L728	-	-	-	-	L89	1842	9154	7319	11040

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
L900	-	2	2	2	M001	1	2	1	2	M124	-	-	-	-
L901	-	-	-	-	M002	2	2	-	2	M125	1	4	3	4
L902	-	-	-	-	M008	-	-	-	-	M128	-	1	1	1
L903	-	-	-	-	M009	187	376	189	377	M130	8	39	31	44
L904	-	-	-	-	M020	-	-	-	-	M131	-	-	-	-
L905	2	47	45	47	M021	-	-	-	-	M138	-	8	8	12
L906	-	-	-	-	M022	-	-	-	-	M139	323	3656	3334	4107
L908	-	-	-	-	M023	-	4	4	4	M150	-	-	-	-
L909	-	-	-	-	M028	-	-	-	-	M151	-	-	-	-
L910	-	2	2	2	M029	-	-	-	-	M152	-	1	1	1
L918	-	-	-	-	M050	29	87	58	87	M153	-	4	4	4
L919	-	-	-	-	M051	216	318	109	286	M154	-	-	-	-
L920	-	-	-	-	M052	62	43	11	6	M158	-	-	-	-
L921	-	1	1	1	M053	43	86	53	22	M159	26	242	216	242
L922	-	-	-	-	M058	-	-	-	-	M160	-	-	-	-
L923	-	-	-	-	M059	-	-	-	-	M161	-	-	-	-
L928	3	20	17	20	M060	1	2	1	2	M162	-	-	-	-
L929	4	48	44	48	M061	-	1	1	1	M163	-	-	-	-
L930	219	983	764	984	M062	1	1	-	1	M164	-	-	-	-
L931	-	-	-	-	M063	-	1	1	1	M165	-	-	-	-
L932	-	2	2	2	M064	3	34	31	34	M166	-	-	-	-
L940	-	-	-	-	M068	1	3	2	3	M167	-	-	-	-
L941	-	1	1	1	M069	2394	9444	7055	9763	M169	18	110	92	110
L942	-	1	1	1	M080	12	28	16	28	M170	-	-	-	-
L943	-	4	4	4	M081	-	-	-	-	M171	-	-	-	-
L944	-	-	-	-	M082	1	4	3	4	M172	-	-	-	-
L945	-	-	-	-	M083	-	-	-	-	M173	-	-	-	-
L946	-	-	-	-	M084	-	-	-	-	M174	-	-	-	-
L948	-	1	1	1	M088	-	-	-	-	M175	-	-	-	-
L949	2	7	5	7	M089	-	-	-	-	M179	22	145	123	145
L950	-	-	-	-	M100	20	148	128	148	M180	-	1	1	1
L951	-	1	1	1	M101	-	-	-	-	M181	-	-	-	-
L958	1	2	1	2	M102	-	-	-	-	M182	-	-	-	-
L959	-	1	1	1	M103	1	5	4	5	M183	-	-	-	-
L97	154	934	780	1350	M104	-	-	-	-	M184	-	-	-	-
L980	-	2	2	2	M109	41	1433	1393	1437	M185	-	-	-	-
L981	-	-	-	-	M110	-	-	-	-	M189	-	5	5	5
L982	2	13	11	13	M111	-	-	-	-	M190	1	4	3	4
L983	-	-	-	-	M112	-	20	20	20	M191	-	-	-	-
L984	130	875	745	984	M118	-	-	-	-	M192	4	16	12	16
L985	-	1	1	1	M119	1	2	1	2	M198	5	35	30	35
L986	-	-	-	-	M120	-	-	-	-	M199	765	14054	13294	14077
L988	7	152	146	153	M121	-	-	-	-	M200	-	-	-	-
L989	15	87	72	88	M122	-	-	-	-	M201	1	6	5	6
M000	3	6	3	6	M123	1	2	1	2	M202	-	-	-	-

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
M203	-	-	-	-	M255	-	48	48	48	M403	-	-	-	-
M204	-	-	-	-	M256	-	2	2	2	M404	-	-	-	-
M205	-	-	-	-	M257	1	5	4	5	M405	-	6	6	6
M206	-	-	-	-	M258	4	61	57	61	M410	-	-	-	-
M210	-	-	-	-	M259	46	774	728	805	M411	1	1	-	1
M211	-	-	-	-	M300	74	134	60	151	M412	1	2	1	2
M212	-	1	1	1	M301	31	32	11	15	M413	3	4	1	5
M213	-	6	6	6	M302	-	-	-	-	M414	-	2	2	2
M214	-	-	-	-	M303	2	5	3	5	M415	2	36	34	40
M215	-	-	-	-	M308	-	1	1	1	M418	2	10	8	10
M216	-	1	1	1	M310	102	161	60	162	M419	261	789	529	970
M217	-	2	2	2	M311	384	528	147	531	M420	-	-	-	-
M218	-	-	-	-	M312	-	1	1	1	M421	-	1	1	1
M219	1	14	13	14	M313	312	512	200	512	M429	-	1	1	1
M220	-	-	-	-	M314	9	14	5	14	M430	1	7	6	7
M221	-	-	-	-	M315	-	-	-	-	M431	7	24	17	24
M222	-	-	-	-	M316	127	617	491	618	M432	7	58	51	58
M223	-	-	-	-	M318	6	12	6	12	M433	-	1	1	-
M224	-	-	-	-	M319	3	10	7	10	M434	-	1	1	2
M228	-	1	1	1	M320	3	16	13	16	M435	-	1	1	1
M229	-	-	-	-	M321	1149	1239	436	686	M436	2	11	9	11
M230	-	-	-	-	M328	2	2	-	2	M438	-	1	1	1
M231	-	-	-	-	M329	168	948	795	1553	M439	-	14	14	15
M232	-	-	-	-	M330	-	-	-	-	M45	34	225	192	226
M233	-	-	-	-	M331	107	203	96	204	M460	-	-	-	-
M234	-	-	-	-	M332	222	460	240	462	M461	-	1	1	1
M235	-	-	-	-	M339	1	1	-	1	M462	79	175	96	175
M236	-	-	-	-	M340	60	84	24	84	M463	1	2	1	2
M238	-	-	-	-	M341	103	209	106	209	M464	22	72	50	72
M239	-	2	2	2	M342	-	-	-	-	M465	-	-	-	-
M240	-	1	1	1	M348	550	367	112	29	M468	-	2	2	2
M241	-	-	-	-	M349	578	1295	740	1691	M469	8	69	61	69
M242	-	-	-	-	M350	70	267	197	267	M470	-	-	-	-
M243	-	4	4	4	M351	4	12	8	12	M471	10	13	7	8
M244	1	18	17	18	M352	7	15	8	15	M472	-	-	-	-
M245	8	107	99	107	M353	84	1016	932	1016	M478	24	151	127	156
M246	3	29	26	29	M354	-	-	-	-	M479	16	243	227	243
M247	-	1	1	1	M355	-	-	-	-	M480	122	1367	1245	1367
M248	-	6	6	6	M356	1	4	3	4	M481	2	6	4	6
M249	-	4	4	4	M357	-	-	-	-	M482	-	-	-	-
M250	-	4	4	4	M358	6	17	11	17	M483	-	1	1	1
M251	-	1	1	1	M359	313	543	231	579	M484	1	1	-	1
M252	-	1	1	1	M400	-	-	-	-	M485	-	31	31	31
M253	-	3	3	3	M401	1	54	53	54	M488	6	18	12	18
M254	1	3	2	3	M402	69	443	374	444	M489	33	97	64	97



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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
M500	-	4	4	3	M625	10	62	52	62	M723	-	-	-	-
M501	1	1	-	1	M626	2	12	10	12	M724	-	-	-	-
M502	5	12	7	12	M628	417	1225	808	1225	M725	354	809	456	810
M503	5	21	16	22	M629	8	29	21	30	M728	1	1	-	1
M508	-	-	-	-	M650	1	1	-	1	M729	-	2	2	2
M509	1	5	4	5	M651	-	-	-	-	M750	-	4	4	4
M510	3	2	-	1	M652	-	-	-	-	M751	1	10	9	10
M511	-	1	1	1	M653	-	-	-	-	M752	-	-	-	-
M512	13	67	54	67	M654	-	-	-	-	M753	-	-	-	-
M513	9	175	166	176	M658	-	-	-	-	M754	-	-	-	-
M514	-	-	-	-	M659	-	1	1	1	M755	-	4	4	4
M518	-	1	1	1	M660	-	-	-	-	M758	1	5	4	5
M519	2	51	49	53	M661	-	-	-	-	M759	-	1	1	1
M530	-	-	-	-	M662	-	-	-	-	M760	-	-	-	-
M531	1	6	5	6	M663	-	-	-	-	M761	-	-	-	-
M532	1	9	8	9	M664	-	-	-	-	M762	-	-	-	-
M533	1	1	-	1	M665	1	3	2	3	M763	-	1	1	1
M538	2	21	19	21	M670	-	-	-	-	M764	-	-	-	-
M539	-	7	7	8	M671	-	1	1	1	M765	-	-	-	-
M540	-	-	-	-	M672	-	1	1	1	M766	-	1	1	1
M541	3	85	82	85	M673	-	-	-	-	M767	-	-	-	-
M542	-	14	14	14	M674	1	8	7	8	M768	-	-	-	-
M543	1	22	21	23	M678	-	1	1	1	M769	-	-	-	-
M544	-	1	1	-	M679	-	1	1	1	M770	-	-	-	-
M545	3	117	114	118	M700	-	-	-	-	M771	-	-	-	-
M546	-	1	1	1	M701	-	-	-	-	M772	-	-	-	-
M548	1	8	7	8	M702	3	10	7	10	M773	-	-	-	-
M549	20	318	298	319	M703	1	2	1	2	M774	-	-	-	-
M600	25	71	46	72	M704	-	4	4	4	M775	-	-	-	-
M601	-	-	-	-	M705	-	-	-	-	M778	-	-	-	-
M602	-	1	1	1	M706	-	2	2	2	M779	1	4	3	4
M608	2	17	15	17	M707	-	2	2	2	M790	3	165	162	166
M609	45	128	83	128	M708	-	-	-	-	M791	1	13	12	13
M610	-	-	-	-	M709	-	-	-	-	M792	2	36	34	40
M611	1	4	3	4	M710	-	-	-	-	M793	13	33	20	33
M612	-	-	-	-	M711	1	5	4	5	M794	-	-	-	-
M613	-	-	-	-	M712	-	-	-	-	M795	-	-	-	-
M614	-	-	-	-	M713	-	-	-	-	M796	4	37	33	37
M615	3	4	1	4	M714	-	-	-	-	M798	6	42	36	42
M619	1	1	-	1	M715	-	3	3	3	M799	1	6	5	6
M620	-	-	-	-	M718	-	1	1	1	M800	-	-	-	-
M621	1	3	2	3	M719	-	10	10	10	M801	-	-	-	-
M622	-	-	-	-	M720	1	4	3	4	M802	-	-	-	-
M623	44	109	65	109	M721	-	-	-	-	M803	1	1	-	-
M624	-	20	20	20	M722	-	1	1	1	M804	1	4	3	3

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
M805	-	-	-	-	M870	-	-	-	-	M950	-	-	-	-
M808	4	9	5	2	M871	-	1	1	1	M951	-	-	-	-
M809	688	2348	1661	100	M872	-	-	-	-	M952	-	-	-	-
M810	1	13	12	13	M873	-	1	1	1	M953	-	2	2	2
M811	-	-	-	-	M878	6	47	41	47	M954	7	29	22	29
M812	-	-	-	-	M879	6	36	30	36	M955	-	1	1	1
M813	1	1	-	2	M880	2	4	2	4	M958	-	1	1	1
M814	-	4	4	5	M888	1	7	6	7	M959	-	9	9	9
M815	-	-	-	-	M889	65	521	456	521	M960	...	-	-	-
M816	-	-	-	-	M890	1	20	19	20	M961	...	2	2	2
M818	14	16	13	22	M891	-	-	-	-	M962	...	-	-	-
M819	932	10230	9310	12503	M892	-	-	-	-	M963	...	-	-	-
M830	-	-	-	-	M893	-	-	-	-	M964	...	-	-	-
M831	-	-	-	-	M894	-	1	1	1	M965	...	-	-	-
M832	-	-	-	-	M895	-	5	5	5	M966	...	2	2	2
M833	-	-	-	-	M896	-	1	1	1	M968	...	11	11	11
M834	1	1	-	1	M898	25	197	172	197	M969	...	3	3	3
M835	-	-	-	-	M899	13	77	64	81	M990	-	-	-	-
M838	-	2	2	2	M910	-	-	-	-	M991	-	-	-	-
M839	1	10	9	10	M911	-	1	1	1	M992	-	-	-	-
M840	1	2	1	2	M912	-	-	-	-	M993	-	-	-	-
M841	8	41	33	42	M913	-	-	-	-	M994	-	-	-	-
M842	-	-	-	-	M918	-	-	-	-	M995	-	-	-	-
M843	1	7	6	7	M919	10	27	17	27	M996	-	-	-	-
M844	95	953	858	3183	M920	-	-	-	-	M997	-	-	-	-
M848	1	1	-	1	M921	-	-	-	-	M998	-	-	-	-
M849	1	2	1	2	M922	-	-	-	-	M999	-	-	-	-
M850	1	2	1	2	M923	-	-	-	-	N000	-	2	2	2
M851	-	-	-	-	M924	-	-	-	-	N001	-	-	-	-
M852	-	2	2	2	M925	-	-	-	-	N002	-	-	-	-
M853	-	-	-	-	M926	-	-	-	-	N003	-	-	-	-
M854	-	-	-	-	M927	-	-	-	-	N004	-	-	-	-
M855	1	1	-	1	M928	-	-	-	-	N005	-	1	1	1
M856	-	2	2	2	M929	-	-	-	-	N006	-	-	-	-
M858	1	4	3	4	M930	-	-	-	-	N007	-	1	1	1
M859	-	-	-	-	M931	-	-	-	-	N008	1	1	-	1
M860	-	-	-	-	M932	-	-	-	-	N009	15	51	36	54
M861	4	6	2	6	M938	-	-	-	-	N010	-	-	-	-
M862	-	-	-	-	M939	-	2	2	2	N011	-	-	-	-
M863	-	-	-	-	M940	-	-	-	-	N012	-	-	-	-
M864	-	-	-	-	M941	6	11	6	12	N013	-	-	-	-
M865	-	-	-	-	M942	1	2	1	2	N014	-	-	-	-
M866	64	189	125	189	M943	-	1	1	1	N015	-	-	-	-
M868	52	97	45	97	M948	4	7	3	7	N016	-	-	-	-
M869	846	2116	1272	2122	M949	-	-	-	-	N017	-	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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
N018	-	-	-	-	N063	-	-	-	-	N178	2	2	-	2
N019	12	27	15	27	N064	-	-	-	-	N179	4576	30403	25843	30623
N020	-	-	-	-	N065	-	-	-	-	N180	6679	25837	19178	30948
N021	-	-	-	-	N066	-	-	-	-	N188	629	86	73	37
N022	-	1	1	1	N067	-	-	-	-	N189	6684	33928	27266	38001
N023	-	-	-	-	N068	-	-	-	-	N19	15975	97427	81566	105093
N024	-	-	-	-	N069	-	1	1	1	N200	195	622	427	650
N025	-	-	-	-	N070	-	-	-	-	N201	12	34	22	40
N026	-	-	-	-	N071	-	-	-	-	N202	2	4	2	1
N027	-	-	-	-	N072	-	-	-	-	N209	14	54	40	54
N028	19	42	23	42	N073	-	-	-	-	N210	8	44	36	44
N029	2	18	16	18	N074	-	-	-	-	N211	3	5	2	5
N030	-	-	-	-	N075	-	-	-	-	N218	-	-	-	-
N031	-	-	-	-	N076	-	-	-	-	N219	-	-	-	-
N032	-	-	-	-	N077	-	-	-	-	N23	1	6	5	6
N033	-	-	-	-	N078	-	-	-	-	N250	2	20	18	20
N034	-	1	1	1	N079	-	-	-	-	N251	5	13	8	13
N035	-	-	-	-	N10	125	276	151	276	N258	26	117	91	117
N036	-	-	-	-	N110	7	7	1	7	N259	1	1	-	1
N037	-	-	-	-	N111	8	22	15	18	N26	55	120	66	156
N038	-	1	1	1	N118	1	3	2	3	N270	-	-	-	-
N039	315	784	472	894	N119	106	260	155	260	N271	-	-	-	-
N040	-	-	-	1	N12	544	1199	656	1205	N279	1	2	1	2
N041	-	-	-	-	N130	2	2	1	2	N280	79	431	353	432
N042	-	-	-	-	N131	-	2	2	-	N281	-	4	4	4
N043	-	-	-	-	N132	15	28	13	-	N288	87	422	335	422
N044	-	-	-	-	N133	91	621	530	651	N289	356	1858	1507	2714
N045	-	-	-	-	N134	1	18	17	18	N300	9	34	25	34
N046	-	-	-	-	N135	69	398	330	404	N301	3	24	21	24
N047	-	-	-	-	N136	5	9	7	8	N302	16	75	59	75
N048	1	2	1	2	N137	2	10	8	10	N303	-	1	1	1
N049	153	509	363	670	N138	20	82	62	82	N304	8	60	52	60
N050	-	1	1	1	N139	270	1116	846	1143	N308	12	38	26	38
N051	7	15	8	16	N140	7	11	4	11	N309	87	368	281	370
N052	28	81	54	87	N141	3	8	5	8	N310	-	-	-	-
N053	1	3	2	3	N142	5	10	5	10	N311	-	-	-	-
N054	-	-	-	-	N143	1	1	-	1	N312	16	60	44	60
N055	8	16	8	17	N144	1	2	1	2	N318	1	4	3	4
N056	-	-	-	-	N150	1	1	-	1	N319	146	731	585	731
N057	6	13	7	14	N151	50	138	88	141	N320	37	180	143	180
N058	18	44	26	44	N158	-	1	1	1	N321	78	321	244	323
N059	130	321	196	357	N159	26	66	40	67	N322	12	59	47	59
N060	-	-	-	-	N170	169	805	636	805	N323	1	7	6	7
N061	-	-	-	-	N171	2	9	7	9	N324	15	59	44	59
N062	-	-	-	-	N172	3	5	2	5	N328	11	117	106	117

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
N329	13	55	42	69	N481	1	2	1	2	N733	-	-	-	-
N340	1	3	2	3	N482	8	29	21	29	N734	-	-	-	-
N341	-	-	-	-	N483	-	1	1	1	N735	2	7	5	7
N342	5	16	11	16	N484	-	-	-	-	N736	2	9	7	9
N343	-	2	2	2	N485	-	2	2	2	N738	-	-	-	-
N350	-	-	-	-	N486	-	-	-	-	N739	72	216	144	216
N351	-	-	-	-	N488	-	4	4	4	N750	1	2	1	2
N358	-	-	-	-	N489	2	2	-	2	N751	-	-	-	-
N359	19	75	56	75	N490	-	-	-	-	N758	-	-	-	-
N360	3	25	22	25	N491	-	2	2	2	N759	-	-	-	-
N361	1	1	-	1	N492	32	67	35	67	N760	2	8	6	8
N362	-	1	1	1	N498	16	24	8	24	N761	-	-	-	-
N363	1	2	1	2	N499	2	4	2	4	N762	1	5	4	5
N368	7	52	45	52	N500	-	2	2	2	N763	-	-	-	-
N369	1	7	6	7	N501	1	2	1	2	N764	1	2	1	2
N390	14021	34368	20386	34513	N508	2	12	10	12	N765	-	-	-	-
N391	2	3	1	3	N509	2	20	18	21	N766	-	1	1	1
N392	-	-	-	-	N600	-	-	-	-	N768	-	1	1	1
N393	-	5	5	5	N601	-	5	5	5	N800	2	4	2	4
N394	-	-	-	-	N602	-	-	-	-	N801	-	-	-	-
N398	2	7	5	7	N603	-	-	-	-	N802	-	-	-	-
N399	19	51	32	77	N604	-	-	-	-	N803	-	-	-	-
N40	430	2672	2242	2672	N608	-	-	-	-	N804	-	-	-	-
N410	5	9	4	9	N609	-	-	-	-	N805	-	-	-	-
N411	5	21	16	21	N61	7	23	16	23	N806	-	-	-	-
N412	5	10	5	10	N62	-	1	1	1	N808	-	-	-	-
N413	1	3	2	1	N63	16	141	125	141	N809	4	8	4	8
N418	-	-	-	-	N640	-	-	-	-	N810	-	-	-	-
N419	18	78	60	80	N641	-	1	1	1	N811	7	24	17	26
N420	-	12	12	12	N642	-	-	-	-	N812	-	-	-	-
N421	2	28	26	28	N643	-	-	-	-	N813	2	6	4	6
N422	-	1	1	1	N644	-	-	-	-	N814	7	35	28	35
N428	2	11	9	11	N645	1	6	5	6	N815	-	1	1	1
N429	52	207	155	226	N648	2	5	3	5	N816	1	3	2	4
N430	-	1	1	1	N649	15	121	106	121	N818	2	3	1	3
N431	-	-	-	-	N700	1	1	-	1	N819	-	-	-	-
N432	-	-	-	-	N701	-	1	1	1	N820	5	21	16	21
N433	-	14	14	14	N709	8	16	8	16	N821	-	1	1	1
N434	-	-	-	-	N710	-	-	-	-	N822	-	2	2	2
N44	-	-	-	-	N711	-	-	-	-	N823	41	159	118	159
N450	2	6	4	6	N719	16	24	8	24	N824	2	23	21	23
N459	2	21	19	21	N72	2	2	-	2	N825	-	-	-	-
N46	-	-	-	-	N730	-	-	-	-	N828	1	3	2	3
N47	-	6	6	6	N731	-	1	1	1	N829	5	33	28	33
N480	-	-	-	-	N732	-	4	4	4	N830	-	-	-	-

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
N831	-	-	-	-	N898	1	4	3	4	N971	-	-	-	-
N832	12	40	28	40	N899	1	4	3	4	N972	-	-	-	-
N833	-	-	-	-	N900	-	1	1	1	N973	-	-	-	-
N834	-	1	1	1	N901	-	-	-	-	N974	-	-	-	-
N835	3	6	3	6	N902	-	-	-	-	N978	-	-	-	-
N836	-	-	-	-	N903	-	-	-	-	N979	-	-	-	-
N837	-	-	-	-	N904	-	-	-	-	N980	-	-	-	-
N838	4	15	11	15	N905	-	-	-	-	N981	-	-	-	-
N839	26	99	73	107	N906	-	-	-	-	N982	-	-	-	-
N840	-	1	1	1	N907	1	1	-	1	N983	-	-	-	-
N841	-	1	1	1	N908	1	3	2	3	N988	-	-	-	-
N842	-	-	-	-	N909	1	1	-	1	N989	-	-	-	-
N843	-	-	-	-	N910	-	-	-	-	N990	...	464	464	464
N848	-	-	-	-	N911	-	-	-	-	N991	...	-	-	-
N849	-	-	-	-	N912	-	-	-	-	N992	...	-	-	-
N850	1	5	4	5	N913	-	-	-	-	N993	...	-	-	-
N851	-	-	-	-	N914	-	-	-	-	N994	...	2	2	2
N852	-	5	5	5	N915	-	-	-	-	N995	...	1	1	1
N853	-	-	-	-	N920	-	4	4	4	N998	...	92	92	92
N854	-	-	-	-	N921	-	1	1	1	N999	...	11	11	11
N855	-	-	-	-	N922	-	-	-	-	O000	-	1	1	1
N856	-	1	1	1	N923	-	-	-	-	O001	5	6	1	6
N857	-	-	-	-	N924	-	-	-	-	O002	-	-	-	-
N858	3	18	15	18	N925	-	-	-	-	O008	-	-	-	-
N859	6	149	143	156	N926	-	-	-	-	O009	14	15	1	17
N86	1	5	4	5	N930	-	1	1	1	O010	-	-	-	-
N870	-	-	-	-	N938	3	7	4	7	O011	-	-	-	-
N871	-	-	-	-	N939	22	178	156	178	O019	1	2	1	2
N872	-	-	-	-	N940	-	-	-	-	O020	1	1	-	1
N879	1	5	4	5	N941	-	-	-	-	O021	-	-	-	-
N880	-	-	-	-	N942	-	-	-	-	O028	-	-	-	-
N881	-	-	-	-	N943	-	-	-	-	O029	-	1	1	1
N882	6	35	29	35	N944	-	-	-	-	O030	-	-	-	-
N883	13	20	7	20	N945	-	-	-	-	O031	-	-	-	-
N884	-	-	-	-	N946	-	1	1	1	O032	-	-	-	-
N888	-	15	15	15	N948	6	35	29	35	O033	-	-	-	-
N889	-	1	1	1	N949	2	11	9	13	O034	-	-	-	-
N890	-	-	-	-	N950	2	12	10	12	O035	1	-	-	-
N891	-	-	-	-	N951	3	52	49	52	O036	-	1	1	-
N892	-	-	-	-	N952	1	3	2	3	O037	-	-	-	-
N893	-	-	-	-	N953	-	-	-	-	O038	1	1	-	-
N894	-	-	-	-	N958	-	3	3	3	O039	2	3	1	5
N895	-	1	1	1	N959	-	1	1	1	O040	-	-	-	-
N896	-	-	-	-	N96	-	-	-	-	O041	-	-	-	-
N897	-	-	-	-	N970	-	-	-	-	O042	-	-	-	-

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
O043	-	-	-	-	O088	...	6	6	8	O241	-	-	-	-
O044	-	-	-	-	O089	...	-	-	-	O242	-	-	-	-
O045	-	-	-	-	O100	2	4	2	4	O243	-	-	-	-
O046	-	-	-	-	O101	2	2	1	4	O244	1	3	2	3
O047	-	-	-	-	O102	-	-	-	-	O249	2	4	2	4
O048	1	-	-	-	O103	-	-	-	-	O25	-	1	1	1
O049	-	1	1	1	O104	-	-	-	-	O260	-	1	1	1
O050	-	-	-	-	O109	-	-	-	-	O261	-	-	-	-
O051	-	-	-	-	O11	1	2	1	-	O262	-	-	-	-
O052	-	-	-	-	O120	-	2	2	2	O263	-	-	-	-
O053	-	-	-	-	O121	-	-	-	1	O264	-	-	-	-
O054	-	-	-	-	O122	-	-	-	-	O265	-	-	-	-
O055	-	-	-	-	O13	1	1	-	1	O266	7	14	7	14
O056	-	-	-	-	O140	-	-	-	-	O267	-	-	-	-
O057	-	-	-	-	O141	19	25	6	25	O268	9	18	9	18
O058	-	-	-	-	O149	24	32	9	41	O269	-	-	-	1
O059	-	-	-	-	O150	7	7	-	7	O280	-	-	-	-
O060	-	1	1	1	O151	-	1	1	1	O281	-	-	-	-
O061	-	-	-	-	O152	1	1	-	1	O282	-	-	-	-
O062	-	-	-	-	O159	25	30	5	30	O283	-	-	-	-
O063	-	-	-	-	O16	12	17	5	25	O284	-	-	-	-
O064	-	-	-	-	O200	-	-	-	-	O285	-	-	-	-
O065	-	-	-	-	O208	-	-	-	-	O288	-	-	-	-
O066	1	-	-	-	O209	-	-	-	-	O289	-	-	-	-
O067	-	-	-	-	O210	-	-	-	-	O290	1	1	-	1
O068	-	1	1	1	O211	-	-	-	-	O291	1	3	2	3
O069	3	5	2	5	O212	-	-	-	-	O292	-	-	-	-
O070	-	-	-	-	O218	-	-	-	-	O293	-	-	-	-
O071	-	-	-	-	O219	1	1	-	1	O294	-	-	-	-
O072	-	-	-	-	O220	-	-	-	-	O295	-	1	1	1
O073	1	1	-	-	O221	-	-	-	-	O296	-	-	-	-
O074	-	-	-	1	O222	-	-	-	-	O298	-	-	-	-
O075	-	-	-	-	O223	1	1	-	1	O299	-	-	-	-
O076	-	-	-	-	O224	-	-	-	-	O300	1	2	1	2
O077	-	-	-	-	O225	-	-	-	-	O301	1	1	-	1
O078	-	-	-	-	O228	1	1	-	1	O302	-	-	-	-
O079	-	-	-	-	O229	2	2	-	2	O308	-	-	-	-
O080	...	3	3	3	O230	-	-	-	-	O309	-	-	-	-
O081	...	6	6	7	O231	-	-	-	-	O310	-	-	-	-
O082	...	1	1	1	O232	-	-	-	-	O311	-	-	-	-
O083	...	3	3	3	O233	-	-	-	-	O312	-	-	-	-
O084	...	1	1	1	O234	-	-	-	-	O318	-	-	-	-
O085	...	1	1	1	O235	2	2	-	2	O320	-	-	-	-
O086	...	-	-	-	O239	-	-	-	-	O321	1	4	3	4
O087	...	1	1	1	O240	1	2	1	2	O322	-	-	-	-

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
O323	-	-	-	-	O369	-	-	-	-	O643	-	-	-	-
O324	-	-	-	-	O40	-	-	-	-	O644	-	-	-	-
O325	-	-	-	-	O410	-	-	-	-	O645	-	-	-	-
O326	-	-	-	-	O411	2	4	2	4	O648	-	-	-	-
O328	-	-	-	-	O418	-	-	-	-	O649	-	-	-	-
O329	-	-	-	-	O419	-	-	-	-	O650	-	-	-	-
O330	-	-	-	-	O420	-	-	-	-	O651	-	-	-	-
O331	-	-	-	-	O421	-	-	-	-	O652	-	-	-	-
O332	-	-	-	-	O422	-	-	-	-	O653	-	-	-	-
O333	-	-	-	-	O429	3	3	-	3	O654	-	-	-	-
O334	-	-	-	-	O430	-	-	-	-	O655	-	-	-	-
O335	-	-	-	-	O431	-	-	-	-	O658	-	-	-	-
O336	-	-	-	-	O438	-	-	-	-	O659	-	-	-	-
O337	-	-	-	-	O439	-	-	-	-	O660	-	-	-	-
O338	-	-	-	-	O440	-	-	-	-	O661	-	-	-	-
O339	-	1	1	1	O441	2	12	10	12	O662	-	-	-	-
O340	-	1	1	1	O450	-	-	-	-	O663	-	-	-	-
O341	-	2	2	2	O458	-	-	-	-	O664	-	-	-	-
O342	-	-	-	-	O459	11	18	7	18	O665	-	-	-	-
O343	1	1	-	1	O460	1	1	-	1	O668	-	-	-	-
O344	-	-	-	-	O468	2	4	2	4	O669	-	-	-	-
O345	-	-	-	-	O469	4	12	8	13	O670	3	8	5	8
O346	-	-	-	-	O470	-	-	-	-	O678	-	-	-	-
O347	-	-	-	-	O471	-	-	-	-	O679	5	7	2	7
O348	-	1	1	1	O479	-	-	-	-	O680	-	-	-	-
O349	-	-	-	-	O48	-	1	1	1	O681	-	-	-	-
O350	-	-	-	-	O60	-	-	-	-	O682	-	-	-	-
O351	-	-	-	-	O610	-	-	-	-	O683	-	-	-	-
O352	-	-	-	-	O611	-	-	-	-	O688	-	2	2	2
O353	-	-	-	-	O618	-	-	-	-	O689	-	1	1	1
O354	-	-	-	-	O619	-	-	-	-	O690	-	-	-	-
O355	-	-	-	-	O620	-	-	-	-	O691	-	-	-	-
O356	-	-	-	-	O621	-	-	-	-	O692	-	1	1	1
O357	-	-	-	-	O622	3	5	2	5	O693	-	-	-	-
O358	-	-	-	-	O623	-	-	-	-	O694	-	-	-	-
O359	-	-	-	-	O624	-	-	-	-	O695	-	-	-	-
O360	-	-	-	-	O628	-	-	-	-	O698	-	-	-	-
O361	-	-	-	-	O629	-	-	-	-	O699	-	-	-	-
O362	-	-	-	-	O630	-	-	-	-	O700	-	-	-	-
O363	1	2	1	2	O631	-	-	-	-	O701	-	-	-	-
O364	11	12	1	12	O632	-	-	-	-	O702	-	-	-	-
O365	-	-	-	-	O639	-	-	-	-	O703	-	-	-	-
O366	-	-	-	-	O640	-	-	-	-	O709	-	-	-	-
O367	-	-	-	-	O641	-	-	-	-	O710	-	-	-	-
O368	-	-	-	-	O642	-	-	-	-	O711	2	6	4	6

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
O712	-	-	-	-	O878	-	-	-	-	O988	3	12	9	19
O713	-	-	-	-	O879	-	1	1	1	O989	-	1	1	1
O714	-	-	-	-	O880	1	1	-	1	O990	1	3	2	6
O715	1	1	-	1	O881	35	43	8	43	O991	-	12	12	27
O716	-	-	-	-	O882	17	24	7	25	O992	1	7	6	16
O717	1	1	-	1	O883	-	-	-	-	O993	-	17	17	28
O718	-	1	1	1	O888	-	-	-	-	O994	16	74	58	124
O719	-	-	-	-	O890	-	-	-	-	O995	3	21	19	49
O720	7	9	2	9	O891	-	2	2	2	O996	1	8	7	11
O721	5	20	15	21	O892	-	1	1	1	O997	-	-	-	-
O722	2	3	1	3	O893	-	-	-	-	O998	22	31	17	43
O723	3	9	6	9	O894	-	-	-	-	P000	73	87	14	87
O730	-	-	-	-	O895	-	-	-	-	P001	3	5	2	5
O731	-	-	-	-	O896	-	-	-	-	P002	15	25	10	25
O740	-	-	-	-	O898	1	1	-	1	P003	4	10	6	10
O741	-	-	-	-	O899	-	-	-	-	P004	-	1	1	1
O742	2	2	-	2	O900	-	-	-	-	P005	21	40	19	40
O743	-	-	-	-	O901	-	-	-	-	P006	-	-	-	-
O744	-	-	-	-	O902	-	-	-	-	P007	-	1	1	1
O745	-	-	-	-	O903	22	25	3	25	P008	23	52	29	52
O746	-	-	-	-	O904	-	3	3	3	P009	2	3	1	3
O747	-	-	-	-	O905	-	-	-	-	P010	384	413	29	413
O748	1	1	-	1	O908	1	2	1	2	P011	647	925	278	925
O749	2	2	-	4	O909	-	-	-	-	P012	63	213	150	213
O750	-	1	1	1	O910	-	-	-	-	P013	23	37	14	37
O751	2	12	10	12	O911	-	-	-	-	P014	1	1	-	1
O752	-	-	-	-	O912	-	-	-	-	P015	225	460	235	460
O753	-	2	2	2	O920	-	-	-	-	P016	11	16	5	16
O754	7	13	6	13	O921	-	-	-	-	P017	-	3	3	3
O755	-	-	-	-	O922	-	-	-	-	P018	44	63	19	63
O756	-	-	-	-	O923	-	-	-	-	P019	1	1	-	1
O757	-	-	-	-	O924	-	-	-	-	P020	21	35	14	35
O758	3	3	-	3	O925	-	-	-	-	P021	445	564	119	564
O759	11	24	15	71	O926	-	-	-	-	P022	16	26	10	31
O85	5	10	5	10	O927	-	-	-	-	P023	54	114	60	114
O860	-	-	-	-	O95	5	16	11	34	P024	32	47	15	47
O861	-	-	-	-	O96	5	4	-	4	P025	17	26	9	29
O862	-	-	-	-	O97	10	14	4	14	P026	15	20	5	21
O863	-	-	-	-	O980	-	2	2	3	P027	432	604	172	604
O864	2	3	1	3	O981	-	-	-	-	P028	1	2	1	2
O868	-	-	-	-	O982	-	-	-	-	P029	-	1	1	1
O870	-	-	-	-	O983	-	-	-	-	P030	10	20	10	20
O871	-	-	-	-	O984	-	-	-	1	P031	7	9	2	9
O872	-	-	-	-	O985	-	-	-	-	P032	2	3	1	3
O873	-	1	1	1	O986	-	1	1	1	P033	2	2	-	2



- 42 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
P034	2	8	6	8	P129	-	-	-	-	P243	-	-	-	-
P035	11	22	11	22	P130	-	2	2	2	P248	-	-	-	-
P036	6	14	8	14	P131	-	-	-	-	P249	10	34	24	35
P038	63	96	33	96	P132	-	-	-	-	P250	104	248	144	248
P039	42	73	31	78	P133	-	1	1	1	P251	117	378	261	378
P040	-	-	-	-	P134	-	1	1	1	P252	1	5	4	5
P041	1	2	1	2	P138	-	-	-	-	P253	6	22	16	22
P042	-	4	4	4	P139	-	2	2	2	P258	2	4	2	4
P043	1	3	2	3	P140	-	-	-	-	P260	-	-	-	-
P044	28	64	36	64	P141	-	-	-	-	P261	15	21	6	21
P045	-	-	-	-	P142	-	-	-	-	P268	-	-	-	-
P046	-	1	1	1	P143	-	-	-	-	P269	254	481	227	481
P048	-	4	4	4	P148	-	-	-	-	P270	1	1	-	1
P049	2	6	4	6	P149	-	-	-	-	P271	335	477	142	477
P050	1	1	-	1	P150	4	6	2	6	P278	2	3	1	3
P051	3	19	16	19	P151	-	-	-	-	P279	42	69	27	69
P052	-	-	-	-	P152	-	-	-	-	P280	644	923	279	923
P059	58	152	94	152	P153	-	-	-	-	P281	3	13	10	13
P070	140	162	38	479	P154	-	-	-	-	P282	-	-	2	2
P071	20	30	14	115	P155	-	-	-	-	P283	-	-	-	-
P072	3186	3573	646	9264	P156	-	-	-	-	P284	11	72	61	72
P073	1053	1639	651	5724	P158	1	3	2	3	P285	36	2153	2117	2153
P080	-	-	-	1	P159	11	17	6	22	P288	11	56	45	56
P081	-	-	-	1	P200	2	3	1	3	P289	13	17	6	23
P082	-	1	1	3	P201	-	-	-	-	P290	382	1252	870	1252
P100	-	1	1	1	P209	112	403	291	403	P291	643	1833	1190	1833
P101	-	2	2	2	P210	41	98	57	98	P292	9	35	26	35
P102	-	1	1	1	P211	-	-	-	-	P293	1	12	11	12
P103	-	-	-	-	P219	499	1176	677	1176	P294	2	12	10	12
P104	-	-	-	-	P220	1024	1668	644	1668	P298	18	62	44	62
P108	-	-	-	-	P221	-	-	-	-	P299	1	4	3	5
P109	-	1	1	1	P228	-	5	5	5	P350	8	21	13	21
P110	-	-	-	-	P229	89	197	108	201	P351	24	35	11	36
P111	1	2	1	2	P230	1	2	1	2	P352	23	29	6	29
P112	8	12	4	12	P231	-	-	-	-	P353	1	1	-	1
P113	-	-	-	-	P232	-	1	1	1	P358	2	5	3	5
P114	-	-	-	-	P233	-	-	-	-	P359	3	3	1	4
P115	2	5	3	5	P234	1	2	1	2	P360	31	49	18	49
P119	3	4	1	4	P235	2	3	1	3	P361	11	19	8	19
P120	-	1	1	1	P236	-	2	2	2	P362	9	18	9	18
P121	-	-	-	-	P238	-	1	1	1	P363	8	18	10	18
P122	-	-	-	-	P239	79	190	111	190	P364	11	21	10	21
P123	-	-	-	-	P240	71	109	38	109	P365	-	-	-	-
P124	-	-	-	-	P241	7	11	4	11	P368	106	171	65	171
P128	-	-	-	-	P242	-	-	-	-	P369	517	1222	706	1256

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
P370	-	-	-	-	P549	15	54	39	69	P714	-	-	-	-
P371	11	19	8	19	P550	2	5	3	6	P718	-	2	2	2
P372	2	3	1	3	P551	-	2	2	2	P719	-	-	-	-
P373	-	-	-	-	P558	-	-	-	1	P720	-	-	-	-
P374	-	-	-	-	P559	3	4	1	4	P721	-	2	2	2
P375	62	84	22	84	P560	3	2	-	-	P722	-	-	-	-
P378	6	8	2	8	P569	-	-	-	-	P728	1	1	-	1
P379	-	-	-	-	P570	1	2	1	2	P729	-	-	-	-
P38	-	10	10	10	P578	-	-	-	-	P740	4	18	14	18
P390	-	-	-	-	P579	2	2	-	2	P741	9	37	28	37
P391	-	-	-	-	P580	-	-	-	-	P742	1	1	-	1
P392	5	7	2	7	P581	1	2	1	-	P743	-	1	1	1
P393	2	9	7	9	P582	1	4	3	-	P744	1	5	4	5
P394	-	1	1	1	P583	-	-	-	-	P745	-	-	-	-
P398	8	15	7	15	P584	-	-	-	-	P748	-	-	-	-
P399	50	89	40	99	P585	-	-	-	-	P749	-	-	-	-
P500	-	1	1	1	P588	-	-	-	-	P760	1	6	5	6
P501	1	5	4	5	P589	-	-	-	-	P761	-	-	-	-
P502	-	-	-	-	P590	-	7	7	-	P762	1	1	-	1
P503	2	4	2	4	P591	-	1	1	1	P768	1	6	5	6
P504	8	11	3	11	P592	1	4	3	4	P769	4	13	9	14
P505	-	-	-	-	P593	-	-	-	-	P77	405	464	59	464
P508	2	3	1	3	P598	-	-	-	-	P780	50	147	97	147
P509	12	16	4	16	P599	3	9	6	22	P781	16	30	14	30
P510	-	-	-	-	P60	60	212	152	212	P782	-	-	-	-
P518	-	-	-	-	P610	1	6	5	6	P783	1	4	3	4
P519	1	1	-	1	P611	-	1	1	1	P788	-	2	2	2
P520	-	1	1	1	P612	6	89	83	1	P789	-	1	1	1
P521	-	-	-	-	P613	2	-	-	-	P800	-	-	-	-
P522	-	1	1	1	P614	23	58	42	146	P808	-	1	1	1
P523	270	717	447	718	P615	-	1	1	1	P809	9	27	18	27
P524	33	116	83	117	P616	3	7	4	7	P810	-	1	1	1
P525	1	5	4	5	P618	-	-	-	-	P818	-	-	-	-
P526	1	1	-	1	P619	1	1	-	1	P819	2	2	-	2
P528	7	16	9	16	P700	4	5	1	5	P830	1	1	-	1
P529	128	267	139	272	P701	3	23	20	23	P831	-	-	-	-
P53	1	2	1	2	P702	1	11	10	11	P832	190	344	154	346
P540	-	-	-	-	P703	1	1	-	1	P833	4	10	6	10
P541	-	-	-	-	P704	3	11	8	11	P834	-	-	-	-
P542	-	-	-	-	P708	-	-	-	-	P835	-	-	-	-
P543	5	17	12	17	P709	-	-	-	-	P836	-	-	-	-
P544	-	2	2	2	P710	-	-	-	-	P838	-	-	-	-
P545	3	10	7	10	P711	1	7	6	7	P839	-	-	-	-
P546	1	5	4	5	P712	-	-	-	-	P90	16	94	78	94
P548	16	51	35	51	P713	-	-	-	-	P910	6	13	7	13

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
P911	-	-	-	-	Q043	76	117	41	117	Q130	-	-	-	-
P912	7	26	19	26	Q044	6	7	1	7	Q131	-	-	-	-
P913	-	-	-	-	Q045	4	4	-	4	Q132	-	-	-	-
P914	3	5	2	5	Q046	41	61	20	61	Q133	-	1	1	1
P915	-	-	-	-	Q048	22	36	14	36	Q134	-	1	1	1
P918	1	4	3	4	Q049	121	171	51	207	Q135	-	-	-	-
P919	-	-	-	-	Q050	-	-	-	-	Q138	-	-	-	-
P920	2	3	1	3	Q051	-	1	1	-	Q139	-	-	-	-
P921	-	-	-	-	Q052	-	-	-	-	Q140	-	-	-	-
P922	-	-	-	-	Q053	-	-	-	-	Q141	-	1	1	1
P923	-	-	-	-	Q054	20	39	19	-	Q142	-	-	-	-
P924	-	-	-	-	Q055	1	1	-	1	Q143	-	-	-	-
P925	-	-	-	-	Q056	1	1	-	2	Q148	-	1	1	1
P928	-	-	-	-	Q057	-	1	1	1	Q149	-	-	-	-
P929	-	1	1	1	Q058	-	-	-	-	Q150	-	3	3	3
P93	-	-	-	-	Q059	90	217	127	256	Q158	1	4	3	4
P940	-	-	-	-	Q060	-	1	1	1	Q159	-	3	3	3
P941	-	1	1	1	Q061	-	2	2	2	Q160	-	-	-	-
P942	4	7	3	7	Q062	-	-	-	-	Q161	-	-	-	-
P948	-	-	-	-	Q063	-	1	1	1	Q162	-	-	-	-
P949	-	-	-	-	Q064	-	1	1	1	Q163	-	-	-	-
P960	45	100	55	100	Q068	-	-	-	-	Q164	-	-	-	-
P961	1	2	1	2	Q069	3	3	-	3	Q165	-	-	-	-
P962	-	-	-	-	Q070	22	47	25	47	Q169	-	-	-	-
P963	-	1	1	1	Q078	2	4	2	4	Q170	-	-	-	-
P964	43	77	34	77	Q079	25	40	15	48	Q171	-	-	-	-
P965	-	-	-	-	Q100	-	-	-	-	Q172	-	-	-	-
P968	51	127	76	127	Q101	-	-	-	-	Q173	-	-	-	-
P969	14	9	-	25	Q102	-	-	-	-	Q174	-	2	2	2
Q000	317	332	15	332	Q103	-	1	1	1	Q175	-	-	-	-
Q001	-	-	-	-	Q104	-	-	-	-	Q178	-	-	-	-
Q002	-	-	-	-	Q105	-	-	-	-	Q179	-	6	6	6
Q010	1	1	-	1	Q106	-	-	-	-	Q180	-	-	-	-
Q011	-	-	-	-	Q107	-	-	-	-	Q181	-	-	-	-
Q012	4	4	-	4	Q110	-	-	-	-	Q182	-	-	-	-
Q018	3	3	-	3	Q111	-	1	1	1	Q183	1	3	2	3
Q019	43	58	15	58	Q112	-	6	6	6	Q184	1	5	4	5
Q02	84	154	70	154	Q113	-	-	-	-	Q185	-	1	1	1
Q030	7	14	7	14	Q120	-	2	2	2	Q186	-	-	-	-
Q031	31	48	17	48	Q121	-	-	-	-	Q187	-	-	-	-
Q038	3	3	-	3	Q122	-	-	-	-	Q188	-	-	-	-
Q039	143	258	115	310	Q123	-	-	-	-	Q189	1	14	13	14
Q040	14	38	24	38	Q124	-	-	-	-	Q200	46	66	20	66
Q041	1	2	1	2	Q128	-	-	-	-	Q201	36	70	34	70
Q042	91	130	39	130	Q129	-	-	-	-	Q202	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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS
Q203	114	152	38	152	Q257	10	30	20	30	Q332	-	3	3	3
Q204	29	39	10	39	Q258	-	2	2	2	Q333	12	17	5	17
Q205	-	-	-	-	Q259	-	-	-	-	Q334	3	4	1	4
Q206	1	1	-	1	Q260	-	-	-	-	Q335	-	-	-	-
Q208	45	63	18	63	Q261	-	-	-	-	Q336	503	980	477	980
Q209	-	1	1	1	Q262	15	19	4	19	Q338	1	4	3	4
Q210	241	493	252	495	Q263	1	7	6	7	Q339	18	32	14	32
Q211	331	573	244	575	Q264	30	56	26	56	Q340	-	-	-	-
Q212	59	125	66	125	Q265	-	2	2	2	Q341	-	-	-	-
Q213	202	303	101	303	Q266	-	-	-	-	Q348	2	4	2	4
Q214	-	1	1	1	Q268	10	21	11	21	Q349	3	6	3	7
Q218	114	152	38	152	Q269	1	3	2	4	Q351	-	-	-	-
Q219	14	26	12	28	Q270	-	2	2	2	Q353	1	1	-	1
Q220	4	7	3	9	Q271	-	-	-	-	Q355	-	-	-	-
Q221	3	7	4	7	Q272	-	1	1	1	Q356	-	-	-	-
Q222	-	1	1	1	Q273	217	403	186	403	Q357	-	-	-	-
Q223	3	8	5	8	Q274	-	-	-	-	Q359	6	29	23	54
Q224	28	43	15	43	Q278	3	12	9	14	Q360	-	-	-	-
Q225	51	69	18	70	Q279	37	61	24	63	Q361	-	-	-	-
Q226	10	15	5	15	Q280	3	6	3	6	Q369	1	7	6	32
Q228	3	8	5	8	Q281	1	4	3	4	Q370	-	-	-	-
Q229	4	10	6	10	Q282	281	334	53	334	Q371	-	1	1	1
Q230	73	103	30	103	Q283	35	45	11	63	Q372	-	-	-	-
Q231	75	154	79	154	Q288	4	7	3	7	Q373	-	-	-	-
Q232	13	22	9	22	Q289	3	4	1	5	Q374	-	-	-	-
Q233	10	21	11	21	Q300	-	7	7	7	Q375	-	-	-	-
Q234	414	490	76	490	Q301	-	1	1	1	Q378	-	-	-	-
Q238	1	5	4	5	Q302	-	-	-	-	Q379	4	28	24	3
Q239	22	35	13	36	Q303	-	1	1	1	Q380	-	1	1	1
Q240	7	26	19	27	Q308	1	1	-	1	Q381	-	1	1	1
Q241	-	-	-	-	Q309	-	-	-	-	Q382	-	7	7	7
Q242	1	4	3	4	Q310	-	2	2	2	Q383	-	2	2	2
Q243	-	-	-	-	Q311	2	2	-	2	Q384	-	1	1	1
Q244	31	60	29	60	Q312	-	-	-	-	Q385	2	3	1	3
Q245	200	308	108	308	Q313	-	1	1	1	Q386	1	1	-	1
Q246	3	14	11	14	Q314	1	2	1	2	Q387	3	3	-	3
Q248	112	190	78	190	Q318	5	6	1	6	Q388	-	3	3	3
Q249	1250	1740	491	2158	Q319	2	5	3	5	Q390	9	43	34	46
Q250	50	242	192	242	Q320	7	13	6	13	Q391	-	5	5	2
Q251	63	173	110	173	Q321	31	49	18	49	Q392	7	19	12	22
Q252	2	5	3	5	Q322	7	11	4	11	Q393	-	-	-	-
Q253	8	16	8	16	Q323	-	-	-	-	Q394	2	3	1	3
Q254	12	50	38	51	Q324	1	5	4	5	Q395	-	-	-	-
Q255	55	133	78	133	Q330	8	14	6	14	Q396	18	34	16	34
Q256	44	105	61	105	Q331	-	1	1	1	Q398	-	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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
Q399	1	3	2	3	Q503	-	-	-	-	Q561	-	-	-	-
Q400	3	4	1	4	Q504	-	-	-	-	Q562	-	-	-	-
Q401	1	3	2	3	Q505	-	-	-	-	Q563	-	-	-	-
Q402	-	2	2	2	Q506	-	-	-	-	Q564	1	12	11	12
Q403	1	5	4	5	Q510	-	-	-	-	Q600	10	35	25	35
Q408	-	-	-	-	Q511	-	-	-	-	Q601	23	29	6	29
Q409	-	-	-	-	Q512	-	-	-	-	Q602	125	193	68	193
Q410	2	9	7	9	Q513	-	-	-	-	Q603	-	-	-	-
Q411	5	9	4	9	Q514	-	-	-	-	Q604	-	1	1	1
Q412	3	4	1	4	Q515	-	-	-	-	Q605	15	29	14	29
Q418	-	-	-	-	Q516	-	-	-	-	Q606	106	162	56	162
Q419	2	4	2	4	Q517	-	-	-	-	Q610	12	47	35	47
Q420	-	-	-	-	Q518	-	-	-	-	Q611	31	73	42	73
Q421	-	-	-	-	Q519	-	1	1	1	Q612	6	17	11	17
Q422	-	-	-	-	Q520	-	-	-	-	Q613	322	693	372	696
Q423	2	31	29	31	Q521	-	-	-	-	Q614	25	116	91	116
Q428	-	-	-	-	Q522	-	-	-	-	Q615	1	5	4	5
Q429	1	1	-	1	Q523	-	-	-	-	Q618	1	3	2	3
Q430	10	22	12	22	Q524	-	1	1	1	Q619	20	53	33	53
Q431	16	33	17	33	Q525	-	-	-	-	Q620	1	5	4	5
Q432	-	1	1	1	Q526	-	-	-	-	Q621	4	4	-	4
Q433	19	29	10	29	Q527	-	-	-	-	Q622	-	-	-	-
Q434	1	1	-	1	Q528	-	2	2	2	Q623	1	2	1	2
Q435	-	-	-	-	Q529	1	4	3	4	Q624	-	-	-	-
Q436	-	-	-	-	Q530	-	-	-	-	Q625	-	-	-	-
Q437	1	4	3	4	Q531	-	-	-	-	Q626	-	-	-	-
Q438	24	33	9	34	Q532	-	-	-	-	Q627	-	-	-	-
Q439	10	31	21	32	Q539	-	-	-	-	Q628	1	1	-	1
Q440	-	-	-	-	Q540	-	-	-	-	Q630	-	-	-	-
Q441	-	-	-	-	Q541	-	-	-	-	Q631	2	13	11	13
Q442	6	6	-	6	Q542	-	1	1	1	Q632	-	3	3	3
Q443	-	-	-	-	Q543	-	-	-	-	Q633	-	1	1	1
Q444	1	4	3	4	Q544	-	1	1	1	Q638	2	3	1	3
Q445	26	38	12	38	Q548	-	-	-	-	Q639	7	31	24	35
Q446	10	28	18	28	Q549	1	6	5	6	Q640	-	-	-	-
Q447	6	25	19	25	Q550	-	-	-	-	Q641	1	4	3	4
Q450	-	2	2	2	Q551	-	-	-	-	Q642	8	24	16	24
Q451	-	1	1	1	Q552	-	1	1	1	Q643	1	7	6	7
Q452	-	-	-	-	Q553	-	-	-	-	Q644	1	2	1	2
Q453	1	2	1	2	Q554	1	4	3	4	Q645	-	5	5	5
Q458	1	1	-	1	Q555	1	2	1	2	Q646	-	-	-	-
Q459	3	13	10	14	Q556	-	1	1	1	Q647	1	5	4	5
Q500	-	-	-	-	Q558	-	-	-	-	Q648	1	1	-	1
Q501	-	-	-	-	Q559	-	-	-	-	Q649	6	10	4	10
Q502	-	-	-	-	Q560	-	-	-	-	Q650	-	-	-	-

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
Q651	-	-	-	-	Q711	-	-	-	-	Q770	3	8	5	8
Q652	1	3	2	3	Q712	-	-	-	-	Q771	24	35	11	35
Q653	-	-	-	-	Q713	-	-	-	-	Q772	14	21	7	21
Q654	-	-	-	-	Q714	-	-	-	-	Q773	4	9	5	9
Q655	-	-	-	-	Q715	-	-	-	-	Q774	12	29	17	29
Q656	-	-	-	-	Q716	-	-	-	-	Q775	-	1	1	1
Q658	1	5	4	5	Q718	-	-	-	-	Q776	-	-	-	-
Q659	-	1	1	1	Q719	-	-	-	-	Q777	1	3	2	3
Q660	-	-	-	-	Q720	-	-	-	-	Q778	1	2	1	2
Q661	-	-	-	-	Q721	-	-	-	-	Q779	-	-	-	-
Q662	-	-	-	-	Q722	-	-	-	-	Q780	64	110	46	110
Q663	-	-	-	-	Q723	-	-	-	-	Q781	2	4	2	4
Q664	-	-	-	-	Q724	-	-	-	-	Q782	10	42	32	42
Q665	-	-	-	-	Q725	-	-	-	-	Q783	-	-	-	-
Q666	-	-	-	-	Q726	-	-	-	-	Q784	1	3	2	3
Q667	-	-	-	-	Q727	-	-	-	-	Q785	2	3	1	3
Q668	-	11	11	11	Q728	-	1	1	1	Q786	-	-	-	-
Q669	-	1	1	1	Q729	-	-	-	-	Q788	1	4	3	4
Q670	-	-	-	-	Q730	-	-	-	-	Q789	38	70	32	70
Q671	1	1	-	1	Q731	-	1	1	1	Q790	247	334	87	334
Q672	-	2	2	2	Q738	-	1	1	1	Q791	3	19	16	20
Q673	-	-	-	-	Q740	-	6	6	6	Q792	25	75	50	75
Q674	-	-	-	-	Q741	-	1	1	1	Q793	33	55	22	55
Q675	12	37	25	37	Q742	-	5	5	5	Q794	3	12	9	12
Q676	-	4	4	4	Q743	1	6	5	6	Q795	9	13	4	13
Q677	-	1	1	1	Q748	2	3	1	3	Q796	9	26	17	26
Q678	4	13	9	13	Q749	1	11	10	11	Q798	9	23	14	23
Q680	-	1	1	1	Q750	3	9	6	10	Q799	7	14	7	15
Q681	-	1	1	1	Q751	3	4	1	4	Q800	-	-	-	-
Q682	-	-	-	-	Q752	-	1	1	1	Q801	-	-	-	-
Q683	-	-	-	-	Q753	1	4	3	4	Q802	1	2	1	2
Q684	-	-	-	-	Q754	1	2	1	2	Q803	-	1	1	1
Q685	-	-	-	-	Q755	-	-	-	-	Q804	1	1	-	1
Q688	5	35	30	35	Q758	3	8	5	8	Q808	1	1	-	1
Q690	-	-	-	-	Q759	7	13	6	15	Q809	3	11	8	11
Q691	-	1	1	1	Q760	2	4	2	4	Q810	-	-	-	-
Q692	-	-	-	-	Q761	1	6	5	6	Q811	1	1	-	1
Q699	-	8	8	8	Q762	-	-	-	-	Q812	1	1	-	1
Q700	-	-	-	-	Q763	-	-	-	-	Q818	-	2	2	2
Q701	-	1	1	1	Q764	6	19	13	19	Q819	25	38	13	38
Q702	-	-	-	-	Q765	-	-	-	-	Q820	4	11	7	11
Q703	-	-	-	-	Q766	1	7	6	7	Q821	-	2	2	2
Q704	-	-	-	-	Q767	-	1	1	1	Q822	12	22	10	22
Q709	-	2	2	2	Q768	-	-	-	-	Q823	1	1	-	1
Q710	-	-	-	-	Q769	-	-	-	-	Q824	2	5	3	5

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
Q825	-	-	-	-	Q910	-	-	-	-	Q972	-	-	-	-
Q828	4	21	17	21	Q911	1	2	1	2	Q973	-	-	-	-
Q829	1	3	2	3	Q912	-	-	-	-	Q978	-	-	-	-
Q830	-	-	-	-	Q913	455	495	40	495	Q979	-	-	-	-
Q831	-	-	-	-	Q914	-	-	-	-	Q980	-	-	-	-
Q832	-	-	-	-	Q915	-	1	1	1	Q981	-	1	1	1
Q833	-	-	-	-	Q916	1	1	-	1	Q982	-	-	-	-
Q838	-	-	-	-	Q917	268	297	29	297	Q983	-	1	1	1
Q839	-	-	-	-	Q920	-	-	-	-	Q984	1	10	9	10
Q840	-	-	-	-	Q921	1	1	-	1	Q985	-	-	-	-
Q841	-	-	-	-	Q922	-	-	-	-	Q986	-	-	-	-
Q842	-	-	-	-	Q923	-	-	-	-	Q987	1	1	-	1
Q843	-	-	-	-	Q924	-	-	-	-	Q988	-	-	-	-
Q844	-	-	-	-	Q925	1	2	1	2	Q989	-	-	-	-
Q845	-	-	-	-	Q926	-	-	-	-	Q990	-	-	-	-
Q846	-	-	-	-	Q927	8	9	1	9	Q991	1	2	1	2
Q848	-	-	-	-	Q928	30	44	14	44	Q992	-	8	8	8
Q849	-	-	-	-	Q929	25	32	7	32	Q998	27	43	16	43
Q850	89	304	215	304	Q930	-	-	-	-	Q999	83	122	39	158
Q851	13	31	18	31	Q931	-	-	-	-	R000	10	938	928	938
Q858	15	32	17	32	Q932	-	-	-	-	R001	59	2156	2097	2156
Q859	2	3	1	3	Q933	11	14	3	14	R002	-	12	12	12
Q860	5	12	7	12	Q934	10	14	4	14	R008	1	60	59	60
Q861	1	1	-	1	Q935	17	25	8	25	R010	-	-	-	-
Q862	-	1	1	1	Q936	-	-	-	-	R011	-	91	91	91
Q868	4	9	5	9	Q937	-	-	-	-	R012	-	-	-	-
Q870	15	44	29	44	Q938	9	18	9	18	R02	112	7095	6983	9072
Q871	61	124	63	124	Q939	4	6	2	6	R030	-	1	1	1
Q872	15	50	36	51	Q950	-	-	-	-	R031	-	-	-	-
Q873	2	9	7	9	Q951	1	1	-	1	R040	4	198	194	198
Q874	110	167	57	167	Q952	-	-	-	-	R041	-	35	35	35
Q875	-	-	-	-	Q953	-	-	-	-	R042	25	1071	1046	1071
Q878	37	68	31	68	Q954	-	-	-	-	R048	62	1953	1891	1953
Q890	15	60	45	60	Q955	-	-	-	-	R049	-	30	30	30
Q891	8	14	6	14	Q958	-	-	-	-	R05	-	51	51	52
Q892	4	9	5	9	Q959	1	1	-	1	R060	61	2290	2229	2290
Q893	10	29	19	29	Q960	-	-	-	-	R061	-	11	11	11
Q894	22	31	9	31	Q961	-	-	-	-	R062	-	12	12	12
Q897	333	402	69	785	Q962	-	-	-	-	R063	-	20	20	20
Q898	97	169	72	169	Q963	-	-	-	-	R064	15	1046	1031	1046
Q899	138	253	116	371	Q964	-	1	1	1	R065	-	1	1	1
Q900	-	-	-	-	Q968	-	-	-	-	R066	-	7	7	7
Q901	-	1	1	1	Q969	15	46	31	46	R067	-	1	1	1
Q902	-	1	1	1	Q970	-	2	2	2	R068	123	7263	7140	7263
Q909	619	1469	850	1469	Q971	-	1	1	1	R070	-	-	-	-

- 49 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
R071	-	-	-	-	R230	-	33	33	33	R430	-	-	-	-
R072	1	3	2	3	R231	-	-	-	-	R431	-	-	-	-
R073	-	9	9	9	R232	-	-	-	-	R432	-	1	1	1
R074	5	196	191	196	R233	-	22	22	22	R438	-	-	-	-
R090	168	16767	16599	16767	R234	-	1	1	1	R440	-	2	2	2
R091	-	90	90	90	R238	-	10	10	10	R441	-	1	1	1
R092	2292	72670	70378	72670	R250	-	-	-	-	R442	-	2	2	2
R093	-	2	2	2	R251	-	63	63	63	R443	-	29	29	29
R098	40	1127	1087	1127	R252	-	56	56	56	R448	-	3	3	3
R100	26	536	510	536	R253	-	-	-	-	R450	-	10	10	10
R101	-	8	8	8	R258	-	8	8	8	R451	2	172	170	172
R102	-	13	13	13	R260	-	10	10	10	R452	-	-	-	-
R103	-	2	2	2	R261	-	-	-	-	R453	-	4	4	4
R104	38	758	720	758	R262	-	3	3	3	R454	-	2	2	2
R11	3	933	930	936	R268	-	103	103	103	R455	-	-	-	-
R12	-	2	2	2	R270	1	163	162	163	R456	-	3	3	3
R13	31	14381	14350	14381	R278	-	45	45	45	R457	-	-	-	-
R14	2	96	94	96	R290	-	1	1	1	R458	-	-	-	-
R15	-	46	46	46	R291	-	1	1	1	R460	-	6	6	6
R160	1	266	265	267	R292	-	4	4	4	R461	-	-	-	-
R161	1	245	244	246	R293	-	1	1	1	R462	-	1	1	1
R162	-	95	95	94	R294	-	-	-	-	R463	-	-	-	-
R17	4	743	739	743	R298	48	1064	1016	1064	R464	-	-	-	-
R18	12	4178	4166	4178	R300	-	3	3	3	R465	-	-	-	-
R190	25	561	536	561	R301	-	-	-	-	R466	-	-	-	-
R191	-	3	3	3	R309	-	-	-	-	R467	-	-	-	-
R192	1	7	6	7	R31	3	510	507	510	R468	-	9	9	9
R193	-	1	1	1	R32	-	335	335	335	R470	3	1622	1619	1622
R194	-	-	-	-	R33	-	530	530	530	R471	-	52	52	52
R195	-	2	2	2	R34	1	338	337	338	R478	-	12	12	12
R196	-	-	-	-	R35	-	6	6	6	R480	-	-	-	-
R198	151	2122	1971	2122	R36	-	-	-	-	R481	-	2	2	2
R200	-	7	7	7	R390	-	3	3	3	R482	-	17	17	17
R201	-	-	-	-	R391	-	3	3	3	R488	-	3	3	3
R202	-	4	4	4	R392	-	-	-	-	R490	-	11	11	11
R203	-	1	1	1	R398	-	1	1	1	R491	-	5	5	5
R208	-	3	3	3	R400	-	5	5	5	R492	-	-	-	-
R21	-	20	20	20	R401	-	71	71	71	R498	-	1	1	1
R220	-	6	6	6	R402	19	2745	2726	3038	R500	-	-	-	-
R221	2	78	76	78	R410	2	287	285	287	R501	-	2	2	2
R222	1	76	75	76	R411	-	-	-	-	R509	52	1275	1223	1275
R223	1	3	2	3	R412	-	-	-	-	R51	2	82	80	82
R224	-	6	6	6	R413	-	71	71	71	R520	-	1	1	1
R227	-	-	-	-	R418	-	57	57	58	R521	-	1	1	1
R229	-	2	2	2	R42	-	154	154	154	R522	3	540	537	540



- 50 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
R529	1	537	536	537	R749	-	1	1	1	R838	-	-	-	-
R53	223	7560	7337	7569	R75	9	476	467	476	R839	-	-	-	-
R54	3150	20150	17000	20151	R760	-	2	2	2	R840	-	-	-	-
R55	18	1240	1222	1240	R761	-	1	1	1	R841	-	-	-	-
R560	-	13	13	13	R762	-	-	-	-	R842	-	-	-	-
R568	1046	20299	19253	20299	R768	-	1	1	1	R843	-	-	-	-
R570	516	19081	18565	19081	R769	-	-	-	-	R844	-	-	-	-
R571	34	1835	1801	1835	R770	-	-	-	-	R845	-	1	1	1
R578	34	1233	1199	1233	R771	-	4	4	4	R846	-	-	-	-
R579	265	11736	11471	11736	R772	-	-	-	-	R847	-	-	-	-
R580	-	-	-	-	R778	-	1	1	1	R848	-	-	-	-
R58	199	4723	4521	4699	R779	-	3	3	3	R849	-	-	-	-
R590	1	59	58	60	R780	2	725	723	756	R850	-	-	-	-
R591	2	73	71	74	R781	-	2	2	2	R851	-	-	-	-
R599	1	62	61	63	R782	-	4	4	4	R852	-	-	-	-
R600	1	285	284	286	R783	-	-	-	-	R853	-	-	-	-
R601	7	950	943	952	R784	-	-	-	-	R854	-	1	1	1
R609	3	797	794	797	R785	-	-	-	-	R855	-	-	-	-
R610	-	-	-	-	R786	-	-	-	-	R856	-	-	-	-
R611	-	1	1	1	R787	-	-	-	-	R857	-	-	-	-
R619	-	3	3	3	R788	-	3	3	3	R858	-	-	-	-
R620	-	-	-	-	R789	-	1	1	1	R859	-	-	-	-
R628	564	9002	8439	9220	R790	-	1	1	1	R860	-	-	-	-
R629	2	144	142	144	R798	12	2189	2177	2206	R861	-	-	-	-
R630	53	4050	3997	4050	R799	-	-	-	-	R862	-	1	1	1
R631	-	18	18	18	R80	-	50	50	56	R863	-	-	-	-
R632	-	22	22	22	R81	-	1	1	1	R864	-	-	-	-
R633	-	164	164	164	R820	-	-	-	-	R865	-	-	-	-
R634	8	1094	1086	1094	R821	-	27	27	27	R866	-	-	-	-
R635	-	4	4	4	R822	-	-	-	-	R867	-	-	-	-
R638	-	12	12	12	R823	-	2	2	2	R868	-	1	1	1
R64	378	12221	11843	13346	R824	-	-	-	-	R869	-	-	-	-
R680	2	95	93	95	R825	-	-	-	-	R870	-	-	-	-
R681	-	-	-	-	R826	-	4	4	4	R871	-	-	-	-
R682	-	-	-	-	R827	-	1	1	1	R872	-	-	-	-
R683	-	-	-	-	R828	-	-	-	-	R873	-	-	-	-
R688	64	3257	3193	3257	R829	-	-	-	-	R874	-	-	-	-
R700	-	4	4	4	R830	-	-	-	-	R875	-	-	-	-
R701	-	-	-	-	R831	-	-	-	-	R876	-	-	-	-
R71	-	-	-	-	R832	-	-	-	-	R877	-	-	-	-
R72	-	4	4	4	R833	-	-	-	-	R878	-	-	-	-
R730	-	44	44	44	R834	-	-	-	-	R879	-	-	-	-
R739	10	836	826	836	R835	-	-	-	-	R890	-	-	-	-
R740	-	3	3	3	R836	-	-	-	-	R891	-	-	-	-
R748	-	8	8	8	R837	-	-	-	-	R892	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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 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
R893	-	3	3	3	S011	...	6	6	6	S061	...	403	403	403
R894	-	-	-	-	S012	...	10	10	10	S062	...	2856	2856	2856
R895	-	-	-	-	S013	...	26	26	26	S063	...	47	47	47
R896	-	-	-	-	S014	...	15	15	15	S064	...	164	164	164
R897	-	3	3	3	S015	...	1049	1049	1049	S065	...	5980	5980	5981
R898	-	5	5	5	S017	...	48	48	48	S066	...	831	831	831
R899	-	-	-	-	S018	...	1327	1327	1327	S067	...	2	2	2
R900	5	62	57	62	S019	...	16157	16157	16160	S068	...	2482	2482	2482
R908	-	-	-	-	S020	...	76	76	76	S069	...	5206	5206	5206
R91	93	2194	2101	2194	S021	...	777	777	777	S070	...	6	6	6
R92	-	-	-	-	S022	...	26	26	26	S071	...	46	46	46
R930	-	-	-	-	S023	...	1	1	1	S078	...	-	-	-
R931	-	1	1	1	S024	...	24	24	24	S079	...	235	235	235
R932	-	-	-	-	S025	...	1	1	1	S080	...	-	-	-
R933	-	2	2	2	S026	...	66	66	66	S081	...	4	4	4
R934	-	-	-	-	S027	...	330	330	330	S088	...	4	4	4
R935	-	-	-	-	S028	...	34	34	34	S089	...	8	8	8
R936	-	-	-	-	S029	...	2705	2705	2705	S090	...	10	10	10
R937	-	-	-	-	S030	...	4	4	4	S091	...	2	2	2
R938	-	10	10	10	S031	...	-	-	-	S092	...	1	1	1
R940	-	2	2	2	S032	...	-	-	-	S097	...	640	640	640
R941	-	-	-	-	S033	...	2	2	2	S098	...	2900	2900	2900
R942	-	2	2	2	S034	...	-	-	-	S099	...	21305	21305	21305
R943	2	21	19	21	S035	...	-	-	-	S100	...	3	3	3
R944	-	2	2	2	S040	...	2	2	2	S101	...	5	5	5
R945	-	40	40	40	S041	...	-	-	-	S107	...	3	3	3
R946	-	-	-	-	S042	...	-	-	-	S108	...	14	14	14
R947	-	-	-	-	S043	...	1	1	1	S109	...	21	21	21
R948	-	-	-	-	S044	...	-	-	-	S110	...	23	23	23
R95	2648	2687	39	2687	S045	...	-	-	-	S111	...	-	-	-
R960	363	395	32	395	S046	...	-	-	-	S112	...	5	5	5
R961	-	-	-	-	S047	...	-	-	-	S117	...	785	785	787
R97	-	-	-	-	S048	...	1	1	1	S118	...	101	101	101
R98	31	35	4	35	S049	...	27	27	27	S119	...	773	773	773
R99	13511	29971	14891	28388	S050	...	1	1	1	S120	...	79	79	79
S000	...	32	32	32	S051	...	2	2	2	S121	...	124	124	124
S001	...	3	3	3	S052	...	-	-	-	S122	...	34	34	34
S002	...	2	2	2	S053	...	8	8	8	S127	...	205	205	205
S003	...	4	4	4	S054	...	5	5	5	S128	...	37	37	37
S004	...	-	-	-	S055	...	-	-	-	S129	...	2237	2237	2237
S005	...	4	4	4	S056	...	1	1	1	S130	...	1	1	1
S007	...	4	4	4	S057	...	8	8	8	S131	...	378	378	378
S008	...	63	63	63	S058	...	11	11	11	S132	...	-	-	-
S009	...	83	83	83	S059	...	52	52	52	S133	...	-	-	-
S010	...	101	101	101	S060	...	133	133	133	S134	...	21	21	21

- 52 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 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
S135	...	-	-	-	S230	...	1	1	1	S308	...	39	39	39
S136	...	1	1	1	S231	...	7	7	7	S309	...	20	20	20
S140	...	4	4	4	S232	...	-	-	-	S310	...	139	139	139
S141	...	335	335	335	S233	...	-	-	-	S311	...	72	72	72
S142	...	3	3	3	S234	...	-	-	-	S312	...	-	-	-
S143	...	1	1	1	S235	...	-	-	-	S313	...	3	3	3
S144	...	-	-	-	S240	...	2	2	2	S314	...	-	-	-
S145	...	-	-	-	S241	...	6	6	6	S315	...	1	1	1
S146	...	3	3	3	S242	...	1	1	1	S317	...	20	20	20
S150	...	165	165	165	S243	...	-	-	-	S318	...	1580	1580	1580
S151	...	35	35	35	S244	...	-	-	-	S320	...	284	284	284
S152	...	79	79	79	S245	...	-	-	-	S321	...	28	28	28
S153	...	16	16	16	S246	...	7	7	7	S322	...	5	5	5
S157	...	1	1	1	S250	...	1675	1675	1675	S323	...	8	8	8
S158	...	2	2	2	S251	...	50	50	50	S324	...	64	64	64
S159	...	13	13	13	S252	...	78	78	78	S325	...	86	86	86
S16	...	3	3	3	S253	...	17	17	17	S327	...	50	50	50
S170	...	9	9	9	S254	...	106	106	106	S328	...	1301	1301	1301
S178	...	1	1	1	S255	...	18	18	18	S330	...	-	-	-
S179	...	34	34	34	S257	...	-	-	-	S331	...	4	4	4
S18	...	96	96	96	S258	...	25	25	25	S332	...	1	1	1
S197	...	132	132	132	S259	...	17	17	17	S333	...	-	-	-
S198	...	525	525	526	S260	...	115	115	115	S334	...	-	-	-
S199	...	2505	2505	2505	S268	...	1025	1025	1025	S335	...	5	5	5
S200	...	-	-	-	S269	...	644	644	644	S336	...	-	-	-
S201	...	-	-	-	S270	...	372	372	372	S337	...	1	1	1
S202	...	69	69	69	S271	...	682	682	682	S340	...	-	-	-
S203	...	2	2	2	S272	...	142	142	142	S341	...	5	5	5
S204	...	-	-	-	S273	...	1675	1675	1675	S342	...	-	-	-
S207	...	3	3	3	S274	...	20	20	20	S343	...	-	-	-
S208	...	20	20	20	S275	...	2	2	2	S344	...	1	1	1
S210	...	8	8	8	S276	...	19	19	19	S345	...	1	1	1
S211	...	11	11	11	S277	...	16	16	16	S346	...	-	-	-
S212	...	801	801	801	S278	...	327	327	327	S348	...	4	4	4
S217	...	44	44	44	S279	...	448	448	448	S350	...	84	84	84
S218	...	30	30	30	S280	...	655	655	655	S351	...	93	93	93
S219	...	6149	6149	6150	S281	...	1	1	1	S352	...	18	18	18
S220	...	269	269	269	S290	...	1	1	1	S353	...	26	26	26
S221	...	6	6	6	S297	...	298	298	298	S354	...	18	18	18
S222	...	135	135	135	S298	...	91	91	91	S355	...	64	64	64
S223	...	1345	1345	1345	S299	...	6784	6784	6784	S357	...	1	1	1
S224	...	638	638	638	S300	...	8	8	8	S358	...	1	1	1
S225	...	222	222	222	S301	...	16	16	16	S359	...	22	22	22
S228	...	3	3	3	S302	...	1	1	1	S360	...	778	778	778
S229	...	68	68	68	S307	...	2	2	2	S361	...	1183	1183	1183

- 53 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 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
S362	...	59	59	59	S432	...	2	2	2	S520	...	68	68	68
S363	...	92	92	92	S433	...	-	-	-	S521	...	-	-	-
S364	...	73	73	73	S434	...	2	2	2	S522	...	37	37	37
S365	...	68	68	68	S435	...	-	-	-	S523	...	-	-	-
S366	...	19	19	19	S436	...	-	-	-	S524	...	-	-	-
S367	...	109	109	109	S437	...	-	-	-	S525	...	5	5	5
S368	...	765	765	765	S440	...	-	-	-	S526	...	-	-	-
S369	...	752	752	752	S441	...	-	-	-	S527	...	3	3	3
S370	...	232	232	232	S442	...	-	-	-	S528	...	52	52	52
S371	...	-	-	-	S443	...	-	-	-	S529	...	26	26	26
S372	...	38	38	38	S444	...	-	-	-	S530	...	-	-	-
S373	...	3	3	3	S445	...	-	-	-	S531	...	2	2	2
S374	...	-	-	-	S447	...	-	-	-	S532	...	-	-	-
S375	...	-	-	-	S448	...	-	-	-	S533	...	-	-	-
S376	...	5	5	5	S449	...	-	-	-	S534	...	-	-	-
S377	...	11	11	11	S450	...	7	7	7	S540	...	-	-	-
S378	...	22	22	22	S451	...	17	17	17	S541	...	-	-	-
S379	...	5	5	5	S452	...	10	10	10	S542	...	-	-	-
S380	...	-	-	-	S453	...	-	-	-	S543	...	-	-	-
S381	...	141	141	141	S457	...	-	-	-	S547	...	-	-	-
S382	...	-	-	-	S458	...	-	-	-	S548	...	-	-	-
S383	...	-	-	-	S459	...	7	7	7	S549	...	-	-	-
S390	...	1	1	1	S460	...	3	3	3	S550	...	5	5	5
S396	...	6	6	6	S461	...	-	-	-	S551	...	22	22	22
S397	...	101	101	101	S462	...	1	1	1	S552	...	-	-	-
S398	...	695	695	695	S463	...	-	-	-	S557	...	-	-	-
S399	...	1761	1761	1761	S467	...	-	-	-	S558	...	1	1	1
S400	...	7	7	7	S468	...	-	-	-	S559	...	-	-	-
S407	...	1	1	1	S469	...	2	2	2	S560	...	-	-	-
S408	...	-	-	-	S47	...	2	2	2	S561	...	1	1	1
S409	...	2	2	2	S480	...	-	-	-	S562	...	-	-	-
S410	...	119	119	119	S481	...	-	-	-	S563	...	-	-	-
S411	...	25	25	25	S489	...	3	3	3	S564	...	-	-	-
S417	...	11	11	11	S497	...	5	5	5	S565	...	-	-	-
S418	...	15	15	15	S498	...	23	23	23	S567	...	-	-	-
S420	...	128	128	128	S499	...	40	40	40	S568	...	-	-	-
S421	...	19	19	19	S500	...	4	4	4	S570	...	-	-	-
S422	...	10	10	10	S501	...	-	-	-	S578	...	-	-	-
S423	...	724	724	724	S507	...	-	-	-	S579	...	-	-	-
S424	...	10	10	10	S508	...	1	1	1	S580	...	-	-	-
S427	...	1	1	1	S509	...	-	-	-	S581	...	-	-	-
S428	...	-	-	-	S510	...	16	16	16	S589	...	2	2	2
S429	...	160	160	160	S517	...	4	4	4	S597	...	1	1	1
S430	...	23	23	23	S518	...	5	5	5	S598	...	1	1	1
S431	...	-	-	-	S519	...	60	60	60	S599	...	13	13	13

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 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
S600	...	-	-	-	S660	...	-	-	-	S748	...	-	-	-
S601	...	-	-	-	S661	...	-	-	-	S749	...	-	-	-
S602	...	2	2	2	S662	...	-	-	-	S750	...	49	49	49
S607	...	1	1	1	S663	...	-	-	-	S751	...	18	18	18
S608	...	2	2	2	S664	...	-	-	-	S752	...	-	-	-
S609	...	6	6	6	S665	...	-	-	-	S757	...	-	-	-
S610	...	6	6	6	S666	...	-	-	-	S758	...	-	-	-
S611	...	-	-	-	S667	...	-	-	-	S759	...	16	16	16
S617	...	14	14	14	S668	...	-	-	-	S760	...	-	-	-
S618	...	1	1	1	S669	...	-	-	-	S761	...	2	2	2
S619	...	220	220	220	S670	...	-	-	-	S762	...	-	-	-
S620	...	-	-	-	S678	...	1	1	1	S763	...	-	-	-
S621	...	-	-	-	S680	...	-	-	-	S764	...	1	1	1
S622	...	1	1	1	S681	...	1	1	1	S767	...	-	-	-
S623	...	-	-	-	S682	...	-	-	-	S770	...	2	2	2
S624	...	-	-	-	S683	...	-	-	-	S771	...	-	-	-
S625	...	2	2	2	S684	...	-	-	-	S780	...	-	-	-
S626	...	3	3	3	S688	...	-	-	-	S781	...	-	-	-
S627	...	-	-	-	S689	...	-	-	-	S789	...	2	2	2
S628	...	145	145	145	S697	...	-	-	-	S797	...	2	2	2
S630	...	-	-	-	S698	...	1	1	1	S798	...	58	58	58
S631	...	1	1	1	S699	...	77	77	77	S799	...	104	104	104
S632	...	-	-	-	S700	...	21	21	21	S800	...	3	3	3
S633	...	-	-	-	S701	...	-	-	-	S801	...	1	1	1
S634	...	-	-	-	S707	...	1	1	1	S807	...	1	1	1
S635	...	-	-	-	S708	...	3	3	3	S808	...	1	1	1
S636	...	-	-	-	S709	...	14	14	14	S809	...	1	1	1
S637	...	-	-	-	S710	...	44	44	44	S810	...	11	11	11
S640	...	-	-	-	S711	...	107	107	107	S817	...	5	5	5
S641	...	-	-	-	S717	...	2	2	2	S818	...	1	1	1
S642	...	-	-	-	S718	...	-	-	-	S819	...	18	18	18
S643	...	-	-	-	S720	...	12661	12661	12661	S820	...	100	100	100
S644	...	-	-	-	S721	...	280	280	280	S821	...	13	13	13
S647	...	-	-	-	S722	...	18	18	18	S822	...	377	377	377
S648	...	-	-	-	S723	...	15	15	15	S823	...	5	5	5
S649	...	-	-	-	S724	...	24	24	24	S824	...	207	207	207
S650	...	-	-	-	S727	...	903	903	903	S825	...	1	1	1
S651	...	1	1	1	S728	...	11	11	11	S826	...	1	1	1
S652	...	-	-	-	S729	...	2066	2066	2066	S827	...	12	12	12
S653	...	-	-	-	S730	...	69	69	69	S828	...	250	250	250
S654	...	-	-	-	S731	...	-	-	-	S829	...	22	22	22
S655	...	-	-	-	S740	...	-	-	-	S830	...	2	2	2
S657	...	-	-	-	S741	...	-	-	-	S831	...	3	3	3
S658	...	-	-	-	S742	...	-	-	-	S832	...	1	1	1
S659	...	-	-	-	S747	...	-	-	-	S833	...	-	-	-

- 55 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 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
S834	...	-	-	-	S917	...	-	-	-	S999	...	13	13	13
S835	...	-	-	-	S920	...	4	4	4	T002	...	1	1	1
S836	...	2	2	2	S921	...	3	3	3	T003	...	1	1	1
S837	...	1	1	1	S922	...	-	-	-	T008	...	2	2	2
S840	...	-	-	-	S923	...	4	4	4	T009	...	56	56	56
S841	...	-	-	-	S924	...	-	-	-	T012	...	17	17	17
S842	...	-	-	-	S925	...	6	6	6	T013	...	11	11	11
S847	...	-	-	-	S927	...	-	-	-	T019	...	2911	2911	2911
S848	...	-	-	-	S929	...	25	25	25	T021	...	30	30	30
S849	...	-	-	-	S930	...	4	4	4	T022	...	7	7	7
S850	...	5	5	5	S931	...	1	1	1	T023	...	22	22	22
S851	...	8	8	8	S932	...	-	-	-	T024	...	4	4	4
S852	...	-	-	-	S933	...	-	-	-	T025	...	35	35	35
S853	...	-	-	-	S934	...	3	3	3	T028	...	3	3	3
S854	...	-	-	-	S935	...	-	-	-	T029	...	627	627	627
S855	...	1	1	1	S936	...	-	-	-	T031	...	-	-	-
S857	...	-	-	-	S940	...	-	-	-	T032	...	-	-	-
S858	...	-	-	-	S941	...	-	-	-	T033	...	-	-	-
S859	...	5	5	5	S942	...	-	-	-	T038	...	1	1	1
S860	...	7	7	7	S943	...	-	-	-	T039	...	2	2	2
S861	...	-	-	-	S947	...	-	-	-	T041	...	45	45	45
S862	...	-	-	-	S948	...	-	-	-	T042	...	10	10	10
S863	...	-	-	-	S949	...	-	-	-	T043	...	21	21	21
S867	...	-	-	-	S950	...	-	-	-	T048	...	3	3	3
S868	...	4	4	4	S951	...	-	-	-	T049	...	61	61	61
S869	...	-	-	-	S952	...	-	-	-	T050	...	-	-	-
S870	...	-	-	-	S957	...	-	-	-	T052	...	-	-	-
S878	...	1	1	1	S958	...	-	-	-	T053	...	-	-	-
S880	...	2	2	2	S959	...	3	3	3	T055	...	8	8	8
S881	...	2	2	2	S960	...	-	-	-	T058	...	10	10	10
S889	...	10	10	10	S961	...	-	-	-	T059	...	-	-	-
S897	...	10	10	10	S962	...	-	-	-	T062	...	1	1	1
S898	...	1	1	1	S967	...	-	-	-	T063	...	6	6	6
S899	...	36	36	36	S968	...	-	-	-	T064	...	4	4	4
S900	...	1	1	1	S969	...	-	-	-	T065	...	775	775	775
S901	...	-	-	-	S970	...	-	-	-	T07	...	16217	16217	16217
S902	...	-	-	-	S971	...	-	-	-	T08	...	661	661	661
S903	...	1	1	1	S978	...	2	2	2	T090	...	27	27	27
S907	...	-	-	-	S980	...	-	-	-	T091	...	997	997	997
S908	...	1	1	1	S981	...	1	1	1	T092	...	12	12	12
S909	...	1	1	1	S982	...	1	1	1	T093	...	742	742	742
S910	...	6	6	6	S983	...	-	-	-	T094	...	3	3	3
S911	...	1	1	1	S984	...	7	7	7	T095	...	3	3	3
S912	...	-	-	-	S997	...	-	-	-	T096	...	2	2	2
S913	...	21	21	21	S998	...	4	4	4	T098	...	1076	1076	1076

- 56 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 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
T099	...	1871	1871	1871	T181	...	9	9	9	T240	...	41	41	41
T10	...	212	212	212	T182	...	36	36	36	T241	...	-	-	-
T110	...	10	10	10	T183	...	4	4	4	T242	...	2	2	2
T111	...	375	375	375	T184	...	4	4	4	T243	...	9	9	9
T112	...	-	-	-	T185	...	-	-	-	T244	...	-	-	-
T113	...	-	-	-	T188	...	-	-	-	T245	...	-	-	-
T114	...	2	2	2	T189	...	431	431	431	T246	...	-	-	-
T115	...	3	3	3	T190	...	-	-	-	T247	...	-	-	-
T116	...	27	27	27	T191	...	2	2	2	T250	...	11	11	11
T118	...	24	24	24	T192	...	-	-	-	T251	...	-	-	-
T119	...	81	81	81	T193	...	-	-	-	T252	...	2	2	2
T12	...	346	346	346	T198	...	-	-	-	T253	...	1	1	1
T130	...	22	22	22	T199	...	1	1	1	T254	...	-	-	-
T131	...	213	213	213	T200	...	43	43	43	T255	...	-	-	-
T132	...	3	3	3	T201	...	-	-	-	T256	...	-	-	-
T133	...	-	-	-	T202	...	3	3	3	T257	...	-	-	-
T134	...	-	-	-	T203	...	9	9	9	T260	...	-	-	-
T135	...	1	1	1	T204	...	1	1	1	T261	...	-	-	-
T136	...	32	32	32	T205	...	-	-	-	T262	...	-	-	-
T138	...	98	98	98	T206	...	-	-	-	T263	...	-	-	-
T139	...	179	179	179	T207	...	-	-	-	T264	...	-	-	-
T140	...	401	401	401	T210	...	202	202	202	T265	...	-	-	-
T141	...	6098	6098	6098	T211	...	-	-	-	T266	...	-	-	-
T142	...	733	733	733	T212	...	7	7	7	T267	...	-	-	-
T143	...	34	34	34	T213	...	25	25	25	T268	...	-	-	-
T144	...	52	52	52	T214	...	1	1	1	T269	...	-	-	-
T145	...	252	252	252	T215	...	-	-	-	T270	...	4	4	4
T146	...	17	17	17	T216	...	-	-	-	T271	...	7	7	7
T147	...	416	416	416	T217	...	-	-	-	T272	...	1	1	1
T148	...	1937	1937	1938	T220	...	25	25	25	T273	...	105	105	105
T149	...	9775	9775	9775	T221	...	-	-	-	T274	...	-	-	-
T150	...	-	-	-	T222	...	1	1	1	T275	...	1	1	1
T151	...	1	1	1	T223	...	7	7	7	T276	...	2	2	2
T158	...	-	-	-	T224	...	-	-	-	T277	...	2	2	2
T159	...	3	3	3	T225	...	-	-	-	T280	...	2	2	2
T16	...	-	-	-	T226	...	-	-	-	T281	...	-	-	-
T170	...	2	2	2	T227	...	-	-	-	T282	...	4	4	4
T171	...	10	10	10	T230	...	4	4	4	T283	...	-	-	-
T172	...	39	39	39	T231	...	-	-	-	T284	...	1	1	1
T173	...	23	23	23	T232	...	1	1	1	T285	...	-	-	-
T174	...	60	60	60	T233	...	2	2	2	T286	...	-	-	-
T175	...	49	49	49	T234	...	-	-	-	T287	...	-	-	-
T178	...	370	370	370	T235	...	-	-	-	T288	...	-	-	-
T179	...	14796	14796	14802	T236	...	-	-	-	T289	...	-	-	-
T180	...	6	6	6	T237	...	-	-	-	T300	...	1991	1991	1991

- 57 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 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
T301	...	3	3	3	T348	...	-	-	-	T400	...	4	4	4
T302	...	28	28	28	T349	...	-	-	-	T401	...	2103	2103	2103
T303	...	112	112	112	T350	...	-	-	-	T402	...	2915	2915	2915
T304	...	11	11	11	T351	...	-	-	-	T403	...	831	831	831
T305	...	-	-	-	T352	...	-	-	-	T404	...	772	772	772
T306	...	-	-	-	T353	...	-	-	-	T405	...	4494	4494	4494
T307	...	1	1	1	T354	...	2	2	2	T406	...	3121	3121	3121
T310	...	15	15	15	T355	...	6	6	6	T407	...	49	49	49
T311	...	51	51	51	T356	...	-	-	-	T408	...	4	4	4
T312	...	45	45	45	T357	...	10	10	10	T409	...	10	10	10
T313	...	70	70	70	T360	...	1	1	1	T410	...	36	36	36
T314	...	44	44	44	T361	...	2	2	2	T411	...	36	36	36
T315	...	46	46	46	T362	...	-	-	-	T412	...	23	23	23
T316	...	74	74	74	T363	...	1	1	1	T413	...	15	15	15
T317	...	53	53	53	T364	...	1	1	1	T414	...	14	14	14
T318	...	55	55	55	T365	...	12	12	12	T415	...	5	5	5
T319	...	336	336	336	T366	...	1	1	1	T420	...	66	66	66
T320	...	-	-	-	T367	...	1	1	1	T421	...	42	42	42
T321	...	-	-	-	T368	...	3	3	3	T422	...	-	-	-
T322	...	-	-	-	T369	...	2	2	2	T423	...	331	331	331
T323	...	-	-	-	T370	...	2	2	2	T424	...	1219	1219	1219
T324	...	-	-	-	T371	...	5	5	5	T425	...	1	1	1
T325	...	-	-	-	T372	...	6	6	6	T426	...	158	158	158
T326	...	-	-	-	T373	...	-	-	-	T427	...	29	29	29
T327	...	-	-	-	T374	...	-	-	-	T428	...	147	147	147
T328	...	1	1	1	T375	...	-	-	-	T430	...	1261	1261	1262
T329	...	1	1	1	T378	...	6	6	6	T431	...	9	9	9
T330	...	-	-	-	T379	...	1	1	1	T432	...	687	687	687
T331	...	-	-	-	T380	...	1	1	1	T433	...	141	141	141
T332	...	-	-	-	T381	...	1	1	1	T434	...	17	17	17
T333	...	-	-	-	T382	...	1	1	1	T435	...	189	189	189
T334	...	-	-	-	T383	...	84	84	84	T436	...	700	700	700
T335	...	-	-	-	T384	...	-	-	-	T438	...	17	17	17
T336	...	-	-	-	T385	...	-	-	-	T439	...	1	1	1
T337	...	-	-	-	T386	...	-	-	-	T440	...	-	-	-
T338	...	-	-	-	T387	...	9	9	9	T441	...	1	1	1
T339	...	-	-	-	T388	...	2	2	2	T442	...	-	-	-
T340	...	1	1	1	T389	...	1	1	1	T443	...	23	23	23
T341	...	-	-	-	T390	...	183	183	183	T444	...	-	-	-
T342	...	-	-	-	T391	...	455	455	456	T445	...	2	2	2
T343	...	-	-	-	T392	...	-	-	-	T446	...	1	1	1
T344	...	-	-	-	T393	...	127	127	127	T447	...	48	48	48
T345	...	-	-	-	T394	...	-	-	-	T448	...	-	-	-
T346	...	-	-	-	T398	...	30	30	30	T449	...	40	40	40
T347	...	-	-	-	T399	...	-	-	-	T450	...	408	408	408



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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 CODE	RECORD COUNT BY CODE FIELD					
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY			
T451	...	105	105	105	T498	...	3	3	3	T565	...	1	1	1
T452	...	3	3	3	T499	...	1	1	1	T566	...	-	-	-
T453	...	2	2	2	T500	...	2	2	2	T567	...	-	-	-
T454	...	4	4	4	T501	...	8	8	8	T568	...	66	66	66
T455	...	136	136	136	T502	...	5	5	5	T569	...	-	-	-
T456	...	3	3	3	T503	...	26	26	26	T570	...	3	3	3
T457	...	5	5	5	T504	...	8	8	8	T571	...	5	5	5
T458	...	1	1	1	T505	...	22	22	22	T572	...	-	-	-
T459	...	1	1	1	T506	...	3	3	3	T573	...	1	1	1
T460	...	426	426	426	T507	...	3	3	3	T578	...	4	4	4
T461	...	115	115	115	T508	...	17	17	17	T579	...	1	1	1
T462	...	109	109	109	T509	...	9380	9380	9381	T58	...	2877	2877	2877
T463	...	5	5	5	T510	...	1290	1290	1290	T590	...	5	5	5
T464	...	4	4	4	T511	...	23	23	23	T591	...	3	3	3
T465	...	13	13	13	T512	...	40	40	40	T592	...	2	2	2
T466	...	1	1	1	T513	...	2	2	2	T593	...	-	-	-
T467	...	-	-	-	T518	...	13	13	13	T594	...	2	2	2
T468	...	-	-	-	T519	...	763	763	763	T595	...	-	-	-
T469	...	2	2	2	T520	...	15	15	15	T596	...	4	4	4
T470	...	3	3	3	T521	...	1	1	1	T597	...	15	15	15
T471	...	2	2	2	T522	...	29	29	29	T598	...	2646	2646	2646
T472	...	-	-	-	T523	...	8	8	8	T599	...	366	366	366
T473	...	-	-	-	T524	...	6	6	6	T600	...	9	9	9
T474	...	-	-	-	T528	...	88	88	88	T601	...	2	2	2
T475	...	1	1	1	T529	...	14	14	14	T602	...	2	2	2
T476	...	1	1	1	T530	...	2	2	2	T603	...	6	6	6
T477	...	1	1	1	T531	...	1	1	1	T604	...	7	7	7
T478	...	2	2	2	T532	...	2	2	2	T608	...	6	6	6
T479	...	3	3	3	T533	...	1	1	1	T609	...	14	14	14
T480	...	-	-	-	T534	...	2	2	2	T610	...	-	-	-
T481	...	21	21	21	T535	...	15	15	15	T611	...	-	-	-
T482	...	-	-	-	T536	...	1	1	1	T612	...	1	1	1
T483	...	38	38	38	T537	...	1	1	1	T618	...	-	-	-
T484	...	12	12	12	T539	...	1	1	1	T619	...	-	-	-
T485	...	5	5	5	T540	...	-	-	-	T620	...	4	4	4
T486	...	57	57	57	T541	...	-	-	-	T621	...	-	-	-
T487	...	6	6	6	T542	...	22	22	22	T622	...	3	3	3
T490	...	11	11	11	T543	...	18	18	18	T628	...	-	-	-
T491	...	1	1	1	T549	...	9	9	9	T629	...	3	3	3
T492	...	-	-	-	T55	...	1	1	1	T630	...	4	4	4
T493	...	2	2	2	T560	...	5	5	5	T631	...	1	1	1
T494	...	4	4	4	T561	...	4	4	4	T632	...	1	1	1
T495	...	-	-	-	T562	...	-	-	-	T633	...	7	7	7
T496	...	1	1	1	T563	...	1	1	1	T634	...	44	44	44
T497	...	-	-	-	T564	...	-	-	-	T635	...	-	-	-

- 59 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 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
T636	...	-	-	-	T742	...	2	2	2	T819	...	719	719	719
T638	...	-	-	-	T743	...	-	-	-	T820	...	113	113	113
T639	...	2	2	2	T748	...	113	113	113	T821	...	85	85	85
T64	...	-	-	-	T749	...	25	25	25	T822	...	47	47	47
T650	...	34	34	34	T750	...	12	12	12	T823	...	56	56	56
T651	...	7	7	7	T751	...	5472	5472	5473	T824	...	15	15	15
T652	...	9	9	9	T752	...	1	1	1	T825	...	38	38	38
T653	...	4	4	4	T753	...	-	-	-	T826	...	181	181	181
T654	...	-	-	-	T754	...	510	510	510	T827	...	978	978	978
T655	...	-	-	-	T758	...	270	270	270	T828	...	4261	4261	4261
T656	...	5	5	5	T780	...	9	9	9	T829	...	375	375	375
T658	...	8	8	8	T781	...	13	13	13	T830	...	10	10	10
T659	...	150	150	150	T782	...	168	168	168	T831	...	3	3	3
T66	...	40	40	40	T783	...	44	44	44	T832	...	2	2	2
T670	...	542	542	543	T784	...	107	107	107	T833	...	2	2	2
T671	...	1	1	1	T788	...	-	-	-	T834	...	2	2	2
T672	...	-	-	-	T789	...	2	2	2	T835	...	374	374	374
T673	...	-	-	-	T790	...	52	52	52	T836	...	5	5	5
T674	...	-	-	-	T791	...	165	165	165	T838	...	54	54	54
T675	...	109	109	109	T792	...	-	-	-	T839	...	54	54	54
T676	...	-	-	-	T793	...	50	50	50	T840	...	57	57	57
T677	...	-	-	-	T794	...	764	764	764	T841	...	4	4	4
T678	...	115	115	115	T795	...	5	5	5	T842	...	4	4	4
T679	...	322	322	322	T796	...	42	42	42	T843	...	4	4	4
T68	...	1139	1139	1139	T797	...	159	159	159	T844	...	-	-	-
T690	...	2	2	2	T798	...	1212	1212	1211	T845	...	138	138	138
T691	...	-	-	-	T799	...	38	38	38	T846	...	16	16	16
T698	...	7	7	7	T800	...	4	4	4	T847	...	16	16	16
T699	...	202	202	203	T801	...	1	1	1	T848	...	228	228	228
T700	...	-	-	-	T802	...	87	87	87	T849	...	27	27	27
T701	...	-	-	-	T803	...	1	1	1	T850	...	44	44	44
T702	...	29	29	29	T804	...	-	-	-	T851	...	1	1	1
T703	...	1	1	1	T805	...	-	-	-	T852	...	1	1	1
T704	...	-	-	-	T806	...	3	3	3	T853	...	2	2	2
T708	...	2	2	2	T808	...	46	46	46	T854	...	-	-	-
T709	...	1	1	1	T809	...	134	134	134	T855	...	47	47	47
T71	...	9106	9106	9108	T810	...	964	964	964	T856	...	69	69	69
T730	...	218	218	218	T811	...	292	292	292	T857	...	292	292	292
T731	...	4	4	4	T812	...	523	523	523	T858	...	283	283	283
T732	...	2	2	2	T813	...	240	240	240	T859	...	233	233	233
T733	...	31	31	31	T814	...	2311	2311	2311	T860	...	859	859	859
T738	...	3	3	3	T815	...	6	6	6	T861	...	280	280	280
T739	...	2	2	2	T816	...	19	19	19	T862	...	261	261	261
T740	...	47	47	47	T817	...	1644	1644	1644	T863	...	15	15	15
T741	...	21	21	21	T818	...	3341	3341	3342	T864	...	239	239	239

- 60 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 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
T868	...	242	242	242	T931	...	455	455	455	V099	468	470	2	470
T869	...	69	69	69	T932	...	26	26	26	V100	-	-	-	-
T870	...	-	-	-	T933	...	-	-	-	V101	-	-	-	-
T871	...	1	1	1	T934	...	1	1	1	V102	-	-	-	-
T872	...	1	1	1	T935	...	-	-	-	V103	-	-	-	-
T873	...	3	3	3	T936	...	1	1	1	V104	-	-	-	-
T874	...	190	190	190	T938	...	-	-	-	V105	-	-	-	-
T875	...	46	46	46	T939	...	10	10	10	V109	-	-	-	-
T876	...	147	147	147	T940	...	32	32	32	V110	1	1	-	1
T880	...	-	-	-	T941	...	324	324	324	V111	-	-	-	-
T881	...	4	4	4	T950	...	3	3	3	V112	-	-	-	-
T882	...	2	2	2	T951	...	2	2	2	V113	-	-	-	-
T883	...	2	2	2	T952	...	-	-	-	V114	3	3	-	3
T884	...	11	11	11	T953	...	-	-	-	V115	-	-	-	-
T885	...	14	14	14	T954	...	1	1	1	V119	2	2	-	2
T886	...	36	36	36	T958	...	3	3	3	V120	-	-	-	-
T887	...	311	311	311	T959	...	23	23	23	V121	1	1	-	1
T888	...	62	62	62	T96	...	48	48	48	V122	-	-	-	-
T889	...	401	401	401	T97	...	45	45	45	V123	-	-	-	-
T900	...	7	7	7	T980	...	186	186	186	V124	3	3	-	3
T901	...	67	67	67	T981	...	122	122	122	V125	-	-	-	-
T902	...	26	26	26	T982	...	31	31	31	V129	2	2	-	2
T903	...	9	9	9	T983	...	839	839	839	V130	3	3	-	3
T904	...	6	6	6	V010	2	3	1	3	V131	19	19	-	19
T905	...	650	650	650	V011	7	7	-	7	V132	2	2	-	2
T908	...	114	114	114	V019	-	1	1	1	V133	-	-	-	-
T909	...	364	364	364	V020	2	2	-	2	V134	177	179	2	179
T910	...	85	85	85	V021	29	29	-	29	V135	4	4	-	4
T911	...	144	144	144	V029	-	-	-	-	V139	207	207	-	207
T912	...	48	48	48	V030	187	191	4	191	V140	1	1	-	1
T913	...	586	586	586	V031	2877	2905	28	2905	V141	-	-	-	-
T914	...	23	23	23	V039	21	22	1	22	V142	1	1	-	1
T915	...	20	20	20	V040	36	36	-	36	V143	-	-	-	-
T918	...	138	138	138	V041	233	233	-	233	V144	11	11	-	11
T919	...	85	85	85	V049	4	4	-	4	V145	-	-	-	-
T920	...	1	1	1	V050	198	198	-	198	V149	23	23	-	23
T921	...	24	24	24	V051	74	75	1	75	V150	3	3	-	3
T922	...	1	1	1	V059	168	168	-	168	V151	-	-	-	-
T923	...	1	1	1	V060	7	7	-	7	V152	-	-	-	-
T924	...	-	-	-	V061	1	1	-	1	V153	-	-	-	-
T925	...	-	-	-	V069	1	1	-	1	V154	-	-	-	-
T926	...	-	-	-	V090	78	80	2	80	V155	-	-	-	-
T928	...	1	1	1	V091	147	149	2	149	V159	6	6	-	6
T929	...	4	4	4	V092	1381	1400	19	1400	V160	-	-	-	-
T930	...	12	12	12	V093	126	126	-	126	V161	-	-	-	-

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
V162	-	-	-	-	V223	-	-	-	-	V289	43	44	1	44
V163	-	-	-	-	V224	18	18	-	18	V290	9	9	-	9
V164	-	-	-	-	V225	3	3	-	3	V291	1	1	-	1
V165	-	-	-	-	V229	5	5	-	5	V292	4	4	-	4
V169	-	-	-	-	V230	3	3	-	3	V293	14	14	-	14
V170	2	2	-	2	V231	1	1	-	1	V294	186	187	1	187
V171	-	1	1	1	V232	-	-	-	-	V295	36	36	-	36
V172	3	3	-	3	V233	-	-	-	-	V296	49	49	-	49
V173	-	-	-	-	V234	522	524	2	524	V298	14	14	-	14
V174	2	2	-	2	V235	57	57	-	57	V299	386	392	6	392
V175	1	1	-	1	V239	107	109	2	109	V300	-	-	-	-
V179	5	5	-	5	V240	-	-	-	-	V301	-	-	-	-
V180	11	11	-	11	V241	-	-	-	-	V302	-	-	-	-
V181	1	1	-	1	V242	-	-	-	-	V303	-	-	-	-
V182	8	9	1	9	V243	-	-	-	-	V304	-	-	-	-
V183	-	-	-	-	V244	44	44	-	44	V305	-	-	-	-
V184	14	17	3	17	V245	4	4	-	4	V306	-	-	-	-
V185	-	-	-	-	V249	12	12	-	12	V307	-	-	-	-
V189	31	34	3	34	V250	-	-	-	-	V309	-	-	-	-
V190	-	-	-	-	V251	-	-	-	-	V310	-	-	-	-
V191	4	4	-	4	V252	-	-	-	-	V311	-	-	-	-
V192	6	6	-	6	V253	-	-	-	-	V312	-	-	-	-
V193	5	5	-	5	V254	5	5	-	5	V313	-	-	-	-
V194	97	97	-	97	V255	-	-	-	-	V314	-	-	-	-
V195	3	3	-	3	V259	1	1	-	1	V315	-	-	-	-
V196	88	88	-	88	V260	-	-	-	-	V316	-	-	-	-
V198	7	8	1	8	V261	-	-	-	-	V317	-	-	-	-
V199	43	44	1	44	V262	-	-	-	-	V319	-	-	-	-
V200	-	-	-	-	V263	-	-	-	-	V320	-	-	-	-
V201	-	-	-	-	V264	2	2	-	2	V321	-	-	-	-
V202	-	-	-	-	V265	-	-	-	-	V322	-	-	-	-
V203	-	-	-	-	V269	-	-	-	-	V323	-	-	-	-
V204	21	22	1	22	V270	4	4	-	4	V324	1	1	-	1
V205	5	5	-	5	V271	1	1	-	1	V325	-	-	-	-
V209	3	3	-	3	V272	3	3	-	3	V326	-	-	-	-
V210	-	-	-	-	V273	-	-	-	-	V327	-	-	-	-
V211	-	-	-	-	V274	331	332	2	332	V329	-	-	-	-
V212	-	-	-	-	V275	36	36	-	36	V330	-	-	-	-
V213	-	-	-	-	V279	66	67	1	67	V331	-	-	-	-
V214	1	1	-	1	V280	11	11	-	11	V332	-	-	-	-
V215	1	1	-	1	V281	-	-	-	-	V333	-	-	-	-
V219	-	-	-	-	V282	7	7	-	7	V334	-	-	-	-
V220	3	3	-	3	V283	-	-	-	-	V335	3	3	-	3
V221	1	1	-	1	V284	266	270	4	270	V336	1	1	-	1
V222	-	-	-	-	V285	30	30	-	30	V337	-	-	-	-

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 CODE	RECORD COUNT BY CODE FIELD			ICD-10 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
V339	1	1	-	1	V389	4	4	-	4	V439	560	575	15	575
V340	-	-	-	-	V390	-	-	-	-	V440	2	2	-	2
V341	-	-	-	-	V391	-	-	-	-	V441	2	2	-	2
V342	-	-	-	-	V392	1	1	-	1	V442	-	-	-	-
V343	-	-	-	-	V393	4	4	-	4	V443	-	-	-	-
V344	-	-	-	-	V394	3	3	-	3	V444	-	-	-	-
V345	-	-	-	-	V395	-	-	-	-	V445	657	662	5	662
V346	-	-	-	-	V396	-	-	-	-	V446	258	258	-	258
V347	-	-	-	-	V398	-	-	-	-	V447	-	-	-	-
V349	-	1	-	1	V399	1	1	-	1	V449	85	85	-	85
V350	-	-	-	-	V400	-	-	-	-	V450	4	4	-	4
V351	-	-	-	-	V401	-	-	-	-	V451	6	6	-	6
V352	-	-	-	-	V402	-	-	-	-	V452	-	-	-	-
V353	-	-	-	-	V403	-	-	-	-	V453	5	5	-	5
V354	-	-	-	-	V404	-	-	-	-	V454	-	-	-	-
V355	-	-	-	-	V405	19	20	1	20	V455	76	76	-	76
V356	-	-	-	-	V406	9	9	-	9	V456	32	32	-	32
V357	-	-	-	-	V407	1	1	-	1	V457	-	-	-	-
V359	-	-	-	-	V409	17	17	-	17	V459	37	38	1	38
V360	-	-	-	-	V410	-	-	-	-	V460	-	-	-	-
V361	-	-	-	-	V411	-	-	-	-	V461	-	-	-	-
V362	-	-	-	-	V412	-	-	-	-	V462	-	-	-	-
V363	-	-	-	-	V413	-	-	-	-	V463	-	-	-	-
V364	-	-	-	-	V414	-	-	-	-	V464	-	-	-	-
V365	-	-	-	-	V415	-	-	-	-	V465	7	7	-	7
V366	-	-	-	-	V416	-	-	-	-	V466	1	1	-	1
V367	-	-	-	-	V417	-	-	-	-	V467	-	-	-	-
V369	-	-	-	-	V419	-	-	-	-	V469	-	-	-	-
V370	-	-	-	-	V420	-	-	-	-	V470	11	11	-	11
V371	1	1	-	1	V421	-	-	-	-	V471	8	8	-	8
V372	-	-	-	-	V422	-	-	-	-	V472	1	1	-	1
V373	-	-	-	-	V423	1	1	-	1	V473	6	6	-	6
V374	-	-	-	-	V424	-	-	-	-	V474	3	3	-	3
V375	4	4	-	4	V425	11	11	-	11	V475	1861	1904	43	1904
V376	-	-	-	-	V426	7	7	-	7	V476	712	716	4	716
V377	-	-	-	-	V427	-	-	-	-	V477	1	1	-	1
V379	-	-	-	-	V429	6	6	-	6	V479	381	396	15	396
V380	-	-	-	-	V430	8	9	1	9	V480	13	13	-	13
V381	1	1	-	1	V431	4	4	-	4	V481	7	7	-	7
V382	-	-	-	-	V432	-	-	-	-	V482	2	2	-	2
V383	1	1	-	1	V433	-	-	-	-	V483	10	11	1	11
V384	-	-	-	-	V434	-	-	-	-	V484	8	12	4	12
V385	6	6	-	6	V435	2988	3030	42	3030	V485	1436	1446	10	1446
V386	1	1	-	1	V436	1497	1516	19	1516	V486	650	653	3	653
V387	-	-	-	-	V437	2	2	-	2	V487	3	3	-	3

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
V489	421	427	6	427	V539	52	52	-	52	V589	119	120	1	120
V490	3	4	1	4	V540	-	-	-	-	V590	1	1	-	1
V491	3	4	1	4	V541	-	-	-	-	V591	1	1	-	1
V492	5	6	1	6	V542	-	-	-	-	V592	-	-	-	-
V493	9	9	-	9	V543	-	-	-	-	V593	5	5	-	5
V494	396	405	9	405	V544	-	-	-	-	V594	67	70	3	70
V495	326	330	4	330	V545	286	289	3	289	V595	59	60	1	60
V496	291	301	10	301	V546	90	90	-	90	V596	23	23	-	23
V498	30	30	-	30	V547	-	-	-	-	V598	34	35	1	35
V499	1650	1712	62	1712	V549	26	26	-	26	V599	113	117	4	117
V500	-	-	-	-	V550	5	5	-	5	V600	-	-	-	-
V501	-	-	-	-	V551	-	-	-	-	V601	-	-	-	-
V502	-	-	-	-	V552	-	-	-	-	V602	-	-	-	-
V503	-	-	-	-	V553	5	5	-	5	V603	2	2	-	2
V504	-	-	-	-	V554	-	-	-	-	V604	-	-	-	-
V505	3	3	-	3	V555	30	30	-	30	V605	4	4	-	4
V506	1	1	-	1	V556	10	10	-	10	V606	-	-	-	-
V507	1	1	-	1	V557	-	-	-	-	V607	-	-	-	-
V509	2	2	-	2	V559	10	10	-	10	V609	-	-	-	-
V510	-	-	-	-	V560	-	-	-	-	V610	-	-	-	-
V511	-	-	-	-	V561	-	-	-	-	V611	-	-	-	-
V512	-	-	-	-	V562	-	-	-	-	V612	-	-	-	-
V513	-	-	-	-	V563	-	-	-	-	V613	-	-	-	-
V514	-	-	-	-	V564	-	-	-	-	V614	-	-	-	-
V515	-	-	-	-	V565	2	2	-	2	V615	-	-	-	-
V516	-	-	-	-	V566	-	-	-	-	V616	-	-	-	-
V517	-	-	-	-	V567	-	-	-	-	V617	-	-	-	-
V519	-	-	-	-	V569	1	1	-	1	V619	-	-	-	-
V520	-	-	-	-	V570	5	5	-	5	V620	-	-	-	-
V521	-	-	-	-	V571	1	1	-	1	V621	-	-	-	-
V522	-	-	-	-	V572	1	1	-	1	V622	-	-	-	-
V523	-	-	-	-	V573	-	-	-	-	V623	-	-	-	-
V524	-	-	-	-	V574	-	-	-	-	V624	-	-	-	-
V525	3	3	-	3	V575	469	476	7	476	V625	1	1	-	1
V526	-	-	-	-	V576	122	123	1	123	V626	-	-	-	-
V527	-	-	-	-	V577	-	-	-	-	V627	-	-	-	-
V529	2	2	-	2	V579	62	63	1	63	V629	-	-	-	-
V530	1	1	-	1	V580	4	4	-	4	V630	-	-	-	-
V531	-	-	-	-	V581	4	4	-	4	V631	-	-	-	-
V532	-	-	-	-	V582	3	3	-	3	V632	-	-	-	-
V533	1	1	-	1	V583	8	8	-	8	V633	-	-	-	-
V534	1	1	-	1	V584	1	2	1	2	V634	-	-	-	-
V535	478	484	6	484	V585	534	541	7	541	V635	30	31	1	31
V536	194	196	2	196	V586	287	289	2	289	V636	7	7	-	7
V537	-	-	-	-	V587	6	6	-	6	V637	-	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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
V639	7	8	1	8	V689	40	41	1	41	V739	2	2	-	2
V640	2	2	-	2	V690	-	-	-	-	V740	-	-	-	-
V641	-	-	-	-	V691	-	-	-	-	V741	-	-	-	-
V642	-	-	-	-	V692	-	-	-	-	V742	-	-	-	-
V643	-	-	-	-	V693	2	2	-	2	V743	-	-	-	-
V644	-	-	-	-	V694	13	13	-	13	V744	-	-	-	-
V645	50	50	-	50	V695	9	9	-	9	V745	5	5	-	5
V646	3	3	-	3	V696	3	3	-	3	V746	5	5	-	5
V647	-	-	-	-	V698	9	9	-	9	V747	-	-	-	-
V649	9	9	-	9	V699	14	15	1	15	V749	1	1	-	1
V650	-	-	-	-	V700	-	-	-	-	V750	-	-	-	-
V651	-	-	-	-	V701	-	-	-	-	V751	-	1	1	1
V652	-	-	-	-	V702	-	-	-	-	V752	-	-	-	-
V653	-	-	-	-	V703	-	-	-	-	V753	-	-	-	-
V654	-	-	-	-	V704	-	-	-	-	V754	-	-	-	-
V655	6	6	-	6	V705	-	-	-	-	V755	-	-	-	-
V656	2	2	-	2	V706	-	-	-	-	V756	-	-	-	-
V657	-	-	-	-	V707	-	-	-	-	V757	-	-	-	-
V659	-	-	-	-	V709	1	1	-	1	V759	-	-	-	-
V660	-	-	-	-	V710	-	-	-	-	V760	-	-	-	-
V661	-	-	-	-	V711	-	-	-	-	V761	-	-	-	-
V662	-	-	-	-	V712	-	-	-	-	V762	-	-	-	-
V663	-	-	-	-	V713	-	-	-	-	V763	-	-	-	-
V664	-	-	-	-	V714	-	-	-	-	V764	-	-	-	-
V665	-	-	-	-	V715	-	-	-	-	V765	-	-	-	-
V666	-	-	-	-	V716	-	-	-	-	V766	-	-	-	-
V667	-	-	-	-	V717	-	-	-	-	V767	-	-	-	-
V669	-	-	-	-	V719	-	-	-	-	V769	-	-	-	-
V670	2	2	-	2	V720	-	-	-	-	V770	-	-	-	-
V671	-	-	-	-	V721	-	-	-	-	V771	-	-	-	-
V672	-	-	-	-	V722	-	-	-	-	V772	-	-	-	-
V673	1	1	-	1	V723	-	-	-	-	V773	-	-	-	-
V674	-	-	-	-	V724	-	-	-	-	V774	-	-	-	-
V675	61	61	-	61	V725	-	-	-	-	V775	-	-	-	-
V676	8	8	-	8	V726	-	-	-	-	V776	8	8	-	8
V677	-	-	-	-	V727	-	-	-	-	V777	-	-	-	-
V679	10	11	1	11	V729	-	-	-	-	V779	-	-	-	-
V680	-	-	-	-	V730	-	-	-	-	V780	-	-	-	-
V681	2	2	-	2	V731	-	-	-	-	V781	-	-	-	-
V682	-	-	-	-	V732	-	-	-	-	V782	-	-	-	-
V683	3	3	-	3	V733	-	-	-	-	V783	-	-	-	-
V684	3	3	-	3	V734	-	-	-	-	V784	2	2	-	2
V685	98	98	-	98	V735	3	3	-	3	V785	1	3	2	3
V686	18	19	1	19	V736	1	1	-	1	V786	2	2	-	2
V687	3	3	-	3	V737	-	-	-	-	V787	-	-	-	-

- 65 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
V789	-	-	-	-	V835	3	3	-	3	V884	1	1	-	1
V790	-	-	-	-	V836	1	1	-	1	V885	-	-	-	-
V791	-	-	-	-	V837	3	3	-	3	V886	1	1	-	1
V792	-	-	-	-	V839	3	5	2	5	V887	36	38	2	38
V793	2	2	-	2	V840	42	42	-	42	V888	10	10	-	10
V794	2	2	-	2	V841	-	-	-	-	V889	3	3	-	3
V795	-	-	-	-	V842	1	1	-	1	V890	96	103	7	103
V796	2	2	-	2	V843	12	13	1	13	V891	6	6	-	6
V798	3	3	-	3	V844	1	3	2	3	V892	11066	11384	319	11385
V799	22	22	-	22	V845	43	45	2	45	V893	2	2	-	2
V800	74	75	1	75	V846	2	2	-	2	V899	604	694	90	694
V801	-	-	-	-	V847	16	16	-	16	V900	-	-	-	-
V802	-	-	-	-	V849	231	238	7	238	V901	1	1	-	1
V803	-	-	-	-	V850	13	14	1	14	V902	23	23	-	23
V804	9	9	-	9	V851	-	-	-	-	V903	22	22	-	22
V805	-	-	-	-	V852	1	1	-	1	V904	4	4	-	4
V806	-	-	-	-	V853	4	4	-	4	V905	34	34	-	34
V807	-	-	-	-	V854	-	-	-	-	V906	7	7	-	7
V808	1	1	-	1	V855	9	9	-	9	V907	1	1	-	1
V809	26	30	4	30	V856	-	-	-	-	V908	7	7	-	7
V810	10	10	-	10	V857	4	4	-	4	V909	169	169	-	169
V811	-	-	-	-	V859	7	9	2	9	V910	1	1	-	1
V812	7	7	-	7	V860	118	119	1	119	V911	-	-	-	-
V813	3	3	-	3	V861	24	24	-	24	V912	-	-	-	-
V814	-	-	-	-	V862	1	1	-	1	V913	25	25	-	25
V815	3	3	-	3	V863	83	83	-	83	V914	-	-	-	-
V816	12	12	-	12	V864	-	-	-	-	V915	1	1	-	1
V817	1	1	-	1	V865	133	133	-	133	V916	-	-	-	-
V818	7	7	-	7	V866	17	17	-	17	V917	-	-	-	-
V819	11	12	1	12	V867	6	6	-	6	V918	1	1	-	1
V820	-	-	-	-	V869	221	222	1	222	V919	51	52	1	52
V821	-	-	-	-	V870	57	58	1	58	V920	-	-	-	-
V822	-	-	-	-	V871	12	13	1	13	V921	4	4	-	4
V823	-	-	-	-	V872	258	261	3	261	V922	19	19	-	19
V824	1	1	-	1	V873	11	11	-	11	V923	15	15	-	15
V825	-	-	-	-	V874	81	82	1	82	V924	2	2	-	2
V826	-	-	-	-	V875	3	3	-	3	V925	21	21	-	21
V827	-	-	-	-	V876	24	24	-	24	V926	15	15	-	15
V828	-	-	-	-	V877	3135	3182	47	3182	V927	2	2	-	2
V829	-	-	-	-	V878	569	576	7	576	V928	11	11	-	11
V830	-	-	-	-	V879	10	10	-	10	V929	144	145	1	145
V831	2	2	-	2	V880	-	-	-	-	V930	1	1	-	1
V832	3	3	-	3	V881	-	-	-	-	V931	-	-	-	-
V833	2	2	-	2	V882	-	-	-	-	V932	-	-	-	-
V834	1	1	-	1	V883	-	-	-	-	V933	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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS
V934	1	1	-	1	W10	1421	1570	149	1570	W58	-	-	-	-
V935	-	-	-	-	W11	320	349	29	349	W59	45	119	74	119
V936	-	-	-	-	W12	55	56	1	56	W60	-	-	-	-
V937	-	-	-	-	W13	550	609	59	609	W64	13	13	-	13
V938	-	-	-	-	W14	72	75	3	75	W65	290	317	27	317
V939	14	15	1	15	W15	83	83	-	83	W66	30	32	2	32
V940	-	-	-	-	W16	61	70	9	70	W67	421	426	5	426
V941	-	-	-	-	W17	552	585	33	585	W68	109	111	2	111
V942	-	-	-	-	W18	674	834	160	834	W69	949	961	12	961
V943	10	10	-	10	W19	7807	10892	3090	10897	W70	263	268	5	268
V944	-	-	-	-	W20	701	712	11	712	W73	222	227	5	227
V945	2	2	-	2	W21	10	10	-	10	W74	1245	1288	43	1288
V946	1	1	-	1	W22	131	143	12	143	W75	330	343	13	343
V947	3	3	-	3	W23	93	100	7	100	W76	307	314	7	314
V948	2	2	-	2	W24	117	118	1	118	W77	47	50	3	50
V949	63	63	-	63	W25	30	32	2	32	W78	417	1297	880	1297
V950	59	59	-	59	W26	3	4	1	4	W79	640	1227	587	1227
V951	33	33	-	33	W27	6	7	1	7	W80	2828	17772	14949	17772
V952	60	60	-	60	W28	23	24	1	24	W81	16	18	2	18
V953	30	30	-	30	W29	6	7	1	7	W83	154	172	18	172
V954	-	-	-	-	W30	198	212	14	212	W84	764	2027	1265	2027
V958	30	30	-	30	W31	307	314	7	314	W85	127	129	2	129
V959	459	462	3	462	W32	130	132	2	132	W86	147	153	6	153
V960	1	1	-	1	W33	112	111	1	113	W87	163	169	6	169
V961	6	6	-	6	W34	582	621	39	621	W88	-	-	-	-
V962	-	-	-	-	W35	6	6	-	6	W89	-	-	-	-
V968	5	5	-	5	W36	6	6	-	6	W90	-	-	-	-
V969	1	1	-	1	W37	14	15	1	15	W91	-	-	-	-
V970	1	1	-	1	W38	7	7	-	7	W92	15	19	4	19
V971	2	2	-	2	W39	7	7	-	7	W93	3	3	-	3
V972	24	25	1	25	W40	166	172	6	172	W94	22	37	15	37
V973	4	4	-	4	W41	3	3	-	3	W99	2	3	1	3
V978	-	-	-	-	W42	-	-	-	-	X00	2676	2734	58	2734
V98	8	9	1	9	W43	-	-	-	-	X01	78	79	1	79
V99	6	7	1	7	W44	32	43	11	43	X02	56	62	6	62
W00	74	83	9	83	W45	6	7	1	7	X03	32	33	1	33
W01	611	821	210	821	W49	43	57	14	57	X04	73	76	3	76
W02	57	70	13	70	W50	35	40	5	40	X05	6	6	-	6
W03	15	17	2	17	W51	17	20	3	20	X06	112	127	15	127
W04	13	18	5	18	W52	-	-	-	-	X08	69	74	5	74
W05	169	233	64	233	W53	1	2	1	2	X09	246	336	90	336
W06	400	589	190	590	W54	25	28	3	28	X10	5	7	2	7
W07	178	261	83	261	W55	68	72	4	72	X11	51	60	9	60
W08	46	57	11	57	W56	-	-	-	-	X12	15	21	6	21
W09	4	4	-	4	W57	10	16	6	16	X13	5	5	-	5

- 67 -  
 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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
X14	2	2	-	2	X61	859	906	47	906	Y060	-	-	-	-
X15	11	13	2	13	X62	380	409	29	409	Y061	-	-	-	-
X16	17	22	5	22	X63	22	23	1	23	Y062	1	1	-	1
X17	2	2	-	2	X64	1747	1827	80	1827	Y068	3	7	4	7
X18	6	6	-	6	X65	24	210	186	210	Y069	34	47	13	47
X19	9	13	4	13	X66	64	66	2	66	Y070	1	1	-	1
X20	7	8	1	8	X67	1535	1545	10	1545	Y071	7	7	-	7
X21	6	10	4	10	X68	16	17	1	17	Y072	1	1	-	1
X22	-	-	-	-	X69	73	78	5	78	Y073	-	-	-	-
X23	43	50	7	50	X70	5427	5461	34	5461	Y078	9	9	-	9
X24	1	1	-	1	X71	311	318	7	318	Y079	171	181	10	181
X25	2	2	-	2	X72	3476	3489	13	3489	Y08	741	813	72	813
X26	-	-	-	-	X73	2776	2801	25	2801	Y09	1411	1507	96	1507
X27	-	-	-	-	X74	10347	10420	73	10421	Y10	38	42	4	42
X28	-	-	-	-	X75	8	9	1	9	Y11	231	257	26	257
X29	2	2	-	2	X76	171	180	9	180	Y12	1425	1519	94	1519
X30	594	971	377	971	X77	-	-	-	-	Y13	4	7	3	7
X31	598	926	329	926	X78	404	435	31	435	Y14	775	826	52	826
X32	3	4	1	4	X79	3	4	1	4	Y15	17	135	118	135
X33	64	65	1	65	X80	693	699	6	699	Y16	9	11	2	11
X34	2	2	-	2	X81	272	275	3	275	Y17	80	81	1	81
X35	-	-	-	-	X82	87	90	3	90	Y18	2	3	1	3
X36	44	44	-	44	X83	196	210	14	210	Y19	14	19	5	19
X37	129	129	-	129	X84	116	174	58	174	Y20	110	118	8	118
X38	15	17	2	17	X85	40	53	13	53	Y21	243	252	9	252
X39	39	47	8	47	X86	2	2	-	2	Y22	70	70	-	70
X40	168	215	47	215	X87	-	-	-	-	Y23	33	34	1	34
X41	671	863	192	863	X88	19	21	2	21	Y24	221	226	5	226
X42	6009	6887	878	6887	X89	4	5	1	5	Y25	6	6	-	6
X43	21	30	9	30	X90	2	3	1	3	Y26	70	74	4	74
X44	4286	5333	1047	5333	X91	708	744	36	744	Y27	1	1	-	1
X45	320	1586	1266	1586	X92	70	75	5	75	Y28	12	17	5	17
X46	63	70	7	70	X93	1082	1090	8	1090	Y29	3	3	-	3
X47	534	589	56	589	X94	693	700	7	700	Y30	59	64	5	64
X48	12	15	3	15	X95	9053	9084	31	9084	Y31	45	46	1	46
X49	102	183	81	183	X96	1	2	1	2	Y32	30	32	2	32
X50	21	40	19	40	X97	190	202	12	202	Y33	122	149	27	149
X51	-	-	-	-	X98	7	7	-	7	Y34	258	298	40	298
X52	-	-	-	-	X99	1879	1959	80	1959	Y350	299	299	-	299
X53	137	201	64	201	Y00	242	261	19	261	Y351	1	1	-	1
X54	1	2	1	2	Y01	17	18	1	18	Y352	-	-	-	-
X57	32	78	46	78	Y02	85	86	1	86	Y353	1	1	-	1
X58	77	116	39	116	Y03	106	109	3	109	Y354	-	-	-	-
X59	7459	18744	11286	18744	Y04	166	204	38	204	Y355	88	96	8	96
X60	173	176	3	176	Y05	4	7	3	7	Y356	8	10	2	10

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
Y357	-	-	-	-	Y436	1	7	6	7	Y492	-	3	3	3
Y360	-	-	-	-	Y438	-	-	-	-	Y493	1	5	4	5
Y361	-	-	-	-	Y439	-	1	1	1	Y494	2	7	5	7
Y362	-	-	-	-	Y440	2	5	3	5	Y495	-	15	15	15
Y363	-	-	-	-	Y441	-	1	1	1	Y496	-	2	2	2
Y364	-	1	1	1	Y442	17	1169	1152	1169	Y497	2	7	5	7
Y365	-	-	-	-	Y443	9	60	51	60	Y498	-	1	1	1
Y366	-	-	-	-	Y444	-	1	1	1	Y499	-	1	1	1
Y367	-	-	-	-	Y445	4	240	236	240	Y500	-	1	1	1
Y368	-	1	1	1	Y446	-	2	2	2	Y501	-	-	-	-
Y369	2	7	5	7	Y447	-	-	-	-	Y502	-	-	-	-
Y400	3	14	11	14	Y449	1	20	19	20	Y508	-	1	1	1
Y401	6	18	12	18	Y450	8	46	38	46	Y509	-	2	2	2
Y402	-	-	-	-	Y451	1	21	20	21	Y510	-	-	-	-
Y403	1	1	-	1	Y452	1	13	12	13	Y511	-	-	-	-
Y404	-	1	1	1	Y453	1	33	32	33	Y512	-	-	-	-
Y405	-	5	5	5	Y454	-	1	1	1	Y513	-	5	5	5
Y406	-	2	2	2	Y455	1	12	11	12	Y514	-	-	-	-
Y407	-	2	2	2	Y458	2	8	6	8	Y515	-	-	-	-
Y408	3	30	27	30	Y459	1	1	-	1	Y516	-	-	-	-
Y409	7	107	100	107	Y460	-	1	1	1	Y517	-	3	3	3
Y410	1	3	2	3	Y461	-	-	-	-	Y518	-	1	1	1
Y411	-	10	10	10	Y462	4	18	14	18	Y519	-	3	3	3
Y412	-	1	1	1	Y463	-	-	-	-	Y520	1	13	12	13
Y413	-	-	-	-	Y464	-	4	4	4	Y521	-	2	2	2
Y414	-	-	-	-	Y465	-	6	6	6	Y522	-	44	44	44
Y415	-	15	15	15	Y466	1	2	1	2	Y523	-	1	1	1
Y418	-	3	3	3	Y467	-	3	3	3	Y524	3	9	6	9
Y419	-	2	2	2	Y468	-	1	1	1	Y525	-	3	3	3
Y420	-	58	58	58	Y470	-	2	2	2	Y526	-	2	2	2
Y421	-	-	-	-	Y471	-	2	2	2	Y527	-	-	-	-
Y422	-	19	19	19	Y472	-	-	-	-	Y528	-	-	-	-
Y423	12	60	48	60	Y473	-	-	-	-	Y529	1	2	1	2
Y424	-	2	2	2	Y474	-	-	-	-	Y530	1	2	1	2
Y425	-	1	1	1	Y475	-	-	-	-	Y531	-	1	1	1
Y426	-	-	-	-	Y478	-	-	-	-	Y532	-	-	-	-
Y427	-	389	389	389	Y479	-	6	6	6	Y533	-	-	-	-
Y428	-	4	4	4	Y480	1	2	1	2	Y534	-	3	3	3
Y429	-	-	-	-	Y481	-	1	1	1	Y535	-	3	3	3
Y430	1	3	2	3	Y482	-	6	6	6	Y536	-	-	-	-
Y431	1	49	48	49	Y483	1	32	31	32	Y537	-	-	-	-
Y432	-	3	3	3	Y484	5	35	30	35	Y538	1	1	-	1
Y433	7	1391	1384	1391	Y485	1	2	1	2	Y539	-	-	-	-
Y434	5	633	628	633	Y490	-	-	-	-	Y540	1	1	-	1
Y435	-	-	-	-	Y491	-	-	-	-	Y541	-	-	-	-

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-10 CATEGORY: UNITED STATES, 1999

ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 CODE	RECORD COUNT BY CODE FIELD				ICD-10 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
Y542	-	-	-	-	Y590	-	1	1	1	Y641	-	-	-	-
Y543	-	2	2	2	Y591	-	-	-	-	Y648	-	1	1	1
Y544	-	1	1	1	Y592	-	-	-	-	Y649	-	17	17	17
Y545	2	16	14	16	Y593	-	7	7	7	Y650	-	3	3	3
Y546	1	3	2	3	Y598	-	-	-	-	Y651	-	-	-	-
Y547	-	1	1	1	Y599	2	3	1	3	Y652	-	-	-	-
Y548	1	4	3	4	Y600	41	187	146	187	Y653	-	1	1	1
Y549	-	2	2	2	Y601	1	2	1	2	Y654	1	2	1	2
Y550	-	-	-	-	Y602	4	17	13	17	Y655	-	-	-	-
Y551	-	-	-	-	Y603	2	2	-	2	Y658	30	100	70	100
Y552	-	1	1	1	Y604	12	31	19	31	Y66	-	-	-	-
Y553	-	1	1	1	Y605	6	32	26	32	Y69	6	14	8	14
Y554	-	-	-	-	Y606	17	61	44	61	Y700	-	1	1	1
Y555	-	-	-	-	Y607	1	6	5	6	Y701	-	-	-	-
Y556	1	6	5	6	Y608	29	121	93	121	Y702	-	-	-	-
Y557	-	1	1	1	Y609	10	24	14	24	Y703	-	-	-	-
Y560	-	65	65	65	Y610	2	5	3	5	Y708	-	-	-	-
Y561	-	-	-	-	Y611	2	3	1	3	Y710	-	-	-	-
Y562	-	-	-	-	Y612	-	1	1	1	Y711	-	-	-	-
Y563	-	1	1	1	Y613	-	-	-	-	Y712	-	-	-	-
Y564	1	3	2	3	Y614	-	-	-	-	Y713	-	-	-	-
Y565	-	-	-	-	Y615	-	1	1	1	Y718	-	-	-	-
Y566	-	-	-	-	Y616	1	1	-	1	Y720	-	-	-	-
Y567	-	-	-	-	Y617	-	-	-	-	Y721	-	-	-	-
Y568	1	1	-	1	Y618	2	3	1	3	Y722	-	-	-	-
Y569	1	-	-	-	Y619	1	3	2	3	Y723	-	-	-	-
Y570	-	3	3	3	Y620	-	2	2	2	Y728	1	1	-	1
Y571	-	-	-	-	Y621	-	1	1	1	Y730	-	-	-	-
Y572	-	-	-	-	Y622	-	-	-	-	Y731	1	1	-	1
Y573	-	-	-	-	Y623	1	1	-	1	Y732	-	-	-	-
Y574	-	-	-	-	Y624	-	-	-	-	Y733	-	1	1	1
Y575	9	51	42	51	Y625	-	-	-	-	Y738	-	-	-	-
Y576	-	10	10	10	Y626	-	-	-	-	Y740	-	-	-	-
Y577	-	1	1	1	Y628	1	2	1	2	Y741	-	-	-	-
Y578	4	28	24	28	Y629	-	-	-	-	Y742	-	1	1	1
Y579	79	412	333	412	Y630	-	-	-	-	Y743	-	1	1	1
Y580	-	-	-	-	Y631	-	-	-	-	Y748	-	-	-	-
Y581	-	-	-	-	Y632	1	9	8	9	Y750	-	-	-	-
Y582	-	-	-	-	Y633	-	2	2	2	Y751	-	2	2	2
Y583	-	-	-	-	Y634	-	-	-	-	Y752	-	-	-	-
Y584	-	-	-	-	Y635	-	-	-	-	Y753	-	-	-	-
Y585	-	-	-	-	Y636	-	-	-	-	Y758	-	-	-	-
Y586	-	-	-	-	Y638	-	1	1	1	Y760	-	-	-	-
Y588	-	-	-	-	Y639	1	1	-	1	Y761	-	-	-	-
Y589	-	-	-	-	Y640	1	48	47	48	Y762	-	-	-	-



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, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS)

CAUSE OF DEATH	AGE													NOT STAT.
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER		
A01-A02.....	67	5	-	-	2	3	4	3	6	11	22	11	-	
A03,A06.....	16	-	1	1	-	1	1	-	1	3	2	6	-	
A04,A07-A09.....	2,162	14	11	3	11	29	55	64	102	355	768	750	-	
A16-A19.....	1,858	2	3	3	14	41	130	204	251	372	498	339	1	
A16.....	1,592	1	2	2	11	29	106	159	223	318	438	302	1	
A17-A19.....	278	1	1	1	3	13	28	47	28	55	63	38	-	
A37.....	14	13	-	-	-	-	-	-	-	1	-	-	-	
A38,A46.....	10	-	-	-	-	1	-	1	-	3	1	4	-	
A39.....	246	33	31	27	39	26	33	19	5	10	14	9	-	
A40-A41.....	139,311	791	355	382	765	1,830	5,323	9,632	14,702	28,020	42,387	35,119	5	
A50-A53.....	155	3	1	2	-	4	13	15	12	36	44	25	-	
A80.....	2	-	-	-	-	-	-	-	-	-	-	2	-	
A83-A84,A85.2.....	3	-	-	-	-	-	-	-	-	2	-	1	-	
B05.....	4	1	-	-	-	-	1	1	1	-	-	-	-	
B15-B19.....	9,612	5	6	6	40	237	1,815	3,190	1,488	1,456	1,059	310	-	
B20-B24.....	16,078	15	27	69	209	2,831	6,662	4,364	1,336	460	85	19	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, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE													NOT STAT.
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER		
B50-B54.....	9	1	-	-	-	2	1	-	1	3	-	1	-	
A00---B99.....	18,396	388	153	179	283	964	2,047	2,347	2,255	3,263	3,914	2,601	2	
C00-C97.....	612,459	85	446	1,083	1,819	4,433	17,903	48,926	94,100	165,552	185,289	92,813	10	
C00-C14.....	9,377	-	4	7	32	51	324	1,222	1,974	2,399	2,289	1,075	-	
C15.....	13,109	-	-	-	-	38	307	1,328	2,684	4,079	3,389	1,283	1	
C16.....	14,095	-	-	1	13	140	524	1,155	1,984	3,470	4,363	2,445	-	
C18-C21.....	68,153	1	-	1	48	302	1,417	4,273	8,588	16,271	22,103	15,149	-	
C22.....	13,815	9	30	13	45	87	488	1,676	2,318	3,902	3,810	1,437	-	
C25.....	30,558	1	-	-	3	56	616	2,443	4,881	8,664	9,485	4,408	1	
C32.....	5,279	-	-	-	-	7	97	472	1,136	1,757	1,345	465	-	
C33-C34.....	162,399	1	-	8	24	188	2,810	11,822	30,698	55,330	48,038	13,478	2	
C43.....	8,001	1	1	1	39	204	638	1,172	1,337	1,826	1,889	893	-	
C50.....	51,206	-	1	2	13	451	2,842	6,504	8,094	10,826	12,967	9,506	-	
C53.....	4,793	-	-	-	13	225	736	975	861	815	717	450	1	
C54-C55.....	7,760	-	-	-	2	23	159	526	1,126	2,065	2,457	1,402	-	
C56.....	14,771	-	1	2	28	84	531	1,629	2,586	3,896	4,257	1,757	-	

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, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE													NOT STAT.
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER		
C61.....	45,456	1	-	-	1	3	33	416	2,391	9,624	19,374	13,611	2	
C64-C65.....	13,081	2	19	35	18	61	360	1,223	2,298	3,582	3,767	1,716	-	
C67.....	15,920	-	-	1	2	16	107	520	1,453	3,669	6,024	4,127	1	
C70-C72.....	13,439	14	115	317	230	464	1,109	1,962	2,563	3,302	2,648	715	-	
C81-C96.....	67,597	36	152	402	793	1,244	2,529	4,606	8,544	16,663	21,961	10,667	-	
C81.....	1,945	-	1	11	100	190	249	261	273	378	346	136	-	
C82-C85.....	27,791	2	18	45	172	477	1,257	2,136	3,655	6,866	9,110	4,053	-	
C91-C95.....	25,618	34	134	352	532	563	883	1,528	2,886	5,959	8,136	4,611	-	
C88,C90.....	13,124	-	-	-	2	24	173	745	1,896	3,690	4,644	1,950	-	
C96.....	125	1	1	-	1	6	7	14	14	32	32	17	-	
C17--C97.....	126,296	21	146	340	589	1,150	4,378	11,138	20,657	34,541	36,299	17,033	4	
D00-D48.....	22,676	97	74	123	127	238	526	1,027	1,847	4,600	7,943	6,074	-	
D50-D64.....	44,910	55	68	125	269	493	1,110	1,831	2,870	6,713	13,612	17,764	-	
E10-E14.....	209,881	4	8	42	249	1,067	4,093	12,169	26,251	52,647	71,217	42,127	7	
E40-E64.....	27,935	31	12	24	49	153	488	1,011	1,790	4,024	9,000	11,353	-	
E40-E46.....	25,362	26	10	20	44	146	459	946	1,636	3,673	8,203	10,199	-	

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, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE													NOT STAT.
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER		
E50-E64.....	2,639	6	3	4	5	7	31	67	155	359	818	1,184	-	
G00,G03.....	2,122	202	73	44	68	113	233	285	289	361	318	136	-	
G20-G21.....	31,200	1	-	-	2	4	14	88	498	4,122	14,996	11,475	-	
G30.....	78,695	-	-	-	1	1	10	97	693	5,557	28,339	43,997	-	
I00-I78.....	1,404,765	2,355	916	1,333	3,220	7,943	29,011	67,051	122,493	258,577	450,729	461,066	71	
I00-I09,I11,I13, I20-I51.....	1,211,124	2,040	770	1,121	2,821	7,015	25,470	59,740	109,582	226,848	384,911	390,740	66	
I00-I09.....	7,403	13	4	10	17	67	206	461	815	1,747	2,506	1,557	-	
I11.....	25,326	1	1	-	46	264	1,241	2,351	2,965	4,210	6,587	7,658	2	
I13.....	4,467	-	1	2	11	36	153	231	389	735	1,425	1,484	-	
I20-I25.....	680,246	77	12	47	216	1,455	9,729	30,613	62,093	132,345	223,170	220,445	44	
I21-I22.....	238,677	44	4	24	103	614	4,033	13,205	26,331	51,069	77,595	65,648	7	
I24.....	7,837	13	3	6	13	53	267	664	1,052	1,601	2,112	2,053	-	
I20,I25.....	543,423	27	6	20	119	1,013	7,253	22,697	46,530	102,945	179,310	183,466	37	
I25.0.....	100,989	-	1	2	17	269	2,159	6,509	11,214	18,920	29,467	32,405	26	
I20, I25.1-I25.9	447,911	27	5	18	103	758	5,213	16,484	35,792	85,073	151,608	152,819	11	

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, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE												
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER	NOT STAT.
I26-I51 .....	798,514	1,967	762	1,091	2,629	5,682	17,158	35,916	66,086	142,429	253,862	270,905	27
I33.....	2,402	12	4	2	16	80	260	340	352	513	566	257	-
I30-I31,I40.....	4,827	67	36	35	114	190	441	659	898	1,028	995	363	1
I50.....	286,523	279	101	130	286	562	1,900	5,324	14,048	41,144	95,029	127,716	4
I26-I28,I34-I38, I42-I49,I51...	608,180	1,725	672	993	2,382	5,229	15,687	32,113	56,463	115,162	191,365	186,366	23
I10,I12.....	87,901	14	3	5	51	262	1,312	3,756	7,621	17,072	29,157	28,646	2
I60-I69.....	282,491	337	170	239	411	1,029	3,998	8,878	17,015	44,231	98,891	107,285	7
I70.....	46,604	5	3	3	10	32	207	857	2,259	6,519	15,326	21,383	-
I71-I78 .....	58,017	36	10	22	95	234	811	1,895	4,699	12,634	21,013	16,567	1
I71.....	22,028	2	1	3	51	114	380	757	1,818	5,395	8,564	4,943	-
I72-I78.....	36,899	34	9	19	46	122	438	1,153	2,961	7,498	12,818	11,800	1
I80-I99.....	29,533	479	44	42	119	384	1,420	2,692	3,552	5,808	8,261	6,729	3
J10-J18 .....	230,684	637	360	364	727	1,631	4,552	7,776	13,585	34,081	75,417	91,546	8
J10-J11.....	2,177	19	14	15	15	15	28	49	122	237	622	1,041	-
J12-J18.....	228,983	618	349	353	712	1,619	4,526	7,732	13,484	33,871	74,937	90,774	8
J20-J22 .....	1,819	121	55	10	11	12	29	55	118	262	487	659	-

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, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE													NOT STAT.
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER		
J20-J21.....	1,506	118	53	9	11	11	27	46	104	244	400	483	-	
J22.....	313	3	2	1	-	1	2	9	14	18	87	176	-	
J40-J47.....	254,482	62	82	197	313	556	1,893	6,916	23,990	66,998	98,200	55,268	7	
J40-J42.....	3,445	38	26	9	21	38	82	146	293	522	998	1,272	-	
J43.....	32,741	4	2	1	5	30	246	1,048	3,795	10,115	12,379	5,116	-	
J45-J46.....	9,918	9	43	160	237	382	771	1,140	1,250	1,772	2,286	1,868	-	
J44, J47.....	211,872	13	14	27	55	117	840	4,697	19,090	55,627	83,790	47,595	7	
J60-J66, J68.....	2,789	-	3	-	2	2	11	39	180	694	1,219	639	-	
J69.....	56,552	50	58	81	122	269	627	1,301	2,492	7,485	20,047	24,020	-	
J00-J06, J30-J39, J67, J70-J98.....	225,616	1,296	538	713	1,279	2,262	6,060	12,133	22,640	49,766	74,858	54,064	7	
K25-K28.....	11,625	3	2	8	12	51	231	582	1,028	2,155	3,853	3,697	3	
K35-K38.....	714	5	2	28	6	12	33	76	85	142	194	131	-	
K40-K46.....	3,479	82	6	3	8	23	70	117	234	507	1,048	1,381	-	
K70, K73-K74.....	40,627	16	9	9	48	548	4,708	9,377	8,383	9,198	6,611	1,717	3	
K70.....	11,044	-	-	-	6	247	1,967	3,453	2,653	1,828	768	122	-	
K73-K74.....	30,167	16	9	9	43	317	2,855	6,098	5,863	7,476	5,878	1,600	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, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE													NOT STAT.
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER		
K80-K82.....	5,933	3	-	1	17	42	127	261	469	1,066	1,996	1,951	-	
N00-N07,N17-N19, N25-N27.....	185,714	772	97	157	424	1,490	4,744	10,141	18,428	39,306	61,269	48,881	5	
N00-N01,N04.....	595	6	5	7	3	15	27	43	68	134	193	94	-	
N02-N03 N05-N07,N26.....	1,459	-	2	2	22	33	68	109	152	311	454	306	-	
N17-N19.....	184,378	766	89	149	402	1,455	4,687	10,053	18,291	39,011	60,870	48,600	5	
N25,N27.....	153	-	4	-	3	4	8	15	14	34	43	28	-	
N10-N12,N13.6,N15.1	1,868	7	3	8	10	26	71	119	147	308	528	641	-	
N40.....	2,672	-	-	-	-	-	2	14	79	425	1,079	1,073	-	
N70-N76.....	296	2	2	1	4	9	28	24	33	55	86	52	-	
000-099.....	444	...	...	-	107	199	129	9	...	...	...	...	-	
000-007.....	38	...	...	-	11	17	10	-	...	...	...	...	-	
010-099.....	415	...	...	-	97	186	123	9	...	...	...	...	-	
P00-P96.....	18,203	17,861	174	77	31	15	12	6	8	8	5	1	5	
Q00-Q99.....	14,979	6,609	714	592	613	711	931	1,176	1,037	938	990	666	2	
R00-R99.....	283,204	5,079	979	1,070	2,272	4,027	9,538	15,219	23,467	46,745	81,108	93,613	87	

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, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE												
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER	NOT STAT.
RESIDUAL . . . . .	531,119	2,516	1,301	1,773	4,181	8,407	23,648	39,680	51,115	90,119	147,439	160,905	35
V01-X59,Y85-Y86 . . . . .	135,992	957	1,968	3,209	14,065	12,552	16,635	13,505	9,348	12,906	23,904	26,828	115
V01-V99,Y85 . . . . .	47,824	207	716	1,985	10,829	7,556	7,706	5,829	4,007	3,801	3,709	1,441	38
V02---V89.2 . . . . .	43,505	200	654	1,776	10,245	6,877	6,848	5,105	3,525	3,454	3,438	1,352	31
V01---V89.9 . . . . .	2,262	6	48	132	376	327	424	321	196	171	188	66	7
V90-V99,Y85 . . . . .	2,059	1	14	77	208	352	435	403	286	176	84	23	-
W00-X59,Y86 . . . . .	88,475	750	1,254	1,235	3,307	5,039	8,991	7,728	5,358	9,124	20,219	25,393	77
W00-W19 . . . . .	17,264	14	56	53	253	359	693	923	1,026	2,099	5,203	6,580	5
W32-W34 . . . . .	863	-	12	76	252	146	139	96	54	40	37	11	-
W65-W74 . . . . .	3,694	68	496	378	682	468	498	388	226	197	179	79	35
X00-X09 . . . . .	3,530	41	305	263	207	284	441	384	341	450	533	277	4
X40-X49 . . . . .	14,596	15	36	48	1,062	2,627	5,214	3,429	869	448	502	331	15
W20-W31,W35-W64, W75-W99, X10-X39, X50-X59,Y86 . . . . .	49,077	615	352	424	894	1,220	2,128	2,594	2,873	5,925	13,839	18,195	18
X60-X84,Y87.0 . . . . .	29,490	...	...	247	3,929	5,149	6,517	5,124	2,926	2,509	2,255	818	16
X72-X74 . . . . .	16,712	...	...	104	2,327	2,631	3,116	2,693	1,873	1,809	1,625	529	5

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, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE												
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER	NOT STAT.
X60-X71, X75-X84, Y87.0.....	12,823	...	...	143	1,606	2,524	3,411	2,444	1,058	703	633	290	11
X85-Y09, Y87.1.....	17,119	343	382	439	5,031	4,267	3,238	1,696	740	488	329	115	51
X93-X95.....	10,900	9	50	224	4,062	3,064	1,882	902	378	195	95	24	15
X85-X92, X96-Y09, Y87.1.....	6,314	334	332	216	991	1,231	1,375	806	368	299	235	91	36
Y35, Y89.0.....	412	-	-	1	67	140	126	55	20	2	1	-	-
Y10-Y34, Y87.2, Y89.9	4,191	65	45	50	445	772	1,379	846	241	133	117	77	21
Y22-Y24.....	330	-	3	12	128	52	58	29	14	16	14	4	-
Y10-Y21, Y25-Y34, Y87.2, Y89.9.....	3,863	65	42	38	318	721	1,321	817	227	117	103	73	21
Y36, Y89.1.....	53	-	-	-	-	-	1	5	4	15	22	6	-
Y40-Y84, Y88.....	34,002	278	216	303	441	674	1,565	2,871	4,631	8,269	9,922	4,831	1
S00-T98.....	199,076	1,528	2,505	4,120	23,557	23,001	28,524	22,751	15,708	20,225	29,914	27,047	196
S02.....	3,927	50	99	201	920	570	629	421	308	264	274	186	5
S12, S22, S32, T08.....	7,040	14	44	104	701	501	592	542	457	775	1,516	1,791	3
S72.....	15,838	5	4	17	79	50	54	126	269	1,239	4,887	9,107	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, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE												
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER	NOT STAT.
S42, S52, S62, S82, S92, T10, T12.....	2,598	7	4	18	125	85	113	146	158	275	647	1,019	1
T02.....	725	-	2	7	108	87	103	85	68	66	119	80	-
S03, S13, S23, S33, S43, S53, S63, S73, S83, S93, T03.....	541	2	14	22	83	64	61	55	32	50	76	82	-
S05.....	87	6	1	3	5	6	7	2	2	11	13	31	-
S06.....	16,396	142	229	437	2,145	1,523	1,726	1,563	1,202	1,810	2,998	2,613	8
S26-S27, S36-S37.....	6,881	23	85	148	1,262	1,031	974	777	522	591	851	609	8
S07---T05.....	1,246	8	40	35	191	188	236	202	120	110	81	33	2
S00---T14.....	88,335	420	1,011	2,403	17,882	14,497	14,516	10,893	7,235	7,158	7,849	4,384	87
T15-T19.....	15,582	123	139	129	193	272	551	826	1,061	2,277	4,809	5,202	-
T20-T32.....	3,089	26	155	118	296	340	457	390	316	345	393	248	5
T36-T50.....	19,591	24	27	38	1,358	3,596	7,088	4,732	1,204	582	565	358	19
T51-T65.....	7,893	56	322	318	629	1,135	1,933	1,445	706	531	576	231	11
T74.....	197	99	54	11	5	2	1	1	4	5	8	6	1
T33-T35, T66-T73, T75-T78.....	18,082	623	727	812	2,600	2,897	3,273	2,281	1,316	1,262	1,342	874	75

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, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE													NOT STAT.
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER		
T79-T88.....	23,248	210	154	224	443	577	1,201	2,122	2,981	5,336	6,539	3,459	2	
T90-T98.....	4,105	4	19	67	130	280	440	432	445	562	884	842	-	

- QUANTITY = 0



MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS)

CAUSE OF DEATH	AGE													NOT STAT.
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER		
A01-A02.....	67	5	-	-	2	3	4	3	6	11	22	11	-	
A03,A06.....	16	-	1	1	-	1	1	-	1	3	2	6	-	
A04,A07-A09.....	2,163	14	11	3	11	29	55	64	102	355	769	750	-	
A16-A19.....	1,987	2	3	3	16	58	182	232	273	374	503	340	1	
A16.....	1,704	1	2	2	12	43	149	182	241	322	445	304	1	
A17-A19.....	305	1	1	1	4	17	38	54	32	56	63	38	-	
A37.....	14	13	-	-	-	-	-	-	-	1	-	-	-	
A38,A46.....	10	-	-	-	-	1	-	1	-	3	1	4	-	
A39.....	247	33	31	27	39	26	33	19	6	10	14	9	-	
A40-A41.....	139,550	806	361	386	773	1,838	5,332	9,645	14,729	28,065	42,437	35,173	5	
A50-A53.....	155	3	1	2	-	4	13	15	12	36	44	25	-	
A80.....	2	-	-	-	-	-	-	-	-	-	-	2	-	
A83-A84,A85.2.....	3	-	-	-	-	-	-	-	-	2	-	1	-	
B05.....	4	1	-	-	-	-	1	1	1	-	-	-	-	
B15-B19.....	9,614	5	6	6	40	237	1,815	3,190	1,488	1,457	1,059	311	-	
B20-B24.....	16,080	15	27	69	209	2,831	6,663	4,365	1,336	460	85	19	1	

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE													NOT STAT.
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER		
B50-B54.....	9	1	-	-	-	2	1	-	1	3	-	1	-	
A00---B99.....	20,359	411	157	194	306	1,181	2,422	2,636	2,436	3,538	4,242	2,834	2	
C00-C97 .....	613,284	85	450	1,083	1,823	4,493	17,990	49,006	94,191	165,721	185,500	92,932	10	
C00-C14.....	9,387	-	4	7	32	51	324	1,223	1,974	2,401	2,295	1,076	-	
C15.....	13,269	-	-	-	-	40	308	1,342	2,711	4,125	3,440	1,302	1	
C16.....	14,124	-	-	1	13	140	525	1,156	1,989	3,477	4,372	2,451	-	
C18-C21.....	68,259	1	-	1	49	302	1,419	4,275	8,604	16,297	22,142	15,169	-	
C22.....	13,828	9	31	13	45	87	488	1,679	2,319	3,907	3,812	1,438	-	
C25.....	30,629	1	-	-	3	56	616	2,450	4,890	8,691	9,505	4,416	1	
C32.....	5,288	-	-	-	-	7	97	472	1,139	1,760	1,346	467	-	
C33-C34.....	162,644	1	-	8	24	188	2,814	11,846	30,732	55,408	48,114	13,507	2	
C43.....	8,058	1	1	1	39	204	641	1,179	1,342	1,842	1,909	899	-	
C50.....	51,274	-	1	2	13	451	2,845	6,510	8,101	10,847	12,981	9,523	-	
C53.....	4,802	-	-	-	13	226	737	975	863	816	720	451	1	
C54-C55.....	7,814	-	-	-	3	23	160	530	1,138	2,072	2,480	1,408	-	
C56.....	14,803	-	1	2	28	84	531	1,634	2,593	3,904	4,263	1,763	-	

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE													NOT STAT.
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER		
C61.....	45,508	1	-	-	1	3	33	418	2,393	9,632	19,397	13,628	2	
C64-C65.....	13,092	2	19	35	18	61	360	1,223	2,300	3,584	3,771	1,719	-	
C67.....	15,942	-	-	1	2	16	107	521	1,454	3,673	6,035	4,132	1	
C70-C72.....	13,455	14	116	317	230	464	1,110	1,967	2,566	3,306	2,650	715	-	
C81-C96.....	67,700	36	153	402	794	1,251	2,538	4,607	8,557	16,680	21,998	10,684	-	
C81.....	1,948	-	1	11	100	191	249	261	274	378	347	136	-	
C82-C85.....	27,838	2	18	45	173	482	1,265	2,137	3,662	6,871	9,123	4,060	-	
C91-C95.....	25,656	34	135	352	532	564	883	1,528	2,891	5,967	8,149	4,621	-	
C88,C90.....	13,142	-	-	-	2	24	174	745	1,897	3,696	4,654	1,950	-	
C96.....	156	1	1	-	4	6	7	18	16	39	44	20	-	
C17--C97.....	156,882	22	156	355	627	1,333	5,235	13,547	25,259	42,980	45,862	21,501	5	
D00-D48.....	23,946	97	82	150	147	271	609	1,182	2,083	4,907	8,224	6,194	-	
D50-D64.....	45,362	56	68	125	269	493	1,115	1,834	2,876	6,776	13,789	17,961	-	
E10-E14.....	209,986	4	8	42	249	1,068	4,093	12,171	26,266	52,677	71,246	42,155	7	
E40-E64.....	28,472	31	13	25	51	158	497	1,027	1,850	4,111	9,162	11,547	-	
E40-E46.....	25,891	26	11	21	46	151	468	962	1,696	3,759	8,362	10,389	-	

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE													NOT STAT.
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER		
E50-E64.....	2,654	6	3	4	5	7	31	67	156	360	824	1,191	-	
G00,G03.....	2,135	203	74	45	69	114	237	285	289	363	320	136	-	
G20-G21.....	31,234	1	-	-	2	4	14	88	499	4,127	15,013	11,486	-	
G30.....	78,781	-	-	-	1	1	10	98	693	5,564	28,366	44,048	-	
I00-I78.....	1,406,982	2,362	917	1,335	3,235	7,978	29,106	67,206	122,763	259,053	451,417	461,539	71	
I00-I09,I11,I13, I20-I51.....	1,246,608	2,047	773	1,126	2,855	7,163	26,277	61,627	112,691	233,304	397,086	401,592	67	
I00-I09.....	7,313	13	4	10	17	67	201	459	808	1,739	2,484	1,511	-	
I11.....	37,821	1	1	3	56	365	1,924	3,971	5,142	6,969	9,880	9,503	6	
I13.....	175	-	-	-	-	1	3	8	13	27	61	62	-	
I20-I25.....	681,452	77	12	47	217	1,456	9,739	30,643	62,171	132,506	223,572	220,967	45	
I21-I22.....	239,196	44	4	24	103	616	4,037	13,231	26,376	51,159	77,784	65,811	7	
I24.....	7,849	13	3	6	13	53	269	664	1,055	1,602	2,114	2,057	-	
I20,I25.....	544,629	27	6	20	121	1,014	7,263	22,724	46,606	103,119	179,715	183,976	38	
I25.0.....	101,072	-	1	2	17	270	2,160	6,511	11,224	18,930	29,494	32,436	27	
I20, I25.1-I25.9	449,335	27	5	18	105	762	5,229	16,524	35,883	85,283	152,089	153,399	11	

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE													NOT STAT.
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER		
I26-I51 .....	807,883	1,974	764	1,093	2,645	5,743	17,314	36,316	66,758	143,816	256,654	274,778	28	
I33.....	2,412	12	4	2	16	80	263	343	353	514	567	258	-	
I30-I31,I40.....	4,838	67	36	36	115	192	443	660	898	1,029	997	364	1	
I50.....	297,641	281	101	132	292	594	2,035	5,659	14,704	42,577	98,434	132,827	5	
I26-I28,I34-I38, I42-I49,I51.....	611,634	1,736	678	995	2,399	5,279	15,798	32,353	56,837	115,848	192,320	187,368	23	
I10,I12.....	205,602	16	5	11	76	464	2,765	8,773	18,222	39,468	69,323	66,475	4	
I60-I69.....	282,794	337	170	239	414	1,033	4,004	8,888	17,032	44,271	98,992	107,407	7	
I70.....	76,002	9	3	3	11	47	364	1,482	4,027	11,406	25,520	33,130	-	
I71-I78 .....	65,712	38	10	22	98	257	936	2,315	5,684	14,764	23,704	17,882	2	
I71.....	22,063	2	1	3	51	114	381	760	1,820	5,404	8,581	4,946	-	
I72-I78.....	44,693	36	9	19	49	145	562	1,575	3,953	9,666	15,546	13,131	2	
I80-I99.....	32,989	484	45	46	124	399	1,483	2,865	3,865	6,528	9,420	7,727	3	
J10-J18 .....	232,124	641	366	371	749	1,666	4,631	7,868	13,712	34,351	75,813	91,948	8	
J10-J11.....	2,180	19	14	15	15	15	28	49	122	237	624	1,042	-	
J12-J18.....	230,657	622	356	361	735	1,656	4,608	7,830	13,623	34,164	75,404	91,290	8	
J20-J22 .....	2,103	124	56	11	12	12	32	61	142	315	603	735	-	

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE													NOT STAT.
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER		
J20-J21.....	1,705	121	53	9	12	11	30	51	121	283	477	537	-	
J22.....	399	3	3	2	-	1	2	10	21	33	126	198	-	
J40-J47.....	254,878	62	83	198	315	562	1,896	6,929	24,032	67,071	98,370	55,353	7	
J40-J42.....	5,681	41	28	11	23	40	96	209	531	1,130	1,834	1,738	-	
J43.....	35,099	4	2	1	5	30	262	1,121	4,098	10,849	13,265	5,462	-	
J45-J46.....	12,375	9	44	160	238	391	812	1,275	1,556	2,372	3,064	2,454	-	
J44, J47.....	211,511	12	14	27	57	122	832	4,678	19,032	55,481	83,687	47,562	7	
J60-J66, J68.....	2,796	-	3	-	2	2	11	39	181	697	1,221	640	-	
J69.....	56,643	51	58	81	122	272	631	1,306	2,499	7,502	20,075	24,046	-	
J00-J06, J30-J39, J67, J70-J98.....	227,265	1,356	550	725	1,299	2,304	6,113	12,224	22,794	50,119	75,335	54,439	7	
K25-K28.....	11,634	3	2	8	12	51	232	583	1,028	2,156	3,857	3,699	3	
K35-K38.....	714	5	2	28	6	12	33	76	85	142	194	131	-	
K40-K46.....	3,482	82	6	3	8	23	70	117	234	508	1,049	1,382	-	
K70, K73-K74.....	39,302	16	9	9	45	493	4,409	8,909	8,098	9,041	6,560	1,710	3	
K70.....	6,807	-	-	-	2	138	1,183	2,045	1,702	1,168	489	80	-	
K73-K74.....	33,207	16	9	9	44	371	3,356	7,084	6,565	8,001	6,110	1,639	3	

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE													NOT STAT.
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER		
K80-K82.....	5,943	3	-	1	17	42	127	262	469	1,068	1,997	1,957	-	
N00-N07,N17-N19, N25-N27.....	200,825	772	98	159	451	1,611	5,197	11,031	19,968	42,461	66,215	52,857	5	
N00-N01,N04.....	760	6	5	7	3	16	34	68	103	184	235	99	-	
N02-N03 N05-N07,N26.....	1,647	-	3	2	22	37	71	120	178	354	516	344	-	
N17-N19.....	199,377	766	91	151	430	1,577	5,144	10,919	19,800	42,126	65,784	52,584	5	
N25,N27.....	153	-	4	-	3	4	8	15	14	34	43	28	-	
N10-N12,N13.6,N15.1	1,871	7	3	8	10	26	71	121	147	308	529	641	-	
N40.....	2,672	-	-	-	-	-	2	14	79	425	1,079	1,073	-	
N70-N76.....	296	2	2	1	4	9	28	24	33	55	86	52	-	
000-099.....	444	...	...	-	107	199	129	9	...	...	...	...	-	
000-007.....	38	...	...	-	11	17	10	-	...	...	...	...	-	
010-099.....	418	...	...	-	98	187	124	9	...	...	...	...	-	
P00-P96.....	18,204	17,861	174	78	31	15	12	6	8	8	5	1	5	
Q00-Q99.....	15,006	6,609	715	592	613	714	933	1,183	1,043	942	993	667	2	
R00-R99.....	286,346	5,081	980	1,070	2,285	4,120	9,766	15,432	23,791	47,297	82,046	94,391	87	

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE												
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER	NOT STAT.
RESIDUAL . . . . .	580,679	2,522	1,308	1,796	4,301	8,877	25,265	42,200	54,247	96,701	162,416	181,008	38
V01-X59,Y85-Y86 . . . . .	135,998	957	1,968	3,209	14,065	12,552	16,635	13,505	9,348	12,906	23,907	26,831	115
V01-V99,Y85 . . . . .	47,825	207	716	1,985	10,829	7,556	7,706	5,829	4,007	3,801	3,710	1,441	38
V02---V89.2 . . . . .	43,506	200	654	1,776	10,245	6,877	6,848	5,105	3,525	3,454	3,439	1,352	31
V01---V89.9 . . . . .	2,262	6	48	132	376	327	424	321	196	171	188	66	7
V90-V99,Y85 . . . . .	2,059	1	14	77	208	352	435	403	286	176	84	23	-
W00-X59,Y86 . . . . .	88,480	750	1,254	1,235	3,307	5,039	8,991	7,728	5,358	9,124	20,221	25,396	77
W00-W19 . . . . .	17,270	14	56	53	253	359	693	923	1,026	2,099	5,205	6,584	5
W32-W34 . . . . .	865	-	12	76	253	146	140	96	54	40	37	11	-
W65-W74 . . . . .	3,694	68	496	378	682	468	498	388	226	197	179	79	35
X00-X09 . . . . .	3,530	41	305	263	207	284	441	384	341	450	533	277	4
X40-X49 . . . . .	14,596	15	36	48	1,062	2,627	5,214	3,429	869	448	502	331	15
W20-W31,W35-W64, W75-W99, X10-X39, X50-X59,Y86 . . . . .	49,077	615	352	424	894	1,220	2,128	2,594	2,873	5,925	13,839	18,195	18
X60-X84,Y87.0 . . . . .	29,491	...	...	247	3,929	5,150	6,517	5,124	2,926	2,509	2,255	818	16
X72-X74 . . . . .	16,713	...	...	104	2,327	2,632	3,116	2,693	1,873	1,809	1,625	529	5

SEE FOOTNOTES AT END OF TABLE.



MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE												
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER	NOT STAT.
X60-X71, X75-X84, Y87.0.....	12,823	...	...	143	1,606	2,524	3,411	2,444	1,058	703	633	290	11
X85-Y09, Y87.1.....	17,119	343	382	439	5,031	4,267	3,238	1,696	740	488	329	115	51
X93-X95.....	10,900	9	50	224	4,062	3,064	1,882	902	378	195	95	24	15
X85-X92, X96-Y09, Y87.1.....	6,314	334	332	216	991	1,231	1,375	806	368	299	235	91	36
Y35, Y89.0.....	412	-	-	1	67	140	126	55	20	2	1	-	-
Y10-Y34, Y87.2, Y89.9	4,191	65	45	50	445	772	1,379	846	241	133	117	77	21
Y22-Y24.....	330	-	3	12	128	52	58	29	14	16	14	4	-
Y10-Y21, Y25-Y34, Y87.2, Y89.9.....	3,863	65	42	38	318	721	1,321	817	227	117	103	73	21
Y36, Y89.1.....	53	-	-	-	-	-	1	5	4	15	22	6	-
Y40-Y84, Y88.....	34,002	278	216	303	441	674	1,565	2,871	4,631	8,269	9,922	4,831	1
S00-T98.....	199,093	1,528	2,505	4,120	23,558	23,004	28,527	22,755	15,709	20,226	29,915	27,050	196
S02.....	3,927	50	99	201	920	570	629	421	308	264	274	186	5
S12, S22, S32, T08.....	7,040	14	44	104	701	501	592	542	457	775	1,516	1,791	3
S72.....	15,838	5	4	17	79	50	54	126	269	1,239	4,887	9,107	1

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE												
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER	NOT STAT.
S42, S52, S62, S82, S92, T10, T12.....	2,598	7	4	18	125	85	113	146	158	275	647	1,019	1
T02.....	725	-	2	7	108	87	103	85	68	66	119	80	-
S03, S13, S23, S33, S43, S53, S63, S73, S83, S93, T03.....	541	2	14	22	83	64	61	55	32	50	76	82	-
S05.....	87	6	1	3	5	6	7	2	2	11	13	31	-
S06.....	16,397	142	229	437	2,145	1,523	1,726	1,564	1,202	1,810	2,998	2,613	8
S26-S27, S36-S37.....	6,881	23	85	148	1,262	1,031	974	777	522	591	851	609	8
S07---T05.....	1,246	8	40	35	191	188	236	202	120	110	81	33	2
S00---T14.....	88,340	420	1,011	2,403	17,882	14,499	14,518	10,893	7,236	7,158	7,849	4,384	87
T15-T19.....	15,588	123	139	129	194	272	551	826	1,061	2,278	4,810	5,205	-
T20-T32.....	3,089	26	155	118	296	340	457	390	316	345	393	248	5
T36-T50.....	19,592	24	27	38	1,358	3,596	7,089	4,732	1,204	582	565	358	19
T51-T65.....	7,893	56	322	318	629	1,135	1,933	1,445	706	531	576	231	11
T74.....	197	99	54	11	5	2	1	1	4	5	8	6	1
T33-T35, T66-T73, T75-T78.....	18,087	623	727	812	2,600	2,899	3,273	2,284	1,316	1,262	1,342	874	75

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY  
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	AGE													NOT STAT.
	ALL AGES	UNDER 1 YEAR	01-04 YEARS	05-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 YEARS & OVER		
T79-T88.....	23,248	210	154	224	443	577	1,200	2,122	2,981	5,336	6,540	3,459	2	
T90-T98.....	4,105	4	19	67	130	280	440	432	445	562	884	842	-	

- QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS)

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
A01-A02.....	67	40	27	52	29	23	15	11	4	12	8	4
A03,A06.....	16	11	5	14	10	4	2	1	1	2	1	1
A04,A07-A09.....	2,162	919	1,243	1,965	825	1,140	197	94	103	171	77	94
A16-A19.....	1,858	1,172	686	1,155	713	442	703	459	244	493	329	164
A16.....	1,592	1,022	570	992	625	367	600	397	203	428	286	142
A17-A19.....	278	157	121	167	91	76	111	66	45	71	46	25
A37.....	14	5	9	10	3	7	4	2	2	4	2	2
A38,A46.....	10	2	8	8	1	7	2	1	1	2	1	1
A39.....	246	109	137	197	85	112	49	24	25	44	21	23
A40-A41.....	139,311	64,560	74,751	110,886	51,262	59,624	28,425	13,298	15,127	25,183	11,645	13,538
A50-A53.....	155	80	75	70	32	38	85	48	37	83	48	35
A80.....	2	1	1	2	1	1	-	-	-	-	-	-
A83-A84,A85.2.....	3	3	-	3	3	-	-	-	-	-	-	-
B05.....	4	1	3	3	1	2	1	-	1	1	-	1
B15-B19.....	9,612	6,458	3,154	7,263	4,935	2,328	2,349	1,523	826	1,813	1,201	612

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
B20-B24.....	16,078	12,216	3,862	7,440	6,185	1,255	8,638	6,031	2,607	8,467	5,892	2,575
B50-B54.....	9	5	4	6	4	2	3	1	2	3	1	2
A00---B99.....	18,396	10,162	8,234	14,217	7,768	6,449	4,179	2,394	1,785	3,589	2,049	1,540
C00-C97.....	612,459	321,648	290,811	532,248	278,702	253,546	80,211	42,946	37,265	68,501	36,740	31,761
C00-C14.....	9,377	6,248	3,129	7,733	5,057	2,676	1,644	1,191	453	1,383	1,007	376
C15.....	13,109	9,975	3,134	11,102	8,498	2,604	2,007	1,477	530	1,793	1,308	485
C16.....	14,095	8,301	5,794	10,850	6,433	4,417	3,245	1,868	1,377	2,437	1,403	1,034
C18-C21.....	68,153	33,930	34,223	59,192	29,653	29,539	8,961	4,277	4,684	7,811	3,695	4,116
C22.....	13,815	8,632	5,183	11,151	6,920	4,231	2,664	1,712	952	1,684	1,057	627
C25.....	30,558	14,916	15,642	26,317	12,885	13,432	4,241	2,031	2,210	3,596	1,720	1,876
C32.....	5,279	4,174	1,105	4,370	3,442	928	909	732	177	845	680	165
C33-C34.....	162,399	95,726	66,673	142,910	83,409	59,501	19,489	12,317	7,172	16,881	10,733	6,148
C43.....	8,001	4,996	3,005	7,856	4,920	2,936	145	76	69	110	54	56
C50.....	51,206	486	50,720	44,047	396	43,651	7,159	90	7,069	6,313	83	6,230
C53.....	4,793	...	4,793	3,678	...	3,678	1,115	...	1,115	962	...	962

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
C54-C55.....	7,760	...	7,760	6,510	...	6,510	1,250	...	1,250	1,139	...	1,139
C56.....	14,771	...	14,771	13,326	...	13,326	1,445	...	1,445	1,176	...	1,176
C61.....	45,456	45,456	...	37,775	37,775	...	7,681	7,681	...	7,146	7,146	...
C64-C65.....	13,081	8,097	4,984	11,647	7,225	4,422	1,434	872	562	1,201	723	478
C67.....	15,920	11,124	4,796	14,594	10,374	4,220	1,326	750	576	1,159	632	527
C70-C72.....	13,439	7,339	6,100	12,406	6,788	5,618	1,033	551	482	829	433	396
C81-C96.....	67,597	36,325	31,272	60,077	32,333	27,744	7,520	3,992	3,528	6,293	3,318	2,975
C81.....	1,945	1,105	840	1,735	987	748	210	118	92	189	115	74
C82-C85.....	27,791	14,833	12,958	25,294	13,386	11,908	2,497	1,447	1,050	1,995	1,153	842
C91-C95.....	25,618	14,161	11,457	23,117	12,830	10,287	2,501	1,331	1,170	2,021	1,063	958
C88,C90.....	13,124	6,760	6,364	10,727	5,625	5,102	2,397	1,135	1,262	2,163	1,021	1,142
C96.....	125	66	59	114	60	54	11	6	5	10	6	4
C17---C97.....	126,296	63,860	62,436	109,951	55,533	54,418	16,345	8,327	8,018	13,870	7,071	6,799
D00-D48.....	22,676	11,254	11,422	20,308	10,173	10,135	2,368	1,081	1,287	1,983	885	1,098
D50-D64.....	44,910	19,129	25,781	36,892	15,481	21,411	8,018	3,648	4,370	7,050	3,164	3,886

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
E10-E14.....	209,881	99,006	110,875	172,314	83,105	89,209	37,567	15,901	21,666	32,087	13,263	18,824
E40-E64.....	27,935	11,180	16,755	23,894	9,224	14,670	4,041	1,956	2,085	3,520	1,703	1,817
E40-E46.....	25,362	10,158	15,204	21,596	8,334	13,262	3,766	1,824	1,942	3,279	1,591	1,688
E50-E64.....	2,639	1,051	1,588	2,355	915	1,440	284	136	148	250	116	134
G00,G03.....	2,122	1,119	1,003	1,527	779	748	595	340	255	531	308	223
G20-G21.....	31,200	17,495	13,705	29,517	16,568	12,949	1,683	927	756	1,233	664	569
G30.....	78,695	25,110	53,585	73,277	23,354	49,923	5,418	1,756	3,662	4,782	1,522	3,260
I00-I78.....	1,404,765	661,456	743,309	1,216,318	571,631	644,687	188,447	89,825	98,622	162,715	76,073	86,642
I00-I09, I11, I13, I20-I51.....	1,211,124	581,931	629,193	1,049,857	504,063	545,794	161,267	77,868	83,399	139,165	65,846	73,319
I00-I09.....	7,403	2,412	4,991	6,659	2,178	4,481	744	234	510	546	175	371
I11.....	25,326	10,990	14,336	18,294	7,645	10,649	7,032	3,345	3,687	6,530	3,090	3,440
I13.....	4,467	1,869	2,598	2,970	1,200	1,770	1,497	669	828	1,388	616	772
I20-I25.....	680,246	346,462	333,784	602,791	308,216	294,575	77,455	38,246	39,209	66,267	31,799	34,468
I21-I22.....	238,677	124,643	114,034	210,415	110,867	99,548	28,262	13,776	14,486	24,318	11,540	12,778
I24.....	7,837	4,211	3,626	6,754	3,593	3,161	1,083	618	465	932	532	400

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
I20, I25 .....	543,423	276,837	266,586	483,638	247,135	236,503	59,785	29,702	30,083	50,777	24,454	26,323
I25.0 .....	100,989	51,906	49,083	85,190	43,413	41,777	15,799	8,493	7,306	13,892	7,328	6,564
I20, I25.1-I25.9	447,911	227,920	219,991	403,378	206,416	196,962	44,533	21,504	23,029	37,342	17,358	19,984
I26-I51 .....	798,514	370,836	427,678	693,030	320,960	372,070	105,484	49,876	55,608	89,655	41,488	48,167
I33 .....	2,402	1,344	1,058	1,868	1,056	812	534	288	246	484	259	225
I30-I31, I40 .....	4,827	2,648	2,179	3,953	2,151	1,802	874	497	377	730	412	318
I50 .....	286,523	121,415	165,108	258,394	109,422	148,972	28,129	11,993	16,136	24,307	10,147	14,160
I26-I28, I34-I38, I42-I49, I51 .....	608,180	290,050	318,130	520,744	247,898	272,846	87,436	42,152	45,284	73,824	34,841	38,983
I10, I12 .....	87,901	34,941	52,960	70,989	27,670	43,319	16,912	7,271	9,641	15,020	6,380	8,640
I60-I69 .....	282,491	114,038	168,453	242,723	96,870	145,853	39,768	17,168	22,600	33,599	14,211	19,388
I70 .....	46,604	18,806	27,798	42,106	16,927	25,179	4,498	1,879	2,619	3,945	1,606	2,339
I71-I78 .....	58,017	30,335	27,682	50,840	26,972	23,868	7,177	3,363	3,814	6,268	2,845	3,423
I71 .....	22,028	13,530	8,498	19,995	12,425	7,570	2,033	1,105	928	1,622	842	780
I72-I78 .....	36,899	17,399	19,500	31,653	15,087	16,566	5,246	2,312	2,934	4,736	2,049	2,687

SEE FOOTNOTES AT END OF TABLE.



MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
I80-I99.....	29,533	13,974	15,559	24,778	11,628	13,150	4,755	2,346	2,409	4,104	1,993	2,111
J10-J18.....	230,684	111,027	119,657	204,110	97,045	107,065	26,574	13,982	12,592	21,937	11,412	10,525
J10-J11.....	2,177	841	1,336	2,047	789	1,258	130	52	78	95	37	58
J12-J18.....	228,983	110,359	118,624	202,517	96,421	106,096	26,466	13,938	12,528	21,859	11,380	10,479
J20-J22.....	1,819	744	1,075	1,629	647	982	190	97	93	152	77	75
J20-J21.....	1,506	634	872	1,336	547	789	170	87	83	134	68	66
J22.....	313	110	203	293	100	193	20	10	10	18	9	9
J40-J47.....	254,482	134,623	119,859	233,794	122,547	111,247	20,688	12,076	8,612	17,588	10,179	7,409
J40-J42.....	3,445	1,526	1,919	3,085	1,340	1,745	360	186	174	288	142	146
J43.....	32,741	18,437	14,304	30,435	16,908	13,527	2,306	1,529	777	1,960	1,289	671
J45-J46.....	9,918	3,475	6,443	7,425	2,500	4,925	2,493	975	1,518	2,132	809	1,323
J44, J47.....	211,872	113,051	98,821	196,080	103,514	92,566	15,792	9,537	6,255	13,435	8,063	5,372
J60-J66, J68.....	2,789	2,705	84	2,626	2,547	79	163	158	5	145	140	5
J69.....	56,552	29,635	26,917	50,179	26,217	23,962	6,373	3,418	2,955	5,414	2,835	2,579
J00-J06, J30-J39, J67, J70-J98.....	225,616	109,897	115,719	196,732	95,508	101,224	28,884	14,389	14,495	23,922	11,688	12,234

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
K25-K28.....	11,625	5,724	5,901	10,151	4,934	5,217	1,474	790	684	1,149	610	539
K35-K38.....	714	420	294	587	343	244	127	77	50	111	70	41
K40-K46.....	3,479	1,375	2,104	3,147	1,244	1,903	332	131	201	284	113	171
K70, K73-K74.....	40,627	26,540	14,087	34,623	22,711	11,912	6,004	3,829	2,175	4,643	3,030	1,613
K70.....	11,044	8,365	2,679	9,207	7,087	2,120	1,837	1,278	559	1,422	1,009	413
K73-K74.....	30,167	18,598	11,569	25,924	15,999	9,925	4,243	2,599	1,644	3,277	2,061	1,216
K80-K82.....	5,933	2,610	3,323	5,195	2,300	2,895	738	310	428	577	233	344
N00-N07, N17-N19, N25-N27.....	185,714	95,607	90,107	149,593	78,392	71,201	36,121	17,215	18,906	31,260	14,707	16,553
N00-N01, N04.....	595	283	312	477	232	245	118	51	67	95	38	57
N02-N03 N05-N07, N26.....	1,459	757	702	1,165	610	555	294	147	147	239	120	119
N17-N19.....	184,378	94,948	89,430	148,563	77,877	70,686	35,815	17,071	18,744	30,998	14,586	16,412
N25, N27.....	153	56	97	103	39	64	50	17	33	48	17	31
N10-N12, N13.6, N15.1.	1,868	649	1,219	1,629	561	1,068	239	88	151	211	78	133
N40.....	2,672	2,672	...	2,447	2,447	...	225	225	...	193	193	...

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
N70-N76.....	296	...	296	235	...	235	61	...	61	57	...	57
000-099.....	444	...	444	246	...	246	198	...	198	172	...	172
000-007.....	38	...	38	19	...	19	19	...	19	18	...	18
010-099.....	415	...	415	232	...	232	183	...	183	158	...	158
P00-P96.....	18,203	10,193	8,010	11,508	6,445	5,063	6,695	3,748	2,947	6,097	3,428	2,669
Q00-Q99.....	14,979	7,739	7,240	12,086	6,226	5,860	2,893	1,513	1,380	2,378	1,262	1,116
R00-R99.....	283,204	128,171	155,033	243,252	108,470	134,782	39,952	19,701	20,251	34,036	16,596	17,440
RESIDUAL.....	531,119	236,268	294,851	458,050	200,826	257,224	73,069	35,442	37,627	63,036	30,155	32,881
V01-X59,Y85-Y86....	135,992	81,860	54,132	116,109	68,831	47,278	19,883	13,029	6,854	16,348	10,783	5,565
V01-V99,Y85.....	47,824	32,621	15,203	39,958	27,219	12,739	7,866	5,402	2,464	6,029	4,260	1,769
V02---V89.2.....	43,505	29,319	14,186	36,274	24,414	11,860	7,231	4,905	2,326	5,574	3,901	1,673
V01---V89.9.....	2,262	1,654	608	1,886	1,367	519	376	287	89	262	202	60
V90-V99,Y85.....	2,059	1,648	411	1,800	1,438	362	259	210	49	193	157	36
W00-X59,Y86.....	88,475	49,459	39,016	76,418	41,806	34,612	12,057	7,653	4,404	10,349	6,548	3,801
W00-W19.....	17,264	8,779	8,485	15,842	7,909	7,933	1,422	870	552	1,084	658	426

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
W32-W34 . . . . .	863	741	122	679	581	98	184	160	24	165	142	23
W65-W74 . . . . .	3,694	2,914	780	2,849	2,221	628	845	693	152	648	539	109
X00-X09 . . . . .	3,530	2,135	1,395	2,527	1,556	971	1,003	579	424	923	528	395
X40-X49 . . . . .	14,596	10,452	4,144	11,649	8,373	3,276	2,947	2,079	868	2,664	1,900	764
W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86 . . .	49,077	24,811	24,266	43,349	21,491	21,858	5,728	3,320	2,408	4,924	2,821	2,103
X60-X84, Y87.0 . . . . .	29,490	23,669	5,821	26,559	21,296	5,263	2,931	2,373	558	1,965	1,660	305
X72-X74 . . . . .	16,712	14,579	2,133	15,246	13,265	1,981	1,466	1,314	152	1,126	1,019	107
X60-X71, X75-X84, Y87.0 . . . . .	12,823	9,130	3,693	11,355	8,068	3,287	1,468	1,062	406	842	644	198
X85-Y09, Y87.1 . . . . .	17,119	12,956	4,163	8,799	6,289	2,510	8,320	6,667	1,653	7,700	6,251	1,449
X93-X95 . . . . .	10,900	9,003	1,897	4,975	3,868	1,107	5,925	5,135	790	5,589	4,892	697
X85-X92, X96-Y09, Y87.1 . . . . .	6,314	4,026	2,288	3,874	2,459	1,415	2,440	1,567	873	2,151	1,391	760
Y35, Y89.0 . . . . .	412	406	6	266	261	5	146	145	1	129	128	1
Y10-Y34, Y87.2, Y89.9	4,191	2,865	1,326	3,347	2,246	1,101	844	619	225	743	553	190

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Y22-Y24.....	330	283	47	251	216	35	79	67	12	68	58	10
Y10-Y21, Y25-Y34, Y87.2, Y89.9.....	3,863	2,584	1,279	3,098	2,032	1,066	765	552	213	675	495	180
Y36, Y89.1.....	53	52	1	51	50	1	2	2	-	2	2	-
Y40-Y84, Y88.....	34,002	17,450	16,552	29,197	15,101	14,096	4,805	2,349	2,456	4,080	1,964	2,116
S00-T98.....	199,076	127,726	71,350	164,722	103,950	60,772	34,354	23,776	10,578	28,787	20,147	8,640
S02.....	3,927	2,800	1,127	3,363	2,370	993	564	430	134	419	320	99
S12, S22, S32, T08.....	7,040	3,908	3,132	6,359	3,440	2,919	681	468	213	518	370	148
S72.....	15,838	5,669	10,169	15,019	5,339	9,680	819	330	489	660	263	397
S42, S52, S62, S82, S92, T10, T12.....	2,598	919	1,679	2,379	813	1,566	219	106	113	180	90	90
T02.....	725	419	306	631	361	270	94	58	36	75	46	29
S03, S13, S23, S33, S43, S53, S63, S73, S83, S93, T03.....	541	302	239	445	239	206	96	63	33	78	50	28
S05.....	87	47	40	75	40	35	12	7	5	12	7	5
S06.....	16,396	10,881	5,515	13,814	9,021	4,793	2,582	1,860	722	2,008	1,456	552

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE  
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY  
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
S26-S27,S36-S37.....	6,881	4,786	2,095	5,343	3,602	1,741	1,538	1,184	354	1,354	1,062	292
S07---T05.....	1,246	980	266	1,052	829	223	194	151	43	153	122	31
S00---T14.....	88,335	64,632	23,703	70,322	50,810	19,512	18,013	13,822	4,191	15,058	11,818	3,240
T15-T19.....	15,582	7,914	7,668	13,345	6,698	6,647	2,237	1,216	1,021	1,958	1,043	915
T20-T32.....	3,089	2,034	1,055	2,350	1,577	773	739	457	282	652	399	253
T36-T50.....	19,591	13,024	6,567	16,129	10,623	5,506	3,462	2,401	1,061	3,137	2,215	922
T51-T65.....	7,893	5,544	2,349	6,385	4,577	1,808	1,508	967	541	1,274	813	461
T74.....	197	107	90	101	55	46	96	52	44	85	44	41
T33-T35,T66-T73, T75-T78.....	18,082	13,384	4,698	14,411	10,810	3,601	3,671	2,574	1,097	2,776	1,939	837
T79-T88.....	23,248	12,304	10,944	19,759	10,548	9,211	3,489	1,756	1,733	2,991	1,474	1,517
T90-T98.....	4,105	2,463	1,642	3,460	2,011	1,449	645	452	193	549	390	159

1/ INCLUDES BLACK

- 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, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS)

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
A01-A02.....	67	40	27	52	29	23	15	11	4	12	8	4
A03,A06.....	16	11	5	14	10	4	2	1	1	2	1	1
A04,A07-A09.....	2,163	919	1,244	1,966	825	1,141	197	94	103	171	77	94
A16-A19.....	1,987	1,275	712	1,193	743	450	794	532	262	583	401	182
A16.....	1,704	1,108	596	1,027	652	375	677	456	221	504	345	159
A17-A19.....	305	179	126	175	97	78	130	82	48	89	61	28
A37.....	14	5	9	10	3	7	4	2	2	4	2	2
A38,A46.....	10	2	8	8	1	7	2	1	1	2	1	1
A39.....	247	109	138	198	85	113	49	24	25	44	21	23
A40-A41.....	139,550	64,680	74,870	111,085	51,358	59,727	28,465	13,322	15,143	25,214	11,668	13,546
A50-A53.....	155	80	75	70	32	38	85	48	37	83	48	35
A80.....	2	1	1	2	1	1	-	-	-	-	-	-
A83-A84,A85.2.....	3	3	-	3	3	-	-	-	-	-	-	-
B05.....	4	1	3	3	1	2	1	-	1	1	-	1
B15-B19.....	9,614	6,460	3,154	7,264	4,936	2,328	2,350	1,524	826	1,814	1,202	612

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, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
B20-B24.....	16,080	12,217	3,863	7,441	6,185	1,256	8,639	6,032	2,607	8,468	5,893	2,575
B50-B54.....	9	5	4	6	4	2	3	1	2	3	1	2
A00---B99.....	20,359	11,334	9,025	15,470	8,506	6,964	4,889	2,828	2,061	4,245	2,455	1,790
C00-C97.....	613,284	322,152	291,132	532,961	279,120	253,841	80,323	43,032	37,291	68,610	36,825	31,785
C00-C14.....	9,387	6,254	3,133	7,743	5,063	2,680	1,644	1,191	453	1,383	1,007	376
C15.....	13,269	10,094	3,175	11,241	8,601	2,640	2,028	1,493	535	1,808	1,319	489
C16.....	14,124	8,322	5,802	10,877	6,452	4,425	3,247	1,870	1,377	2,438	1,404	1,034
C18-C21.....	68,259	33,989	34,270	59,296	29,711	29,585	8,963	4,278	4,685	7,813	3,696	4,117
C22.....	13,828	8,638	5,190	11,164	6,926	4,238	2,664	1,712	952	1,684	1,057	627
C25.....	30,629	14,954	15,675	26,383	12,921	13,462	4,246	2,033	2,213	3,601	1,722	1,879
C32.....	5,288	4,182	1,106	4,379	3,450	929	909	732	177	845	680	165
C33-C34.....	162,644	95,863	66,781	143,141	83,536	59,605	19,503	12,327	7,176	16,894	10,742	6,152
C43.....	8,058	5,030	3,028	7,912	4,953	2,959	146	77	69	111	55	56
C50.....	51,274	488	50,786	44,112	398	43,714	7,162	90	7,072	6,316	83	6,233
C53.....	4,802	...	4,802	3,686	...	3,686	1,116	...	1,116	963	...	963

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, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
C54-C55.....	7,814	...	7,814	6,554	...	6,554	1,260	...	1,260	1,147	...	1,147
C56.....	14,803	...	14,803	13,354	...	13,354	1,449	...	1,449	1,179	...	1,179
C61.....	45,508	45,508	...	37,823	37,823	...	7,685	7,685	...	7,150	7,150	...
C64-C65.....	13,092	8,106	4,986	11,658	7,234	4,424	1,434	872	562	1,201	723	478
C67.....	15,942	11,140	4,802	14,616	10,390	4,226	1,326	750	576	1,159	632	527
C70-C72.....	13,455	7,350	6,105	12,421	6,798	5,623	1,034	552	482	830	434	396
C81-C96.....	67,700	36,380	31,320	60,174	32,387	27,787	7,526	3,993	3,533	6,298	3,319	2,979
C81.....	1,948	1,107	841	1,738	989	749	210	118	92	189	115	74
C82-C85.....	27,838	14,860	12,978	25,335	13,412	11,923	2,503	1,448	1,055	2,000	1,154	846
C91-C95.....	25,656	14,180	11,476	23,155	12,849	10,306	2,501	1,331	1,170	2,021	1,063	958
C88,C90.....	13,142	6,769	6,373	10,745	5,634	5,111	2,397	1,135	1,262	2,163	1,021	1,142
C96.....	156	83	73	140	74	66	16	9	7	15	9	6
C17---C97.....	156,882	79,673	77,209	135,951	68,924	67,027	20,931	10,749	10,182	17,913	9,227	8,686
D00-D48.....	23,946	11,917	12,029	21,459	10,778	10,681	2,487	1,139	1,348	2,073	928	1,145
D50-D64.....	45,362	19,350	26,012	37,319	15,691	21,628	8,043	3,659	4,384	7,072	3,174	3,898

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, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
E10-E14.....	209,986	99,053	110,933	172,411	83,149	89,262	37,575	15,904	21,671	32,092	13,264	18,828
E40-E64.....	28,472	11,431	17,041	24,303	9,413	14,890	4,169	2,018	2,151	3,641	1,761	1,880
E40-E46.....	25,891	10,411	15,480	21,998	8,525	13,473	3,893	1,886	2,007	3,399	1,649	1,750
E50-E64.....	2,654	1,053	1,601	2,368	917	1,451	286	136	150	251	116	135
G00,G03.....	2,135	1,127	1,008	1,538	785	753	597	342	255	533	310	223
G20-G21.....	31,234	17,518	13,716	29,550	16,590	12,960	1,684	928	756	1,234	665	569
G30.....	78,781	25,135	53,646	73,359	23,378	49,981	5,422	1,757	3,665	4,786	1,523	3,263
I00-I78.....	1,406,982	662,448	744,534	1,218,150	572,472	645,678	188,832	89,976	98,856	163,066	76,210	86,856
I00-I09, I11, I13, I20-I51.....	1,246,608	595,446	651,162	1,077,021	513,946	563,075	169,587	81,500	88,087	146,489	69,012	77,477
I00-I09.....	7,313	2,378	4,935	6,584	2,151	4,433	729	227	502	536	169	367
I11.....	37,821	18,273	19,548	27,011	12,876	14,135	10,810	5,397	5,413	10,018	4,979	5,039
I13.....	175	85	90	141	68	73	34	17	17	33	17	16
I20-I25.....	681,452	346,993	334,459	603,947	308,725	295,222	77,505	38,268	39,237	66,314	31,819	34,495
I21-I22.....	239,196	124,901	114,295	210,918	111,120	99,798	28,278	13,781	14,497	24,333	11,545	12,788
I24.....	7,849	4,218	3,631	6,765	3,600	3,165	1,084	618	466	933	532	401

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, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
I20, I25 .....	544,629	277,367	267,262	484,779	247,642	237,137	59,850	29,725	30,125	50,838	24,475	26,363
I25.0 .....	101,072	51,951	49,121	85,267	43,455	41,812	15,805	8,496	7,309	13,897	7,330	6,567
I20, I25.1-125.9	449,335	228,567	220,768	404,710	207,026	197,684	44,625	21,541	23,084	37,426	17,391	20,035
I26-I51 .....	807,883	374,260	433,623	700,489	323,660	376,829	107,394	50,600	56,794	91,422	42,152	49,270
I33 .....	2,412	1,345	1,067	1,876	1,057	819	536	288	248	486	259	227
I30-I31, I40 .....	4,838	2,653	2,185	3,960	2,154	1,806	878	499	379	734	414	320
I50 .....	297,641	125,184	172,457	267,199	112,314	154,885	30,442	12,870	17,572	26,437	10,942	15,495
I26-I28, I34-I38, I42-I49, I51 .....	611,634	291,697	319,937	523,603	249,292	274,311	88,031	42,405	45,626	74,370	35,073	39,297
I10, I12 .....	205,602	83,546	122,056	166,535	66,840	99,695	39,067	16,706	22,361	34,244	14,385	19,859
I60-I69 .....	282,794	114,128	168,666	243,008	96,955	146,053	39,786	17,173	22,613	33,612	14,214	19,398
I70 .....	76,002	31,684	44,318	68,454	28,493	39,961	7,548	3,191	4,357	6,485	2,651	3,834
I71-I78 .....	65,712	34,323	31,389	57,138	30,402	26,736	8,574	3,921	4,653	7,503	3,328	4,175
I71 .....	22,063	13,551	8,512	20,027	12,445	7,582	2,036	1,106	930	1,625	843	782
I72-I78 .....	44,693	21,468	23,225	38,042	18,592	19,450	6,651	2,876	3,775	5,975	2,535	3,440

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, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
I80-I99.....	32,989	15,603	17,386	27,753	13,025	14,728	5,236	2,578	2,658	4,537	2,200	2,337
J10-J18.....	232,124	111,791	120,333	205,336	97,683	107,653	26,788	14,108	12,680	22,110	11,511	10,599
J10-J11.....	2,180	843	1,337	2,050	791	1,259	130	52	78	95	37	58
J12-J18.....	230,657	111,220	119,437	203,965	97,152	106,813	26,692	14,068	12,624	22,039	11,482	10,557
J20-J22.....	2,103	884	1,219	1,905	782	1,123	198	102	96	158	80	78
J20-J21.....	1,705	730	975	1,530	641	889	175	89	86	138	69	69
J22.....	399	154	245	376	141	235	23	13	10	20	11	9
J40-J47.....	254,878	134,805	120,073	234,173	122,722	111,451	20,705	12,083	8,622	17,603	10,186	7,417
J40-J42.....	5,681	2,645	3,036	5,130	2,354	2,776	551	291	260	448	229	219
J43.....	35,099	19,767	15,332	32,595	18,104	14,491	2,504	1,663	841	2,125	1,399	726
J45-J46.....	12,375	4,390	7,985	9,564	3,269	6,295	2,811	1,121	1,690	2,378	912	1,466
J44,J47.....	211,511	112,850	98,661	195,789	103,355	92,434	15,722	9,495	6,227	13,375	8,031	5,344
J60-J66,J68.....	2,796	2,712	84	2,633	2,554	79	163	158	5	145	140	5
J69.....	56,643	29,675	26,968	50,259	26,250	24,009	6,384	3,425	2,959	5,422	2,839	2,583
J00-J06,J30-J39, J67,J70-J98.....	227,265	110,661	116,604	198,168	96,165	102,003	29,097	14,496	14,601	24,100	11,773	12,327

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, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
K25-K28.....	11,634	5,726	5,908	10,159	4,936	5,223	1,475	790	685	1,150	610	540
K35-K38.....	714	420	294	587	343	244	127	77	50	111	70	41
K40-K46.....	3,482	1,377	2,105	3,150	1,246	1,904	332	131	201	284	113	171
K70, K73-K74.....	39,302	25,546	13,756	33,573	21,901	11,672	5,729	3,645	2,084	4,429	2,884	1,545
K70.....	6,807	5,140	1,667	5,711	4,381	1,330	1,096	759	337	829	584	245
K73-K74.....	33,207	20,942	12,265	28,492	18,001	10,491	4,715	2,941	1,774	3,665	2,348	1,317
K80-K82.....	5,943	2,611	3,332	5,205	2,301	2,904	738	310	428	577	233	344
N00-N07, N17-N19, N25-N27.....	200,825	102,217	98,608	159,610	82,771	76,839	41,215	19,446	21,769	35,923	16,741	19,182
N00-N01, N04.....	760	353	407	606	287	319	154	66	88	129	53	76
N02-N03 N05-N07, N26.....	1,647	844	803	1,316	683	633	331	161	170	271	131	140
N17-N19.....	199,377	101,520	97,857	158,496	82,222	76,274	40,881	19,298	21,583	35,633	16,615	19,018
N25, N27.....	153	56	97	103	39	64	50	17	33	48	17	31
N10-N12, N13.6, N15.1.	1,871	649	1,222	1,632	561	1,071	239	88	151	211	78	133
N40.....	2,672	2,672	...	2,447	2,447	...	225	225	...	193	193	...

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, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
N70-N76.....	296	...	296	235	...	235	61	...	61	57	...	57
000-099.....	444	...	444	246	...	246	198	...	198	172	...	172
000-007.....	38	...	38	19	...	19	19	...	19	18	...	18
010-099.....	418	...	418	233	...	233	185	...	185	160	...	160
P00-P96.....	18,204	10,193	8,011	11,508	6,445	5,063	6,696	3,748	2,948	6,098	3,428	2,670
Q00-Q99.....	15,006	7,748	7,258	12,110	6,235	5,875	2,896	1,513	1,383	2,380	1,262	1,118
R00-R99.....	286,346	129,722	156,624	245,609	109,619	135,990	40,737	20,103	20,634	34,731	16,959	17,772
RESIDUAL.....	580,679	258,882	321,797	502,068	220,670	281,398	78,611	38,212	40,399	67,705	32,451	35,254
V01-X59,Y85-Y86....	135,998	81,862	54,136	116,115	68,833	47,282	19,883	13,029	6,854	16,348	10,783	5,565
V01-V99,Y85.....	47,825	32,622	15,203	39,959	27,220	12,739	7,866	5,402	2,464	6,029	4,260	1,769
V02---V89.2.....	43,506	29,320	14,186	36,275	24,415	11,860	7,231	4,905	2,326	5,574	3,901	1,673
V01---V89.9.....	2,262	1,654	608	1,886	1,367	519	376	287	89	262	202	60
V90-V99,Y85.....	2,059	1,648	411	1,800	1,438	362	259	210	49	193	157	36
W00-X59,Y86.....	88,480	49,460	39,020	76,423	41,807	34,616	12,057	7,653	4,404	10,349	6,548	3,801
W00-W19.....	17,270	8,780	8,490	15,848	7,910	7,938	1,422	870	552	1,084	658	426

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, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
W32-W34 . . . . .	865	742	123	681	582	99	184	160	24	165	142	23
W65-W74 . . . . .	3,694	2,914	780	2,849	2,221	628	845	693	152	648	539	109
X00-X09 . . . . .	3,530	2,135	1,395	2,527	1,556	971	1,003	579	424	923	528	395
X40-X49 . . . . .	14,596	10,452	4,144	11,649	8,373	3,276	2,947	2,079	868	2,664	1,900	764
W20-W31,W35-W64, W75-W99, X10-X39, X50-X59,Y86 . . . . .	49,077	24,811	24,266	43,349	21,491	21,858	5,728	3,320	2,408	4,924	2,821	2,103
X60-X84,Y87.0 . . . . .	29,491	23,670	5,821	26,560	21,297	5,263	2,931	2,373	558	1,965	1,660	305
X72-X74 . . . . .	16,713	14,580	2,133	15,247	13,266	1,981	1,466	1,314	152	1,126	1,019	107
X60-X71,X75-X84, Y87.0 . . . . .	12,823	9,130	3,693	11,355	8,068	3,287	1,468	1,062	406	842	644	198
X85-Y09,Y87.1 . . . . .	17,119	12,956	4,163	8,799	6,289	2,510	8,320	6,667	1,653	7,700	6,251	1,449
X93-X95 . . . . .	10,900	9,003	1,897	4,975	3,868	1,107	5,925	5,135	790	5,589	4,892	697
X85-X92,X96-Y09, Y87.1 . . . . .	6,314	4,026	2,288	3,874	2,459	1,415	2,440	1,567	873	2,151	1,391	760
Y35,Y89.0 . . . . .	412	406	6	266	261	5	146	145	1	129	128	1
Y10-Y34,Y87.2,Y89.9	4,191	2,865	1,326	3,347	2,246	1,101	844	619	225	743	553	190

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, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Y22-Y24.....	330	283	47	251	216	35	79	67	12	68	58	10
Y10-Y21, Y25-Y34, Y87.2, Y89.9.....	3,863	2,584	1,279	3,098	2,032	1,066	765	552	213	675	495	180
Y36, Y89.1.....	53	52	1	51	50	1	2	2	-	2	2	-
Y40-Y84, Y88.....	34,002	17,450	16,552	29,197	15,101	14,096	4,805	2,349	2,456	4,080	1,964	2,116
S00-T98.....	199,093	127,740	71,353	164,737	103,962	60,775	34,356	23,778	10,578	28,789	20,149	8,640
S02.....	3,927	2,800	1,127	3,363	2,370	993	564	430	134	419	320	99
S12, S22, S32, T08.....	7,040	3,908	3,132	6,359	3,440	2,919	681	468	213	518	370	148
S72.....	15,838	5,669	10,169	15,019	5,339	9,680	819	330	489	660	263	397
S42, S52, S62, S82, S92, T10, T12.....	2,598	919	1,679	2,379	813	1,566	219	106	113	180	90	90
T02.....	725	419	306	631	361	270	94	58	36	75	46	29
S03, S13, S23, S33, S43, S53, S63, S73, S83, S93, T03.....	541	302	239	445	239	206	96	63	33	78	50	28
S05.....	87	47	40	75	40	35	12	7	5	12	7	5
S06.....	16,397	10,882	5,515	13,815	9,022	4,793	2,582	1,860	722	2,008	1,456	552

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, RACE, AND SEX: UNITED STATES, 1999

(CAUSE CATEGORIES BASED ON 113 CAUSE LIST SUPPLEMENTED  
BY RELEVANT NATURE OF INJURY CATEGORY GROUPINGS) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
S26-S27,S36-S37.....	6,881	4,786	2,095	5,343	3,602	1,741	1,538	1,184	354	1,354	1,062	292
S07---T05.....	1,246	980	266	1,052	829	223	194	151	43	153	122	31
S00---T14.....	88,340	64,636	23,704	70,327	50,814	19,513	18,013	13,822	4,191	15,058	11,818	3,240
T15-T19.....	15,588	7,919	7,669	13,350	6,702	6,648	2,238	1,217	1,021	1,959	1,044	915
T20-T32.....	3,089	2,034	1,055	2,350	1,577	773	739	457	282	652	399	253
T36-T50.....	19,592	13,025	6,567	16,130	10,624	5,506	3,462	2,401	1,061	3,137	2,215	922
T51-T65.....	7,893	5,544	2,349	6,385	4,577	1,808	1,508	967	541	1,274	813	461
T74.....	197	107	90	101	55	46	96	52	44	85	44	41
T33-T35,T66-T73, T75-T78.....	18,087	13,389	4,698	14,415	10,814	3,601	3,672	2,575	1,097	2,777	1,940	837
T79-T88.....	23,248	12,303	10,945	19,759	10,547	9,212	3,489	1,756	1,733	2,991	1,474	1,517
T90-T98.....	4,105	2,463	1,642	3,460	2,011	1,449	645	452	193	549	390	159

1/ INCLUDES BLACK

- QUANTITY = 0

## MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE

## CONTROL TOTAL TABLE 6

## NUMBER OF DEATHS TABULATED BY

STATE OF OCCURRENCE AND MONTH: UNITED STATES, 1999

(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 . . . . .	2,394,871	227,924	208,458	227,107	196,859	192,247	180,434	187,121	182,805	180,551	195,919	192,344	223,102
ALABAMA . . . . .	44,165	4,088	3,579	4,358	3,746	3,594	3,336	3,415	3,439	3,412	3,468	3,553	4,177
ALASKA . . . . .	2,660	214	210	211	215	208	219	219	245	240	235	209	235
ARIZONA . . . . .	41,051	4,072	3,992	3,970	3,333	3,227	3,014	2,990	2,913	2,929	3,191	3,318	4,102
ARKANSAS . . . . .	27,288	2,663	2,205	2,696	2,295	2,265	2,023	2,121	2,052	2,025	2,254	2,142	2,547
CALIFORNIA . . . . .	230,061	21,704	19,898	20,751	19,250	18,564	17,681	17,712	17,359	16,911	18,154	18,286	23,791
COLORADO . . . . .	27,573	2,417	2,479	2,560	2,278	2,141	2,065	2,204	2,149	2,128	2,251	2,291	2,610
CONNECTICUT . . . . .	29,557	3,006	2,691	2,705	2,417	2,405	2,196	2,282	2,262	2,139	2,380	2,406	2,668
DELAWARE . . . . .	6,601	626	582	633	564	526	485	521	529	500	524	540	571
DI STRI CT OF COLUMBIA . . . . .	7,353	707	662	673	580	572	586	602	558	565	604	627	617
FLORIDA . . . . .	164,232	15,604	14,188	15,973	13,820	13,131	12,377	12,848	12,803	12,142	13,379	13,108	14,859
GEORGIA . . . . .	62,609	5,991	5,198	6,034	5,351	5,058	4,657	4,847	4,845	4,755	5,032	5,070	5,771
HAWAII . . . . .	8,442	802	739	725	675	684	658	661	699	633	682	684	800
IDAHO . . . . .	9,338	772	812	819	793	787	690	781	687	757	780	780	880
ILLINOIS . . . . .	105,426	10,280	9,227	10,127	8,571	8,213	7,967	8,229	7,971	7,901	8,611	8,441	9,888
INDIANA . . . . .	55,872	5,352	4,879	5,683	4,480	4,466	4,120	4,364	4,313	4,206	4,543	4,404	5,062
IOWA . . . . .	28,114	2,620	2,400	2,779	2,246	2,262	2,084	2,169	2,048	2,165	2,362	2,280	2,699
KANSAS . . . . .	23,779	2,136	2,032	2,297	1,979	1,847	1,735	1,902	1,839	1,791	2,042	1,911	2,268
KENTUCKY . . . . .	38,885	3,609	3,295	4,046	3,325	3,061	2,853	3,002	2,876	3,013	3,117	3,124	3,564
LOUISIANA . . . . .	41,522	3,833	3,432	3,875	3,293	3,377	3,195	3,293	3,322	3,138	3,352	3,313	4,099
MAINE . . . . .	12,207	1,126	1,132	1,132	970	933	936	975	951	951	1,099	972	1,030

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE

CONTROL TOTAL TABLE 6

NUMBER OF DEATHS TABULATED BY

STATE OF OCCURRENCE AND MONTH: UNITED STATES, 1999

(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.
MARYLAND.....	42,853	3,875	3,967	4,129	3,446	3,455	3,135	3,397	3,190	3,396	3,483	3,489	3,891
MASSACHUSETTS.....	56,595	5,483	5,311	5,295	4,457	4,431	4,311	4,551	4,237	4,175	4,773	4,583	4,988
MICHIGAN.....	86,068	7,967	7,222	8,371	6,877	6,995	6,599	6,771	6,615	6,648	7,199	6,907	7,897
MINNESOTA.....	38,708	3,621	3,305	3,677	2,970	3,111	2,819	3,009	2,973	3,023	3,289	3,163	3,748
MISSISSIPPI.....	27,444	2,416	2,315	2,701	2,131	2,263	2,021	2,254	2,243	2,076	2,219	2,109	2,696
MISSOURI.....	57,620	5,194	4,871	5,592	4,821	4,659	4,306	4,552	4,266	4,375	4,743	4,749	5,492
MONTANA.....	8,108	695	711	735	654	622	584	671	638	642	701	645	810
NEBRASKA.....	15,732	1,454	1,436	1,431	1,294	1,308	1,161	1,194	1,171	1,190	1,315	1,290	1,488
NEVADA.....	15,715	1,538	1,278	1,385	1,307	1,297	1,277	1,214	1,145	1,181	1,277	1,322	1,494
NEW HAMPSHIRE.....	9,460	909	838	915	762	774	678	762	754	681	842	704	841
NEW JERSEY.....	72,461	7,733	6,377	6,468	5,900	5,860	5,330	5,649	5,527	5,349	5,916	5,759	6,593
NEW MEXICO.....	13,594	1,258	1,228	1,212	1,084	1,040	1,066	1,050	1,043	1,030	1,080	1,156	1,347
NEW YORK.....	158,887	16,599	14,056	14,105	12,568	12,525	12,036	12,835	12,076	11,975	13,093	12,648	14,371
NORTH CAROLINA.....	70,189	6,378	6,067	6,970	5,754	5,574	5,179	5,380	5,433	5,427	5,731	5,829	6,467
NORTH DAKOTA.....	6,491	600	567	552	552	487	513	498	500	516	545	528	633
OHIO.....	108,235	10,262	9,413	10,724	9,223	8,729	8,077	8,472	8,117	8,149	8,821	8,673	9,575
OKLAHOMA.....	33,719	3,187	2,923	3,241	2,730	2,688	2,580	2,575	2,521	2,533	2,827	2,740	3,174
OREGON.....	29,423	2,621	2,652	2,735	2,534	2,435	2,279	2,269	2,255	2,285	2,388	2,397	2,573
PENNSYLVANIA.....	131,155	13,001	11,758	12,603	10,878	10,437	9,721	10,000	9,883	9,893	10,801	10,511	11,669
RHODE ISLAND.....	9,853	992	893	880	759	730	764	841	795	743	772	731	953
SOUTH CAROLINA.....	35,250	3,347	2,983	3,331	3,052	2,881	2,669	2,709	2,617	2,694	2,868	2,770	3,329
SOUTH DAKOTA.....	7,136	659	572	676	582	547	558	558	530	546	601	599	708
TENNESSEE.....	57,021	5,221	4,646	5,638	4,852	4,696	4,429	4,506	4,432	4,308	4,609	4,539	5,145
TEXAS.....	148,901	13,996	13,090	13,881	12,115	12,076	11,294	11,518	11,758	11,037	12,161	11,930	14,045
UTAH.....	12,423	1,130	1,067	1,095	1,027	1,020	946	990	991	956	1,070	977	1,154

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE

CONTROL TOTAL TABLE 6

NUMBER OF DEATHS TABULATED BY

STATE OF OCCURRENCE AND MONTH: UNITED STATES, 1999

(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.
VERMONT. ....	4,909	456	440	444	409	394	346	381	380	401	427	396	435
VIRGINIA. ....	54,845	5,097	4,824	5,343	4,505	4,463	4,123	4,285	4,082	4,207	4,602	4,500	4,814
WASHINGTON. ....	43,980	3,919	3,891	3,982	3,711	3,658	3,472	3,475	3,351	3,345	3,701	3,528	3,947
WEST VIRGINIA. ....	21,068	1,921	1,858	2,120	1,790	1,719	1,606	1,715	1,560	1,533	1,715	1,707	1,824
WISCONSIN. ....	46,405	4,422	3,974	4,512	3,670	3,730	3,398	3,550	3,531	3,598	3,952	3,680	4,388
WYOMING. ....	3,888	351	293	317	264	322	280	353	331	338	338	326	375

ST: 1 = Subtotal      Limited: Sex: 1 = Males; 2 = Females  
    Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over;  
    4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

358	S	Limited			
Recode	T	Sex	Age	Cause Title and ICD-10 Codes	Included
001	1			I. Certain infectious and parasitic diseases (A00-B99)	
002	1			Intestinal infectious diseases (A00-A09)	
003				Cholera (A00)	
004	1			Other intestinal infectious diseases (A01-A08)	
005				Typhoid fever (A01.0)	
006				Paratyphoid fevers and other salmonella infections (A01.1-A01.4,A02)	
007				Shigellosis (A03)	
008				Other bacterial food-borne intoxications (A05)	
009				Amebiasis (A06)	
010				Intestinal infections due to other specified organisms (A04,A07-A08)	
011				Diarrhea and gastroenteritis of infectious origin (A09)	
012	1			Tuberculosis (A16-A19)	
013				Respiratory tuberculosis (A16)	
014				Other tuberculosis (A17-A19)	
015	1			Zoonotic and other bacterial diseases (A20-A49)	
016				Plague (A20)	
017				Brucellosis (A23)	
018				Tetanus (A33-A35)	
019				Diphtheria (A36)	
020				Whooping cough (A37)	
021				Scarlet fever and erysipelas (A38,A46)	
022				Meningococcal infection (A39)	
023			3	Septicemia (A40-A41)	
024				Other zoonotic and bacterial diseases (A21-A22,A24-A32,A42-A44, A48-A49)	
025	1			Infections with a predominately sexual mode of transmission (A50-A64)	
026	1			Syphilis (A50-A53)	
027				Cardiovascular syphilis (A52.0)	
028				Neurosyphilis (A52.1-A52.3)	
029				Other and unspecified syphilis (A50-A51,A52.7-A52.9,A53)	
030				Gonococcal infection (A54)	
031				Other infections with a predominately sexual mode of transmission (A55-A64)	
032	1			Other infections caused by spirochetes, chlamydia or rickettsia (A65-A79)	
033				Lyme disease (A69.2)	
034				Typhus fever (A75)	
035				All other infections caused by spirochetes, chlamydia or rickettsia (A65-A68,A69.0-A69.1,A69.8-A69.9,A70-A74,A77-A79)	
036	1			Viral diseases (A80-B34)	
037				Acute poliomyelitis (A80)	
038				Rabies (A82)	
039				Arthropod-borne viral encephalitis (A83-A84,A85.2)	
040				Yellow fever (A95)	
041				Other and unspecified arthropod-borne viral and hemorrhagic fevers (A90-A94,A96-A99)	
042				Herpesviral (herpes simplex) infections (B00)	
043				Zoster (herpes zoster) (B02)	
044				Smallpox (B03)	
045				Measles (B05)	
046				Rubella (German measles) (B06)	
047				Viral hepatitis (B15-B19)	
048	1			Human immunodeficiency virus (HIV) disease (B20-B24)	
049				Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases (B20)	
050				Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms (B21)	
051				Human immunodeficiency virus (HIV) disease resulting in other specified diseases (B22)	
052				Human immunodeficiency virus (HIV) disease resulting in other conditions (B23)	
053				Unspecified human immunodeficiency virus (HIV) disease (B24)	
054				All other and unspecified viral diseases (A81,A85.0-A85.1,A85.8,A86- A89,B01,B04,B07-B09,B25-B34)	



ST: 1 = Subtotal      Limited: Sex: 1 = Males; 2 = Females  
 Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over;  
 4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

358	S	Limited				
Recode	T	Sex	Age	Cause Title and ICD-10 Codes	Included	
112	1	1		Malignant neoplasms of male genital organs (C60-C63)		
113		1		Of prostate (C61)		
114		1		Of testis (C62)		
115		1		Of penis and other and unspecified male genital organs (C60,C63)		
116	1			Malignant neoplasms of urinary tract (C64-C68)		
117				Of kidney and renal pelvis (C64-C65)		
118				Of bladder (C67)		
119				Of other and unspecified sites within the urinary tract (C66,C68)		
120				Malignant neoplasm of eye and adnexa (C69)		
121	1			Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)		
122				Of brain (C71)		
123				Of other parts of central nervous system (C70,C72)		
124				Malignant neoplasms of thyroid and other endocrine glands (C73-C75)		
125				Other malignant neoplasms of other and unspecified sites (C76-C80,C97)		
126	1			Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)		
127				Hodgkin's disease (C81)		
128	1			Of other lymphoid, hematopoietic and related tissue (C82-C85,C96)		
129				Non-Hodgkin's lymphoma (C82-C85)		
130				Of other and unspecified lymphoid, hematopoietic and related tissue (C96)		
131				Malignant immunoproliferative diseases (C88)		
132				Multiple myeloma and malignant plasma cell neoplasms (C90)		
133	1			Leukemia (C91-C95)		
134				Lymphoid leukemia (C91)		
135				Myeloid leukemia (C92)		
136				Monocytic leukemia (C93)		
137				Other and unspecified leukemia (C94-C95)		
138	1			In situ neoplasms (D00-D09)		
139				Carcinoma in situ of breast and genitourinary system (D05-D07)		
140				Carcinoma in situ of other and unspecified sites (D00-D04,D09)		
141	1			Benign neoplasms (D10-D36)		
142		2		Of female genital organs (D25-D28)		
143				Of eye, brain and other parts of central nervous system (D31-D33)		
144				Of other and unspecified sites (D10-D24,D29-D30,D34-D36)		
145				Neoplasms of uncertain or unknown behavior of specified sites (D37-D47)		
146				Neoplasms of uncertain or unknown behavior of unspecified sites (D48)		
147	1			III. Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)		
148	1			Anemias (D50-D64)		
149				Nutritional anemias (D50-D53)		
150				Hemolytic anemias (D55-D59)		
151				Aplastic anemias (D60-D61)		
152				Acute posthemorrhagic and other anemias (D62,D64)		
153				Coagulation defects, purpura and other hemorrhagic conditions (D65-D69)		
154				Other diseases of blood and blood-forming organs (D70-D76)		
155				Certain disorders involving the immune mechanism (D80-D89)		
156	1			IV. Endocrine, nutritional and metabolic diseases (E00-E88)		
157	1			Endocrine diseases (E00-E34)		
158				Disorders of thyroid gland (E00-E07)		
159		3		Diabetes mellitus (E10-E14)		
160				Disorders of pituitary gland (E22-E23)		
161				Disorders of adrenal glands (E24-E27)		
162				Diseases of thymus (E32)		
163				Other endocrine diseases (E15-E21,E28-E31,E34)		
164	1			Nutritional diseases (E40-E68)		
165	1			Malnutrition (E40-E46)		
166				Nutritional marasmus (E41)		

ST: 1 = Subtotal            Limited: Sex: 1 = Males; 2 = Females  
  Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over;  
  4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

358        S Limited  
Recode  T Sex Age Cause Title and ICD-10 Codes Included

167				Other and unspecified malnutrition (E40,E42-E46)
168				Other nutritional deficiencies (E50-E64)
169				Obesity and other hyperalimentation (E65-E68)
170	1		3	Metabolic disorders (E70-E88)
171				Cystic fibrosis (E84)
172				Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)
173				Other metabolic disorders (E70-E83,E85,E88)
174	1			V. Mental and behavioral disorders (F01-F99)
175				Organic dementia (F01,F03)
176				Other and unspecified organic mental disorders (F04-F09)
177	1		3	Mental and behavioral disorders due to psychoactive substance use (F10-F19)
178			3	Mental and behavioral disorders due to use of alcohol (F10)
179			3	Mental and behavioral disorders due to other psychoactive substance use (F11-F19)
180				Schizophrenia, schizotypal and delusional disorders (F20-F29)
181				Mood (affective) disorders (F30-F39)
182				Neurotic, stress-related and somatoform disorders (F40-F48)
183				Mental retardation (F70-F79)
184				Other and unspecified mental and behavioral disorders (F50-F69,F80-F99)
185	1			VI. Diseases of the nervous system (G00-G98)
186				Meningitis (G00,G03)
187				Other inflammatory diseases of central nervous system (G04-G09)
188				Parkinson's disease (G20-G21)
189				Alzheimer's disease (G30)
190				Multiple sclerosis (G35)
191				Epilepsy (G40-G41)
192				Transient cerebral ischemic attacks and related syndromes (G45)
193				Infantile cerebral palsy (G80)
194				All other diseases of nervous system (G10-G12,G23-G25,G31,G36-G37,G43-G44,G47-G72,G81-G98)
195				VII. Diseases of the eye and adnexa (H00-H57)
196				VIII. Diseases of the ear and mastoid process (H60-H93)
197	1			IX. Diseases of the circulatory system (I00-I99)
198	1			Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)
199				Acute rheumatic fever (I00-I02)
200	1			Chronic rheumatic heart diseases (I05-I09)
201				Rheumatic mitral valve diseases (I05)
202				Rheumatic aortic valve diseases (I06)
203				Disorders of both mitral and aortic valves (I08.0)
204				Other chronic rheumatic heart diseases (I07,I08.1-I08.9,I09)
205	1			Hypertensive diseases (I10-I13)
206				Essential (primary) hypertension (I10)
207				Hypertensive heart disease (I11)
208				Hypertensive renal disease (I12)
209				Hypertensive heart and renal disease (I13)
210	1			Ischemic heart diseases (I20-I25)
211				Acute myocardial infarction (I21-I22)
212				Other acute ischemic heart diseases (I24)
213				Other forms of chronic ischemic heart diseases (I20,I25)
214				Atherosclerotic cardiovascular disease, so described (I25.0)
215				All other forms of chronic ischemic heart disease (I20,I25.1-I25.9)
216	1			Other heart diseases (I26-I51)
217	1			Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)



ST: 1 = Subtotal Limited: Sex: 1 = Males; 2 = Females  
Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over;  
4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

358	S	Limited		
Recode	T	Sex	Age	Cause Title and ICD-10 Codes Included
218				Pulmonary embolism (I26)
219				Other pulmonary heart disease and diseases of pulmonary circulation (I27-I28)
220	1			Other non-pulmonary forms of heart disease (I30-I51)
221				Acute and subacute endocarditis (I33)
222				Diseases of pericardium and acute myocarditis (I30-I31,I40)
223	1			Other diseases of endocardium (I34-I38)
224				Nonrheumatic mitral valve disorders (I34)
225				Nonrheumatic aortic valve disorders (I35)
226				All other diseases of endocardium (I36-I38)
227				Cardiomyopathy (I42)
228				Conduction disorders and cardiac dysrhythmias (I44-I49)
229	1			Heart failure (I50)
230				Congestive heart failure (I50.0)
231				Other and unspecified heart failure (I50.1-I50.9)
232				Myocarditis, unspecified and myocardial degeneration (I51.4-I51.5)
233				All other and ill-defined forms of heart disease (I50.0-I51.3, I51.6-I51.9)
234	1			Cerebrovascular diseases (I60-I69)
235				Subarachnoid hemorrhage (I60)
236	3			Intracerebral and other intracranial hemorrhage (I61-I62)
237				Cerebral infarction (I63)
238				Stroke, not specified as hemorrhage or infarction (I64)
239				Other cerebrovascular diseases and their sequelae (I67,I69)
240	1			Diseases of arteries, arterioles and capillaries (I70-I78)
241				Atherosclerosis (I70)
242				Aortic aneurysm and dissection (I71)
243				Other diseases of arteries, arterioles and capillaries (I70-I78)
244	1			Other disorders of circulatory system (I80-I99)
245				Phlebitis, thrombophlebitis, venous embolism and thrombosis (I80-I82) 246
				All other and unspecified disorders of circulatory system (I83-I99)
247	1			X. Diseases of the respiratory system (J00-J98)
248	1			Acute upper respiratory infections (J00-J06)
249				Acute pharyngitis and tonsillitis (J02-J03)
250				Acute laryngitis and tracheitis ((J04)
251				Other and unspecified acute upper respiratory infections (J00-J01, J05-J06)
252	1			Other diseases of the respiratory system (J10-J98)
253				Influenza (J10-J11)
254	1			Pneumonia(J12-J18)
255				Viral pneumonia, not elsewhere classified (J12)
256				Bacterial pneumonia (J13-J15)
257				Pneumonia due to other or unspecified organisms (J16,J18)
258	1			Other acute lower respiratory infections (J20-J22)
259				Acute bronchitis and bronchiolitis(J20-J21)
260				Unspecified acute lower respiratory infection (J22)
261				Other diseases of upper respiratory tract (J30-J39)
262	1			Chronic lower respiratory diseases (J40-J47)
263	1			Bronchitis, chronic and unspecified, emphysema and asthma (J40-J46)
264				Bronchitis, not specified as acute or chronic (J40)
265				Chronic bronchitis (J41-J42)
266	3			Emphysema (J43)
267				Other chronic obstructive pulmonary disease (J44)
268				Asthma (J45-J46)
269				Bronchiectasis (J47)
270	1			Lung diseases due to external agents (J60-J70)
271				Pneumoconioses and chemical effects (J60-J66,J68)
272	1			Pneumonitis due to solids and liquids (J69)
273				Pneumonitis due to food and vomit (J69.0)
274				Other pneumonitis due to solids and liquids (J69.1-J69.8)
275				Other lung diseases due to external agents (J67,J70)

ST: 1 = Subtotal        Limited: Sex: 1 = Males; 2 = Females  
                                 Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over;  
                                 4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

358	S	Limited			
Recode	T	Sex	Age	Cause Title and ICD-10 Codes	Included
276				Suppurative and necrotic conditions of lower respiratory tract (J85-J86)	
277				Pleural effusion and plaque (J90, J92)	
278				All other diseases of respiratory system (J80-J84,J93-J98)	
279	1			XI. Diseases of the digestive system (K00-K92)	
280				Diseases of oral cavity, salivary glands and jaws (K00-K14)	
281	1			Diseases of other parts of digestive system (K20-K92)	
282				Diseases of esophagus (K20-K22)	
283	1			Peptic ulcer (K25-K28)	
284				Gastric ulcer(K25)	
285				Duodenal ulcer(K26)	
286		3		Peptic ulcer, site unspecified (K27)	
287				Gastrojejunal ulcer (K28)	
288				Gastritis and duodenitis (K29)	
289				Dyspepsia and other diseases of stomach and duodenum (K30-K31)	
290				Diseases of appendix (K35-K38)	
291				Hernia (K40-K46)	
292				Crohn's disease and ulcerative colitis (K50-K51)	
293				Vascular disorders and obstruction of intestine without hernia (K55-K56)	
294				Diverticular disease of intestine (K57)	
295				Other diseases of intestines and peritoneum (K52,K58-K63)	
296				Diseases of peritoneum (K65-K66)	
297	1			Diseases of liver (K70-K76)	
298				Alcoholic liver disease (K70)	
299				Chronic hepatitis, not elsewhere classified (K73)	
300				Fibrosis and cirrhosis of liver (K74)	
301				Other diseases of liver (K71-K72,K75-K76)	
302				Cholelithiasis and other disorders of gallbladder (K80-K82)	
303	1			Disorders of biliary tract and pancreas (K83-K86)	
304				Pancreatitis (K85,K86.0-K86.1)	
305				Other disorders of biliary tract and pancreas (K83,K86.2-K86.9)	
306				All other diseases of digestive system (K90-K92)	
307	1			XII. Diseases of the skin and subcutaneous tissue (L00-L98)	
308				Infections of skin and subcutaneous tissue (L00-L08)	
309				Other and unspecified diseases of skin and sub-cutaneous tissue (L10-L98)	
310	1			XIII. Diseases of the musculoskeletal system and connective tissue (M00-M99)	
311				Rheumatoid arthritis and related inflammatory polyarthropathies (M05-M08)	
312				Systemic lupus erythematosus (M32)	
313				Other arthropathies and related disorders (M00,M02,M10-M31,M33-M35)	
314				Dorsopathies (M40-M54)	
315				Soft tissue disorders (M60-M79)	
316	1			Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue (M80-M99)	
317				Osteoporosis (M80-M81)	
318				Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue (M83-M99)	
319	1			XIV. Diseases of the genitourinary system (N00-N98)	
320	1			Diseases of urinary system (N00-N39)	
321	1			Glomerular and renal tubulo-interstitial diseases (N00-N15)	
322	1			Glomerular diseases (N00-N07)	
323				Acute and rapidly progressive nephritic syndrome (N00-N01)	
324				Nephrotic syndrome (N04)	

ST: 1 = Subtotal      Limited: Sex: 1 = Males; 2 = Females  
 Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over;  
 4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

358	S	Limited				
Recode	T	Sex	Age	Cause Title and ICD-10 Codes	Included	
325				Other and unspecified glomerular diseases (N02-N03,N05-N07)		
326				Renal tubulo-interstitial diseases (N10-N15)		
327				Renal failure (N17-N19)		
328				Urolithiasis (N20-N23)		
329				Other and unspecified disorders of kidney (N25-N27)		
330				Urinary tract infection, site not specified (N39.0)		
331				Other diseases of urinary system (N28-N36,N39.1-N39.9)		
332	1	1		Diseases of male genital organs (N40-N50)		
333		1		Hyperplasia of prostate (N40)		
334		1		Other diseases of male genital organs (N41-N50)		
335				Disorders of breast (N60-N64)		
336	1	2		Disorders of female genital organs (N70-N98)		
337		2		Inflammatory diseases of female pelvic organs (N70-N76)		
338		2		Noninflammatory disorders of female genital tract (N80-N98)		
339	1	2	2	XV. Pregnancy, childbirth and the puerperium (O00-O99)		
340	1	2	2	Pregnancy with abortive outcome (O00-O07)		
341		2	2	Ectopic pregnancy (O00)		
342		2	2	Spontaneous abortion (O03)		
343		2	2	Medical abortion (O04)		
344		2	2	Other abortion (O05)		
345		2	2	Other and unspecified pregnancy with abortive outcome (O01-O02, O06-O07)		
346	1	2	2	Other direct obstetric deaths (O10-O92)		
347		2	2	Eclampsia and pre-eclampsia (O11,O13-O16)		
348		2	2	Hemorrhage of pregnancy and childbirth and placenta previa (O20,O44-O46,O67,O72)		
349	1	2	2	Complications predominately related to the puerperium (O85-O92)		
350		2	2	Obstetric embolism (O88)		
351		2	2	Other complications predominately related to the puerperium (O85-O87,O89-O92)		
352		2	2	All other direct obstetric causes (O10,O12,O21-O43,O47-O66,O68-O71, O73-O75)		
353		2	2	Obstetric death of unspecified cause (O95)		
354		2	2	Other deaths related to pregnancy, childbirth and the puerperium (O96-O97)		
355		2	2	Indirect obstetric deaths (O98-O99)		
356	1			XVI. Certain conditions originating in the perinatal period (P00-P96)		
357				Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04)		
358				Disorders related to short gestation and low birth weight, not elsewhere classified (P07)		
359				Birth trauma (P10-P15)		
360				Intrauterine hypoxia and birth asphyxia (P20-P21)		
361				Respiratory distress of newborn (P22)		
362				Other respiratory conditions originating in the perinatal period (P23-P28)		
363				Infections specific to the perinatal period (P35-P39)		
364				Other and unspecified conditions originating in the perinatal period (P05,P08,P29,P50-P96)		
365	1			XVII. Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)		
366				Anencephaly and similar malformations (Q00)		
367				Spina bifida (Q05)		
368				All other congenital malformations of nervous system (Q01-Q04,Q06-Q07)		
369				Congenital malformations of heart (Q20-Q24)		

ST: 1 = Subtotal      Limited: Sex: 1 = Males; 2 = Females  
    Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over;  
    4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

358	S	Limited		
Recode	T	Sex	Age	Cause Title and ICD-10 Codes Included
370				Other congenital malformations of circulatory system (Q25-Q28)
371				Congenital malformations of respiratory system (Q30-Q34)
372				Other congenital malformations and deformations (Q10-Q18,Q35-Q89)
373				Down's syndrome (Q90)
374				All other chromosomal abnormalities, not elsewhere classified (Q91-Q99)
375	1			XVIII. Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)
376				Senility (R54)
377	1			Ill-defined and unknown causes of mortality (R95-R99)
378		4		Sudden infant death syndrome (R95)
379				Other ill-defined and unknown causes of mortality (R96-R99)
380				All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R53,R55-R94)
381	1			XX. External causes of mortality (*U01-*U03,V01-Y89)
382	1			Accidents (unintentional injuries) (V01-X59,Y85-Y86)
383	1			Transport accidents (V01-V99, Y85)
384				Railway accidents (V05,V15,V80.6,V81.2-V81.9,V80.3-V80.5, V81.0-V81.1,V82.0-V82.1,V83-V86,V87.0-V87.8,V88.0-V88.8,V89.0, V89.2)
385	1			Motor vehicle accidents (V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1,V82.0-V82.1,V83-V86, V87.0-V87.8,V88.0-V88.8,V89.0,V89.2)
386				Pedestrian involved in collision with motor vehicle (V02-V04)
387				Pedalcyclist involved in collision with motor vehicle (V12-V14,V19.0,V19.2-V19.4-V19.6)
388				Motorcyclist involved in any accident except collision with railway train (V20-V24,V26-V34,V36-V39)
389	1			Motor vehicle accident involving collision with railway train (V25,V35,V45,V55,V65,V75,V81.0-V81.1,V87.6,V88.6)
390				Motorcyclist involved in collision with railway train (V25,V35)
391				Other motor vehicle accident involving collision with railway train (V45,V55,V65,V75,V81.0-V81.1,V87.6,V88.6)
392				Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian (V40-V41,V46-V47,V50-V51,V56-V57,V60-V61,V66-V67,V70-V71, V76-V77)
393				Occupant of car, pickup truck or van involved in collision with other motor vehicle (V42-V44,V49,V52-V54,V59)
394				Occupant of heavy transport vehicle or bus involved in collision with other motor vehicle (V62-V64,V69,V72-V74,V79)
395				Occupant of motor vehicle involved in non-collision accident (V48,V58,V68,V78)
396				Occupant of special-use motor vehicle involved in any accident (V83-V86)
397				Other and unspecified motor vehicle accidents (V09.0,V09.2,V80.3-V80.5,V82.0-V82.1,V87.0-V87.5,V87.7-V87.8, V88.0-V88.5,V88.7-V88.8,V89.0,V89.2)
398				Streetcar accidents (V82.2-V82.9)
399				Other and unspecified land transport accidents (V01,V06,V09.1,V09.3,V09.9,V10-V11,V16-V18,V19.3,V19.8-V19.9, V80.0-V80.2,V80.7-V80.9,V87.9,V88.9,V89.1,V89.3,V89.9)
400				Water transport accidents (V90-V94)
401				Air and space transport accidents (V95-V97)
402				Other and unspecified transport accidents and their sequelae (V98-V99,Y85)
403	1			Falls (W00-W19)
404				Fall on same level (W00-W09,W18)
405				Fall from one level to another (W10-W17)
406				Unspecified fall (W19)
407				Accidental discharge of firearms (W32-W34)

ST: 1 = Subtotal      Limited: Sex: 1 = Males; 2 = Females  
Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over;  
4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

358	S	Limited				
Recode	T	Sex	Age	Cause Title and ICD-10 Codes Included		
408				Accidental explosion (W39-W40)		
409				Accidental drowning and submersion (W65-W74)		
410				Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80)		
411				Other accidental and unspecified threats to breathing (W75-W77,W81-W84)		
412				Accidental exposure to electrical current (W85-W87)		
413				Accidental exposure to radiation (W88-W91)		
414				Accidental exposure to smoke, fire and flames (X00-X09)		
415				Accidental contact with heat and hot substances (X10-X19)		
416				Lightning (X33)		
417				Earthquake, volcanic eruption, avalanche, landslide and other earth movements (X34-X36)		
418				Cataclysmic storm and flood (X37-X38)		
419	1			Accidental poisoning and exposure to noxious substances (X40-X49)		
420				Accidental poisoning by and exposure to drugs and other biological substances (X40-X44)		
421				Accidental poisoning by and exposure to other and unspecified solid or liquids substances (X45-X46,X48-X49)		
422				Accidental poisoning by and exposure to other gases and vapors (X47)		
423				All other and unspecified accidents (W20-W31,W35-W38,W41-W64,W92-W99,X20-X32,X39,X50-X59,Y86)		
424	1	1		Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)		
425		1		Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances (X60-X64)		
426		1		Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors (X65-X66,X68-X69)		
427		1		Intentional self-poisoning (suicide) by and exposure to other gases and vapors (X67)		
428		1		Intentional self-harm (suicide) by hanging, strangulation and suffocation (X70)		
429		1		Intentional self-harm (suicide) by discharge of firearms (X72-X74)		
430		1		Intentional self-harm (suicide) by jumping from a high place (X80)		
431		1		Intentional self-harm (suicide) by all other and unspecified means and their sequelae (*U03,X71,X75-X79,X81-X84,X87.0)		
432	1			Assault (homicide) (*U01-*U02,X85-Y09,X87.1)		
433				Assault (homicide) by drugs, biological substances and other and unspecified noxious substances (*U01.6-*U01.7,X85-X90)		
434				Assault (homicide) by hanging, strangulation and suffocation (X91)		
435				Assault (homicide) by discharge of firearms (*U01.4,X93-X95)		
436				Assault (homicide) by sharp object (X99)		
437				Assault (homicide) by blunt object (Y00)		
438				Assault (homicide) by bodily force (Y04)		
439				Sexual assault (homicide) by bodily force (Y05)		
440				Neglect, abandonment and other maltreatment syndromes (Y06-Y07)		
441				Assault (homicide) by all other and unspecified means and their sequelae (*U01.0-*U01.3,*U01.5,*U01.8-*U01.9,*U02,X92,X96-X98,Y01-Y03,Y08-Y09,Y87.1)		
442	1			Event of undetermined intent (Y10-Y34,Y87.2,Y89.9)		
443				Poisoning by and exposure to drugs and biological substances, undetermined intent (Y10-Y14)		
444				Poisoning by and exposure to other and unspecified solid or liquid substance undetermined intent (Y15-Y16,Y18-Y19)		
445				Poisoning by and exposure to other gases and vapors, undetermined intent (Y17)		
446				Discharge of firearms, undetermined intent (Y22-Y24)		
447				Falling, jumping or pushed from a high place, undetermined intent (Y30)		
448				All other and unspecified events of undetermined intent and their sequelae (Y20-Y21,Y25-Y29,Y31-Y34,Y87.2,Y89.9)		
449	1			Legal intervention (Y35,Y89.0)		

ST: 1 = Subtotal      Limited: Sex: 1 = Males; 2 = Females  
 Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over;  
 4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

358	S	Limited		
Recode	T	Sex	Age	Cause Title and ICD-10 Codes Included
450				Legal intervention (Y35.5)
451				Other legal intervention and their sequelae (Y35.0-Y35.4, Y35.6-Y35.7, Y89.0)
452				Operations of war and their sequelae (Y36, Y89.1)
453	1			Complications of medical and surgical care (Y40-Y84, Y88)
454				Drugs, medicaments and biological substances causing adverse effects in therapeutic use and their sequelae (Y40-Y59, Y88.0)
455				Misadventures to patients during medical and surgical care and their sequelae (Y60-Y69, Y88.1)
456				Other complications of medical and surgical care and their sequelae (Y70-Y84, Y88.2-Y88.3)

ST: 1 = Subtotal      Limited: Sex: 1 = Males; 2 = Females  
 Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over  
 4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

113 Recode	S T	Limited Sex Age	Cause Title and ICD-10 Codes Included
001			Salmonella infections (A01-A02)
002			Shigellosis and amebiasis (A03,A06)
003			Certain other intestinal infections (A04,A07-A09)
004	1		Tuberculosis (A16-A19)
005			Respiratory tuberculosis (A16)
006			Other tuberculosis (A17-A19)
007			Whooping cough (A37)
008			Scarlet fever and erysipelas (A38,A46)
009			Meningococcal infection (A39)
010	3		Septicemia (A40-A41)
011			Syphilis (A50-A53)
012			Acute poliomyelitis (A80)
013			Arthropod-borne viral encephalitis (A83-A84,A85.2)
014			Measles (B05)
015			Viral hepatitis (B15-B19)
016			Human immunodeficiency virus (HIV) disease (B20-B24)
017			Malaria (B50-B54)
018			Other and unspecified infectious and parasitic diseases and their sequelae (A00,A05,A20-A36,A42-A44,A48-A49,A54-A79,A81-A82, A85.0-A85.1,A85.8,A86-B04,B06-B09,B25-B49,B55-B99)
019	1		Malignant neoplasms (C00-C97)
020			Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)
021			Malignant neoplasm of esophagus (C15)
022			Malignant neoplasm of stomach (C16)
023			Malignant neoplasms of colon, rectum and anus (C18-C21)
024			Malignant neoplasms of liver and intrahepatic bile ducts (C22)
025			Malignant neoplasm of pancreas (C25)
026			Malignant neoplasm of larynx (C32)
027			Malignant neoplasms of trachea, bronchus and lung (C33-C34)
028			Malignant melanoma of skin (C43)
029			Malignant neoplasm of breast (C50)
030	2		Malignant neoplasm of cervix uteri (C53)
031	2		Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)
032	2		Malignant neoplasm of ovary (C56)
033	1		Malignant neoplasm of prostate (C61)
034			Malignant neoplasms of kidney and renal pelvis (C64-C65)
035			Malignant neoplasm of bladder (C67)
036			Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)
037	1		Malignant neoplasms of lymphoid, hematopoietic and related tissue (C81-C96)
038			Hodgkin's disease (C81)
039			Non-Hodgkin's lymphoma (C82-C85)
040			Leukemia (C91-C95)
041			Multiple myeloma and immunoproliferative neoplasms (C88,C90)
042			Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)
043			All other and unspecified malignant neoplasms (C17,C23-C24,C26-C31, C37-C41,C44-C49,C51-C52,C57-C60,C62-C63,C66,C68-C69,C73-C80,C97)
044			In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)
045			Anemias (D50-D64)
046	3		Diabetes mellitus (E10-E14)
047			Nutritional deficiencies (E40-E64)
048			Malnutrition (E40-E46)
049			Other nutritional deficiencies (E50-E64)
050			Meningitis (G00,G03)
051			Parkinson's disease (G20-G21)
052			Alzheimer's disease (G30)
053	1		Major cardiovascular diseases (I00-I78)
054	1		Diseases of heart (I00-I09,I11,I13,I20-I51)

ST: 1 = Subtotal      Limited: Sex: 1 = Males; 2 = Females  
                                 Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over  
                                 4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

113	S Limited			
Recode	T	Sex	Age	Cause Title and ICD-10 Codes Included
055				Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)
056				Hypertensive heart disease (I11)
057				Hypertensive heart and renal disease (I13)
058	1			Ischemic heart diseases (I20-I25)
059				Acute myocardial infarction (I21-I22)
060				Other acute ischemic heart diseases (I24)
061	1			Other forms of chronic ischemic heart disease (I20,I25)
062				Atherosclerotic cardiovascular disease, so described (I25.0)
063				All other forms of chronic ischemic heart disease (I20,I25.1-I25.9)
064	1			Other heart diseases (I26-I51)
065				Acute and subacute endocarditis (I33)
066				Diseases of pericardium and acute myocarditis (I30-I31,I40)
067				Heart failure (I50)
068				All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)
069				Essential (primary) hypertension and hypertensive renal disease (I10,I12)
070				Cerebrovascular diseases (I60-I69)
071				Atherosclerosis (I70)
072	1			Other diseases of circulatory system (I71-I78)
073				Aortic aneurysm and dissection (I71)
074				Other diseases of arteries, arterioles and capillaries (I72-I78)
075				Other disorders of circulatory system (I80-I99)
076	1			Influenza and pneumonia (J10-J18)
077				Influenza (J10-J11)
078				Pneumonia (J12-J18)
079	1			Other acute lower respiratory infections (J20-J22)
080				Acute bronchitis and bronchiolitis (J20-J21)
081				Unspecified acute lower respiratory infection (J22)
082	1			Chronic lower respiratory diseases (J40-J47)
083				Bronchitis, chronic and unspecified (J40-J42)
084		3		Emphysema (J43)
085				Asthma (J45-J46)
086				Other chronic lower respiratory diseases (J44,J47)
087				Pneumoconioses and chemical effects (J60-J66,J68)
088				Pneumonitis due to solids and liquids (J69)
089				Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98)
090				Peptic ulcer (K25-K28)
091				Diseases of appendix (K35-K38)
092				Hernia (K40-K46)
093	1			Chronic liver disease and cirrhosis (K70,K73-K74)
094				Alcoholic liver disease (K70)
095				Other chronic liver disease and cirrhosis (K73-K74)
096				Cholelithiasis and other disorders of gallbladder (K80-K82)
097	1			Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)
098				Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01,N04)
099				Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified (N02-N03, N05-N07,N26)
100				Renal failure (N17-N19)
101				Other disorders of kidney (N25,N27)
102				Infections of kidney (N10-N12,N13.6,N15.1)
103	1			Hyperplasia of prostate (N40)
104	2			Inflammatory diseases of female pelvic organs (N70-N76)
105	1	2	2	Pregnancy, childbirth and the puerperium (O00-O99)
106		2	2	Pregnancy with abortive outcome (O00-O07)
107		2	2	Other complications of pregnancy, childbirth and the puerperium (O10-O99)
108				Certain conditions originating in the perinatal period (P00-P96)
109				Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)



ST: 1 = Subtotal          Limited: Sex: 1 = Males; 2 = Females  
    Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over  
    4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

113          S Limited  
 Recode    T Sex Age

Cause Title and ICD-10 Codes Included

110			Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)
111			All other diseases (Residual) (D65-E07,E15-E34,E65-F99,G04-G12, G23-G25,G31-H93,K00-K22,K29-K31,K50-K66,K71-K72,K75-K76,K83-M99, N13.0-N13.5,N13.7-N13.9,N14,N15.0,N15.8-N15.9,N20-N23,N28-N39, N41-N64,N80-N98)
112	1		Accidents (unintentional injuries) (V01-X59,Y85-Y86)
113	1		Transport accidents (V01-V99,Y85)
114			Motor vehicle accidents (V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1,V82.0-V82.1,V83-V86, V87.0-V87.8,V88.0-V88.8,V89.0,V89.2)
115			Other land transport accidents (V01,V05-V06,V09.1,V09.3-V09.9, V10-V11,V15-V18,V19.3,V19.8-V19.9,V80.0-V80.2,V80.6-V80.9, V81.2-V81.9,V82.2-V82.9,V87.9,V88.9,V89.1,V89.3,V89.9)
116			Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85)
117	1		Nontransport accidents (W00-X59,Y86)
118			Falls (W00-W19)
119			Accidental discharge of firearms (W32-W34)
120			Accidental drowning and submersion (W65-W74)
121			Accidental exposure to smoke, fire and flames (X00-X09)
122			Accidental poisoning and exposure to noxious substances (X40-X49)
123			Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99,X10-X39,X50-X59,Y86)
124	1	1	Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)
125		1	Intentional self-harm (suicide) by discharge of firearms (X72-X74)
126		1	Intentional self-harm (suicide) by other and unspecified means and their sequelae (*U03,X60-X71,X75-X84,Y87.0)
127	1		Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)
128			Assault (homicide) by discharge of firearms (*U01.4,X93-X95)
129			Assault (homicide) by other and unspecified means and their sequelae (*U01.0-*U01.3,*U01.5-*U01.9,*U02,X85-X92,X96-Y09,Y87.1)
130			Legal intervention (Y35,Y89.0)
131	1		Events of undetermined intent (Y10-Y34,Y87.2,Y89.9)
132			Discharge of firearms, undetermined intent (Y22-Y24)
133			Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2,Y89.9)
134			Operations of war and their sequelae (Y36,Y89.1)
135			Complications of medical and surgical care (Y40-Y84,Y88)

ST: 1 = Subtotal      Limited: Sex: 1 = Males; 2 = Females  
 Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over  
 4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

130      S Limited

Recode T Sex Age Cause Title and ICD-10 Codes Included

001	1		Certain infectious and parasitic diseases (A00-B99)
002			Certain intestinal infectious diseases (A00-A08)
003			Diarrhea and gastroenteritis of infectious origin (A09)
004			Tuberculosis (A16-A19)
005			Tetanus (A33,A35)
006			Diphtheria (A36)
007			Whooping cough (A37)
008			Meningococcal infection (A39)
009	3		Septicemia (A40-A41)
010			Congenital syphilis (A50)
011			Gonococcal infection (A54)
012	1		Viral diseases (A80-B34)
013			Acute poliomyelitis (A80)
014			Varicella (chickenpox) (B01)
015			Measles (B05)
016			Human immunodeficiency virus (HIV) disease (B20-B24)
017			Mumps (B26)
018			Other and unspecified viral diseases (A81-B00,B02-B04,B06-B19,B25,B27-B34)
019			Candidiasis (B37)
020			Malaria (B50-B54)
021			Pneumocystosis (B59)
022			All other and unspecified infectious and parasitic diseases (A20-A32,A38,A42-A49,A51-A53,A55-A79,B35-B36,B38-B49,B55-B58,B60-B99)
023	1		Neoplasms (C00-D48)
024	1		Malignant neoplasms (C00-C97)
025			Hodgkin's disease and non-Hodgkin's lymphomas (C81-C85)
026			Leukemia (C91-C95)
027			Other and unspecified malignant neoplasms (C00-C80,C88,C90,C96-C97)
028			In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)
029	1		Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)
030			Anemias (D50-D64)
031			Hemorrhagic conditions and other diseases of blood and blood-forming organs (D65-D76)
032			Certain disorders involving the immune mechanism (D80-D89)
033	1		Endocrine, nutritional and metabolic diseases (E00-E88)
034			Short stature, not elsewhere classified (E34.3)
035			Nutritional deficiencies (E40-E64)
036			Cystic fibrosis (E84)
037	3		Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)
038			All other endocrine, nutritional and metabolic diseases (E00-E32,E34.0-E34.2,E34.4-E34.9,E65-E83,E85,E88)
039	1		Diseases of the nervous system (G00-G98)
040			Meningitis (G00,G03)
041			Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) (G12.0)
042			Infantile cerebral palsy (G80)
043			Anoxic brain damage, not elsewhere classified (G93.1)
044			Other diseases of nervous system (G04,G06-G11,G12.1-G12.9,G20-G72,G81-G92,G93.0,G93.2-G93.9,G95-G98)
045			Diseases of the ear and mastoid process (H60-H93)
046	1		Diseases of the circulatory system (I00-I99)
047			Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)
048			Pericarditis, endocarditis and myocarditis (I30,I33,I40)
049			Cardiomyopathy (I42)
050			Cardiac arrest (I46)
051			Cerebrovascular diseases (I60-I69)
052			All other diseases of circulatory system (I00-I25,I31,I34-I38,I44-I45,I47-I51,I70-I99)
053	1		Diseases of the respiratory system (J00-J98)
054			Acute upper respiratory infections (J00-J06)

ST: 1 = Subtotal      Limited: Sex: 1 = Males; 2 = Females  
 Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over  
 4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

130      S Limited

Recode T Sex Age Cause Title and ICD-10 Codes Included

055	1	Influenza and pneumonia (J10-J18)
056		Influenza (J10-J11)
057		Pneumonia (J12-J18)
058		Acute bronchitis and acute bronchiolitis (J20-J21)
059		Bronchitis, chronic and unspecified (J40-J42)
060		Asthma (J45-J46)
061		Pneumonitis due to solids and liquids (J69)
062		Other and unspecified diseases of respiratory system (J22,J30-J39,J43-J44,J47-J68,J70-J98)
063	1	Diseases of the digestive system (K00-K92)
064		Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)
065		Hernia of abdominal cavity and intestinal obstruction without hernia (K40-K46,K56)
066		All other and unspecified diseases of digestive system (K00-K28,K30-K38,K57-K92)
067	1	Diseases of the genitourinary system (N00-N95)
068		Renal failure and other disorders of kidney (N17-N19,N25,N27)
069		Other and unspecified diseases of genitourinary system (N00-N15,N20-N23,N26,N28-N95)
070	1	Certain conditions originating in the perinatal period (P00-P96)
071	1	Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04)
072		Newborn affected by maternal hypertensive disorders (P00.0)
073		Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)
074	1	Newborn affected by maternal complications of pregnancy (P01)
075		Newborn affected by incompetent cervix (P01.0)
076		Newborn affected by premature rupture of membranes (P01.1)
077		Newborn affected by multiple pregnancy (P01.5)
078		Newborn affected by other maternal complications of pregnancy (P01.2-P01.4,P01.6-P01.9)
079	1	Newborn affected by complications of placenta, cord and membranes (P02)
080		Newborn affected by complications involving placenta (P02.0-P02.3)
081		Newborn affected by complications involving cord (P02.4-P02.6)
082		Newborn affected by chorioamnionitis (P02.7)
083		Newborn affected by other and unspecified abnormalities of membranes (P02.8-P02.9)
084		Newborn affected by other complications of labor and delivery (P03)
085		Newborn affected by noxious influences transmitted via placenta or breast milk (P04)
086	1	Disorders related to length of gestation and fetal malnutrition (P05-P08)
087		Slow fetal growth and fetal malnutrition (P05)
088	1	Disorders related to short gestation and low birth weight, not elsewhere classified (P07)
089		Extremely low birth weight or extreme immaturity (P07.0,P07.2)
090		Other low birth weight or preterm (P07.1,P07.3)
091		Disorders related to long gestation and high birth weight (P08)
092		Birth trauma (P10-P15)
093	1	Intrauterine hypoxia and birth asphyxia (P20-P21)
094		Intrauterine hypoxia (P20)
095		Birth asphyxia (P21)
096		Respiratory distress of newborn (P22)
097	1	Other respiratory conditions originating in the perinatal period (P23-P28)
098		Congenital pneumonia (P23)
099		Neonatal aspiration syndromes (P24)
100		Interstitial emphysema and related conditions originating in the perinatal period (P25)

ST: 1 = Subtotal      Limited: Sex: 1 = Males; 2 = Females  
                                Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over  
  4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

130      S Limited

Recode T Sex Age Cause Title and ICD-10 Codes Included

101                  Pulmonary hemorrhage originating in the perinatal period (P26)  
102                  Chronic respiratory disease originating in the perinatal period  
                                (P27)  
103                  Atelectasis (P28.0-P28.1)  
104                  All other respiratory conditions originating in the perinatal  
                                period (P28.2-P28.9)  
105      1          Infections specific to the perinatal period (P35-P39)  
106                  Bacterial sepsis of newborn (P36)  
107                  Omphalitis of newborn with or without mild hemorrhage (P38)  
108                  All other infections specific to the perinatal period  
                                (P35,P37,P39)  
109      1          Hemorrhagic and hematological disorders of newborn (P50-P61)  
110                  Neonatal hemorrhage (P50-P52,P54)  
111                  Hemorrhagic disease of newborn (P53)  
112                  Hemolytic disease of newborn due to isoimmunization and other  
                                perinatal jaundice (P55-P59)  
113                  Hematological disorders (P60-P61)  
  
114                  Syndrome of infant of a diabetic mother and neonatal diabetes  
                                mellitus (P70.0-P70.2)  
115                  Necrotizing enterocolitis of newborn (P77)  
116                  Hydrops fetalis not due to hemolytic disease (P83.2)  
117                  Other perinatal conditions  
                                (P29,P70.3-P70.9,P71-P76,P78-P81,P83.0-P83.1,P83.3-P83.9,P90-P96)  
118      1          Congenital malformations, deformations and chromosomal abnormalities  
                                (Q00-Q99)  
119                  Anencephaly and similar malformations (Q00)  
120                  Congenital hydrocephalus (Q03)  
121                  Spina bifida (Q05)  
122                  Other congenital malformations of nervous system  
                                (Q01-Q02,Q04,Q06-Q07)  
123                  Congenital malformations of heart (Q20-Q24)  
124                  Other congenital malformations of circulatory system (Q25-Q28)  
125                  Congenital malformations of respiratory system (Q30-Q34)  
126                  Congenital malformations of digestive system (Q35-Q45)  
127                  Congenital malformations of genitourinary system (Q50-Q64)  
128                  Congenital malformations and deformations of musculoskeletal system,  
                                limbs and integument (Q65-Q85)  
129                  Down's syndrome (Q90)  
130                  Edward's syndrome (Q91.0-Q91.3)  
131                  Patau's syndrome (Q91.4-Q91.7)  
132                  Other congenital malformations and deformations (Q10-Q18,Q86-Q89)  
133                  Other chromosomal abnormalities, not elsewhere classified (Q92-Q99)  
134      1          Symptoms, signs and abnormal clinical and laboratory findings, not  
                                elsewhere classified (R00-R99)  
135                  Sudden infant death syndrome (R95)  
136                  Other symptoms, signs and abnormal clinical and laboratory findings,  
                                not elsewhere classified (R00-R53,R55-R94,R96-R99)  
137                  All other diseases (Residual) (F01-F99,H00-H57,L00-M99)  
138      1          External causes of mortality (\*U01,V01-Y84)  
139      1          Accidents (unintentional injuries) (V01-X59)  
140      1          Transport accidents (V01-V99)  
141                  Motor vehicle accidents(V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2,  
  V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1,V82.0-V82.1,V83-V86,  
  V87.0-V87.8,V88.0-V88.8,V89.0,V89.2)  
142                  Other and unspecified transport accidents  
                                (V01,V05-V06,V09.1,V09.3-V09.9,V10-V11,V15-V18,V19.3,  
  V19.8-V19.9,V80.0-V80.2,V80.6-V80.9,V81.2-V81.9,V82.2-V82.9,  
  V87.9,V88.9,V89.1,V89.3,V89.9,V90-V99)  
143                  Falls (W00-W19)  
144                  Accidental discharge of firearms (W32-W34)  
145                  Accidental drowning and submersion (W65-W74)  
146                  Accidental suffocation and strangulation in bed (W75)  
147                  Other accidental suffocation and strangulation (W76-W77,W81-W84)

ST: 1 = Subtotal      Limited: Sex: 1 = Males; 2 = Females  
Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over  
4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

130      S Limited

Recode T Sex Age Cause Title and ICD-10 Codes Included

148			Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80)
149			Accidents caused by exposure to smoke, fire and flames (X00-X09)
150			Accidental poisoning and exposure to noxious substances (X40-X49)
151			Other and unspecified accidents (W20-W31,W35-W64,W85-W99,X10-X39,X50-X59)
152	1		Assault (homicide) (*U01,X85-Y09)
153			Assault (homicide) by hanging, strangulation and suffocation (X91)
154			Assault (homicide) by discharge of firearms (*U01.4,X93-X95)
155			Neglect, abandonment and other maltreatment syndromes (Y06-Y07)
156			Assault (homicide) by other and unspecified means (*U01.0-*U01.3,*U01.5-*U01.9,X85-X90,X92,X96-X99,Y00-Y05,Y08-Y09)
157			Complications of medical and surgical care (Y40-Y84)
158			Other external causes (X60-X84,Y10-Y36)

ST: 1 = Subtotal      Limited: Sex: 1 = Males; 2 = Females  
Age: 1 = 5 and over; 2 = 10-54; 3 = 28 days and over  
4 = Under 1 year; 5 = 1-4 years; 6 = 1 year and over

\*\*\*\*\* Cause Subtotals are not identified in this file \*\*\*\*\*

39 Recode	S T	Limited Sex Age	Cause Title and ICD-10 Codes Included
001			Tuberculosis (A16-A19)
002			Syphilis (A50-A53)
003			Human immunodeficiency virus (HIV) disease (B20-B24)
004	1		Malignant neoplasms (C00-C97)
005			Malignant neoplasm of stomach (C16)
006			Malignant neoplasms of colon, rectum and anus (C18-C21)
007			Malignant neoplasm of pancreas (C25)
008			Malignant neoplasms of trachea, bronchus and lung (C33-C34)
009			Malignant neoplasm of breast (C50)
010	2		Malignant neoplasms of cervix uteri, corpus uteri and ovary (C53-C56)
011	1		Malignant neoplasm of prostate (C61)
012			Malignant neoplasms of urinary tract (C64-C68)
013			Non-Hodgkin's lymphoma (C82-C85)
014			Leukemia (C91-C95)
015			Other malignant neoplasms (C00-C15,C17,C22-C24,C26-C32,C37-C49, C51-C52,C57-C60,C62-C63,C69-C81,C88,C90,C96-C97)
016	3		Diabetes mellitus (E10-E14)
017			Alzheimer's disease (G30)
018	1		Major cardiovascular diseases (I00-I78)
019	1		Diseases of heart (I00-I09,I11,I13,I20-I51)
020			Hypertensive heart disease with or without renal disease (I11,I13)
021			Ischemic heart diseases (I20-I25)
022			Other diseases of heart (I00-I09,I26-I51)
023			Essential (primary) hypertension and hypertensive renal disease (I10,I12)
024			Cerebrovascular diseases (I60-I69)
025			Atherosclerosis (I70)
026			Other diseases of circulatory system (I71-I78)
027			Influenza and pneumonia (J10-J18)
028			Chronic lower respiratory diseases (J40-J47)
029			Peptic ulcer (K25-K28)
030			Chronic liver disease and cirrhosis (K70,K73-K74)
031			Nephritis, nephrotic syndrome, and nephrosis (N00-N07,N17-N19,N25-N27)
032	2	2	Pregnancy, childbirth and the puerperium (O00-O99)
033			Certain conditions originating in the perinatal period (P00-P96)
034			Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
035	4		Sudden infant death syndrome (R95)
036			Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (excluding Sudden infant death syndrome) (R00-R94,R96-R99)
037			All other diseases (Residual) (A00-A09,A20-A49,A54-B19,B25-B99, D00-E07,E15-G25,G31-H93,I80-J06,J20-J39,J60-K22,K29-K66,K71-K72, K75-M99,N10-N15,N20-N23,N28-N98)
038			Motor vehicle accidents (V02-V04,V09.0,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1,V82.0-V82.1,V83-V86, V87.0-V87.8,V88.0-V88.8,V89.0,V89.2)
039			All other and unspecified accidents and adverse effects (V01,V05-V06,V09.1,V09.3-V09.9,V10-V11,V15-V18,V19.3,V19.8-V19.9, V80.0-V80.2,V80.6-V80.9,V81.2-V81.9,V82.2-V82.9,V87.9,V88.9,V89.1, V89.3,V89.9,V90-X59,Y40-Y86,Y88)
040	1		Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)
041			Assault (homicide) (*U01-*U02,X85-Y09,Y87.1)
042			All other external causes (Y10-Y36,Y87.2,Y89)

**TECHNICAL APPENDIX FROM**

**VITAL STATISTICS OF  
UNITED STATES**

**1999**

**MORTALITY**

**U.S. DEPARTMENT OF  
HEALTH AND HUMAN SERVICES**

**PUBLIC HEALTH SERVICE**

**CENTERS FOR DISEASE CONTROL AND PREVENTION  
NATIONAL CENTER FOR HEALTH STATISTICS**

**Hyattsville, Maryland: October, 2004**

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

## ACKNOWLEDGMENTS

The technical appendix preparation was coordinated by Sherry L. Murphy in the Division of Vital Statistics under the general direction of Harry M. Rosenberg, Special Assistant for International Mortality Statistics. The vital statistics computer files on which it is based were prepared by staff from the Division of Vital Statistics, Division of Data Processing, Division of Data Services, and the Office of Research and Methodology.

The Division of Vital Statistics, Mary Anne Freedman, Director, and James A. Weed, Deputy Director, managed the Vital Statistics Cooperative Program, through which the vital registration offices of all States, the District of Columbia, New York City, Puerto Rico, Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands provided the data to the National Center for Health Statistics. This Division also received and processed the basic data file, processed computer edits, designed and programmed the tabulations, reviewed the data, and prepared documentation for this publication. The following staff provided overall direction: Ronald F. Chamblee, George A. Gay, Donna E. Glenn, Nicholas F. Pace, and Harry M. Rosenberg. Important contributors were Tyinga L. Ambrose, Robert N. Anderson, Rosalyn R. Anderson, Elizabeth Arias, Judy M. Barnes, Joyce L. Bius, Brenda L. Brown, Frances E. Carter, Shirley Carter, Faye Cavalchire, Celia Dickens, Linda P. Currin, Thomas D. Dunn, Brenda A. Green, Connie M. Gentry, Lillian M. Guettler, James Herndon, Donna L. Hoyert, Christina K. Jarman, Millie B. Johnson, David W. Justice, Virginia J. Justice, Kenneth D. Kochanek, Julia L. Kowaleski, Mary Susan Lippincott, Denise Little, Jeffrey D. Maurer, Susan L. McBroom, Arialdi M. Minino; Sherry L. Murphy, Gail A. Parr, Rodney Pierson, Tanya Pitts, Seth J. Preslar, Barbara Porterfield, Phyllis Powell-Hobgood, Julia E. Raynor, Adrienne L. Rouse, Charles E. Royer, Jordan Sacks, Eldora Smith, Pamela A. Stephenson, Leslie J. Stewart, Betsy B. Thompson, George C. Tolson, Mary M. Trotter, Teresa M. Watkins, Faye L. Webster, Francine D. Winter, Mary Whitley, Dora B. Wilkerson, Cynthia Williams, and James G. Williams.

The Office of Research and Methodology was responsible for the application of mathematical statistics methods to the development and implementation of quality assurance procedures. Important contributions in this area were made by Van L. Parsons.

The National Center for Health Statistics acknowledges the essential role of the vital registration offices of all States and territories in maintaining the system through which vital statistics data are obtained and for their cooperation in providing the information on which this publication is based.

A copy of the technical appendix may be obtained by contacting the National Center for Health Statistics, Mortality Statistics Branch at 301-458-4666.



**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

For a list of reports published by the National Center for Health Statistics contact:

Mortality Statistics Branch  
National Center for Health Statistics  
Centers for Disease Control and Prevention  
Public Health Service  
3311 Toledo Road, Room 7318  
Hyattsville, MD 20782  
(301) 458-4666  
Internet: <http://www.cdc.gov/nchs/>

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Sources of data .....	1
Mortality statistics .....	1
Standard certificate .....	3
History .....	3
Classification of data .....	4
Classification by occurrence and residence .....	4
Geographic classification .....	4
State or country of birth .....	5
Age .....	5
Race .....	5
Hispanic deaths .....	7
Marital status .....	8
Educational attainment .....	9
Injury at work .....	10
Occupation and industry .....	10
Place of death and status of decedent .....	11
Mortality by month and date of death .....	11
Report of autopsy .....	12
Cause of death .....	12
Codes for firearm deaths .....	20
Codes for drug-induced deaths .....	20
Codes for alcohol-induced deaths .....	20
Maternal deaths .....	21
Infant deaths .....	21
Quality of data .....	23
Completeness of registration .....	23
Quality control procedures .....	23
Computation of rates and other measures .....	24
Population bases .....	24
Net census undercount .....	26
Age-adjusted death rates .....	27
Life tables .....	30
Causes of death contributing to changes in life expectancy .....	31
Random variation and sampling errors .....	31
Statistical tests .....	38
References .....	40

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

**Figures**

1. U.S. Standard Certificate of Death ..... 44

**Text tables**

A. Percent agreement between number of deaths from death certificates and from census and Current Population Survey files, by race and Hispanic origin, and ratio of number of deaths: 1960 census and the National Longitudinal Mortality Study ..... 45

B. Reported age-adjusted death rates and rates adjusted for reporting bias and undercoverage, by race and Hispanic origin: United States, 1999..... 46

C. Number of States whose Hispanic data was considered of sufficient quality for analysis and publication by NCHS and estimated percent of U.S. Hispanic population residing in reporting States, 1984-1997 ..... 47

D. Year in which State began reporting Hispanic data and year in which data reached level of acceptable quality and completeness for analysis by NCHS: Each State..... 48

E. Comparable category codes and estimated comparability ratios for 113 selected causes of death, injury by firearms, drug-induced deaths and alcohol-induced deaths according to the Ninth and Tenth Revisions, *International Classification of Diseases* ..... 50

F. Comparable category codes and estimated comparability ratios for 130 selected causes of infant death according to the Ninth and Tenth Revisions, *International Classification of Diseases* ..... 55

G. Infant mortality rates by race of infant from the death certificate and by race of mother from the birth certificate, and ratio of rates, 1995-96 ..... 61

H. Infant mortality rates by Hispanic origin of infant from the death certificate and by race of mother from the birth certificate, and ratio of rates, 1996 ..... 62

I. Population of birth- and death-registration States, 1900-1932, and United States, 1900-99 ..... 63

J. Source for resident population and population including Armed Forces abroad: Birth- and death-registration States, 1900-32, and United States, 1933-99..... 65

K. Estimated population of the United States, by 5-year age groups, race, and sex: July 1, 1999 ..... 66

L. Estimated Population, by age, for the United States, each division and State, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas: July 1, 1999..... 67

M. Estimated population by 5-year age groups, specified Hispanic origin, race for non-Hispanic origin, and sex: United States, July 1, 1999..... 69

N. Estimated population for ages 15 years and over, by 5-year age groups, marital status, race and sex: United States, 1999 ..... 71

O. Estimated population for ages 15 years and over, by 5-year age groups, marital status, specified Hispanic origin, race for non-Hispanic origin, and sex: United States, July 1, 1999 ..... 74

P. Estimated population for ages 25-64 years, by 10-year age groups, educational attainment, race and sex: Total of 46 reporting States and the District of Columbia, July 1, 1999 ..... 78

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Q.	Ratio of census-level resident population to resident population adjusted for estimated net census undercount by age, sex, and race: April 1, 1990 .....	80
R.	Age-adjusted death rates for selected causes by race and sex, unadjusted and adjusted for estimated net census undercount: United States, 1990 .....	82
S.	Lower and upper 95% and 96% confidence limit factors for a death rate based on a Poisson variable of 1 through 99 deaths, $D$ or $D_{adj}$ .....	83

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

## Sources of data

### Mortality statistics

Mortality statistics for 1999 are, as for all previous years except 1972, based on information from records of all deaths occurring in the United States.

The death-registration system of the United States encompasses 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 Commonwealth of the Northern Mariana Islands (Northern Marianas). In statistical tabulations, United States refers only to the aggregate of the 50 States (including New York City) and the District of Columbia. Data for Guam, Puerto Rico, Virgin Islands, American Samoa, and Northern Marianas are presented separately from data for the United States.

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 regularly shown in *Vital Statistics of the United States* from the year of their admission through 1971 except for the years 1967-69, and tabulations for Guam were included for 1970 and 1971. Death statistics for Puerto Rico, the Virgin Islands, and Guam were not included in *Vital Statistics of the United States* for 1972 but have been included each year since 1973. 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. Death statistics are available for American Samoa beginning with data year 1997 and for Northern Marianas beginning with data year 1998.

Procedures used by NCHS to collect death statistics have changed over the years. Before 1971 tabulations of 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 have provided NCHS, via the Vital Statistics Cooperative Program (VSCP), with electronic files of data coded according to NCHS specifications. The year in which State-coded demographic data were first transmitted in electronic data files to NCHS is shown below for each of the States, New York City, the District of Columbia, Puerto Rico, and the Virgin Islands, all of which now furnish demographic or nonmedical data in electronic data files.

1971	1972	1973
Florida	Maine	Colorado
	Missouri	Michigan
	New Hampshire	New York (except New York City)
	Rhode Island	
	Vermont	
1974	1975	1976
Illinois	Louisiana	Alabama
Iowa	Maryland	Kentucky
Kansas	North Carolina	Minnesota
Montana	Oklahoma	Nevada
Nebraska	Tennessee	Texas
Oregon	Virginia	West Virginia
South Carolina	Wisconsin	

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

1977  
 Alaska  
 Idaho  
 Massachusetts  
 New York City  
 Ohio  
 Puerto Rico

1978  
 Indiana  
 Utah  
 Washington

1979  
 Connecticut  
 Hawaii  
 Mississippi  
 New Jersey  
 Pennsylvania  
 Wyoming

1980  
 Arkansas  
 New Mexico  
 South Dakota

1982  
 North Dakota

1985  
 Arizona  
 California  
 Delaware  
 Georgia  
 District of Columbia

1994  
 Virgin Islands

For Guam, American Samoa, and Northern Marianas, mortality statistics are based on information obtained directly by NCHS from copies of the original certificates received from the registration office of each respective territory.

In 1974 States began coding medical (cause-of-death) data in electronic data files according to NCHS specifications. The year in which State-coded medical data were first transmitted to NCHS is shown below for the 43 States now furnishing such data. In 1999 Maine and Montana contracted with a private company to provide precoded medical data to NCHS. The remaining 7 VSCP States, New York City, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, American Samoa, and Northern Marianas submitted copies of the original certificates from which NCHS coded the medical data.

1974  
 Iowa  
 Michigan

1975  
 Louisiana  
 Nebraska  
 North Carolina  
 Virginia  
 Wisconsin

1980  
 Colorado  
 Kansas  
 Massachusetts  
 Mississippi  
 New Hampshire  
 Pennsylvania  
 South Carolina

1981  
 Maine

1983  
 Minnesota

1984  
 Maryland  
 New York (except New York City)  
 Vermont

1986  
 California  
 Florida  
 Texas

1988  
 Alaska  
 Delaware  
 Idaho  
 North Dakota  
 Wyoming

1989  
 Georgia  
 Indiana  
 Washington

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999  
TECHNICAL APPENDIX**

1991  
Arkansas

1992  
Montana

1993  
Alabama  
Connecticut  
Hawaii  
Nevada  
Oregon  
South Dakota

1994  
Oklahoma  
Rhode Island

1995  
New Mexico

1996  
Utah

1998  
Tennessee

For 1999 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 with medical data coded according to NCHS specifications. 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. The sample resulted from personnel and budgetary restrictions. Sampling variation associated with the 50-percent sample is described in "Estimates of errors arising from 50-percent sample for 1972" under "Quality control procedures."

### **Standard certificate**

For many years, the U.S. Standard Certificate of Death, issued by the Department of Health and Human Services, has been used as the principal means to attain uniformity in the contents of documents used to collect information on these events. It has been modified by each State to the extent required by the particular needs of the State or by special provisions of State vital statistics laws. However, the certificates 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 NCHS and its predecessors 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.

The current version of the U.S. Standard Certificate of Death was recommended for State use beginning on January 1, 1989. The U.S. Standard Certificate of Death is shown in figure 1 on page 44 (1).

### **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 deaths. Originally, this area consisted of Massachusetts, New Jersey, the District of Columbia, and several large cities that had efficient systems for death registration. The death-registration area continued to expand until 1933, when it included for the first time 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

## VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999 TECHNICAL APPENDIX

history of the death-registration area, see *U.S. Vital Statistics System: Major Activities and Developments, 1950-95* (2).

### Classification of data

Vital statistics data is presented in terms of both frequencies and rates which are classified according to demographic variables such as geographic area, age, sex, and race. Since the calculation of rates requires population data, both vital statistics and population data must be classified and tabulated in comparable groups. The general rules used in the classification of geographic and personal items for deaths for 1999 are set forth in the NCHS instruction manual, Part 4 (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 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 States and the District of Columbia, with deaths of nonresidents assigned to place of death. Then beginning in 1970, deaths of nonresidents of the United States were excluded from resident mortality data for the United States.

For 1999, deaths of nonresidents for the United States (50 States and the District of Columbia) refers to deaths that occur in the 50 States and the District of Columbia of nonresident aliens; nationals residing abroad; and residents of Puerto Rico, the Virgin Islands, Guam, American Samoa, Northern Marianas, and other territories of the United States. Similarly, for Puerto Rico, Virgin Islands, American Samoa, and Northern Marianas, deaths of nonresidents refers to deaths that occurred to a resident of any place other than Puerto Rico, Virgin Islands, American Samoa, and Northern Marianas, respectively. For Guam, however, deaths of nonresidents refers to deaths that occurred to a resident of any place other than Guam or the United States. Beginning with 1970, deaths of nonresidents are not included in tables by place of residence. If place of residence is not stated or unknown on the death certificate, then place of residence is assigned to the place where the death occurred.

Deaths by place of occurrence, on the other hand, include deaths of both 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 1999 this difference amounted to 3,472 deaths.

Before 1970, except for 1964 and 1965, deaths of nonresidents of the United States occurring in the United States were treated as deaths of residents of the exact place of occurrence, which in most instances was an urban area. 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 that 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 recent review of infant mortality rates for major urban areas suggests that the problem of residence error persists in vital statistics data despite the presence of an item on the U.S. Standard certificates of birth and death that asks whether residence was inside or outside city limits. Full resolution of this problem may require the application of automated systems for assigning addresses to geopolitical units.

### Geographic classification

The rules followed in the classification of geographic areas for deaths are contained in NCHS instruction manual, Part 4 (3). The geographic codes assigned by NCHS on birth and death records are given in NCHS instruction manual Part 8 (5). Beginning with 1994 data, the geographic codes were modified to reflect results of the 1990 census. For 1982-93 codes are based on the results of the 1980 census and for 1970-81 on the 1970 census.

*Metropolitan statistical areas*--The Metropolitan statistical areas (MSA's) and Primary metropolitan statistical areas (PMSA's) are those established by the U.S. Office of Management and Budget as of April 1, 1990, and used by the U.S. Bureau of the Census (6), except in the New England States.

Outside the New England States, an MSA has either a city with a population of at least 50,000 or a U.S. Bureau of the Census urbanized area of at least 50,000 and a total MSA population of at least 100,000. A PMSA consists of a



## VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999 TECHNICAL APPENDIX

large urbanized county or cluster of counties that demonstrate very strong internal economic and social links and has a population over one million. When PMSA's are defined, the larger area of which they are component parts is designated a Consolidated Metropolitan Statistical Area (CMSA) (7).

In the New England States, the U.S. Office of Management and Budget uses towns and cities rather than counties as geographic components of MSA's and PMSA's. However, NCHS cannot use this 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).

*Metropolitan and nonmetropolitan counties*--Independent cities and counties included in MSA's and PMSA's or in NECMA's are included in data for metropolitan counties; all other counties are classified as nonmetropolitan.

*Population-size groups*--Beginning with the 1994 data year, vital statistics data for cities and certain other urban places were classified according to the population enumerated in the 1990 Census of Population. Data are available for individual cities and other urban places of 10,000 or more population. As a result of changes in the enumerated population between 1980 and 1990, some urban places are no longer identified separately and other urban places have been added. Data for the remaining areas not separately identified appear under the heading "balance of area" or "balance of county." For the years 1982-93 classification of areas was determined by the population enumerated in the 1980 Census of Population and for the years 1970-81 in the 1970 Census of Population.

Urban places other than incorporated cities include the following:

- Each town in New England, 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. (There are no incorporated cities in the State.)

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

### State or country of birth

Mortality statistics by State or country of birth became available beginning with 1979. State or country of birth of a decedent is assigned to 1 of the 50 States or the District of Columbia; or to Puerto Rico, the Virgin Islands, Guam, American Samoa, or Northern Marianas--if specified on the death certificate. The place of birth is also 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 of all deaths in 1999, about 0.6 percent.

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 again published in annual reports for 1939-41 and for 1950.

### Age

The age recorded on the death certificate is the age at last birthday, the same as the age classification used by the U.S. Bureau of the Census. For 1999 data, 356 resident death records (0.01 percent) contained not-stated age. 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 among age categories.

### Race

For vital statistics in the United States in 1999, deaths are classified by race--white, black, American Indian, Chinese, Hawaiian, Japanese, Filipino, and Other Asian or Pacific Islander. Beginning with 1992 data, an expanded code structure was used for seven States--California, Hawaii, Illinois, New Jersey, New York, Texas, and Washington--showing five additional Asian or Pacific Islander groups. These groups are Asian Indian, Korean, Samoan, Vietnamese, and Guamanian. In 1990, at least two-thirds of the U.S. population of each of these groups lived

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

in this seven-State reporting area: Asian Indian, Korean, and Vietnamese, 63-66 percent; Guamanian, 74 percent; and Samoan, 84 percent (9). Minnesota was added to the list of States reporting expanded race codes in 1995, and Missouri and West Virginia were added in 1999. This additional race detail is available on the mortality public-use data set (10). Beginning with 1992 data, all records coded to "Other races" (0.02 percent of the total deaths in 1999) were assigned to the specified race of the previous record rather than to a separate category called "Other races." 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 in the race item on the death certificate as Hispanic, Mexican, Puerto Rican, Cuban, and all other Caucasians. The American Indian category includes North, Central, and South American Indian, 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 a mixture of races is given (except Hawaiian), the entry is coded to the first race listed. This procedure has been used since 1990. From 1969 through 1989, if the race was given as a mixture of white and any other race, the entry was coded to the appropriate nonwhite race. If a mixture of races other than white was given (except Hawaiian), the entry was coded to the first race listed. Before 1969 if the entry for race was a mixture of black and any other race except Hawaiian, the entry was coded to black.

*Multi-racial*--Death certificates for some States have a checkbox for multi-racial. Some States are mandated by law to code multi-racial as a separate category. For these States, death records with an entry of multi-racial but without a specified racial entry or entries were assigned to the specified race of the previous record. States not mandated to code multi-racial may code multi-racial in the same way as mandated States or may code multi-racial to "Other entries." For death records where race is coded to "Other entries", if origin is Hispanic and the place of birth is Puerto Rico, Cuba or Mexico, the race is assigned as White. Otherwise, except for Puerto Rico, death records with race coded to "Other entries" were assigned to the specified race of the previous record with known race. For Puerto Rico, if race is coded to "Other entries", race is assigned to "Other races."

*Race not stated*--For 1999 the number of death records for which race was unknown, not stated, or not classifiable was 2,818 or 0.1 percent of the total deaths. Beginning in 1992 death records with race not stated were assigned to the specified race of the previous record with known race. From 1965 to 1991 death records with race entry not stated were assigned to a racial designation as follows: If the preceding record was coded white, the code assignment was made to white; if the code was other than white, the assignment was 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 and death 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 1962-64 are described in the Technical Appendix of *Vital Statistics of the United States* for each of those data years.

*Quality of race data*--A number of studies have been conducted on the reliability of race reported on the death certificate. These studies compare race reported on the death certificate with that reported on another data collection instrument such as the census or a survey. Race information on the death certificate is reported by the funeral director as provided by an informant, often the surviving next of kin, or, in the absence of an informant, on the basis of observation. In contrast, race on the census or the Current Population Survey (CPS) is obtained while the individual is still alive and is self-reported or reported by a member of the household familiar with the individual and, therefore, may be considered more valid. A high level of agreement between the death certificate and the census or survey report is essential to ensure unbiased death rates by race.

In one study a sample of approximately 340,000 death certificates was compared with census records for a 4-month period in 1960 (11). Percent agreement was 99.8 percent for white decedents, and 98.2 percent for black decedents; but less for the smaller minority groups (table A); the net difference in the number of deaths between the census records and death certificates can be expressed as a ratio of the census to the death certificate. A ratio of 1.00 for both white and black decedents (table A) indicates that the number of deaths for these race groups was essentially the same for these two sources.

In another study, the National Longitudinal Mortality Study (NLMS), a total of 59,000 death certificates were compared with responses to the race questions from a total of 9 CPS's conducted by the U.S. Bureau of the Census for the years 1979-89 (12). The NLMS ratio of CPS deaths to death certificate deaths for white and black decedents was 1.00 as in the earlier study; however, the ratio for American Indian was 1.37 indicating that 37 percent more

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

decedents were identified as American Indian in the CPS as compared to the death certificate. The ratio for Asians was 1.13 (table A).

Problems of validity and reliability of race-reporting can also arise from errors in population counts and estimates that comprise the denominator of death rates. Based on the 1990 Post-Enumeration Survey (13), net census undercount ratios may be computed. The census undercount ratio is based on the ratio of the 1990 resident census-level population to the resident population adjusted for the census undercount. A ratio of less than 1.00 indicates a net census undercount. The undercount ratios for non-Hispanic white and Other was 0.99; for the black population, 0.95; for the Asian or Pacific Islander population, 0.98; and the American Indian population, 0.88 (12).

Generally, misclassification in the numerator data (deaths), taken alone, results in death rates that are too small. In contrast, the undercoverage problem in the denominator data (population) tends to have the opposite effect: it biases rates upward. Thus biases from misclassification of race in the numerator and denominator work in opposite directions, one tending to deflate rates, the other to inflate them. Consequently, a comprehensive estimate of death rates by race should take into account the offsetting reporting biases in the numerator and denominator. The approximate effects of reporting bias and undercoverage for the race groups may be estimated by multiplying the NLMS ratio by the census undercount ratio forming a "combined ratio." The approximate "combined ratio" for the white population was 0.99 (1.00 x 0.99); for the black population, 0.95 (1.00 x 0.95); for the American Indian population, 1.21 (1.37 x 0.88); and for the Asian or Pacific Islander population, 1.11 (1.13 x 0.98). Multiplying a death rate by the "combined ratio" produces an estimated rate that takes into account both reporting bias and undercoverage (table B) (12).

In 1986 the National Mortality Followback Survey, conducted by NCHS, listed a question about the race of decedents 25 years old and over. The total sample was 18,733 decedents (14). The rates of agreement were similar to those observed in the other studies.

All of these studies show that persons self-reported as American Indian or Asian on census and survey records (and by informants in the Followback Survey) were sometimes reported as white on the death certificate. The net effect of misclassification is an underestimation of deaths and death rates for races other than white and black.

## **Hispanic deaths**

Mortality statistics for the Hispanic population are based on information for the entire United States. Data year 1997 was the first year that mortality data for the Hispanic population were available for all 50 States and the District of Columbia.

Hispanic mortality data were collected from reporting States and published by NCHS for the first time in 1984. The number of reporting States increased over time as did the quality of reporting. The number of States whose Hispanic data was considered of sufficient quality for analysis and publication by NCHS is shown by year from 1984-1999 in table C. Also shown in table C is the estimated percent of the Hispanic population in the United States accounted for by the reporting States for each year from 1984 to 1999. Table D shows the years in which Hispanic origin information was first collected from a State and the year the data was considered to be of sufficiently good quality for analysis and publication. From 1984-1991, Hispanic origin data was considered to be of good quality for use in analysis if it was sufficiently comparable across States and was at least 90 percent complete on a place-of-occurrence basis. In 1992, the criterion was changed to 80 percent complete on a place-of-occurrence basis. In 1984, the percent of deaths for which Hispanic origin was missing or unknown varied widely among reporting States, ranging from less than one percent in Hawaii to 34.8 percent in Tennessee. Over time the completeness of mortality data by Hispanic origin has increased dramatically. In 1999, the percent varied little by State, and was low for all States, the District of Columbia, and New York City, ranging from zero percent in seven States (Idaho, Iowa, Maryland, Oklahoma, South Dakota, West Virginia, and Wisconsin) to 3.0 percent in North Dakota and 3.5 percent in New York City.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Generally, reporting States have 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, Hmong, etc., (*specify*)

*Death rates* --Death rates for the total Hispanic population and race for non-Hispanic origin utilize demographically-derived population estimates produced by the Bureau of the Census (15). These estimates are based on 1990 census level counts; however, revised populations for 1999 that are consistent with the 2000 census levels are available on the NCHS website at <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

Population estimates for Mexicans, Puerto Ricans, Cubans, and Other Hispanics are based in part on the Current Population Survey and have not been revised (16). Rates using the Current Population Survey are subject to sampling variation as well as random variation (see "Random variation and sampling errors").

In 1990 and 1991, data for New York City were excluded because of the large proportion of deaths (in excess of 10 percent) occurring in New York City for which Hispanic origin was not stated or was unknown. Because New York City accounts for about a third of the deaths to Puerto Ricans, the resulting mortality data was not comparable with previous years. In 1994 New York City instituted the use of a revised death certificate where the race and ethnic items were to be completed by the funeral director. Previously these items were completed by the physician or medical examiner. From 1994-99, only 3-4 percent of the deaths occurring annually in New York City were coded to Unknown origin; whereas 23 percent were coded to Unknown origin in 1993. Between 1993 and 1994 the number of deaths occurring in New York City decreased 69 percent for Other and unknown Hispanic and 83 percent for Unknown origin. As a result of increased specificity in reporting ethnic origin, the number of deaths increased substantially in 1994 for Non-Hispanic and for each of the specified Hispanic subgroups.

*Quality of data on Hispanic deaths*--The NLMS examined the reliability of Hispanic origin reported on 43,520 death certificates with that reported on a total of 12 CPS's conducted by the U.S. Bureau of the Census for the years 1979-85 (17). The NLMS ratio of deaths for CPS's divided by deaths for death certificate was 1.07 indicating net underreporting of Hispanic origin on death certificates as compared with self-reports on the surveys of 7 percent (table A). The NLMS ratios for specified Hispanic groups are shown in table A.

Problems of validity and reliability of Hispanic origin-reporting can also arise from errors in population counts and estimates that comprise the denominator of death rates. Based on the 1990 Post-Enumeration Survey, the undercount ratio for the total Hispanic population was 0.95 (13).

As was the case for race-reporting, a comprehensive estimate of death rates by Hispanic origin should take into account the offsetting reporting biases in the numerator and denominator. The approximate effects of reporting bias and undercoverage for the total Hispanic population may be estimated by multiplying the NLMS ratio by the census undercount ratio forming a "combined ratio." The approximate "combined ratio" for the total Hispanic population was 1.02 (1.07 x 0.95). Multiplying a death rate by the "combined ratio" produces an estimated rate that takes into account both reporting bias and undercoverage (table B) (12).

## **Marital status**

Mortality statistics by marital status have been published annually since 1979. They were previously published in *Vital Statistics of the United States* for 1949-51 and 1959-61. Mortality data by marital status is generally of high quality. A study of death certificate data using the 1986 National Mortality Followback Survey showed a high level of consistency in reporting marital status (14). Several earlier reports analyzing mortality by marital status have also been published, including the special study based on 1959-61 data (18). Reference to other 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. Deaths for which the marriage is specified as being annulled are classified as never married. Marital status specified

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

as separated or common-law marriage is classified as married. Of the 2,350,262 resident deaths 15 years of age and over in 1999, 9463 certificates (0.4 percent) had marital status not stated.

*Death rates* -- Death rates for marital status use population estimates produced by the Bureau of the Census based on the Current Population Survey (16). Because these population estimates are subject to sampling variation, death rates based on them are subject to both sampling variation as well as random variation (see "Random variation and sampling errors").

### **Educational attainment**

Deaths by educational attainment have been included on the public use data sets since 1989. These data were obtained from information reported on the death certificate using the following item:

- DECEDENT'S EDUCATION (*Specify only highest grade completed*)  
Elementary/Secondary (0-12)  
College (1-4 or 5+)

It is recommended for 1999 that analyses of educational attainment data include deaths to residents of 46 States and the District of Columbia whose data were approximately 80 percent or more complete on a place-of-occurrence basis. Although data for Kentucky are included on the data set, they would be excluded from analyses because more than 20 percent of their death certificates were classified to "unknown educational attainment." Data for Georgia, Rhode Island, and South Dakota are excluded from the data set because their death certificates did not include an educational attainment item.

Death rates for educational attainment are based on population estimates derived from the U.S. Bureau of the Census' Current Population Survey (CPS) and adjusted to resident population control totals. As a result, the rates are subject to the variability of the denominator as well as the numerator. For a discussion concerning computing the relative standard errors, 95-percent confidence intervals, and statistical tests, refer to the Technical notes of the National Vital Statistics Reports (19).

Death rates for educational attainment may be biased for the following reasons: 1) inconsistencies in reporting between the death certificates and the CPS for decedents; 2) changes in the basic item used to collect data about education in the CPS; and 3) possible under-enumeration of the population estimates by educational attainment (there have been no studies evaluating this potential bias).

In the National Longitudinal Mortality Survey (NLMS) a total of 9,257 death certificates were compared with responses to educational attainment questions from a total of 12 CPS's conducted by the U.S. Bureau of the Census for data year 1989 (20). Based on the results of this study and after proportionally allocating the "unknown education" on the death certificate, the ratio of CPS deaths having reported less than a high school education (grades 0-11) to death certificate deaths having reported less than high school education was about 1.37. This indicates that the number of deaths and death rates for decedents having less than high school education are biased downward in the vital statistics data by about 37 percent. Similarly, the corresponding ratios for having completed high school (grade 12) and having completed more than high school (grades 13 and more) are 0.70 and 0.87 respectively.

In the CPS, the item used to collect education information was changed in 1992 from:

23a) What is the highest grade or year of regular school ... has ever attended?;

23b) Did ... complete that grade (year?); Yes, No

to:

23) What is the highest level of school ... has completed or the highest degree ... has received?

Based on a Bureau of the Census study (21), the ratio of population estimates derived from the "old" educational attainment definition for less than a high school education (grades 0-11) to population estimates derived from the "new" definition for less than high school education was about 0.99. This indicates that the death rates for decedents having less than high school education are biased upward in the vital statistics data by about 1 percent. Similarly, the

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

corresponding ratios for having completed high school (grade 12) and having completed more than high school (grades 13 and more) were 1.15 and 0.93 respectively.

Accounting for both the inconsistency in reporting between the death certificates and the CPS for decedents and the change in the definition of education population estimates may be accomplished simultaneously by combining the above ratios. The combined ratio for less than high school is about 1.36 (1.37 x .99), for high school about 0.81 (0.70 x 1.15), and for more than high school about 0.81 (0.87 x .93). These ratios may vary by age, sex, race/Hispanic origin, cause of death, and geographic area.

### **Injury at work**

Deaths for "Injury at work" were included on the 1993 public-use data sets for the first time. These data were obtained from the following item that appears on the U.S. Standard Certificate of Death:

- INJURY AT WORK?  
(Yes or no)

All States have this item on their death certificates.

### **Occupation and industry**

Deaths by occupation and industry are included on the 1999 public-use data sets and CD-ROM. These data have been included since 1985 and were obtained from the following items that appear on the U.S. Standard Certificate of Death:

- DECEDENT'S USUAL OCCUPATION  
(Give kind of work done during most of working life.  
Do not use retired.)
- KIND OF BUSINESS/INDUSTRY

For 1999, the occupation and industry mortality data were included for the following 18 reporting States:

Colorado	New Jersey
Georgia	New Mexico
Hawaii	North Carolina
Idaho	Rhode Island
Kansas	South Carolina
Kentucky	Utah
Nebraska	Vermont
Nevada	West Virginia
New Hampshire	Wisconsin

Data for 1993-99 were coded using the revised NCHS Part 19 instruction manual (22) and the Bureau of the Census 1990 occupation and industry titles and three-digit codes, which are shown in the 1990 Census of Population and Housing (23).

Occupation and industry mortality data for 1984-92 were based on the 1980 Bureau of the Census occupation and industry classifications. For a listing of the changes between the 1980 and the 1990 classification systems, see Appendix D of the NCHS Part 19 instruction manual (22).

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

In addition to the codes shown in the Bureau of the Census publication (23), the following special codes were created:

<u>Occupation</u>	<u>Industry</u>
913 Retired	961 Own Home/At Home
914 Housewife/ Homemaker	970 Retired
915 Student	990 Blank, Unknown, NA
916 Volunteer	
917 Unemployed, never worked, disabled, child, infant	
999 Blank, Unknown, NA	

### Place of death and status of decedent

Mortality statistics by type of place of death have been shown annually in *Vital Statistics of the United States* since 1979. Before that year they were published in 1958 (tables 1-30--1-32). In addition, mortality data also were available for the first time in 1979 for the status of decedent when death occurred in a hospital or medical center. The 1999 data were obtained from the following two items appearing on the revised U.S. Standard Certificate of Death (1):

- PLACE OF DEATH (*check only one*)

HOSPITAL:     Inpatient     ER/Outpatient     DOA

OTHER:         Nursing Home     Residence     Other (*specify*)

- FACILITY NAME (*If not institution, give street and number*)

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

All of the States (including New York City) and the District of Columbia have this item (or its equivalent) on their certificates. For all reporting States and the District of Columbia in the VSCP, NCHS accepts the State definition, classification, or code for hospitals, medical centers, nursing homes, or other institutions.

Effective with data for 1980, the coding of place of death and status of decedent was modified. A new coding category was added: "Dead on arrival--hospital, clinic, or medical center." Had the 1979 coding categories been used, these deaths would have been coded to "Place unknown."

*California*--For the first 5 months of data year 1989, California coded "Place of death" to "other" rather than "residence".

### Mortality by month and date of death

Deaths by month have been tabulated regularly and are available for each year since 1900. Deaths from selected causes by date of death have been published each year since 1972 and are available for 1962.

Numbers of deaths by date of death are produced for the total number of deaths and for the numbers of deaths for the following causes, for which the greatest interest in date of occurrence of death has been expressed: Motor vehicle accidents, Intentional self-harm (suicide), Assault (homicide), Influenza and pneumonia, Pedestrian involved in collision with motor vehicle, and Falls. (See NCHS websites <http://www.cdc.gov/nchs/products/pubs/pubd/vsus/vsus.htm> and <http://www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm#general>.)

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

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

### **Report of autopsy**

Beginning with the 1995 data year, mortality data on autopsy are no longer collected due to budgetary constraints.

### **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” (24).

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 conditions or more 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 1999, the cause-of-death statistics published by NCHS are classified according to the Tenth Revision of the *International Classification of Diseases (ICD-10)* (24).

Eight lists of causes have been developed by NCHS from ICD-10 for tabulation and publication of mortality data--the Each-Cause List, List of 358 Selected Causes of Death, List of 113 Selected Causes of Death, List of 130 Selected Causes of Infant Death, List of 39 Selected Causes of Death, List of 124 Selected Causes of Fetal Death, List of Motor Vehicle Accident Deaths, and List of Injury, Poisoning and Certain Other Consequences of External Causes. Seven of the lists are used for both underlying and multiple causes of death, and one for multiple causes of death only. These lists were designed to be as comparable as possible with the NCHS lists used under the Ninth Revision of the *International Classification of Diseases (ICD-9)* (25). The lists were developed to separately identify causes of death specified by the WHO in its recommended mortality tabulation lists; to the extent possible, to maintain continuity with past lists for historic continuity and to facilitate trend analysis; and to separately identify causes of death that are of public health and medical importance. With the exception of the Each-Cause List, these lists are published in the NCHS Instruction Manual, Part 9, ICD-10 Cause-of-Death Lists for Tabulating Mortality Statistics, Effective 1999 (26). The Each-Cause List is available in electronic form on the Internet at <http://www.cdc.gov/nchs/about/major/dvs/icd10des.htm> or upon request from NCHS.

The Each-Cause List is made up of each four-character alphanumeric code in ICD-10 that is to be used for underlying cause-of-death classification. This list is used for the tabulation of data for the entire United States, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas.

The List of 358 Selected Causes of Death contains, either directly or by combining titles, the 103 categories in the WHO Mortality Tabulation List 1 and the 80 categories in the WHO Mortality Tabulation List 2 (24). The List of 358 Selected Causes of Death is comparable to the List of 282 Selected Causes of Death in ICD-9.

The List of 113 Selected Causes of Death was, in part, constructed by combining titles in the List of 358 Selected Causes of Death. It is used for the general analysis of mortality and for ranking leading causes of death excluding infants (see “Cause-of-death ranking”). It is comparable to the List of 72 Selected Causes of Death in ICD-9. The figure in the name of the list refers to the number of mutually exclusive categories in the list. The 113-cause list contains a total of 135 cause-of-death categories, 113 of which are mutually exclusive.

The List of 130 Selected Causes of Infant Death shows more detailed titles for Certain conditions originating in the perinatal period and Congenital malformation, deformation and chromosomal abnormalities than any other list except the Each-Cause List. It is used for the analysis of infant mortality and for ranking leading causes of infant



**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

death (see "Cause-of-death ranking"). It is comparable to the List of 61 Selected Causes of Death in ICD-9. The 130-cause list contains a total of 158 cause-of-death categories, 130 of which are mutually exclusive.

The List of 39 Selected Causes of Death was created by combining titles in the List of 113 Selected Causes of Death. This list is used for tabulating data by detailed geographic area. It is comparable to the List of 34 Selected Causes of Death in ICD-9.

The newly-introduced List of 124 Selected Causes of Fetal Death is used to tabulate causes of fetal death. The structure of the list parallels that of the List of 130 Selected Causes of Infant Death.

A special List of Motor Vehicle Accident Deaths was developed out of necessity because the ICD-10 categories for motor vehicle accidents differ substantially from those in ICD-9. In ICD-9 the focus of the motor vehicle accident section was on the nature of the accident, whereas in ICD-10, the focus is on the victim and the type of vehicle involved in the accident. This list is designed to maximize comparability with ICD-9 lists for trend comparison.

The List of Injury, Poisoning and Certain Other Consequences of External Causes is used for tabulating the ICD-9 equivalent of Nature-of-Injury codes. It is derived from Chapter XIX of ICD-10, *Injury, Poisoning and Certain Other Consequences of External Causes*. These categories are used for tabulating multiple causes of death, NOT underlying cause of death. For Chapters I to XVIII and Chapter XX of ICD-10, the same tabulation lists are used for both underlying and multiple causes of death.

*Effect of ICD revisions* --The International Classification of Diseases (ICD), used in the United States since 1900, has been revised approximately every 10 years, with the exception of the Ninth Revision which was used for 20 years, so that disease classifications may be consistent with advances in medical science and with changes in diagnostic practice. Each revision of the ICD has produced some break in comparability of cause-of-death statistics. However, revisions are essential to stay current with advances in medical science and to ensure the international comparability of health statistics. For the first five revisions the continuity in the mortality trends is not considered a problem of great concern. Van Buren described some of the major shifts in the cause-of-death statistics up to the Fifth Revision (1938) due to changes in the classification of causes of death (27). Dunn and Shackley measured the change in mortality statistics by cause due to the Fifth Revision (28). This was done by coding mortality records for 1940 by the 1929 and 1938 revisions. The results of the study have been useful in evaluating the effects of the Fifth Revision and changes in the joint-cause selection procedure.

*Comparability*--Studies of the comparability between revisions of the ICD have been carried out and published at least since the Fifth Revision. Comparability studies -- also called bridge-coding studies -- involve dual classification of a single year of mortality data, i.e., classifying the underlying cause of death on mortality records by both the new revision and the previous revision (29). The key element of a comparability study is the comparability ratio, which is derived from the dual classification. It is calculated by dividing the number of deaths for a selected cause of death classified by the new revision by the number of deaths classified to the most nearly comparable cause of death by the previous revision. The resulting ratio represents the net effect of the new revision on statistics for this cause and can be used as a factor to adjust mortality statistics for causes of death classified by a previous revision to be comparable to those for the same cause classified by the new revision.

*Sixth Revision*--The Sixth Revision of the International Lists of Diseases and Causes of Death was adopted by the World Health Organization in July 1948 and used for mortality data in the United States from 1949 through 1957. This revision represented a more sweeping change than any previous revision. The classification scheme was expanded considerably to provide specific categories for nonfatal diseases and injuries to provide a classification which could be used for coding morbidity as well as mortality records.

In addition to the expanded scope of the Sixth Revision of the International Classification, there was a major change in the method of selection of the cause of death for primary tabulation. A large proportion of death certificates filed annually in the United States reports two or more diseases or conditions as causes of death. General statistical practice requires that cases involving more than one cause of death be assigned to a single cause, making it necessary to select the one cause to which the death will be assigned. The method of selection has an important effect upon the resulting statistics.

In 1948 the World Health Assembly adopted, along with the Sixth Revision of the International Lists, a form of medical certification and rules for classification of the underlying cause of death for international use. The form of medical certification in the Standard Certificate of Death was designed to facilitate the selection of the underlying cause of death when two or more causes were recorded. In general, if the certification was completed properly, the underlying cause of death entered by the physician was the cause to be tabulated. This procedure, used in the United

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

States beginning with deaths in 1949, differed markedly from that used in previous years. Formerly, definite priority relationships were set up for combinations of causes reported on the death certificate. The single cause to be tabulated was chosen according to these fixed rules.

*Comparability between the Sixth and Fifth Revision*--To maintain a time series of mortality rates for comparable causes, the International Conference for the Sixth Revision of the International Lists recommended that deaths for a country as a whole in 1949 and 1950 be coded according to both the Sixth and Fifth Revisions. In the United States, 1950 mortality data were used for the dual coding. The differences resulting from the use of the two revisions are expressed by a factor termed the comparability ratio. This is the number of deaths assigned to a particular cause under the Sixth Revision divided by the number of deaths assigned to that cause using the Fifth Revision. Results of the comparability study and comparability ratios are published in *Comparability of mortality statistics for the Fifth and Sixth Revisions, United States, 1950*, and *Comparability ratios based on mortality statistics for the Fifth and Sixth Revisions, United States, 1950* (30,31).

*Seventh Revision*--Changes in the Seventh Revision were held to a minimum because of the relatively short experience with the Sixth Revision. In compliance with a recommendation of the Expert Committee on Health Statistics, the changes were limited to essential ones and amendments of errors and inconsistencies. Provisions previously contained in an addendum (32) were integrated into the manual (33). Since these provisions had been used with the Sixth Revision, they did not represent classification changes. The only change made in three-digit categories consisted of rewording a few titles. In a few cases the rewording included redefining morbid conditions classifiable to these categories and transferring certain terms from one category to another. The three-digit categories which were affected are listed in section 1, volume I, of *Vital Statistics of the United States, 1958*. There were also a number of changes in four-digit subcategories, consisting mostly of the addition of subdivisions to provide more detailed classification of malignant neoplasms of specified sites. The three-digit categories for which there were additions, deletions, or changes in the four-digit subcategories are also listed in section 1 of the 1958 report.

The international rules for selecting the cause of death for primary mortality classification were recast for use with the Seventh Revision to simplify them and to organize them from the viewpoint of the coder making the cause-of-death assignment. The intent of the rules remains the same, that is, to code the cause which the medical certifier judged to be the underlying cause starting the train of events leading directly to death. In recasting the rules, some interpretations were modified--mainly those involving selection of the underlying cause for improperly completed certifications. In adapting coding procedures to reporting practices in the United States, some additional changes in interpretations were made.

In the majority of cases, application of the rules for the Sixth and Seventh Revisions resulted in the same code assignment. There were some differences in individual assignments affecting a number of categories. Many of these individual assignments were compensatory and resulted in no detectable discontinuity of trends for various causes of death; the comparability of a number of categories was affected to a limited extent.

*Comparability between the Seventh and Sixth Revisions*--To estimate the magnitude of the effect of the Seventh Revision upon the comparability of mortality trends for various causes, a 10-percent sample of deaths in 1958 was classified using both the Sixth and Seventh Revisions. The comparability ratios for selected causes and a discussion of the results of this study are published in "Comparability of Mortality Statistics for the Sixth and Seventh Revisions, United States, 1958" (34).

*Eighth Revision*--During the data years 1968-78 the cause-of-death statistics published by the National Center for Health Statistics were classified in accordance with the *Eighth Revision International Classification of Diseases, Adapted for Use in the United States* (ICDA) (35) which was based on the 1965 Revision of the International Classification of Diseases (ICD) (36). The ICDA gave greater detail and specificity in some categories than was provided by the Eighth Revision of the ICD. Complete correspondence between these two classifications was maintained at the three-digit level, but new four-digit subdivisions were created in various parts of the ICDA. Where necessary, existing four-digit subdivisions were renumbered to accommodate the additional subcategories in logical sequence. In the ICDA, subdivisions which did not correspond exactly with the ICD were identified by asterisks. In *Vital Statistics of the United States* for each of the years 1968-78 those four-digit subcategory numbers which differed from those in the ICD were also shown with asterisks.

The Eighth Revision contained major modifications in several sections of the mortality tabulation lists. Also, the international rules for selecting the underlying cause were simplified. In addition, changes were introduced in the special rules and decisions which adapted the coding procedures to reporting practices in the United States. The

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

important changes are summarized for each of these sections in the introduction to the ICDA, pages xxiv-xxviii. Following are some of the many changes made:

*Infective and parasitic diseases*--In the Seventh Revision, list titles for diarrheal conditions were scattered over several sections of the classification. In the Eighth Revision all the Seventh Revision subdivisions for these conditions, including those for infants, were brought together under one category, Diarrheal disease (009).

*Diseases of the nervous system and sense organs*--Vascular lesions affecting central nervous system (330-334) in the Seventh Revision were transferred in the Eighth Revision to "section VII, Diseases of the circulatory system," where they appeared as Cerebrovascular diseases (430-438).

*Certain causes of perinatal morbidity and mortality*--This section represented an integration of "Section XV, Certain diseases of early infancy" and Classification of causes of stillbirth (Y30-Y39) in the Seventh Revision. The age qualifications used in previous revisions to classify the same conditions in or outside this section were deleted. For example, Pneumonia of newborn (763) of the Seventh Revision was no longer in this section. Instead, it was included in the Eighth Revision with Pneumonia (480-486), to which pneumonias are assigned without regard to age.

*Accidents, poisonings, and violence*--A new subsection (E980-E989) was introduced for the classification of deaths where it was not possible for the certifier to determine whether the injuries were accidentally or purposely inflicted.

*Comparability between the Eighth and Seventh Revisions*--To measure the degree of discontinuity in cause-of-death statistics resulting from the introduction of the Eighth Revision, provisional estimates of selected comparability ratios based on dual coding of a stratified sample of 1966 death certificates by the Seventh and Eighth Revisions of the International Classification of Diseases were computed. These ratios appeared in the *Monthly Vital Statistics Report* of the National Center for Health Statistics, Volume 17, Number 8, Supplement; and in *Comparability of Mortality Statistics for the Seventh and Eighth Revisions of the International Classification of Diseases, United States, Vital and Health Statistics, Series 2, No. 66, DHEW Pub. No. (HRA) 76-1340.*

*Significant coding changes during the Eighth Revision*--Beginning with 1969 a special four-digit subcategory, Chronic obstructive lung disease (\*519.3), was added to obtain the number of certificates on which medical certifiers had entered this more general term rather than a more specific diagnosis of chronic bronchitis, emphysema, or asthma. The number of certificates assigned to (\*519.3) increased from 2,704 for 1969 to 28,613 for 1978. It is necessary to add together the number of deaths assigned to this new four-digit category and the number of deaths assigned to Bronchitis, emphysema, and asthma (ICDA Nos. 490-493) to obtain a measure of mortality from all chronic obstructive lung diseases.

To provide that deaths would not be assigned to Chronic obstructive lung disease (\*519.3) if a more specific diagnosis such as chronic bronchitis, emphysema, or asthma also appeared on the death certificate, the coding procedures were updated for 1971 and 1972 data years in accordance with the following linkages:

\*519.3 Chronic obstructive lung disease without mention of asthma, bronchitis, or emphysema

*Excludes conditions in \*519.3 with conditions in:*

490 Bronchitis (491) (Chronic bronchitis)  
491 (Chronic bronchitis) (491)  
492 (Emphysema) (492)  
493 (Asthma) (493)

But the limitation imposed by these linkage provisions did not alter the upward trend in the number of deaths assigned to Chronic obstructive lung disease without mention of asthma, bronchitis, or emphysema (\*519.3). The number of deaths assigned to (\*519.3) increased from 6,321 for 1971 to 8,210 for 1972.

Under the Eighth Revision of the ICDA, deaths assigned to chronic obstructive lung disease or chronic obstructive pulmonary disease were assigned to Other diseases of lung (ICDA No. 519.2). Despite the transfer of these deaths from this category to the new category Chronic obstructive lung disease (No.\*519.3), the number of

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

deaths assigned to Other diseases of lung (ICDA No. 519.2) also continued to increase--from 1,306 deaths for 1969 to 2,318 for 1978.

Also beginning with 1971 a special four-digit subcategory (\*E854.8) was added to identify Acute narcotism, not otherwise specified, whether or not the circumstances were undetermined. Also, a preference was given to Drug dependence (ICDA No. 304) when a statement of drug dependence or a synonymous term appeared on the certificate with mention of poisoning by certain addictive drugs.

In addition, beginning with 1971 the term "cerebral sclerosis (general)" was classified to Generalized ischemic cerebrovascular disease (ICDA No. 437) rather than to Other demyelinating diseases of central nervous system (ICDA No. 341). As a result of this transfer, the number of deaths assigned to this latter category decreased from 569 for 1970 to 96 for 1971.

For 1973 the significant coding changes were concerned with the sudden infant death syndrome (SIDS). NCHS modified the ICDA and the procedures for classifying information recorded on the death certificate to facilitate the identification and analysis of data related to known and suspected cases of SIDS. Three fourth-digit subdivisions were created under ICDA category 795 (Sudden death). These subdivisions together with the inclusion terms are as follows:

\*795.0 Sudden infant death syndrome, under 1 year of age

Acute fatal infant syndrome

Cause unknown

Cot or crib death

Died without sign of disease, so stated

Found dead (in bed, cot, cradle, crib, etc.) (infant)

Infant found in bed

Other unknown and unspecified causes, so stated

SDII, SID, SIDS, SUDI, SUID

Sudden death (in infancy) (infant) (syndrome) (unattended) (unexpected) (unexplained)

Undetermined (cause) (in infancy) (infant)

Unexpected death (in infancy) (infant)

Unexplained death (in infancy) (infant)

Unknown (cause)

\*795.1 Sudden death syndrome, 1 year of age

The same terms under \*795.0 when age is 1 year

\*795.2 All other sudden deaths, age 2 years and over

Died suddenly

Fell dead

Dropped dead

Sudden death

*Ninth Revision*--From 1979-98 cause of death statistics were classified by NCHS in accordance with the Ninth Revision (25). The Classification in the Ninth Revision, as in the Eighth Revision, was arranged in 17 main sections or chapters. The first chapter dealt with diseases caused by well-defined infectious and parasitic agents. The next two chapters dealt with categories for Neoplasms and for Endocrine, nutritional and metabolic diseases and immunity disorders. Most of the remaining chapters were arranged according to the principal anatomical sites of diseases with special chapters for Mental disorders; Complications of pregnancy, childbirth, and the puerperium; Congenital anomalies; Certain conditions originating in the perinatal period; and a chapter for Symptoms, signs, and ill-defined conditions.

The last chapter (XVII), Injury and poisoning, represented a decided departure from the corresponding chapter in previous revisions. The role of the E code for external causes was changed. In the Sixth, Seventh, and Eighth Revisions, chapter XVII-Accidents, poisonings, and violence--consisted of two alternative classifications, one according to the nature of the injury (the N code), and the other according to the external cause (the E code). In the Ninth Revision, chapter XVII consists only of titles for nature of injury as part of the main classification. The N prefix that was used before the category numbers for these titles in the Eighth Revision was dropped. In the Ninth Revision the E code was a supplementary classification. For underlying cause of death, where both an E code and another code were applicable, the E code was still used when the other code was from chapter XVII. When the other code was from chapters I-XVI, that code and not the E code was used.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

In many ways, the Ninth and the Eighth Revisions are similar. The essential basis of the Eighth Revision was retained as much as possible (37). Thus, overall blocks of classification numbers previously allocated to each chapter were retained. The Ninth Revision is, however, more specific. Thus, many Eighth Revision category numbers were split into more fourth-digit subcategories. In addition, categories and subcategories not found in the Eighth Revision were added to the Ninth Revision.

Following are some of the major changes between the Eighth and Ninth Revisions, applicable to underlying cause coding in the United States. They are arranged according to the chapters in the Ninth Revision of the ICD.

I. *Infectious and parasitic diseases*--Under the Ninth Revision, colitis, diarrhea, enteritis, and gastroenteritis, without further specification, were assumed to be of noninfectious origin and are classified to chapter IX, Diseases of the digestive system. In the Eighth Revision, unless stated to be noninfectious or due to a noninfectious condition, they were assumed to be of infectious origin and were coded to chapter I, Infective and parasitic diseases. This change transferred deaths that were assigned by the Eighth Revision to Diarrheal diseases (ICDA No. 009) to the Ninth Revision title Other noninfective gastroenteritis and colitis (ICD No. 558).

A section pulling together all late effects of infectious and parasitic diseases was added to chapter I in the Ninth Revision. In the Eighth Revision a few conditions had special late effects codes; for certain other conditions late effects were coded to the resulting chronic condition; for the remaining conditions in chapter I, late effects were coded to the regular code for the infectious or parasitic disease.

II. *Neoplasms*--A new section, Neoplasms of uncertain behavior (ICD Nos. 235-238), was added to this chapter.

III. *Endocrine, nutritional, and metabolic diseases and immunity disorders*--A separate category for Alzheimer's disease (ICD No.331.0)--was added to this chapter.

VII. *Diseases of the circulatory system*--According to the Ninth Revision, Cardiovascular disease, unspecified (ICD No. 429.2) was separated from Ischemic heart disease (ICD Nos. 410-414).

The Ninth Revision transferred Heart failure, unspecified (ICD No. 428.9) to this chapter--Diseases of the circulatory system--from the Eighth Revision chapter XVI, Symptoms and ill-defined conditions (ICDA Nos. 780-796), where it appeared as Acute heart failure, undefined (ICDA No. 782.4).

VIII. *Diseases of the respiratory system*--New titles were added for respiratory conditions including Pneumonitis due to solids and liquids (ICD No. 507); and Chronic airways obstruction, not elsewhere classified (ICD No. 496).

The deaths assigned by the Eighth Revision to Chronic obstructive lung disease without mention of asthma, bronchitis, or emphysema (\*519.3), a subtitle first introduced by NCHS for deaths occurring in 1969, were transferred to the Ninth Revision title Chronic airways obstruction, not elsewhere classified (ICD No. 496).

XV. *Certain conditions originating in the perinatal period*--This chapter was extensively revised, including the change in title.

XVI. *Symptoms, signs, and ill-defined conditions*--Many inclusion terms for this chapter were transferred to chapters I-XV.

*Comparability between the Ninth and Eighth Revisions*--As between the Eighth and the Seventh Revisions, a dual coding study was undertaken between the Ninth and the Eighth Revisions to measure the extent of discontinuity in cause-of-death statistics resulting from introducing the new Revision. An initial study was published for the list of 72 causes and the list of 10 infant causes, both of which appear in the *Monthly Vital Statistics Report* (38).

*Significant coding changes under the Ninth Revision*--Following the implementation of ICD-9 in data year in 1979, several coding changes were introduced that are described in detail in *Vital Statistics of the United States* for the years in which they were introduced (see NCHS website <http://www.cdc.gov/nchs/datawh/statab/pubd/ta.htm>). The more important changes were: In early 1983 a change that affected data from 1981 to 1986 was made in the coding of Acquired immunodeficiency syndrome and HIV infection. 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-9 No. E967) were changed also. During the calendar year 1985, detailed instructions for coding Motor vehicle accidents involving all-terrain vehicles were implemented to

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

ensure consistency in coding these accidents. Effective with data year 1986, “Primary” and “Invasive” tumors, unspecified, were classified as “Malignant”; these neoplasms had 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 asterisks appearing before the categories indicated that the codes were 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 from Vital Statistics of the United States, 1988.

*Tenth Revision--* Cause-of-death statistics beginning with 1999 are classified by NCHS in accordance with the Tenth Revision (24). The Tenth Revision has many changes from the Ninth Revision, including considerably greater detail, shifts of inclusion terms and titles from one category, section, or chapter to another; regroupings of diseases; new titles and sections; and modifications in coding rules.

The Tenth Revision uses a four-character alphanumeric coding scheme compared with the four-digit numeric codes used in the Ninth Revision. Each of the 21 chapters of the Tenth Revision is classified to a letter or letters of the alphabet (29). The four-character alphanumeric coding scheme used with the Tenth Revision allows a larger number of codes than the four-digit numeric scheme used with Ninth Revision. Chapters of the ICD have been added and rearranged. Diseases of the nervous system and sense organs in chapter VI of the Ninth Revision was divided into three chapters in the Tenth Revision: chapter VI, Diseases of the nervous system; chapter VII, Diseases of the eye and adnexa; and chapter VIII, Diseases of the ear and mastoid process. Also, External causes of morbidity and mortality and Factors influencing health status and contact with health services, which were supplementary classifications in the Ninth Revision, have been assigned as chapters XX and XXI, respectively, in the Tenth Revision. Chapters III (Endocrine, nutritional and metabolic diseases and immunity disorders) and IV (Diseases of the blood and bloodforming organs) in the Ninth Revision are exchanged in the Tenth Revision. Chapter IV now contains the endocrine, nutritional and metabolic diseases, and chapter III contains the diseases of blood and blood-forming organs. Immune disorders remain in chapter III. Diseases of the genitourinary system (previously chapter X) and Complications of pregnancy, childbirth, and the puerperium (previously chapter XI) have become chapters XIV and XV, respectively, in the Tenth Revision. Cause-of-death titles have been changed and regrouped. Examples of title changes include the title Chronic obstructive pulmonary diseases and allied conditions in the Ninth Revision which became Chronic lower respiratory diseases in the Tenth Revision. Suicide in the Ninth Revision became Intentional self-harm, and Homicide became Assault in the Tenth Revision.

Notable regroupings include some cerebrovascular disorders, specifically transient cerebral ischemic attacks, which have been moved from Diseases of the circulatory system (ICD-9 code 435) to Diseases of the nervous system (ICD-10 codes G45.8 and G45.9). Septic shock, classified in the Ninth Revision as Shock without mention of trauma (785.5) in Symptoms, signs, and ill-defined conditions, is classified in the Tenth Revision as Unspecified septicemia (A41.9) in chapter I (Certain infectious and parasitic diseases). Respiratory failure (799.1) was moved from Symptoms, signs, and ill-defined conditions to Diseases of the respiratory system (J96). Myelodysplastic syndromes were moved from Diseases of the blood and blood-forming organs (289.8) to Neoplasms of uncertain behavior (D46). End stage renal disease, classified under Other disorders of kidney and ureter in ICD-9 (593.9), has been reclassified in the Tenth Revision as Renal failure (N18.0). Transport accidents have been regrouped by the characteristics of the injured person (e.g., pedestrian, pedal cyclist, motorcycle rider, car occupant). In ICD-9, transport accidents were grouped by the type of vehicle involved in the accident.

*Comparability between the Tenth and Ninth Revisions--* Discontinuities between the Ninth and Tenth Revisions of the ICD for selected causes of death are measured using comparability ratios. Comparability ratios for the List of 113 Selected Causes of Death and the List of 130 Selected Causes of Infant Death are shown in tables E and F, respectively. Interpretation of comparability ratios is problematic for some causes because the ratio does not accurately account for differences in the coding and classification system and thus does not adequately reflect the degree of discontinuity. Causes of death from the List of 113 Selected Causes of Death and the List of 130 Selected Causes of Infant Death that have been determined to have problematic comparability issues include Alzheimer’s disease, Nephritis, nephrotic syndrome and nephrosis and Renal failure, Pregnancy, childbirth and the puerperium, Motor vehicle accidents and Other land transport accidents, Diarrhea and gastroenteritis of infectious origin, Birth trauma, Atelectasis, and Sudden infant death syndrome. For a detailed explanation of the problems in applying

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

comparability ratios to selected causes, refer to *Comparability of cause of death between ICD-9 and ICD-10: Preliminary estimates* (29) and *Deaths: Final data for 1999* (19).

*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 for relatively small samples and for limited geographic areas. A bibliography prepared by NCHS (39), 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 Tenth Revision, Chapter XVIII, Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (ICD-10 codes R00-R99). Although some deaths occur for which it is impossible to determine the underlying cause, this proportion generally 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 1999, 1.12 percent of all reported deaths in the United States were assigned to this category. The percent of deaths assigned to the comparable ICD-9 category was fairly stable from 1990 through 1999, between 1.08 and 1.18 percent; but was higher in earlier years, 1.25 percent in 1989 and between 1.43 and 1.51 percent from 1979 to 1988.

*Automated selection of underlying cause of death*--Before 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) (40), the multiple cause codes serve as inputs to the computer software that employs WHO rules to select the underlying cause. 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 inter-coder 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 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 periodically are 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 HIV infection (\*042-\*044) that originally had 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 (41-43).

Beginning with data year 1990, another computer system was implemented for automating cause-of-death coding. This system, called Mortality Medical Indexing, Classification, and Retrieval (MICAR) (44,45), automates coding multiple causes of death. Because MICAR automates multiple-cause coding rules, errors in recognizing terms, applying coding rules, and using the ICD index are eliminated. The use of the MICAR system ensures consistent application of multiple-cause coding rules, which is especially important for rules that are complex and infrequently applied. In addition, MICAR can provide more detailed information on the conditions reported on death certificates than is available through the ICD category structure (46). At the same time MICAR was developed, a complementary data entry system was also developed, referred to as PC-MICAR. In the first year of implementation, only about 5 percent of the Nation's death records were coded using PC-MICAR and MICAR with subsequent processing of all records through ACME. The percentage of death records coded using MICAR and PC-MICAR increased to 26 percent in 1991 and to 35 percent in 1992.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Beginning with data year 1993, another computer system was implemented for automating cause-of-death coding. This system, called Super-MICAR, is an enhancement of the PC-MICAR data entry system, which allows for total literal entry of the multiple cause-of-death text as reported by the certifier. This information is automatically coded by the MICAR and ACME computer systems. In the first year of implementation, about 9 percent of the Nation's death records were coded using Super-MICAR and 59 percent were coded using PC-MICAR, all with subsequent processing through MICAR and ACME. These percentages increased to 12 and 72 percent, respectively, in 1994; to 14 and 74 percent in 1995; and to 27 and 73 percent in 1996. Thus by 1996, 100 percent of the nation's records were coded using MICAR programs with subsequent processing through ACME. In each of the following years, the percentage of records coded using Super-MICAR increased, while the percentage of records coded using PC-MICAR decreased. Super-MICAR was used to code 29 percent of the records in 1997, 36 percent in 1998, and 52 percent in 1999. PC-MICAR was used to code 71 percent of the records in 1997, 64 percent in 1998, and 48 percent in 1999.

States whose data were coded by PC-MICAR in 1999 included Arizona, District of Columbia, Florida, Georgia, Illinois, Indiana, Kansas, Kentucky, Louisiana, Maryland, Missouri, Nebraska, New Jersey, New York (excluding New York City), New York City, North Carolina, North Dakota, Ohio, Pennsylvania, South Carolina, South Dakota, Texas, Vermont, Washington, and West Virginia. For these States, MICAR processed about 88 percent of the mortality records with an average system error rate of 0.23 on an underlying cause basis and 0.46 on a multiple-cause basis. Records that MICAR was unable to process were coded manually and then processed using ACME.

States using Super-MICAR in 1999 included Alabama, Alaska, Arkansas, California, Colorado, Connecticut, Delaware, Hawaii, Idaho, Iowa, Maine, Massachusetts, Michigan, Minnesota, Mississippi, Montana, Nevada, New Hampshire, New Mexico, Oklahoma, Oregon, Rhode Island, Tennessee, Utah, Virginia, Wisconsin, and Wyoming. For these States, Super-MICAR processed about 75 percent of the mortality records with an average system error rate of 0.37 on an underlying cause basis and 0.74 on a multiple-cause basis. Records that Super-MICAR was unable to process were coded manually and then processed using ACME.

### **Codes for firearm deaths**

Causes of death attributable to firearm mortality include ICD-10 codes W32-W34, Accidental discharge of firearms; X72-X74, Intentional self-harm (suicide) by discharge of firearms; X93-X95, Assault (homicide) by discharge of firearms; Y22-Y24, Discharge of firearms, undetermined intent; and Y35.0, Legal intervention involving firearm discharge. Deaths from injury by firearms exclude deaths due to explosives and other causes indirectly related to firearms.

### **Codes for drug-induced deaths**

Causes of death attributable to drug-induced mortality include selected codes from the ICD-10 title Mental and behavioral disorders due to psychoactive substance use, specifically, ICD-10 codes F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, and F19.7-F19.9; Accidental poisoning by and exposure to drugs, medicaments and biological substances, X40-X44; Intentional self-poisoning (suicide) by and exposure to drugs, medicaments and biological substances, X60-X64; Assault (homicide) by drugs, medicaments and biological substances, X85; and Poisoning by and exposure to drugs, medicaments and biological substances, undetermined intent, Y10-Y14. Drug-induced causes exclude accidents, homicides, and other causes indirectly related to drug use. Also excluded are newborn deaths associated with mother's drug use.



**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

### **Codes for alcohol-induced deaths**

Causes of death attributable to alcohol-induced mortality include ICD-10 codes F10, Mental and behavioral disorders due to alcohol use; G31.2, Degeneration of nervous system due to alcohol; G62.1, Alcoholic polyneuropathy; I42.6, Alcoholic cardiomyopathy; K29.2, Alcoholic gastritis; K70, Alcoholic liver disease; R78.0, Finding of alcohol in blood; X45, Accidental poisoning by and exposure to alcohol; X65, Intentional self-poisoning by and exposure to alcohol; and Y15, Poisoning by and exposure to alcohol, undetermined intent. Alcohol-induced causes exclude accidents, homicides, and other causes indirectly related to alcohol use. This category also excludes newborn deaths associated with maternal alcohol use.

### **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-10 codes O00-O95, O98-O99, and A34).

"Maternal deaths" are defined by the World Health Organization 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" (24).

Maternal mortality rates are computed on the basis of the number of live births. The maternal mortality rate indicates the likelihood of a pregnant woman dying 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.

Changes were made in the classification and coding of maternal deaths between ICD-9 and ICD-10, effective with mortality data for 1999. Some State death certificates include a separate question regarding pregnancy status. A positive response to the question is interpreted as "pregnant" being reported in Part II of the cause-of-death section of the death certificate. If a specified length of time is not provided by the medical certifier, it is assumed that the pregnancy terminated 42 days or less prior to death. Further, if only indirect maternal causes of death (i.e. a previously existing disease or a disease that developed during pregnancy which was not due to direct obstetric causes but was aggravated by physiologic effects of pregnancy) are reported in Part I and pregnancy is reported in either Part I or Part II, ICD-10 classifies this as a maternal death. ICD-9 only classified the death as maternal if pregnancy was reported in Part I.

Under the Eighth Revision, maternal deaths were assigned to the category "Complications of pregnancy, childbirth, and the puerperium" (*Eighth Revision International Classification of Diseases, Adapted for Use in the United States* (ICDA-8) Nos. 630-678). Although WHO did not define maternal mortality, an NCHS classification rule existed that limited the definition of a maternal death to a death that occurred 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 was given for the condition. If no duration was specified and the underlying cause of death was a maternal condition, 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 for 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 of death were expanded to include Indirect obstetric causes (ICD-9 Nos. 647-648). These causes included Infective and parasitic conditions as well as other conditions present in the mother and classifiable elsewhere but that complicate pregnancy, childbirth, and the puerperium, such as Syphilis, Tuberculosis, Diabetes mellitus, Drug dependence, and Congenital cardiovascular disorders.

*Race*--Beginning with the 1989 data year, NCHS changed the method of tabulating live birth data by race from race of child, which was determined from the race of the parents, to race of mother. This resulted in a discontinuity in maternal mortality rates by race between 1989 to present and previous years; see "Change in tabulation of race data for live births," under "Infant deaths" in the Technical Appendix from *Vital Statistics of the United States*, 1990, or the series report, "Effect on Mortality Rates of the 1989 Change in Tabulating Race" (47).

### **Infant deaths**

*Age*--Infant death is defined as a death under 1 year of age. The term excludes fetal deaths. Infant deaths usually are 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. Generally,

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

it has 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 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 (48,49). 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 (50-52).

In contrast to infant mortality rates based on live births, infant death rates 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. 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-June, the denominator for the infant mortality rate is a count of births occurring during the 12 months of January-December. The difference in the time reference can result in different trends between the two indices during periods when birth rates are moving up or down markedly.

The infant death rate also is subject to greater imprecision than is the infant mortality rate because of problems of enumerating and estimating the population under 1 year of age (51).

*Change in tabulation of race data for live births*--Beginning with the 1989 data year, NCHS changed the method of tabulating live-birth data by race from race of child, which was determined from the race of the parents, to race of mother. As in previous years, race for infant and maternal deaths (the numerator of the rate) is tabulated by the race of the decedent. Because live births comprise the denominator of infant and maternal mortality rates, this change resulted in a discontinuity in rates between 1989 to present, and those for previous years. For additional information, see the Technical Appendix from *Vital Statistics of the United States*, 1990, or the series report, "Effect on Mortality Rates of the 1989 Change in Tabulating Race" (47).

*Comparison of race data from birth and death certificates*--Regardless of whether vital events are tabulated by race of mother or by race of parents, studies in which race on the birth and death certificates for the same infant were compared find inconsistencies in reporting race between birth and death certificates (53).

These reporting inconsistencies can result in systematic biases in infant mortality rates by specified race, in particular, underestimates for specified races other than white or black. In the computation of race-specific infant mortality rates, 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 the race for an infant who died and was of a smaller minority race group is sometimes reported as white on the death certificate but is reported as the minority race group on the birth certificate, resulting, in the aggregate, in understatement of infant mortality for smaller race groups, for example, American Indian (12).

Estimates can be made of the degree of bias in race-specific infant mortality rates by comparing rates for which race is based on the death certificate of the infant with rates in which race is based on race of mother from the birth certificate. In table G these comparisons are made for the years 1995 and 1996 combined. A measure of reliability is the ratio of race reported on the linked file (race of mother from the birth certificate) to the race of the child reported on the death certificate. The ratio for white infants is 1.00; for black 0.97 indicating a good net correspondence in race from the two sources. However, for American Indians the ratio is 1.14 indicating that rates where race is based on the birth certificate are 14 percent higher than those based on the death certificate. Ratios among specific populations groups of Asian Americans varied greatly. Understatement was greatest for Japanese infants with a ratio of 2.04, indicating that infant mortality rates based on birth certificate information are over twice as high as those based on

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

death certificates. The ratios for Filipinos were 1.68, and for Chinese, 1.21. The ratio for Hawaiians was 0.85, indicating a higher rate based on death certificates, possibly because on death records on which Hawaiian was reported in combination with another race, coding procedures always give preference to Hawaiian (12).

*Hispanic origin*—For 1999, infant mortality rates for the Hispanic-origin population are based on numbers of resident infant deaths reported to be of Hispanic origin (see “Hispanic origin”) and numbers of resident live births by Hispanic origin of mother for the 50 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 1999 was 1.7 percent and the percent of live births of unknown origin was 1.2 percent, infant mortality rates by specified Hispanic origin and race for non-Hispanic origin may be slightly underestimated.

Small numbers of infant deaths for specific Hispanic-origin groups can result in infant mortality rates subject to relatively large random variation (see “Random variation and sampling errors”).

Table H shows comparisons for infant mortality rates for Hispanic origin where Hispanic origin is based on death certificate identification of the infant or on birth certificate information on the Hispanic origin of the mother (the linked file) for 1996. For total Hispanic origin infants, the ratio was 1.05 indicating that rates are about 5 percent higher using the race of mother from the birth certificate (linked file). For Mexican and Cuban, the rates were about the same (ratios of 1.00 and 1.02, respectively), but rates for Puerto Rican infants were 12 percent higher when Hispanic origin was based on the birth certificate (12).

*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 “Cause-of-death classification” under “Cause of death.”)

## **Quality of data**

### **Completeness of registration**

All States have adopted laws requiring the registration of births and deaths. It is believed that more than 99 percent of the births and deaths occurring in this country are registered.

*Massachusetts data*--The 1964 statistics for deaths exclude approximately 6,000 deaths 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 affected also.

### **Quality control procedures**

*Demographic items on the death certificate*--As previously indicated, for 1999 the mortality data for these items were obtained from two sources--photocopies of the original certificates furnished by Guam, American Samoa, and Northern Marianas, and electronic data records furnished by the 50 States, the District of Columbia, New York City, Puerto Rico, and the Virgin Islands. For Guam, American Samoa, and Northern Marianas, which sent only copies of the original certificates, the demographic items were coded for 100 percent of the death certificates. The demographic coding for each of these certificates was independently verified.

For areas sending electronic data records, a sample of 50 - 100 records per month for each registration area is used to monitor quality of coding. Under this procedure, each sample record is independently coded by NCHS staff and compared to the State code assignments. NCHS/State differences are adjudicated to ascertain the source of the error and need for corrective action. The estimated average outgoing error rate for all demographic items in 1999 was 0.25 percent. The error rate is a combined measure of State coding, key entry and processing errors made in the process of preparing the statistical file. These types of errors are not necessarily randomly distributed in the file and may therefore escape detection through sample verification. To reduce some systematic errors other NCHS procedures such as detailed computer edits, tabular evaluation, and procedure review are used.

*Medical items on the death certificate*--The same procedures used for demographic data are used for the medical items except that a larger sample, 100 – 175 records per month, is used to monitor the quality of coding medical items. For Arizona, Illinois, Kentucky, Missouri, New Jersey, Ohio, West Virginia, District of Columbia, New York City, Puerto Rico, Virgin Islands, Guam, American Samoa, and the Northern Marianas, which sent only copies of the

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

original certificates, the medical data were coded for 100 percent of the death certificates using either PC-MICAR or Super-MICAR. The death entry is independently verified for 10 percent of the file using a three-way comparison. For the 43 registration areas sending electronic files and for the files entered at NCHS, the average outgoing error rate in 1999 was estimated at 2.50 percent for underlying cause data, and 4.70 percent for multiple cause-of-death data.

*Rare causes of death*--Selected causes of death considered to be of public health concern are routinely confirmed by the States according to agreed upon procedures between the State vital statistics programs and the National Center for Health Statistics. These causes, termed "Infrequent and Rare Causes of Death," are listed in the NCHS instruction manuals Parts 2a, 11, and 20 (41,54,55).

As a consequence of the major effort involved in implementing a new revision of the ICD, a number of States did not provide complete confirmation of deaths from Infrequent and rare causes for 1999. These States include the following: California, Florida, Illinois, Indiana, Kentucky, Maine, Michigan, Missouri, New Jersey, New York City, North Carolina, Ohio, Pennsylvania, Rhode Island, Washington, and West Virginia.

*Other control procedures*--After coding and data entry 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 (54). 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 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*.

## **Computation of rates and other measures**

### **Population bases**

Population bases from which death rates are computed are prepared by the U.S. Bureau of the Census. Rates for 1940, 1950, 1960, 1970, 1980, and 1990 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 metropolitan areas 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 1900-99 are shown in table I. In addition, the population including Armed Forces abroad is shown for the United States. Table J lists the sources for these populations.

*Populations for 1999*--Population estimates of the United States by age, race, and sex for 1999 are shown in table K (15). Population estimates for each State by age for 1999 are shown in table L (56). The population estimates shown in tables I and J are based on the 1990 census and are consistent with those for 1990-98. Since these population estimates are based on demographic analysis, they are not subject to sampling variability.

In addition the following estimates are shown:

- Estimated population by 5-year age groups, specified Hispanic origin, race for non-Hispanic origin, and sex: United States, 1999 (see table M) (15,16)
- Estimated population for ages 15 years and over by 5-year age groups, marital status, race, and sex: United States, 1999 (see table N) (16)
- Estimated population for ages 15 years and over, by 5-year age groups, marital status, Hispanic origin, race for non-Hispanic origin, and sex: United States, 1999 (see table O) (16)
- Estimated population for ages 25-64 years, by 10-year age groups, educational attainment and sex: Total of 46 States and the District of Columbia, 1999 (see table P) (16)

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Population estimates by specified Hispanic origin, marital status, and educational attainment are based on the Bureau of the Census' Current Population Survey (a sample-based survey) adjusted to control totals. As a result, these estimates are subject to sampling variation (see "Random variation and sampling errors").

Revised populations estimates for 1999 that are consistent with the 2000 census levels are available for the United States and each State on the NCHS website at <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>. Population estimates based on the CPS are consistent with 1990 census levels and have not been revised.

*Population for 1990*--In the 1980 and 1990 censuses, a substantial number of persons did not specify a racial group that could be classified as any of the white, black, American Indian, Eskimo, Aleut, Asian, or Pacific Islander categories on the census form (57). In 1980 the number of persons of "Other" race was 6,758,319; in 1990, it was 9,804,847. In both censuses the large majority of these persons were of Hispanic origin (based on responses to a separate question on the form), and many wrote in their Hispanic origin (for example, Mexican and Puerto Rican) as their race. In 1980 and 1990 persons of unspecified race were allocated to one of the four tabulated racial groups (white, black, American Indian, Asian or Pacific Islander) based on their response to the Hispanic origin question. These four race categories conform with OMB Directive 15 (the standards for recordkeeping, collection, and presentation of data on race and ethnicity in Federal statistical activities and program administrative reporting) (58) and are more consistent with the race categories in vital statistics.

In 1980 the allocation of unspecified race was determined using cross-tabulations of age, sex, race, specified Hispanic origin, and county of residence. Persons of Hispanic origin and unspecified race were allocated to either white or black based on their specific Hispanic origin. Persons of "Other" race and Mexican origin were categorically assumed to be white, while persons in other Hispanic categories were distributed to white and black pro rata within the county-age-sex group. For "Other race-not-specified" persons who were not Hispanic, race was allocated to white, black, or Asian or Pacific Islander based on proportions gleaned from sample data. The 20-percent sample (respondents who were enumerated on the longer census form) provided a highly detailed coding of race, which allowed identification of otherwise unidentifiable responses with a specified race category. Thus, allocation proportions were established at the State level and were used to distribute the non-Hispanic persons of "Other" race in the 100-percent tabulations.

In 1990 the race modification procedure was implemented using individual census records. Persons whose race could not be specified were assigned to a racial category using a pool of "race donors" that consisted of persons of specified race who had the identical responses to the Hispanic origin question and who were within the auspices of the same census district office. As in the 1980 census, it appeared that the underlying assumption made in the 1990 census was that the Hispanic origin response was the major criterion for allocating race. Unlike those responding to the 1980 census who could be assigned only to the racial group white or black, persons of Hispanic origin, including Mexicans, responding to the 1990 census could be assigned to any racial group. Also, in the 1990 census, the non-Hispanic component of "Other" race was allocated primarily on the basis of geography (district office), rather than detailed characteristic.

The means by which respondent's age was determined were fundamentally different for the two censuses; therefore, the problems that necessitated the modification were different. In 1980 respondents reported year of birth and quarter of birth (within year) on the census form. When census results were tabulated, persons born in the first quarter of the year (before April 1) had age equal to 1980 minus year of birth, while persons born in the last three quarters had age equal to 1979 minus year of birth.

In 1990 quarter year of birth was not reported on the census form, so direct determination of age from year of birth was not possible. In 1990 census publications, age is based on respondents' direct reports of age at last birthday. This definition proved inadequate for postcensal estimates as it was apparent that many respondents had reported their age at time of either completion of the census form or interview by an enumerator that could occur several months after the April 1 reference date. As a result, age was biased upward. For most respondents, modification was based on a respecification of age, by year of birth, with allocation to first quarter (persons aged 1990 minus year of birth) and last three quarters (aged 1989 minus year of birth) based on a historical series of registered births by month. This process partially restored the 1980 logic for assignment of age. It was not considered necessary to correct for age overstatement and heaping in 1990, because the availability of age and year of birth on the census form had provided for the elimination of spurious year-of-birth reports in the census data before modification occurred.

*Population estimates for 1981-89*--Death rates for 1981-89 are based on revised populations that are consistent with the 1990 census level (57). They are, therefore, not comparable with death rates published in *Vital Statistics of*

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

*the United States* for 1981-89, and in other NCHS publications for those years. The 1990 census counted approximately 1.5 million fewer persons than had been estimated earlier for April 1, 1990.

*Populations for 1980*--Death rates for 1980 are based on the population enumerated as of April 1 in the 1980 census (59). The figures by race have been modified as described.

*Population estimates for 1971-79*--Death rates 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 been estimated for April 1, 1980 (60). 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 for 1961-69 are based on revised estimates of the population and thus may differ slightly from rates published before 1976. Rates, life table values, and population estimates for each year during 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.

*New Jersey*--As previously indicated, data by race are not available for New Jersey for 1962 and 1963. Therefore, for 1962 and 1963, 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.

*Rates and ratios based on live births*--Infant and maternal mortality rates are computed on the basis of the number of live births. Counts of live births are published annually in *Vital Statistics of the United States*.

## **Net census undercount**

Errors can be introduced into the annual rates as a result of underenumeration of deaths and the misreporting of demographic characteristics. Errors in rates can also result from 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 (57). Net census undercount results from the miscounting and misreporting of demographic characteristics such as age. Age-specific death rates are affected by the net census undercount and the misreporting of age on the death certificate (61). 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.

Because death rates based on a population adjusted for net census undercount may be more accurate than rates based on an unadjusted population, the possible impact of net census undercount on death rates must be considered. This can be done on a national basis using results of studies conducted by the U.S. Bureau of the Census on the completeness of coverage of the U.S. population (including underenumeration and misstatement of age, race, and sex). Such studies were conducted in the last five decennial censuses--1950, 1960, 1970, 1980, and 1990. From this work have come estimates of the national population that were not counted by age, race, and sex (62-65). The reports for 1990 (unpublished data from the U.S. Bureau of the Census) include estimates of net underenumeration and overenumeration for age, sex, and racial subgroups of the national population modified for race consistency with previous population counts as described in the section "Population bases." These studies indicate that, although coverage was improved over previous censuses, there was differential coverage among the population subgroups; that is, some age, race, and sex groups were more completely counted than others.

Because estimates of net census undercount are not available by age, race, and sex for individual States and counties, it is not feasible to adjust for net census undercount when presenting rates in routine tabulations. Nevertheless, it is important to be aware that net census undercounts can affect levels of observed vital rates.

*Age, race, and sex*--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 1999 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 Q). 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--when 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 enumerated than the black population in the 1990 Census of Population. Underenumeration varied by age group for the total population, with the greatest differences found for persons aged 85 years and over. All other age groups were overcounted or undercounted by less than 4.0 percent. Among the

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

age-sex-race groups, underenumeration was highest (13.3 percent) for black males aged 25-34 years. In contrast, white females in this age group were underenumerated by 2.5 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. Consequently, the ratio of mortality between the rates for males and females and between the rates for the white population and 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, in 1990 for the age group 35-39 years, the ratio of the unadjusted death rate for Homicide and legal intervention for black males to that for white males is 7.54, whereas the ratio of the death rates adjusted for net census undercount is 6.92. For Ischemic heart disease for males aged 40-44 years, the ratio of the death rate for the black population to that for the white population is 1.38 using the unadjusted rates, but it is 1.26 when adjusted for estimated underenumeration.

*Summary measures*--The effect of net census undercount on age-adjusted death rates and life table values depends on the underenumeration of each age group and on the distribution of deaths by age. Thus, the age-adjusted death rate in 1990 for All causes would decrease from 520.2 to 512.7 per 100,000 population if the age-specific death rates were corrected for net census undercount (table R). For Diseases of heart, the age-adjusted death rate for white males would decrease from 202.0 to 198.2 per 100,000 population, a decline of 2.0 percent. For black males, the change from an unadjusted rate of 275.9 to an adjusted rate of 256.7 would amount to a decrease of 7.0 percent. For HIV infection, the rate for black males would decrease from 44.2 to 39.0 and for white males from 15.0 to 14.4.

If death rates by age were adjusted, the corresponding life expectancy at birth computed from these rates would change. 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. For example, adjustment for net census undercount would increase life expectancy in 1990 by an estimated 0.2 years, from 75.4 years to 75.6 years for the total U.S. population.

Adjustment for differential underenumeration among race-sex groups would lead to greater changes in life expectancy for some groups than for others. For males and females, increases would be 0.3 and 0.1 years, respectively; for the black population and white population, 0.6 and 0.2 years, respectively. The largest increase would be for black males, 1.2 years, followed by white males (0.3 years), black females (0.2 years), and white females (0.2 years).

### **Age-adjusted death rates**

Age-adjusted death rates are used to control for differences and changes in age composition and thus, compare relative mortality risk across groups and over time. However, they should be viewed as constructs or indexes rather than as direct or actual measures of mortality risk. Statistically, they are weighted averages of the age-specific death rates, where the weights represent the fixed population proportions by age (66). Age-adjusted death rates were computed by the direct method, that is, by applying age-specific death rates for a given cause of death to the U.S. standard population. It is important not to compare age-adjusted death rates with crude rates.

Beginning with the 1999 data year, a new population standard was adopted by NCHS for use in age-adjusting death rates. Based on the projected year 2000 population of the United States, the new standard replaces the 1940 standard population that had been used for over 50 years. The new population standard affects levels of mortality and to some extent trends and group comparisons. Of particular note are the effects on race comparison of mortality. For detailed discussion see *Age Standardization of Death Rates: Implementation of the Year 2000 Standard* (67).

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

The year 2000 standard population and corresponding weights ( $w_i$ ), used beginning with data year 1999, for computing age-adjusted rates and relative standard errors (RSE), excluding those by marital status, education, injury at work, and the U.S. territories, are shown in the following table:

Age	Number	Weights ( $w_i$ )
All ages.....	1,000,000	1.000000
Under 1 year.....	13,818	0.013818
1-4 years.....	55,317	0.055317
5-14 years.....	145,565	0.145565
15-24 years.....	138,646	0.138646
25-34 years.....	135,573	0.135573
35-44 years.....	162,613	0.162613
45-54 years.....	134,834	0.134834
55-64 years.....	87,247	0.087247
65-74 years.....	66,037	0.066037
75-84 years.....	44,842	0.044842
85 years and over.....	15,508	0.015508

The 1940 standard population and corresponding weights ( $w_i$ ), used prior to data year 1999, for computing age-adjusted rates and relative standard errors (RSE), excluding those by marital status, education, injury at work, and the U.S. territories, are shown in the following table:

Age	Number	Weights ( $w_i$ )
All ages.....	1,000,000	1.000000
Under 1 year.....	15,343	0.015343
1-4 years.....	64,718	0.064718
5-14 years.....	170,355	0.170355
15-24 years.....	181,677	0.181677
25-34 years.....	162,066	0.162066
35-44 years.....	139,237	0.139237
45-54 years.....	117,811	0.117811
55-64 years.....	80,294	0.080294
65-74 years.....	48,426	0.048426
75-84 years.....	17,303	0.017303
85 years and over.....	2,770	0.002770



**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Age-adjusted death rates by marital status are computed using the age groups 25 years and over. Therefore, based on the year 2000 standard population, the United States standard population aged 25 years and over and corresponding weights ( $w_i$ ) are as follows:

Age	Number	Weights ( $w_i$ )
25 years and over.....	646,654	1.000000
25-34 years.....	135,573	0.209653
35-44 years.....	162,613	0.251468
45-54 years.....	134,834	0.208510
55-64 years.....	87,247	0.134921
65-74 years.....	66,037	0.102121
75 years and over.....	60,350	0.093327

Age-adjusted death rates by educational attainment are computed using the age groups 25-64 years. Therefore, based on the year 2000 standard population, the United States standard population aged 25-64 years and corresponding weights ( $w_i$ ) are as follows:

Age	Number	Weights ( $w_i$ )
25-64 years.....	520,267	1.000000
25-34 years.....	135,573	0.260584
35-44 years.....	162,613	0.312557
45-54 years.....	134,834	0.259163
55-64 years.....	87,247	0.167697

Age-adjusted death rates for injury at work are computed using the age groups 15 years and over. Therefore, based on the year 2000 standard population, the United States standard population aged 15 years over and corresponding weights ( $w_i$ ) are as follows:

Age	Number	Weights ( $w_i$ )
15 years and over.....	785,300	1.000000
15-24 years.....	138,646	0.176552
25-34 years.....	135,573	0.172638
35-44 years.....	162,613	0.207071
45-54 years.....	134,834	0.171697
55-64 years.....	87,247	0.111100
65-74 years.....	126,387	0.160941

Age-adjusted death rates for Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas are computed using the age groups 75 years and over. Therefore, based on the year 2000 standard population, the United States standard population aged 75 years and over and corresponding weights ( $w_i$ ) are as follows:

Age	Number	Weights ( $w_i$ )
All ages.....	1,000,000	1.000000
Under 1 year.....	13,818	0.013818
1-4 years.....	55,317	0.055317
5-14 years.....	145,565	0.145565
15-24 years.....	138,646	0.138646
25-34 years.....	135,573	0.135573
35-44 years.....	162,613	0.162613
45-54 years.....	134,834	0.134834
55-64 years.....	87,247	0.087247
65-74 years.....	66,037	0.066037
75 years and over.....	60,350	0.060350

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999  
TECHNICAL APPENDIX**

**Life tables**

The current or period life table provides a comprehensive measure of the effect of current mortality on life expectancy. It is composed of sets of values showing the mortality experience of a hypothetical group of infants born at the same time and subject throughout their lifetime to the age-specific death rates of a particular time period, usually a given year. Beginning with final data reported for 1997, the life table methodology was changed from previous annual reports. Previously, U.S. life tables were abridged and constructed by reference to a standard table (68). In addition, the age range for these life tables was limited to 5-year age groups ending with the age group 85 years and over.

Beginning with 1997 mortality data, a revised life table methodology was used to construct complete life tables by single years of age that extend to age 100 (69) using a methodology similar to that of the decennial life tables (70). The advantages of the new over the previous methodology are its comparability with decennial life table methodology, greater accuracy, and greater age detail. A comparison of the two methods shows small differences in resulting values for life expectancy (69). To calculate the probability of dying at each age, the revised methodology uses vital statistics death rates for ages under 85 years and mortality data from the Medicare program for ages over 85 years. Medicare data were used to model the probability of dying at ages 85 and over because the data are shown to be significantly more reliable than vital statistics data at the oldest ages (71).

Life tables for the decennial period 1979-81 are used as the standard life tables in constructing the 1980-96 abridged life tables. Life table values for 1981-89 are based on revised intercensal estimates of the populations for those years. Therefore, these life table values may differ from life table values of those years published previously.

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 are based on revised intercensal estimates of the populations for those years. As such, these life table values may differ from life table values previously published.

The annual abridged life table series was initiated for selected race-sex groups in 1945. Because of the increased interest in the average length of life ( $e_0$ ) for years prior to 1945, estimates were prepared for the following race and sex groups and data years (72).

<i>Years</i>	<i>Race and sex groups</i>
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 1900-02 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 Alaska and Hawaii for each year. Data for each year 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.

**Causes of death contributing to changes in life expectancy**

Causes of death contributing to changes in life expectancy were estimated using a life table partitioning technique. The method partitions changes into component additive parts. This method identifies the causes of death having the greatest influence, positive or negative, on changes in life expectancy (73,74).

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

**Random variation and sampling errors**

*Deaths*--The number of deaths reported for an area represent complete counts of such events (except for 1972 when the data were based on a 50-percent sample because of resource constraints). As such, they are not subject to sampling error, although they are subject to non-sampling errors in the registration process. However, when the figures are used for analytical purposes, such as the comparison of rates over time 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 (75). The probable range of values may be estimated from the actual figures according to certain statistical assumptions.

In general, distributions of vital events, because they are relatively infrequent, may be assumed to follow a Poisson distribution. As a result, the numbers of deaths, death rates, and mortality rates are subject to random variation. Estimates of relative standard errors (RSE)--a measure of variability--95-percent confidence intervals, and tests of statistical significance under this assumption are shown below. When the number of events is large, the relative standard error 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 data.

*Populations*--Population estimates of the United States and for each State by age, race, total Hispanic origin, and sex for 1999 are based on demographic methods and, therefore, are not subject to sampling variability. However, population estimates by specified Hispanic origin (Mexicans, Puerto Ricans, Cubans, and Other Hispanics), by specified marital status groups (never married, married, widowed, and divorced), and by specified educational attainment groups (under 12 years, 12 years, and 13 or more years) are based on the Bureau of the Census' Current Population Survey (CPS) adjusted to control totals and, therefore, are subject to sampling variation. As a result, death rates based on the CPS-based population estimates are subject to both random variation of the deaths and sampling error of the population estimates. Estimates of relative standard errors, 95-percent confidence intervals, and tests of statistical significance under these assumptions are shown below. All population estimates may also be subject to non-sampling errors.

*Computation of population-based death rates*--Death rates for a single calendar year are computed by dividing the number of deaths for a class for that year by the population of a similarly-defined class for the same year and multiplying that result by 100,000 (or 1,000). Rates thus computed are per 100,000 (or 1,000) estimated population residing in selected areas of the United States. The 3-year average death rates are computed by dividing the total number of deaths for a class for a three-year period by the sum of the population estimates of a similarly defined class for the same period and multiplying that result by 100,000 (or 1,000).

*Computation of live birth-based mortality rates*--Maternal mortality rates and infant mortality rates are computed by dividing the number of deaths for a class for a specified year by the number of live births of a similarly defined class for that year and multiplying that result by 100,000 (or 1,000). Rates thus computed are per 100,000 (or 1,000) live births residing in selected areas of the United States.

*Relative Standard Errors and 95% Confidence Intervals*--Formulas for computing approximate RSE's and confidence intervals (CI's) for crude, age-specific death rates, age-adjusted death rates, and infant and maternal mortality rates are shown below.

Beginning with 1989 data, an asterisk has been shown in place of a rate based on fewer than 20 deaths, which is the equivalent of an RSE of 22.94 percent or more. An RSE of this magnitude is considered statistically unreliable. That procedure has been used for mortality data except death rates based on CPS-based population estimates, for which sampling variation must be considered in addition to random variation. Formulas for computing RSE's for CPS population-based rates are presented below and an asterisk is shown in place of a rate when the RSE is 22.94 percent or more. RSE's for CPS population-based rates were introduced beginning with specified Hispanic-origin data for 1994 and subsequently for rates by marital status and educational attainment.

The formulas below are shown separately for rates based on demographically estimated populations, sample-based populations, and rates based on live births. Further, separate discussions are provided for rates based on less than 100 events, and rates based on 100 events or more. Specific examples are given to illustrate the use of the formulas.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

*The following formulas are used for demographically-estimated population-based death rates for all races, white, black, American Indian, Asian or Pacific Islander, all origins, total Hispanic, total non-Hispanic, non-Hispanic white, and non-Hispanic black for **all** marital status groups combined:*

Age-specific and crude death rates--

$$RSE(R) = RSE(D) = 100 \sqrt{\frac{I}{D}}$$

Approximate 95% Confidence Interval: 100 or more deaths

Lower:  $R - 1.96 * S(R)$

Upper:  $R + 1.96 * S(R)$

Approximate 95% Confidence Interval: 1-99 deaths

Lower:  $R * L(1 - \alpha = .95, D)$

Upper:  $R * U(1 - \alpha = .95, D)$

where

$R$  = rate (deaths per 100,000 population)

$D$  = total number of deaths upon which rate is based

$$S(R) = R * \frac{RSE(R)}{100} = \text{standard error of rate}$$

$L(1 - \alpha = .95, D)$  and  $U(1 - \alpha = .95, D)$  are lower and upper 95% confidence limit factors and are shown in table S

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Age-adjusted death rates--

$$RSE(R'') = 100 \frac{\sqrt{\sum \left\{ w_i^2 R_i^2 \left( \frac{I}{D_i} \right) \right\}}}{R''}$$

Approximate 95% Confidence Interval: 100 or more deaths

Lower:  $R'' - 1.96 * S(R'')$

Upper:  $R'' + 1.96 * S(R'')$

Approximate 95% Confidence Interval: 1-99 deaths

Lower:  $R'' * L(1 - \alpha = .95, D_{adj})$

Upper:  $R'' * U(1 - \alpha = .95, D_{adj})$

where

$R''$  = age-adjusted rate (per 100,000 population) =  $\sum w_i R_i$

$w_i$  =  $i^{th}$  age-specific Standard Population such that  $\sum(w_i) = 1.0$

$R_i$  = age-specific rate (per 100,000) for the  $i^{th}$  age group

$D_i$  = total number of deaths for the  $i^{th}$  age group upon which age-specific rate is based

$$S(R'') = R'' * \frac{RSE(R'')}{100} = \text{standard error of age-adjusted rate}$$

$L(1 - \alpha = .95, D_{adj})$  and  $U(1 - \alpha = .95, D_{adj})$  are lower and upper 95% confidence limit factors and are shown in table S

$$D_{adj} = \frac{I}{\left( \frac{RSE(R'')}{100} \right)^2} = \text{adjusted number of deaths rounded to nearest integer}$$

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

The following formulas are used for CPS population-based death rates for all races, white, black, American Indian, Asian or Pacific Islander, all origins, total Hispanic, total non-Hispanic, non-Hispanic white, non-Hispanic black by **specified** marital status group (never married, married, widowed, and divorced) and by specified educational attainment groups

OR

for Mexican, Puerto Rican, Cuban, Other Hispanic for **all** marital status (or all educational attainment) groups combined and by **specified** marital status group (never married, married, widowed, and divorced) and specified educational attainment groups:

Age-specific and crude death rates--

$$RSE(R) = 100 \sqrt{\left(\frac{1}{D}\right) + f \left(a + \frac{b}{P}\right)}$$

Approximate 95% Confidence Interval: 100 or more deaths

Lower:  $R - 1.96 * S(R)$

Upper:  $R + 1.96 * S(R)$

Approximate 95% Confidence Interval: 1-99 deaths

$$Lower : R * L(1 - \alpha = .96, D) * \left(1 - 2.576 \sqrt{f \left(a + \frac{b}{P}\right)}\right)$$

$$Upper : R * U(1 - \alpha = .96, D) * \left(1 + 2.576 \sqrt{f \left(a + \frac{b}{P}\right)}\right)$$

where

$R$  = rate (deaths per 100,000 population).

$D$  = total number of deaths upon which rate is based

$f$  = factor that depends on whether the population estimate is based on demographic analysis or CPS and the number of years used (see below)

$a$  and  $b$  factors are CPS standard error parameters (see below)

$P$  = total estimated population upon which rate is based (if rate is based on a 3-year average, then an approximate  $P$  would be three times the population for the most recent year)

$$S(R) = R * \frac{RSE(R)}{100} = \text{standard error of rate}$$

$L(1 - \alpha = .96, D)$  and  $U(1 - \alpha = .96, D)$  are lower and upper 96% confidence limit factors and are shown in table S

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Age-adjusted death rates--

$$RSE(R'') = 100 \frac{\sqrt{\sum \left( w_i^2 * R_i^2 \left( \frac{1}{D_i} + f \left( a + \frac{b}{P} \right) \right) \right)}}{R''}$$

Approximate 95% Confidence

Interval: 100 or more deaths

Lower:  $R'' - 1.96 * S(R'')$

Upper:  $R'' + 1.96 * S(R'')$

Approximate 95% Confidence Interval: 1-99 deaths

Lower:  $R'' * L(1 - \alpha = .96, D_{adj}) * (1 - 2.576 * RSE(P_{adj}))$

Upper:  $R'' * U(1 - \alpha = .96, D_{adj}) * (1 + 2.576 * RSE(P_{adj}))$

where

$R''$  = age-adjusted rate (per 100,000 population) =  $\sum w_i R_i$

$w_i$  =  $i^{th}$  age-specific Standard Population such that  $\sum (w_i) = 1.0$

$R_i$  = age-specific rate (per 100,000) for the  $i^{th}$  age group

$D_i$  = total number of deaths for the  $i^{th}$  age group upon which age-specific rate is based

$f$  = factor that depends on whether the population estimate is based on demographic analysis or CPS and the number of years used (see below)

$a$  and  $b$  factors are CPS standard error parameters (see below)

$P_i$  = total estimated population for the  $i^{th}$  age group upon which the rate is based (if rate is based on 3-year average, then combined  $P_i$  would be three times the population for the most recent year)

$$S(R'') = R'' * \frac{RSE(R'')}{100} = \text{standard error of age-adjusted rate}$$

$L(1 - \alpha = .96, D_{adj})$  and  $U(1 - \alpha = .96, D_{adj})$  are lower and upper 96% confidence limit factors and are shown in table S

$P_{adj} = \sum (w_i * P_i)$  = adjusted estimated population rounded to nearest integer

$$RSE(P_{adj}) = \frac{\sqrt{\sum \left( w_i^2 * P_i^2 * f \left( a + \frac{b}{P} \right) \right)}}{P_{adj}}$$

$$D_{adj} = \text{smaller of } \sum(D_i) \text{ or } \frac{1}{RSE(R'')^2 - RSE(P_{adj})^2} = \begin{matrix} \text{adjusted number of deaths} \\ \text{rounded to the} \\ \text{nearest integer} \end{matrix}$$

If  $D_{adj}$  is negative, set  $D_{adj}$  to  $\sum(D_i)$

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Shown below are the “*a*”, “*b*”, and “*f*” factors for various race, origin, marital status, and educational attainment classifications, by whether the population-based rate was based on a single year (76) or 3-year average (76-78):

<u>Race, origin, and marital status</u>	<u>Rate based on 1 year</u>	<u>Rate based on 3 years</u>
All races, white, American Indian, all origins, total Hispanic, total non-Hispanic, non-Hispanic white; by never married, married, widowed, divorced	<i>f</i> = 0.670 <i>a</i> = -0.000019 <i>b</i> = 5,211	<i>f</i> = 0.440 <i>a</i> = -0.000019 <i>b</i> = 15,633
Black, non-Hispanic black; by never married, married, widowed, divorced	<i>f</i> = 0.670 <i>a</i> = -0.000213 <i>b</i> = 7,486	<i>f</i> = 0.440 <i>a</i> = -0.000214 <i>b</i> = 22,458
Asian or Pacific Islander; by never married, married, widowed, divorced	<i>f</i> = 0.670 <i>a</i> = -0.000587 <i>b</i> = 7,486	<i>f</i> = 0.440 <i>a</i> = -0.000587 <i>b</i> = 22,458
Mexican, Puerto Rican, Cuban, Other Hispanic; all marital status groups combined, never married, married, widowed, divorced	<i>f</i> = 0.670 <i>a</i> = -0.000238 <i>b</i> = 7,486	<i>f</i> = 0.440 <i>a</i> = -0.000240 <i>b</i> = 22,458
All races, white, American Indian, all origins, total Hispanic, total non-Hispanic, non-Hispanic white; by educational attainment	<i>f</i> = 0.670 <i>a</i> = -0.000011 <i>b</i> = 2,369	<i>f</i> = 0.440 <i>a</i> = -0.000011 <i>b</i> = 7,107
Black, non-Hispanic black; by educational attainment	<i>f</i> = 0.670 <i>a</i> = -0.000106 <i>b</i> = 2,680	<i>f</i> = 0.440 <i>a</i> = -0.000117 <i>b</i> = 8,040
Mexican, Puerto Rican, Cuban, Other Hispanic; by educational attainment	<i>f</i> = 0.670 <i>a</i> = -0.000082 <i>b</i> = 1,811	<i>f</i> = 0.440 <i>a</i> = -0.000109 <i>b</i> = 6,673



**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

The following formulas may be used for live birth-based mortality rates:

The formulas for the RSE and 95-percent CI's of an infant mortality rate (IMR) are as follows:

$$RSE(IMR) = 100 \sqrt{\frac{I}{D} + \frac{I}{B}}$$

Approximate 95% Confidence Interval: 100 or more infant deaths

Lower:  $IMR - 1.96 * S(IMR)$

Upper:  $IMR + 1.96 * S(IMR)$

Approximate 95% Confidence Interval: 1-99 infant deaths

Lower:  $IMR * L(1 - \alpha = .95, D_{adj})$

Upper:  $IMR * U(1 - \alpha = .95, D_{adj})$

where

$IMR$  = infant mortality rate (infant deaths per 100,000 live births)

$D$  = total number of infant deaths upon which rate is based

$B$  = total number of live births upon which IMR is based

$$S(IMR) = IMR * \frac{RSE(IMR)}{100} = \text{standard error of infant mortality rate}$$

$L(1 - \alpha = .95, D_{adj})$  and  $U(1 - \alpha = .95, D_{adj})$  are lower and upper 95% confidence limit factors and are shown in table S

$$D_{adj} = \frac{D * B}{D + B} = \begin{array}{l} \text{adjusted number of infant deaths that takes} \\ \text{into account the RSE of the number} \\ \text{of infant deaths and live births} \end{array}$$

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

**Statistical tests**

For testing the equality of two rates,  $R_1$  and  $R_2$ , the  $z$ -test may be used (when both rates are based on 100 deaths or more) or the overlap of 95% CI's of the rates may be used (when either or both of the rates are based on less than 100 deaths).

The  $z$ -test is determined as follows:

$$z = \frac{R_1 - R_2}{\sqrt{R_1^2 \left( \frac{RSE(R_1)}{100} \right)^2 + R_2^2 \left( \frac{RSE(R_2)}{100} \right)^2}}$$

to define a significance test statistic. If  $|z|$  is greater than or equal 1.96, then the difference would be considered statistically significant at the 0.05 level; and if  $|z|$  is less than 1.96, the difference is not statistically significant.

As a hypothetical example, if the three-year average death rate for Mexicans,  $R_1$ , is 36.4 (based on  $D=120$  deaths and  $P=330,000$  population for the three years combined) and the three-year rate for non-Hispanic whites,  $R_2$ , is 13.8 (based on  $D=180$  deaths and  $P=1,300,000$  population for the three years combined), then using the formulas above the RSE's and  $z$ -test are computed as follows:

$$RSE(R_1) = 100 \sqrt{\frac{1}{120} + 0.440 * \left( -.000297 + \frac{20,595}{330,000} \right)} = 18.88\%$$

$$RSE(R_2) = 100 \sqrt{\frac{1}{180}} = 7.45\%$$

and

$$z = \frac{36.4 - 13.8}{\sqrt{36.4^2 \left( \frac{18.88}{100} \right)^2 + 13.8^2 \left( \frac{7.45}{100} \right)^2}} = 3.25$$

Since  $|z|$  is greater than 1.96, the difference between the two rates is statistically significant at the 0.05 level of significance.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

If either of two rates is based on less than 100 deaths, then one may determine if the 95% CI's overlap as an indication of a statistically significant or non-significant difference. Users of the method of comparing confidence intervals should be aware that this method is a conservative test for statistical significance. That is, the difference between two rates may, in fact, be statistically significant even though confidence intervals for the two rates overlap (79). Thus, caution should be observed when interpreting a non-significant difference between two rates, especially when the lower and upper limits being compared overlap only slightly.

As a hypothetical example, if the three-year average death rate for Cubans,  $R_3$ , is 26.7 (based on  $D=40$  deaths and  $P=150,000$  population for the three years combined) and the three-year rate for non-Hispanic blacks,  $R_4$ , is 61.5 (based on  $D=400$  deaths and  $P=650,000$  population for the three years combined), then the 95% CI's are computed using information from the following formulas and table S:

95% CI for  $R_3$

$$Lower := 26.7 * 0.70266 \left( 1 - 2.576 \sqrt{0.44 * \left( -.000297 + \frac{20,595}{150,000} \right)} \right) = 6.9$$

$$Upper := 26.7 * 1.37991 \left( 1 + 2.576 \sqrt{0.44 * \left( -.000297 + \frac{20,595}{150,000} \right)} \right) = 60.1$$

95% CI for  $R_4$

$$RSE(R_4) = 100 \sqrt{\frac{1}{400}} = 5.00\%$$

$$Lower = 61.5 - (1.96) = 55.5$$

$$Upper = 61.5 + (1.96) = 67.5$$

Since the CI's overlap, the difference between  $R_3$  and  $R_4$  is not statistically significant.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

## References

1. Tolson GC, Barnes JM, Gay GA, Kowaleski JL. The 1989 revision of the U.S. standard certificates and reports. National Center for Health Statistics. *Vital Health Stat* 4(28). 1991.  
<http://www.cdc.gov/nchs/data/dvs/std-dcrt.pdf>
2. Hetzel AM. U.S. vital statistics system: major activities and developments, 1950-95. National Center for Health Statistics. 1997. <http://www.cdc.gov/nchs/data/misc/usvss.pdf>
3. National Center for Health Statistics. Vital statistics, demographic classification and coding instructions for death records, 1999. NCHS instruction manual; part 4. Hyattsville, Maryland: National Center for Health Statistics. 1998. <http://www.cdc.gov/nchs/data/dvs/4manual.pdf>
4. McCarthy MA. Comparison of the classification of place of residence on death certificates and matching census records: United States, May-August 1960. National Center for Health Statistics. *Vital and Health Stat* 2(30). 1969. [http://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_030.pdf](http://www.cdc.gov/nchs/data/series/sr_02/sr02_030.pdf)
5. National Center for Health Statistics. Vital statistics, vital records geographic classification, 1995. NCHS instruction manual; part 8. Hyattsville, Maryland: National Center for Health Statistics. 1995.
6. U.S. Bureau of the Census. Population of metropolitan areas and component geography: 1990 and 1980 (6-30-93 definitions). CPH-L-145. Washington: U.S. Department of Commerce. 1993.
7. U.S. Department of Commerce. Metropolitan statistical areas classification. Federal register; vol 45 no 2. Washington: U.S. Government Printing Office, 956-62. 1980.
8. U.S. Office of Management and Budget. Standard metropolitan statistical areas, rev. ed. Washington: U.S. Government Printing Office, 89-90. 1975.
9. U.S. Bureau of the Census. 1990 Census of population. General population characteristics; (1990 CP-1-1). Washington: U.S. Department of Commerce. 1992.
10. National Center for Health Statistics. Public-use data set documentation: Mortality data set for ICD-10, 1999. Hyattsville, Maryland: National Center for Health Statistics. Forthcoming.
11. Hambright TZ. Comparability of marital status, race, nativity, and country of origin on the death certificate and matching census record: United States, May-August 1960. National Center for Health Statistics. *Vital Health Stat* 2(34). 1969. [http://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_034acc.pdf](http://www.cdc.gov/nchs/data/series/sr_02/sr02_034acc.pdf)
12. Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. *Vital Health Stat* 2(128). 1999. [http://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_128.pdf](http://www.cdc.gov/nchs/data/series/sr_02/sr02_128.pdf)
13. Hogan H. The 1990 Post-enumeration survey: Operations and results. *J Am Stat Assoc* 88(423):1047-60. 1993.
14. Poe GS, Powell-Griner E, McLaughlin JK, et al. Comparability of the death certificate and the 1986 national mortality followback survey. National Center for Health Statistics. *Vital Health Stat* 2(118). 1993. [http://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_118.pdf](http://www.cdc.gov/nchs/data/series/sr_02/sr02_118.pdf)
15. U.S. Bureau of the Census. Unpublished Census file NESTV99. Consistent with populations published in: U.S. population estimates, by age, sex, race, and Hispanic origin: 1990-1999. Washington, DC. 2000.
16. U.S. Bureau of the Census. Population estimates based on unpublished tabulations prepared by the Housing and Household Economic Statistics Division. 2000.
17. Sorlie PD, Rogot E, Johnson NJ. Validity of demographic characteristics on the death certificate. *Epidemiology* 3(2):181-4. 1992.
18. Klebba AJ. Mortality from selected causes by marital status: United States, parts A and B. National Center for Health Statistics. *Vital Health Stat* 20(8a) and 20(8b). 1970. [http://www.cdc.gov/nchs/data/series/sr\\_20/sr20\\_008aacc.pdf](http://www.cdc.gov/nchs/data/series/sr_20/sr20_008aacc.pdf) and [http://www.cdc.gov/nchs/data/series/sr\\_20/sr20\\_008bacc.pdf](http://www.cdc.gov/nchs/data/series/sr_20/sr20_008bacc.pdf)
19. Hoyert DL, Arias E, Smith BL, Murphy SL, Kochanek KD. Deaths: Final data for 1999. National vital statistics reports; vol 49 no 8. Hyattsville, Maryland: National Center for Health Statistics. 2001. [http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49\\_08.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_08.pdf)
20. Sorlie PD, Johnson NJ. Validity of education information on the death certificate. *Epidemiology* 7(4): 437-439. 1996.
21. Kominski R, Adams A. Education attainment in the United States: March 1993 and 1992. U.S. Bureau of the Census. Current Population Reports: Series P20-476. Washington: U.S. Government Printing Office. 1994.
22. National Center for Health Statistics. Industry and occupation coding for death certificates, 1998. NCHS instruction manual, Part 19. Hyattsville, Maryland: National Center for Health Statistics. 1997.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

23. U.S. Bureau of the Census. Classified index of industries and occupations. 1990 Census of Population and Housing. Washington: U.S. Department of commerce. 1992.
24. World Health Organization. International Statistical Classification of Diseases and Related Health Problems, Tenth Revision. Geneva: World Health Organization. 1992.
25. World Health Organization: Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, based on the recommendations of the Ninth Revision Conference. 1975. Geneva. World Health Organization. 1977.
26. National Center for Health Statistics. ICD-10 Cause-of-death lists for tabulating mortality statistics, effective 1999. NCHS instruction manual, Part 9. Hyattsville, Maryland: National Center for Health Statistics. 1997.
27. U.S. Bureau of the Census. Some things you can't prove by mortality statistics, by G. H. Van Buren. Vital statistics—Special reports, vol 12 no 13. Washington, D.C. January 1940.
28. U.S. Bureau of the Census. Comparison of cause-of-death assignments by the 1929 and 1938 revisions of the international lists, deaths in the United States, 1940, by H. L. Dunn and W. Shackley. Vital statistics—Special reports, vol 19 no 14. Washington, D.C. June 1944.
29. Anderson RN, Miniño AM, Hoyert DL, Rosenberg HM. Comparability of Cause of Death Between ICD-9 and ICD-10: Preliminary Estimates. National vital statistics reports; vol 49 no 2. Hyattsville, Maryland: National Center for Health Statistics. 2001. [http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49\\_02.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_02.pdf)
30. National Center for Health Statistics. M. M. Faust and A. B. Dolman: Comparability of mortality statistics for the Fifth and Sixth Revisions, United States, 1950. Vital Statistics—Special Reports, vol 51 no 2. Public Health Service. Washington, D.C. December 1963.
31. National Center for Health Statistics. M. M. Faust and A. B. Dolman: Comparability ratios based on mortality statistics for the Fifth and Sixth Revisions, United States, 1950. Vital Statistics—Special Reports, vol 51 no 3. Public Health Service. Washington, D.C. February 1964.
32. World Health Organization: Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, Addendum 1, Supplementary Interpretations and Instructions for Coding Causes of Death. Geneva. World Health Organization. 1953.
33. World Health Organization: Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, Based on the Recommendations of the Seventh Revision Conference, 1955. Geneva. World Health Organization. 1957.
34. National Center for Health Statistics. M. M. Faust and A. B. Dolman: Comparability of mortality statistics for the Sixth and Seventh Revisions, United States, 1958. Vital Statistics—Special Reports, vol 51 no 4. Public Health Service. Washington, D.C. March 1965.
35. National Center for Health Statistics: Eighth Revision International Classification of Diseases, Adapted for Use in the United States. PHS Pub. No 1693. Public Health Service. Washington. U.S. Government Printing Office. 1967.
36. World Health Organization: Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, Based on the Recommendations of the Eighth Revision Conference. 1965. Geneva. World Health Organization. 1967.
37. Santo DS. ICD-9 and ICD-9-CM: Increased complexity, Medical record News. June 1978, pp.8-13.
38. National Center for Health Statistics. Estimates of selected comparability ratios based on dual coding of 1976 death certificates by the Eighth and Ninth Revisions of the International Classification of Diseases. Monthly vital statistics report; vol 28 no 11, suppl. Hyattsville, Maryland: Public Health Service. 1980. [http://www.cdc.gov/nchs/data/mvsvr/supp/mv28\\_11s.pdf](http://www.cdc.gov/nchs/data/mvsvr/supp/mv28_11s.pdf)
39. Gittelsohn A, Royston PN. Annotated bibliography of cause-of-death validation studies, 1958-80. National Center for Health Statistics. Vital Health Stat 2(89). 1982. [http://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_089acc.pdf](http://www.cdc.gov/nchs/data/series/sr_02/sr02_089acc.pdf)
40. National Center for Health Statistics. Vital statistics, ICD-10 ACME decision tables for classifying underlying causes of death, 1999. NCHS instruction manual; part 2c. Hyattsville, Maryland: National Center for Health Statistics. 1998.
41. National Center for Health Statistics. Vital statistics, instructions for classifying the underlying cause of death. NCHS instruction manual; part 2a. Hyattsville, Maryland: National Center for Health Statistics. Published annually.
42. National Center for Health Statistics. Vital statistics, instructions for classifying multiple causes of death. NCHS instruction manual; part 2b. Hyattsville, Maryland: National Center for Health Statistics. Published annually.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

43. National Center for Health Statistics. Vital statistics, nonindexed terms, standard abbreviations, and State geographic codes used in mortality data classification. NCHS instruction manual; part 2e. Hyattsville, Maryland: National Center for Health Statistics. Published annually until 1999.
44. National Center for Health Statistics. Vital statistics, data entry instructions for the mortality medical indexing, classification, and retrieval system (MICAR). NCHS instruction manual; part 2g. Hyattsville, Maryland: National Center for Health Statistics. Published annually.
45. National Center for Health Statistics. Vital statistics, dictionary of valid terms for the mortality medical indexing, classification, and retrieval system (MICAR). NCHS instruction manual; part 2h. Hyattsville, Maryland: National Center for Health Statistics. Published annually.
46. Harris KW, Rosenberg HM, Kochanek KD, et al. Evaluation of an automated multiple causes of death coding system. In: American Statistical Association. 1993 Proceedings of the social statistics section. Alexandria, Virginia: American Statistical Association. 262-5. 1993.
47. Hoyert DL. Effect on mortality rates of the 1989 change in tabulating race. National Center for Health Statistics. Vital Health Stat 20(25). 1994. [http://www.cdc.gov/nchs/data/series/sr\\_20/sr20\\_025.pdf](http://www.cdc.gov/nchs/data/series/sr_20/sr20_025.pdf)
48. Guralnick L, Winter ED. A note on cohort infant mortality rates. Public Health Rep 80:692-4. 1965.
49. Grove RD, Hetzel AM. Vital statistics rates in the United States, 1940-60. National Center for Health Statistics. Washington: Public Health Service. 1968. [http://www.cdc.gov/nchs/data/vsus/vsrates1940\\_60.pdf](http://www.cdc.gov/nchs/data/vsus/vsrates1940_60.pdf)
50. McCarthy B, Terry J, Rochat R, et al. The underregistration of neonatal deaths: Georgia 1974-77. Am J Public Health 70:977-82. 1980.
51. Linder FE, Grove RD. Vital statistics rates in the United States, 1900-40. Washington: National Office of Vital Statistics. 1947. [http://www.cdc.gov/nchs/data/vsus/vsrates1900\\_40.pdf](http://www.cdc.gov/nchs/data/vsus/vsrates1900_40.pdf)
52. Chase HC, Weiner L, Garfinkel J. Vital signs present at birth. National Center for Health Statistics. Vital and Health Stat 2(46). 1972. [http://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_046acc.pdf](http://www.cdc.gov/nchs/data/series/sr_02/sr02_046acc.pdf)
53. Frost F, Shy KK. Racial differences between linked birth and infant death records in Washington State. Am J Public Health 70:974-6. 1980.
54. National Center for Health Statistics. Vital statistics, computer edits for mortality data, effective 1999. NCHS instruction manual; part 11. Hyattsville, Maryland: National Center for Health Statistics. 1998.
55. National Center for Health Statistics. Vital statistics, ICD-10 cause-of-death querying, 1999. NCHS instruction manual; part 20. Hyattsville, Maryland: National Center for Health Statistics. 1999. <http://www.cdc.gov/nchs/data/dvs/20manual.pdf>
56. U.S. Bureau of the Census. Population estimates for the U.S. and States by single year of age and sex: July 1, 1999. Internet release date: March 9, 2000. <http://www.census.gov/population/estimates/state/stats/st-99-10.txt>.
57. U.S. Bureau of the Census. U.S. population estimates by age, sex, race, and Hispanic origin: 1980-91. Current population reports; series P-25, no 1095. Washington: U.S. Department of Commerce. 1993.
58. Office of Management and Budget. Race and ethnic standards for federal statistics and administrative reporting. Statistical policy directive 15. 1977.
59. National Center for Health Statistics. Technical appendix. Vital statistics of the United States, 1980, vol II, mortality, part A. Washington: Public Health Service. 1985. <http://www.cdc.gov/nchs/dataawh/statab/pubd/ta.htm>
60. U.S. Bureau of the Census. Coverage of the national population in the 1980 census by age, sex, and race. Preliminary estimates by demographic analysis. Current population reports; series P-23, no 115. Washington: U.S. Department of Commerce. 1982.
61. Hambright TZ. Comparability of age on the death certificate and matching census records: United States, May-August 1960. National Center for Health Statistics. Vital Health Stat 2(29). 1968. [http://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_029.pdf](http://www.cdc.gov/nchs/data/series/sr_02/sr02_029.pdf)
62. U.S. Bureau of the Census. Estimates of coverage of the population by sex, race, and age--demographic analysis: 1970 census of population and housing. PHC(E)-4. Washington: U.S. Department of Commerce. 1974.
63. U.S. Bureau of the Census. Developmental estimates of the coverage of the population of States in the 1970 census--demographic analysis. Current population reports; series P-23, no 65. Washington: U.S. Department of Commerce. 1977.
64. Passel JS, Robinson JG. Revised demographic estimates of the coverage of the population by age, sex, and race in the 1980 Census. Unpublished memorandum, U.S. Bureau of the Census. Washington: U.S. Department of Commerce. 1985.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

65. U.S. Bureau of the Census. Estimates of population of the United States by age, sex, and race: 1980 to 1985. Current population reports; series P-25, no 985. Washington: U.S. Department of Commerce. 1986.
66. Feinleib M, Zarate AO, eds. Reconsidering age adjustment procedures: Workshop proceedings. National Center for Health Statistics. Vital Health Stat 4(29). 1992.  
[http://www.cdc.gov/nchs/data/series/sr\\_04/sr04\\_029.pdf](http://www.cdc.gov/nchs/data/series/sr_04/sr04_029.pdf)
67. Anderson RN, Rosenberg HM. Age standardization of death rates: Implementation of the year 2000 standard. National vital statistics reports; vol 47 no 3. Hyattsville, Maryland: National Center for Health Statistics. 1998. [http://www.cdc.gov/nchs/data/nvsr/nvsr47/nvs47\\_03.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr47/nvs47_03.pdf)
68. Sirken MG. Comparison of two methods of constructing abridged life tables by reference to a "standard" table. National Center for Health Statistics. Vital Health Stat 2(4). 1966.  
[http://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_004.pdf](http://www.cdc.gov/nchs/data/series/sr_02/sr02_004.pdf)
69. Anderson RN. Method for constructing complete annual U.S. life tables. National Center for Health Statistics. Vital and Health Stat 2(129). 1999. [http://www.cdc.gov/nchs/data/series/sr\\_02/sr02\\_129.pdf](http://www.cdc.gov/nchs/data/series/sr_02/sr02_129.pdf)
70. National Center for Health Statistics. U.S. decennial life tables for 1989-91, vol 1, no 2, methodology of the national and State life tables. Hyattsville, Maryland. 1998.
71. Kestenbaum B. A description of the extreme aged population based on improved Medicare enrollment data. Demography 29:565-580. 1992.
72. Greville TNE, Carlson GA. Estimated average length of life in the death-registration States. Vital statistics-Special reports. vol 33 no 9. National Center for Health Statistics. Washington: Public Health Service. 1951.
73. Kochanek KD, Maurer JD, Rosenberg HM. Causes of death contributing to changes in life expectancy: United States, 1984-1989. National Center for Health Statistics. Vital and Health Stat 20 (23). 1994.  
[http://www.cdc.gov/nchs/data/series/sr\\_20/sr20\\_023.pdf](http://www.cdc.gov/nchs/data/series/sr_20/sr20_023.pdf)
74. Arriaga EE. Changing trends in mortality decline during the last decades. In: Ruzicka L, Wunsch G, Kane P, eds. Differential mortality: Methodological issues and biosocial factors. Oxford: Clarendon Press. 1989.
75. Chiang CL. Standard error of the age-adjusted death rate. Vital statistics-Special reports. vol 47 no 9. National Center for Health Statistics. Washington: Public Health Service. 1961.
76. U.S. Census Bureau, Current Population Reports, P60-209, *Money Income in the United States: 1999*, U.S. Government Printing Office, Washington, DC, 2000.
77. U.S. Census Bureau, Current Population Reports, P60-200, *Money Income in the United States: 1997 (With Separate Data on Valuation of Noncash Benefits)*, U.S. Government Printing Office, Washington, DC, 1998.
78. U.S. Census Bureau, Current Population Reports, P60-206, *Money Income in the United States: 1998*, U.S. Government Printing Office, Washington, DC, 1999.
79. Schenker N, Gentleman JF. On judging the significance of differences by examining the overlap between confidence intervals. Amer Stat 55:182-186. 2001.
80. Pearson, ES, Hartley, HO. Biometrika tables for statisticians, vol I. Cambridge University Press. 1966.

VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999  
 TECHNICAL APPENDIX

Figure 1. U.S. Standard Certificate of Death

**U.S. STANDARD  
 CERTIFICATE OF DEATH**

U.S.A. FILE NUMBER STATE FILE NUMBER

<b>DECEDENT</b>	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)	
<b>PARENTS</b>	8. WAS DECEDENT EVER IN U.S. ARMED FORCES? (Yes or no)		9a. PLACE OF DEATH (Check only one; see instructions on other side)			
	9b. FACILITY NAME (If not institution, give street and number)		9c. CITY, TOWN, OR LOCATION OF DEATH			
<b>INFORMANT</b>	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			
<b>DISPOSITION</b>	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.)		15. RACE—American Indian, Black, White, etc. (Specify)	
<b>PRONOUNCING PHYSICIAN ONLY</b>	16. DECEDENT'S EDUCATION (Specify only highest grade completed) Elementary/Secondary 10-12   College (1-4 or 5+)		17. FATHER'S NAME (First, Middle, Last)			
	18. MOTHER'S NAME (First, Middle, Maiden Surname)			19a. INFORMANT'S NAME (Type/Print)		
<b>CAUSE OF DEATH</b>	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			
<b>CERTIFIER</b>	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.		23b. LICENSE NUMBER	23c. DATE SIGNED (Month, Day, Year)		
<b>REGISTRAR</b>	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.					
28a. IMMEDIATE CAUSE (Final disease or condition resulting in death)		a. DUE TO (OR AS A CONSEQUENCE OF):			Approximate Interval Between Onset and Death	
b. 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):				
c. DUE TO (OR AS A CONSEQUENCE OF):		c. DUE TO (OR AS A CONSEQUENCE OF):				
d. DUE TO (OR AS A CONSEQUENCE OF):		d. DUE TO (OR AS A CONSEQUENCE OF):				
PART II. Other significant conditions contributing to death but not resulting in the underlying cause given in Part I.		28b. WAS AN AUTOPSY PERFORMED? (Yes or no)		28c. 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"/> Suicide <input type="checkbox"/> Homicide <input type="checkbox"/> Could not be Determined		30a. DATE OF INJURY (Month, Day, Year)	30b. TIME OF INJURY M	30c. INJURY AT WORK? (Yes or no)	30d. DESCRIBE HOW INJURY OCCURRED	
30a. 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)		[ ] 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.				
		[ ] 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.				
		[ ] 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)		

DEPARTMENT OF HEALTH AND HUMAN SERVICES - PUBLIC HEALTH SERVICE - NATIONAL CENTER FOR HEALTH STATISTICS - 1989 REVISION  
 PH-5-T-003



**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table A. Percent agreement between number of deaths from death certificates and from census and Current Population Survey files, by race and Hispanic origin, and ratio of number of deaths 1960 census and the National Longitudinal Mortality Study

Race <sup>1</sup> and Hispanic origin <sup>2</sup>	1960 census		NLMS <sup>3</sup> 1979-1985/1989	
	Percent agreement	Ratio of census to death certificate	Percent agreement	Ratio of CPS <sup>4</sup> to death certificate
White.....	99.8	1.00	99.8	1.00
Black.....	98.2	1.00	98.6	1.00
American Indian <sup>5</sup> .....	79.2	1.12	57.4	1.37
Asian or Pacific Islander.....	---	---	82.5	1.13
Japanese.....	97.0	1.04	---	---
Chinese.....	90.3	1.07	---	---
Filipino.....	72.6	1.28	---	---
Hispanic.....	---	---	89.7	1.07
Mexican.....	---	---	84.9	1.11
Puerto Rican.....	---	---	85.9	1.04
Cuban.....	---	---	80.0	1.07
Other Hispanic.....	---	---	47.6	0.89
Non-Hispanic.....	---	---	99.8	1.00

--- Data not available.

<sup>1</sup> NLMS race data are nine CPS files and for deaths occurring 1979-89.

<sup>2</sup> NLMS Hispanic-origin data are for 12 CPS fields and for deaths occurring 1979-85 for selected States.

<sup>3</sup> National Longitudinal Mortality Study.

<sup>4</sup> Current Population Survey.

<sup>5</sup> Includes Aleuts and Eskimos.

SOURCES: Hambright TZ. Comparability of marital status, race, nativity, and country of origin on the death certificate and matching census record: U.S., May-August 1960. National Center for Health Statistics. Vital Health Stat 2(34). 1969; Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999. Sorlie PD, Rogot E, Johnson NJ. Validity of demographic characteristics on the death certificate. Epidemiology 3(2):181-4. 1992.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table B. Reported age-adjusted death rates and rates adjusted for reporting bias and undercoverage, by race and Hispanic origin: United States, 1999

[Age-adjusted rates per 100,000 U.S. standard population based on year 2000 standard]

Race and origin	1999 age-adjusted rate <sup>1</sup>	1979-89 NLMS ratio <sup>2</sup>	1990 census undercount ratio <sup>3</sup>	Combined ratio <sup>4</sup>	Rates adjusted for reporting bias and estimated census undercount <sup>5</sup>	Race ratio <sup>6</sup> before adjustment	Estimated race ratio <sup>6</sup> after adjustment
White.....	860.7	1.00	0.99	0.99	852.1	1.00	1.00
Black.....	1,147.1	1.00	0.95	0.95	1,089.7	1.33	1.28
American Indian <sup>7</sup> .....	716.1	1.37	0.88	1.21	866.5	0.83	1.02
Asian or Pacific Islander <sup>8</sup> .....	517.5	1.13	0.98	1.11	574.4	0.60	0.67
Hispanic.....	601.0	1.07	0.95	1.02	613.0	0.70	0.72

--- Data not available.

<sup>1</sup> Hoyert DL, Arias E, Smith BS, Murphy SL, Kochanek KD. Deaths: Final data for 1999. National vital statistics reports; vol 49 no 8. Hyattsville, Maryland: National Center for Health Statistics. 2001.

<sup>2</sup> The National Longitudinal Mortality Study (NLMS) race ratios based on weighted data for nine Current Population Survey (CPS) files; NLMS ratios are the ratio of CPS-weighted number of deaths for a race group divided by the death certificated weighted number of deaths for the corresponding race group. The ratio for Hispanic persons was based on 12 CPS files for selected States for 1979-85.

<sup>3</sup> The census undercount ratio is based on the ratio of the 1990 resident census-level population to the resident population adjusted for net census undercount (Hogan H. The 1990 post-enumeration survey: Operations and results. J Am Stat Assoc 88(423):1047-60. 1993).

<sup>4</sup> Product of the NLMS ratio multiplied by the census undercount ratio.

<sup>5</sup> Product of the 1999 age-adjusted rate multiplied by the combined ratio.

<sup>6</sup> Ratio of the rate for a race or origin group to the rate for the white population.

<sup>7</sup> Includes Aleuts and Eskimos.

<sup>8</sup> Includes deaths among Chinese, Filipino, Hawaiian, Japanese, and other Asian or Pacific Islanders.

NOTE: The NLMS ratios, the census undercount ratios, and the age-adjusted rates are subject to variability and/or biases. Therefore, the results based on these ratios should be interpreted with caution.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table C. Number of States whose Hispanic data was considered of sufficient quality for analysis and publication by NCHS and estimated percent of U.S. Hispanic population residing in reporting States, 1984-1999

Year	Number of States whose Hispanic data was considered of sufficient quality for analysis and publication by NCHS	Estimated percent of U.S. Hispanic population residing in reporting States <sup>1</sup>
1999.....	50 States and D.C.	100.0
1998.....	50 States and D.C.	100.0
1997.....	50 States and D.C.	100.0
1996.....	49 States and D.C.	99.6
1995.....	49 States and D.C.	99.6
1994.....	49 States and D.C.	99.6
1993.....	49 States and D.C.	99.6
1992.....	48 States and D.C.	99.6
1991.....	47 States, New York State (excl. New York City) and D.C.	91
1990.....	45 States, New York State (excl. New York City) and D.C.	89
1989.....	44 States and D.C.	97
1988.....	26 States and D.C.	82
1987.....	18 States and D.C.	80
1986.....	18 States and D.C.	80
1985.....	17 States and D.C.	77
1984.....	15 States	45

<sup>1</sup> Percents are based on the 1980 Census for 1984-89 and on the 1990 Census for 1990-99.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table D. Year in which State began reporting Hispanic data and year in which data reached level of acceptable quality and completeness for analysis by NCHS: Each State

[Prior to 1992, mortality data by Hispanic origin was considered of acceptable completeness if it was at least 90 percent complete on a place-of-occurrence basis. Thereafter, it was considered of acceptable completeness if it was at least 80 percent complete]

States	Year in which State first began reporting deaths by Hispanic origin	Year data reach level of acceptable quality and completeness for analysis by NCHS
Alabama .....	1988	1988
Alaska .....	1989	1989
Arizona .....	1984	1984
Arkansas .....	1984	1985
California .....	1984	1985
Colorado .....	1984	1984
Connecticut .....	1989	1991
Delaware .....	1989	1989
District of Columbia .....	1984	1985
Florida .....	1989	1989
Georgia .....	1984	1984
Hawaii .....	1984	1984
Idaho .....	1989	1989
Illinois .....	1984	1984
Indiana .....	1984	1984
Iowa .....	1989	1989
Kansas .....	1984	1984
Kentucky .....	1988	1988
Louisiana .....	1991	1991
Maine .....	1984	1988
Maryland .....	1989	1990
Massachusetts .....	1989	1989
Michigan .....	1989	1989
Minnesota .....	1989	1989
Mississippi .....	1984	1984
Missouri .....	1989	1989
Montana .....	1988	1988
Nebraska .....	1984	1984
Nevada .....	1984	1989
New Hampshire .....	1993	1993
New Jersey .....	1984	1986
New Mexico .....	1984	1989
New York (excluding New York City) 1/ .....	1984	1984
New York City .....	1984	1984
North Carolina .....	1988	1988
North Dakota .....	1984	1984
Ohio .....	1984	1984
Oklahoma .....	1997	1997
Oregon .....	1988	1988
Pennsylvania .....	1989	1989
Rhode Island .....	1988	1988
South Carolina .....	1989	1989
South Dakota .....	1989	1989
Tennessee .....	1984	1989

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table D. Year in which State began reporting Hispanic data and year in which data reached level of acceptable quality and completeness for analysis by NCHS: Each State

[Prior to 1992, mortality data by Hispanic origin was considered of acceptable completeness if it was at least 90 percent complete on a place-of-occurrence basis. Thereafter, it was considered of acceptable completeness if it was at least 80 percent complete]

States	Year in which State first began reporting deaths by Hispanic origin	Year data reach level of acceptable quality and completeness for analysis by NCHS
Texas .....	1984	1984
Utah .....	1984	1984
Vermont.....	1989	1989
Virginia.....	1989	1990
Washington.....	1988	1988
West Virginia .....	1989	1989
Wisconsin .....	1989	1989
Wyoming .....	1984	1984

1/ Data were excluded from analysis in 1990 and 1991 because more than 10 percent of New York City's deaths were classified to "unknown origin.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table E. Comparable category codes and estimated comparability ratios for 113 selected causes of death, injury by firearms, drug-induced deaths and alcohol-induced deaths according to the Ninth and Tenth Revisions, *International Classification of Diseases*

Cause of death (Based on the <i>Tenth Revision, International Classification of Diseases, 1992</i> )	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Relative standard error	Standard error	95 percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Salmonella infections .....	A01-A02	002-003	30	37	0.8108	0.0644	7.9	0.6846	0.9370
Shigellosis and amebiasis .....	A03,A06	004,006	*	*	*	*	*	*	*
Certain other intestinal infections.....	A04,A07-A09	007-009	*	*	*	*	*	*	*
Tuberculosis .....	A16-A19	010-018	653	764	0.8547	0.0172	2.0	0.8209	0.8885
Respiratory tuberculosis .....	A16	010-012	518	572	0.9056	0.0201	2.2	0.8662	0.9450
Other tuberculosis.....	A17-A19	013-018	135	192	0.7031	0.0407	5.8	0.6233	0.7830
Whooping cough .....	A37	033	*	*	*	*	*	*	*
Scarlet fever and erysipelas .....	A38,A46	034.1-035	*	*	*	*	*	*	*
Meningococcal infection .....	A39	036	221	222	0.9955	0.0149	1.5	0.9663	1.0247
Septicemia .....	A40-A41	038	21,258	17,791	1.1949	0.0042	0.3	1.1867	1.2030
Syphilis .....	A50-A53	090-097	21	33	0.6364	0.1184	18.6	0.4043	0.8685
Acute poliomyelitis .....	A80	045	*	*	*	*	*	*	*
Arthropod-borne viral encephalitis.....	A83-A84,A85.2	062-064	*	*	*	*	*	*	*
Measles .....	B05	055	*	*	*	*	*	*	*
Viral hepatitis .....	B15-B19	070	1,123	1,346	0.8343	0.0120	1.4	0.8109	0.8578
Human immunodeficiency virus (HIV) disease .....	B20-B24	*042-*044	12,765	11,150	1.1448	0.0045	0.4	1.1360	1.1536
Malaria.....	B50-B54	084	*	*	*	*	*	*	*
Other and unspecified infectious and parasitic diseases and their sequelae .....	A00,A05,A20-A36, A42-A44,A48-A49, A54-A79,A81-A82, A85.0-A85.1, A85.8,A86-B04, B06-B09,B25-B49, B55-B99	001,005,020-032, 037,039-041,046-054,056-061,065-066,071-083,085-088,098-134,136-139,771.3	2,865	2,607	1.0990	0.0154	1.4	1.0688	1.1291
Malignant neoplasms .....	C00-C97	140-208	464,688	461,544	1.0068	0.0002	0.0	1.0064	1.0072
Malignant neoplasms of lip, oral cavity and pharynx.....	C00-C14	140-149	5,927	6,172	0.9603	0.0040	0.4	0.9525	0.9681
Malignant neoplasm of esophagus .....	C15	150	9,596	9,630	0.9965	0.0020	0.2	0.9926	1.0003
Malignant neoplasm of stomach.....	C16	151	11,480	11,408	1.0063	0.0019	0.2	1.0025	1.0101
Malignant neoplasms of colon, rectum and anus.....	C18-C21	153-154	48,583	48,619	0.9993	0.0009	0.1	0.9975	1.0010
Malignant neoplasms of liver and intrahepatic bile ducts.....	C22	155	9,732	10,102	0.9634	0.0023	0.2	0.9588	0.9679
Malignant neoplasm of pancreas .....	C25	157	24,313	24,361	0.9980	0.0009	0.1	0.9963	0.9997
Malignant neoplasm of larynx.....	C32	161	3,209	3,194	1.0047	0.0053	0.5	0.9943	1.0150
Malignant neoplasms of trachea, bronchus and lung.....	C33-C34	162	131,750	133,936	0.9837	0.0005	0.1	0.9827	0.9846
Malignant melanoma of skin .....	C43	172	5,941	6,139	0.9677	0.0032	0.3	0.9614	0.9741
Malignant neoplasm of breast .....	C50	174-175	38,102	37,891	1.0056	0.0010	0.1	1.0036	1.0075
Malignant neoplasm of cervix uteri.....	C53	180	3,753	3,802	0.9871	0.0034	0.3	0.9805	0.9938
Malignant neoplasms of corpus uteri and uterus, part unspecified.....	C54-C55	179,182	5,318	5,183	1.0260	0.0040	0.4	1.0182	1.0339
Malignant neoplasm of ovary .....	C56	183	11,292	11,344	0.9954	0.0016	0.2	0.9923	0.9985
Malignant neoplasm of prostate .....	C61	185	30,672	30,267	1.0134	0.0015	0.1	1.0105	1.0162
Malignant neoplasms of kidney and renal pelvis .....	C64-C65	189.0,189.1	9,521	9,521	1.0000	0.0022	0.2	0.9957	1.0043
Malignant neoplasm of bladder .....	C67	188	9,563	9,594	0.9968	0.0026	0.3	0.9916	1.0019
Malignant neoplasms of meninges, brain and other parts of central nervous system .....	C70-C72	191-192	10,039	10,359	0.9691	0.0025	0.3	0.9642	0.9740
Malignant neoplasms of lymphoid, hematopoietic and related tissue.....	C81-C96	200-208	44,715	44,530	1.0042	0.0012	0.1	1.0019	1.0064
Hodgkin's disease.....	C81	201	1,021	1,036	0.9855	0.0089	0.9	0.9680	1.0030

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table E. Comparable category codes and estimated comparability ratios for 113 selected causes of death, injury by firearms, drug-induced deaths and alcohol-induced deaths according to the Ninth and Tenth Revisions, *International Classification of Diseases*

Cause of death (Based on the <i>Tenth Revision, International Classification of Diseases, 1992</i> )	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Relative standard error	Standard error	95 percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Non-Hodgkin's lymphoma .....	C82-C85	200,202	17,924	18,326	0.9781	0.0018	0.2	0.9745	0.9817
Leukemia .....	C91-C95	204-208	16,600	16,405	1.0119	0.0019	0.2	1.0083	1.0155
Multiple myeloma and immunoproliferative neoplasms .....	C88,C90	203	9,099	8,763	1.0383	0.0030	0.3	1.0324	1.0443
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue .....	C96	- - -	*	*	*	*	*	*	*
All other and unspecified malignant neoplasms .....	C17,C23-C24,C26-C31,C37-C41,C44-C49,C51-C52,C57-C60,C62-C63,C66,C68-C69,C73-C80,C97	152,156,158-160,163-171,173,181,183.2-184,186-187,189.2-190,193-199	51,182	45,492	1.1251	0.0021	0.2	1.1210	1.1292
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior .....	D00-D48	210-239	9,263	5,532	1.6744	0.0164	1.0	1.6422	1.7067
Anemias .....	D50-D64	280-285	3,059	3,200	0.9559	0.0077	0.8	0.9409	0.9710
Diabetes mellitus .....	E10-E14	250	48,636	48,242	1.0082	0.0011	0.1	1.0060	1.0103
Nutritional deficiencies .....	E40-E64	260-269	3,215	2,763	1.1636	0.0165	1.4	1.1312	1.1960
Malnutrition .....	E40-E46	260-263	2,607	2,665	0.9782	0.0151	1.5	0.9487	1.0078
Other nutritional deficiencies .....	E50-E64	264-269	608	98	6.2041	0.5961	9.6	5.0358	7.3724
Meningitis .....	G00,G03	320-322	592	584	1.0137	0.0136	1.3	0.9871	1.0403
Parkinson's disease .....	G20-G21	332	10,404	10,392	1.0012	0.0028	0.3	0.9956	1.0067
Alzheimer's disease <sup>1</sup> .....	G30	331.0	29,707	19,121	1.5536	0.0071	0.5	1.5398	1.5675
Major cardiovascular diseases .....	I00-I78	390-434,436-448	796,919	798,435	0.9981	0.0002	0.0	0.9977	0.9985
Diseases of heart .....	I00-I09,I11,I13,I20-I51	390-398,402,404,410-429	615,564	624,405	0.9858	0.0002	0.0	0.9854	0.9863
Acute rheumatic fever and chronic rheumatic heart diseases .....	I00-I09	390-398	2,446	2,980	0.8208	0.0089	1.1	0.8034	0.8382
Hypertensive heart disease .....	I11	402	17,322	21,577	0.8028	0.0028	0.3	0.7973	0.8083
Hypertensive heart and renal disease .....	I13	404	2,170	2,027	1.0705	0.0160	1.5	1.0392	1.1019
Ischemic heart diseases .....	I20-I25	410-414,429.2	466,459	466,935	0.9990	0.0002	0.0	0.9985	0.9994
Acute myocardial infarction .....	I21-I22	410	178,125	180,169	0.9887	0.0003	0.0	0.9880	0.9893
Other acute ischemic heart diseases .....	I24	411	2,667	2,638	1.0110	0.0117	1.2	0.9880	1.0340
Other forms of chronic ischemic heart disease .....	I20,I25	412-414,429.2	285,667	284,128	1.0054	0.0004	0.0	1.0046	1.0062
Atherosclerotic cardiovascular disease, so described .....	I25.0	429.2	64,354	61,362	1.0488	0.0016	0.2	1.0456	1.0519
All other forms of chronic ischemic heart disease .....	I20,I25.1-I25.9	412-414	221,313	222,766	0.9935	0.0004	0.0	0.9927	0.9942
Other heart diseases .....	I26-I51	415-429.1,429.3-429.9	127,167	130,886	0.9716	0.0010	0.1	0.9696	0.9736
Acute and subacute endocarditis .....	I33	421	552	554	0.9964	0.0137	1.4	0.9695	1.0233
Diseases of pericardium and acute myocarditis .....	I30-I31,I40	420,422-423	489	475	1.0295	0.0160	1.6	0.9981	1.0608
Heart failure .....	I50	428	44,297	42,554	1.0410	0.0013	0.1	1.0384	1.0435
All other forms of heart disease .....	I26-I28,I34-I38,I42-I49,I51	415-417,424-427,-429.0-429.1,429.3-429.9	81,829	87,303	0.9373	0.0014	0.2	0.9345	0.9401
Essential (primary) hypertension and hypertensive renal disease .....	I10,I12	401,403	11,958	10,684	1.1192	0.0050	0.4	1.1094	1.1291
Cerebrovascular diseases .....	I60-I69	430-434,436-438	137,264	129,640	1.0588	0.0008	0.1	1.0572	1.0604
Atherosclerosis .....	I70	440	13,894	14,417	0.9637	0.0025	0.3	0.9588	0.9686
Other diseases of circulatory system .....	I71-I78	441-448	18,239	19,289	0.9456	0.0021	0.2	0.9414	0.9498
Aortic aneurysm and dissection .....	I71	441	12,216	12,201	1.0012	0.0010	0.1	0.9992	1.0032

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table E. Comparable category codes and estimated comparability ratios for 113 selected causes of death, injury by firearms, drug-induced deaths and alcohol-induced deaths according to the Ninth and Tenth Revisions, *International Classification of Diseases*

Cause of death (Based on the <i>Tenth Revision, International Classification of Diseases, 1992</i> )	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Relative standard error	Standard error	95 percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Other diseases of arteries, arterioles and capillaries.....	I72-I78	442-448	6,023	7,088	0.8497	0.0053	0.6	0.8394	0.8601
Other disorders of circulatory system.....	I80-I99	451-459	2,984	2,899	1.0293	0.0172	1.7	0.9956	1.0631
Influenza and pneumonia .....	J10-J18	480-487	50,526	72,371	0.6982	0.0018	0.3	0.6947	0.7016
Influenza.....	J10-J11	487	572	567	1.0088	0.0073	0.7	0.9945	1.0231
Pneumonia.....	J12-J18	480-486	49,954	71,804	0.6957	0.0018	0.3	0.6922	0.6992
Other acute lower respiratory infections .....	J20-J22	466	346	355	0.9746	0.0392	4.0	0.8978	1.0515
Acute bronchitis and bronchiolitis.....	J20-J21	466	265	355	0.7465	0.0264	3.5	0.6947	0.7983
Unspecified acute lower respiratory infection.....	J22	- - -	*	*	*	*	*	*	*
Chronic lower respiratory diseases.....	J40-J47	490-494,496	94,326	90,022	1.0478	0.0009	0.1	1.0460	1.0496
Bronchitis, chronic and unspecified.....	J40-J42	490-491	913	2,320	0.3935	0.0107	2.7	0.3726	0.4145
Emphysema.....	J43	492	14,369	14,774	0.9726	0.0031	0.3	0.9666	0.9786
Asthma.....	J45-J46	493	4,217	4,718	0.8938	0.0061	0.7	0.8819	0.9057
Other chronic lower respiratory diseases .....	J44,J47	494,496	74,827	68,210	1.0970	0.0014	0.1	1.0943	1.0998
Pneumoconioses and chemical effects .....	J60-J66,J68	500-506	860	845	1.0178	0.0099	1.0	0.9983	1.0372
Pneumonitis due to solids and liquids .....	J69	507	10,183	9,104	1.1185	0.0048	0.4	1.1092	1.1279
Other diseases of respiratory system .....	J00-J06,J30-J39, J67,J70-J98	034.0,460-465, 470-478,495, 508-519	16,656	14,269	1.1673	0.0052	0.4	1.1572	1.1774
Peptic ulcer.....	K25-K28	531-534	3,574	3,686	0.9696	0.0045	0.5	0.9608	0.9784
Diseases of appendix.....	K35-K38	540-543	209	202	1.0347	0.0242	2.3	0.9873	1.0820
Hernia.....	K40-K46	550-553	658	633	1.0395	0.0154	1.5	1.0094	1.0696
Chronic liver disease and cirrhosis.....	K70,K73-K74	571	21,688	20,920	1.0367	0.0027	0.3	1.0314	1.0420
Alcoholic liver disease.....	K70	571.0-571.3	10,147	9,965	1.0183	0.0050	0.5	1.0085	1.0281
Other chronic liver disease and cirrhosis.....	K73-K74	571.4-571.9	11,541	10,955	1.0535	0.0041	0.4	1.0454	1.0615
Cholelithiasis and other disorders of gallbladder.....	K80-K82	574-575	1,725	1,803	0.9567	0.0060	0.6	0.9450	0.9685
Nephritis, nephrotic syndrome and nephrosis <sup>1</sup> .....	N00-N07,N17-N19, N25-N27	580-589	24,939	20,242	1.2320	0.0044	0.4	1.2234	1.2407
Acute and rapidly progressive nephritic and nephritic syndrome.....	N00-N01,N04	580-581	161	249	0.6466	0.0342	5.3	0.5796	0.7136
Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified.....	N02-N03,N05-N07, N26	582-583,587	468	1,213	0.3858	0.0144	3.7	0.3575	0.4141
Renal failure <sup>1</sup> .....	N17-N19	584-586	24,290	18,758	1.2949	0.0050	0.4	1.2852	1.3047
Other disorders of kidney.....	N25,N27	588-589	20	22	0.9091	0.0867	9.5	0.7392	1.0790
Infections of kidney.....	N10-N12,N13.6, N15.1	590	731	726	1.0069	0.0144	1.4	0.9786	1.0352
Hyperplasia of prostate.....	N40	600	326	327	0.9969	0.0159	1.6	0.9658	1.0280
Inflammatory diseases of female pelvic organs.....	N70-N76	614-616	63	64	0.9844	0.0410	4.2	0.9040	1.0648
Pregnancy, childbirth and the puerperium <sup>1</sup> .....	O00-099	630-676	*	*	*	*	*	*	*
Pregnancy with abortive outcome.....	O00-O07	630-639	*	*	*	*	*	*	*
Other complications of pregnancy, childbirth and the puerperium.....	O10-O99	640-676	*	*	*	*	*	*	*
Certain conditions originating in the perinatal period.....	P00-P96	760-771.2,771.4-779	10,184	9,555	1.0658	0.0033	0.3	1.0593	1.0724
Congenital malformations, deformations and chromosomal abnormalities.....	Q00-Q99	740-759	5,950	7,025	0.8470	0.0055	0.6	0.8362	0.8577
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified.....	R00-R99	780-799	16,940	17,732	0.9553	0.0034	0.4	0.9487	0.9620
All other diseases (Residual).....	Residual	Residual	109,853	122,107	0.8996	0.0015	0.2	0.8968	0.9025
Accidents (unintentional injuries).....	V01-X59,Y85-Y86	E800-E869,E880-	31,084	30,163	1.0305	0.0014	0.1	1.0278	1.0333



**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table E. Comparable category codes and estimated comparability ratios for 113 selected causes of death, injury by firearms, drug-induced deaths and alcohol-induced deaths according to the Ninth and Tenth Revisions, *International Classification of Diseases*

Cause of death (Based on the <i>Tenth Revision, International Classification of Diseases, 1992</i> )	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Relative standard error	Standard error	95 percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Transport accidents.....	V01-V99,Y85	E929 E800-E848, E929.0,E929.1	17,547	17,586	0.9978	0.0006	0.1	0.9966	0.9990
Motor vehicle accidents <sup>1</sup> .....	V02-V04,V09.0, V09.2,V12-V14, V19.0-V19.2,19.4- V19.6,V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1,V83- V86,V87.0-V87.8, V88.0-V88.8, V89.0,V89.2	E810-E825	16,632	17,051	0.9754	0.0006	0.1	0.9742	0.9766
Other land transport accidents <sup>1</sup> .....	V01,V05-V06, V09.1,V09.3- V09.9,V10-V11, V15-V18,V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.8,V88.9, V89.1,V89.3,V89.9	E800-E807,E826- E829	*	*	*	*	*	*	*
Water, air and space, and other and unspecified transport accidents and their sequelae.....	V90-V99,Y85	E830-E848, E929.0,E929.1	351	347	1.0115	0.0209	2.1	0.9706	1.0525
Nontransport accidents.....	W00-X59,Y86	E850-E869,E880- E928,E929.2- E929.9	13,537	12,577	1.0763	0.0035	0.3	1.0696	1.0831
Falls.....	W00-W19	E880-E888	5,173	6,152	0.8409	0.0049	0.6	0.8313	0.8505
Accidental discharge of firearms.....	W32-W34	E922	493	466	1.0579	0.0127	1.2	1.0331	1.0828
Accidental drowning and submersion.....	W65-W74	E910	283	284	0.9965	0.0127	1.3	0.9716	1.0213
Accidental exposure to smoke, fire and flames.....	X00-X09	E890-E899	493	506	0.9743	0.0089	0.9	0.9568	0.9918
Accidental poisoning and exposure to noxious substances.....	X40-X49	E850-E869, E924.1	*	*	*	*	*	*	*
Other and unspecified nontransport accidents and their sequelae.....	W20-W31,W35- W64,W75-W99, X10-X39, X50-X59,Y86	E900-E909,E911- E921,E923- E924.0,E924.8- E928,E929.2- E929.9	6,698	4,721	1.4188	0.0123	0.9	1.3947	1.4428
Intentional self-harm (suicide).....	X60-X84,Y87.0	E950-E959	18,352	18,422	0.9962	0.0005	0.0	0.9952	0.9972
Intentional self-harm (suicide) by discharge of firearms.....	X72-X74	E955.0-E955.4	14,157	14,183	0.9982	0.0007	0.1	0.9968	0.9996
Intentional self-harm (suicide) by other and unspecified means and their sequelae.....	X60-X71,X75-X84, Y87.0	E950-E954, E955.5-E959	4,195	4,239	0.9896	0.0023	0.2	0.9850	0.9942
Assault (homicide).....	X85-Y09,Y87.1	E960-E969	12,287	12,308	0.9983	0.0006	0.1	0.9972	0.9994
Assault (homicide) by discharge of firearms.....	X93-X95	E965.0-E965.4	8,718	8,745	0.9969	0.0008	0.1	0.9953	0.9985
Assault (homicide) by other and unspecified means and their sequelae.....	X85-X92,X96-Y09, Y87.1	E960-E964, E965.5-E969	3,569	3,563	1.0017	0.0024	0.2	0.9969	1.0064
Legal intervention.....	Y35,Y89.0	E970-E978	*	*	*	*	*	*	*
Events of undetermined intent.....	Y10-Y34,Y87.2, Y89.9	E980-E989	*	*	*	*	*	*	*
Discharge of firearms, undetermined intent....	Y22-Y24	E985.0-E985.4	*	*	*	*	*	*	*

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table E. Comparable category codes and estimated comparability ratios for 113 selected causes of death, injury by firearms, drug-induced deaths and alcohol-induced deaths according to the Ninth and Tenth Revisions, *International Classification of Diseases*

Cause of death (Based on the <i>Tenth Revision, International Classification of Diseases, 1992</i> )	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Relative standard error	Standard error	95 percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Other and unspecified events of undetermined intent and their sequelae .....	Y10-Y21, Y25-Y34, Y87.2, Y89.9	E980-E984, E985.5-E989	*	*	*	*	*	*	*
Operations of war and their sequelae .....	Y36, Y89.1	E990-E999	*	*	*	*	*	*	*
Complications of medical and surgical care .....	Y40-Y84, Y88	E870-E879, E930-E949	*	*	*	*	*	*	*
Injury by firearms <sup>2</sup> .....	W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0	E922, E955.0-E955.4, E965.0-E965.4, E970, E985.0-E985.4	23,355	23,418	0.9973	0.0006	0.1	0.9961	0.9985
Drug-induced deaths <sup>2</sup> .....	F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, X40-X44, X60-X64, X85, Y10-Y14	292, 304, 305.2-305.9, E850-E858, E950.0-E950.5, E962.0, E980.0-E980.5	1,158	969	1.1950	0.0225	1.9	1.1509	1.2391
Alcohol-induced deaths <sup>2</sup> .....	F10, G31.2, G62.1, I42.6, K29.2, K70, R78.0, X45, X65, Y15	291, 303, 305.0, 357.5, 425.5, 535.3, 571.0-571.3, 790.3, E860	14,783	15,269	0.9682	0.0025	0.3	0.9633	0.9731

Figure does not meet standards of reliability or precision.

--- Category not applicable.

0.0 Quantity more than zero but less than 0.05.

<sup>1</sup> Included in selected categories.

<sup>2</sup> Comparability ratio should be interpreted with caution due to concerns with its accuracy. See *Comparability of cause of death between ICD-9 and ICD-10: Preliminary estimates* (29) and *Deaths: Final data for 1999* (19).

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table F. Comparable category codes and estimated comparability ratios for 130 selected causes of infant death according to the Ninth and Tenth Revisions, *International Classification of Diseases*

Cause of death (Based on the Tenth Revision, <i>International Classification of Diseases, 1992</i> )	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Relative standard error	Standard error	95 percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Certain infectious and parasitic diseases.....	A00-B99	001-033,034.1-134,136-139,771.3	284	387	0.7339	0.0339	4.6	0.6673	0.8004
Certain intestinal infectious diseases.....	A00-A08	001-008	*	*	*	*	*	*	*
Diarrhea and gastroenteritis of infectious origin 1/.....	A09	009	-	144	0.0000	0.0000	0.0	0.0000	0.0000
Tuberculosis.....	A16-A19	010-018	*	*	*	*	*	*	*
Tetanus.....	A33,A35	037,771.3	*	*	*	*	*	*	*
Diphtheria.....	A36	032	*	*	*	*	*	*	*
Whooping cough.....	A37	033	*	*	*	*	*	*	*
Meningococcal infection.....	A39	036	25	26	0.9615	0.0377	3.9	0.8876	1.0355
Septicemia.....	A40-A41	038	167	121	1.3802	0.0713	5.2	1.2403	1.5200
Congenital syphilis.....	A50	090	*	*	*	*	*	*	*
Gonococcal infection.....	A54	098	*	*	*	*	*	*	*
Viral diseases.....	A80-B34	042-079	62	62	1.0000	0.0757	7.6	0.8517	1.1483
Acute poliomyelitis.....	A80	045	*	*	*	*	*	*	*
Varicella (chickenpox).....	B01	052	*	*	*	*	*	*	*
Measles.....	B05	055	*	*	*	*	*	*	*
Human immunodeficiency virus (HIV) disease.....	B20-B24	042-044	*	*	*	*	*	*	*
Mumps.....	B26	072	*	*	*	*	*	*	*
Other and unspecified viral diseases.....	A81-B00,B02-B04, B06-B19,B25, B27-B34	046-051,053-054, 056-071, 073-079	35	36	0.9722	0.1255	12.9	0.7262	1.2182
Candidiasis.....	B37	112	*	*	*	*	*	*	*
Malaria.....	B50-B54	084	*	*	*	*	*	*	*
Pneumocystosis.....	B59	136.3	*	*	*	*	*	*	*
All other and unspecified infectious and parasitic diseases.....	A20-A32,A38,A42-A49,A51-A53,A55-A79,B35-B36, B38-B49,B55-B58, B60-B99	020-031,034.1-035,039-041,080-083,085-088,091-097,099-111,114-134,136.0-136.2, 136.4-139	*	*	*	*	*	*	*
Neoplasms.....	C00-D48	140-239	73	72	1.0139	0.0420	4.1	0.9317	1.0961
Malignant neoplasms.....	C00-C97	140-208	48	46	1.0435	0.0544	5.2	0.9369	1.1501
Hodgkin's disease and non-Hodgkin's lymphomas.....	C81-C85	200-202	*	*	*	*	*	*	*
Leukemia.....	C91-C95	204-208	*	*	*	*	*	*	*
Other and unspecified malignant neoplasms.....	C00-C80,C88-C90, C96-C97	140-199,203	30	28	1.0714	0.0906	8.5	0.8939	1.2489
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior.....	D00-D48	210-239	25	26	0.9615	0.1131	11.8	0.7398	1.1833
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism.....	D50-D89	135, 279-289	35	50	0.7000	0.0803	11.5	0.5427	0.8573
Anemias.....	D50-D64	280-285	*	*	*	*	*	*	*
Other diseases of blood and blood-forming organs.....	D65-D76	286-289	*	*	*	*	*	*	*
Certain disorders involving the immune mechanism.....	D80-D89	135,279	*	*	*	*	*	*	*
Endocrine, nutritional and metabolic diseases.....	E00-E88	240-278	112	129	0.8682	0.0555	6.4	0.7595	0.9770
Short stature, not elsewhere classified.....	E34.3	259.4	*	*	*	*	*	*	*

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table F. Comparable category codes and estimated comparability ratios for 130 selected causes of infant death according to the Ninth and Tenth Revisions, *International Classification of Diseases*

Cause of death (Based on the Tenth Revision, <i>International Classification of Diseases, 1992</i> )	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Relative standard error	Standard error	95 percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Malnutrition and other nutritional deficiencies.....	E40-E64	260-269	*	*	*	*	*	*	*
Cystic fibrosis.....	E84	277.0	*	*	*	*	*	*	*
Volume depletion, disorders of fluid, electrolyte and acid-base balance.....	E86-E87	276	40	53	0.7547	0.0852	11.3	0.5878	0.9217
All other endocrine, nutritional and metabolic diseases.....	E00-E32,E34.0-E34.2,E34.4-E34.9, E65-E83, E85,E88	240-259.3,259.8-259.9,270-275, 277.1-278	64	55	1.1636	0.0809	6.9	1.0051	1.3221
Diseases of the nervous system.....	G00-G98	320-359,435	305	286	1.0664	0.0263	2.5	1.0149	1.1180
Meningitis.....	G00,G03	320-322	70	70	1.0000	0.0404	4.0	0.9208	1.0792
Infantile spinal muscular atrophy, type I (Werdnig-Hoffman).....	G12.0	335.0	47	47	1.0000	0.0521	5.2	0.8978	1.1022
Infantile cerebral palsy.....	G80	343	*	*	*	*	*	*	*
Anoxic brain damage, not elsewhere classified.....	G93.1	348.1	29	30	0.9667	0.1269	13.1	0.7179	1.2155
Other diseases of nervous system.....	G04,G06-G11, G12.1-G12.9,G20-G72,G81-G92, G93.0,G93.2-G93.9,G95-G98	323-334,335.1-342,344-348.0, 348.2-359,435	145	126	1.1508	0.0532	4.6	1.0466	1.2550
Diseases of the ear and mastoid process.....	H60-H93	380-389	*	*	*	*	*	*	*
Diseases of the circulatory system.....	I00-I99	390-434,436-459	419	587	0.7138	0.0244	3.4	0.6659	0.7617
Pulmonary heart disease and diseases of pulmonary circulation.....	I26-I28	415-417	138	123	1.1220	0.0447	4.0	1.0342	1.2097
Pericarditis, endocarditis and myocarditis.....	I30,I33,I40	420-422	*	*	*	*	*	*	*
Cardiomyopathy.....	I42	425	82	84	0.9762	0.0166	1.7	0.9436	1.0088
Cardiac arrest.....	I46	427.5	25	87	0.2874	0.0508	17.7	0.1878	0.3869
Cerebrovascular diseases.....	I60-I69	430-434,436-438	77	163	0.4724	0.0510	10.8	0.3725	0.5723
All other diseases of circulatory system.....	I00-I25,I31,I34-I38, I44-I45,I47-I51, I70-I99	390-414,423-424, 426-427.4,427.6-429,440-459	88	123	0.7154	0.0519	7.3	0.6137	0.8172
Disease of the respiratory system.....	J00-J98	034.0,460-519	420	516	0.8140	0.0220	2.7	0.7709	0.8570
Acute upper respiratory infections.....	J00-J06	034.0,460-465	*	*	*	*	*	*	*
Influenza and pneumonia.....	J10-J18	480-487	231	303	0.7624	0.0261	3.4	0.7112	0.8135
Influenza.....	J10-J11	487	*	*	*	*	*	*	*
Pneumonia.....	J12-J18	480-486	224	295	0.7593	0.0266	3.5	0.7072	0.8114
Acute bronchitis and acute bronchiolitis.....	J20-J21	466	33	41	0.8049	0.0758	9.4	0.6563	0.9534
Bronchitis, chronic and unspecified.....	J40-J42	490-491	*	*	*	*	*	*	*
Asthma.....	J45-J46	493	*	*	*	*	*	*	*
Pneumonitis due to solids and liquids.....	J69	507	*	*	*	*	*	*	*
Other and unspecified diseases of respiratory system.....	J22,J30-J39, J43-J44,J47-J68, J70-J98	470-479,492,494-506,508-519	117	127	0.9213	0.0632	6.9	0.7973	1.0452
Diseases of the digestive system.....	K00-K92	520-579	278	167	1.6647	0.1084	6.5	1.4521	1.8772
Gastritis, duodenitis, and noninfective enteritis and colitis.....	K29,K50-K55	535,555-558	137	47	2.9149	0.3879	13.3	2.1547	3.6751
Hernia of abdominal cavity and intestinal obstruction without hernia.....	K40-K46,K56	550-553,560	*	*	*	*	*	*	*
All other and unspecified diseases of digestive system.....	K00-K28,K30-K38,K57-K92	520-534,536-543,562-579	84	86	0.9767	0.0708	7.3	0.8379	1.1156
Diseases of the genitourinary system.....	N00-N98	580-629	117	117	1.0000	0.0567	5.7	0.8889	1.1111
Renal failure and other disorders of kidney.....	N17-N19,N25,N27	584-589	102	98	1.0408	0.0658	6.3	0.9118	1.1699

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table F. Comparable category codes and estimated comparability ratios for 130 selected causes of infant death according to the Ninth and Tenth Revisions, *International Classification of Diseases*

Cause of death (Based on the <i>Tenth Revision, International Classification of Diseases, 1992</i> )	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Relative standard error	Standard error	95 percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Other and unspecified diseases of genitourinary system .....	N00-N15,N20-N23, N26, N28-N98	580-583,590-629	*	*	*	*	*	*	*
Certain conditions originating in the perinatal period.....	P00-P96	760-771.2,771.4-779	10,047	9,495	1.0581	0.0032	0.3	1.0519	1.0643
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery.....	P00-P04	760-763	1,305	1,256	1.0390	0.0099	1.0	1.0196	1.0585
Newborn affected by maternal hypertensive disorders.....	P00.0	760.0	23	22	1.0455	0.0465	4.4	0.9544	1.1365
Newborn affected by other maternal conditions which may be unrelated to present pregnancy.....	P00.1-P00.9	760.1-760.6, 760.8-760.9	*	*	*	*	*	*	*
Newborn affected by maternal complications of pregnancy .....	P01	761	662	643	1.0295	0.0138	1.3	1.0024	1.0567
Newborn affected by incompetent cervix.....	P01.0	761.0	205	201	1.0199	0.0188	1.8	0.9831	1.0567
Newborn affected by premature rupture of membranes.....	P01.1	761.1	314	307	1.0228	0.0136	1.3	0.9962	1.0494
Newborn affected by multiple pregnancy.....	P01.5	761.5	104	103	1.0097	0.0507	5.0	0.9103	1.1091
Newborn affected by other maternal complications of pregnancy.....	P01.2-P01.4, P01.6-P01.9	761.2-761.4, 761.6-761.9	39	32	1.2188	0.1655	13.6	0.8945	1.5430
Newborn affected by complications of placenta, cord and membranes .....	P02	762	579	553	1.0470	0.0128	1.2	1.0219	1.0721
Newborn affected by complications involving placenta.....	P02.0-P02.3	762.0-762.3	306	285	1.0737	0.0174	1.6	1.0395	1.1079
Newborn affected by complications involving cord.....	P02.4-P02.6	762.4-762.6	*	*	*	*	*	*	*
Newborn affected by chorioamnionitis.....	P02.7	762.7	258	255	1.0118	0.0163	1.6	0.9799	1.0436
Newborn affected by other and unspecified abnormalities of membranes.....	P02.8-P02.9	762.8-762.9	*	*	*	*	*	*	*
Newborn affected by other complications of labor and delivery.....	P03	763.0-763.4, 763.6-763.9	37	20	1.8500	0.3262	17.6	1.2107	2.4893
Newborn affected by noxious influences transmitted via placenta or breast milk .....	P04	760.7, 763.5	*	*	*	*	*	*	*
Disorders related to length of gestation and fetal malnutrition .....	P05-P08	764-766	3,843	3,474	1.1062	0.0064	0.6	1.0936	1.1188
Slow fetal growth and fetal malnutrition.....	P05	764	34	30	1.1333	0.1004	8.9	0.9366	1.3301
Disorders related to short gestation and low birth weight, not elsewhere classified.....	P07	765	3,809	3,444	1.1060	0.0064	0.6	1.0934	1.1186
Extremely low birth weight or extreme immaturity.....	P07.0,P07.2	765.0	2,835	2,558	1.1083	0.0079	0.7	1.0927	1.1239
Other low birth weight or preterm.....	P07.1,P07.3	765.1	974	886	1.0993	0.0135	1.2	1.0729	1.1258
Disorders related to long gestation and high birth weight.....	P08	766	*	*	*	*	*	*	*
Birth trauma 1/.....	P10-P15	767	5	113	0.0442	0.0197	44.5	0.0056	0.0829
Intrauterine hypoxia and birth asphyxia.....	P20-P21	768	401	277	1.4477	0.0599	4.1	1.3303	1.5650
Intrauterine hypoxia .....	P20	768.2-768.4	57	63	0.9048	0.1227	13.6	0.6643	1.1452
Birth asphyxia .....	P21	768.5-768.9	344	214	1.6075	0.0763	4.7	1.4579	1.7571

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table F. Comparable category codes and estimated comparability ratios for 130 selected causes of infant death according to the Ninth and Tenth Revisions, *International Classification of Diseases*

Cause of death (Based on the <i>Tenth Revision, International Classification of Diseases, 1992</i> )	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Relative standard error	Standard error	95 percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Respiratory distress of newborn.....	P22	769	917	894	1.0257	0.0131	1.3	1.0001	1.0513
Other respiratory conditions originating in the perinatal period.....	P23-P28	770	1,160	1,372	0.8455	0.0216	2.6	0.8032	0.8878
Congenital pneumonia.....	P23	770.0	57	15	3.8000	0.9004	23.7	2.0352	5.5648
Neonatal aspiration syndromes.....	P24	770.1	78	56	1.3929	0.1115	8.0	1.1743	1.6114
Interstitial emphysema and related conditions originating in the perinatal period.....	P25	770.2	146	121	1.2066	0.0595	4.9	1.0899	1.3233
Pulmonary hemorrhage originating in the perinatal period.....	P26	770.3	212	145	1.4621	0.0751	5.1	1.3150	1.6092
Chronic respiratory disease originating in the perinatal period.....	P27	770.7	243	214	1.1355	0.0327	2.9	1.0715	1.1995
Atelectasis.....	P28.0-P28.1	770.4-770.5	382	185	2.0649	0.1144	5.5	1.8406	2.2891
All other respiratory conditions originating in the perinatal period.....	P28.2-P28.9	770.6,770.8	42	636	0.0660	0.0101	15.2	0.0463	0.0858
Infections specific to the perinatal period.....	P35-P39	771.0-771.2, 771.4-771.8	563	552	1.0199	0.0261	2.6	0.9688	1.0710
Bacterial sepsis of newborn.....	P36	771.8	470	514	0.9144	0.0272	3.0	0.8611	0.9677
Omphalitis of newborn with or without mild hemorrhage.....	P38	771.4	*	*	*	*	*	*	*
All other infections specific to the perinatal period.....	P35,P37,P39	771.0-771.2, 771.5-771.7	93	38	2.4474	0.3705	15.1	1.7211	3.1736
Hemorrhagic and hematological disorders of newborn.....	P50-P61	772-774, 776	390	274	1.4234	0.0640	4.5	1.2979	1.5488
Neonatal hemorrhage.....	P50-P52,P54	772	319	222	1.4369	0.0698	4.9	1.3002	1.5737
Hemorrhagic disease of newborn.....	P53	776.0	*	*	*	*	*	*	*
Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice.....	P55-P59	773-774	*	*	*	*	*	*	*
Hematological disorders.....	P60-P61	776.1-776.9	*	*	*	*	*	*	*
Syndrome of infant of a diabetic mother and neonatal diabetes mellitus.....	P70.0-P70.2	775.0-775.1	*	*	*	*	*	*	*
Necrotizing enterocolitis of newborn.....	P77	777.5	249	203	1.2266	0.0456	3.7	1.1371	1.3161
Hydrops fetalis not due to hemolytic disease.....	P83.2	778.0	120	120	1.0000	0.0264	2.6	0.9483	1.0517
Other perinatal conditions.....	P29,P70.3-P76, P78-P81,P83.0-P83.1,P83.3-P96	775.2-775.9, 777.0-777.4, 777.6-777.9, 778.1-779	1092	954	1.1447	0.0192	1.7	1.1070	1.1823
Congenital malformations, deformations and chromosomal abnormalities.....	Q00-Q99	740-759	3,400	3,751	0.9064	0.0057	0.6	0.8953	0.9176
Anencephaly and similar malformations.....	Q00	740	299	299	1.0000	0.0000	0.0	1.0000	1.0000
Congenital hydrocephalus.....	Q03	742.3	62	91	0.6813	0.0552	8.1	0.5732	0.7895
Spina bifida.....	Q05	741	24	32	0.7500	0.0765	10.2	0.6000	0.9000
Other congenital malformations of nervous system.....	Q01-Q02,Q04, Q06-Q07	742.0-742.2, 742.4-742.9	191	177	1.0791	0.0477	4.4	0.9856	1.1725
Congenital malformations of heart.....	Q20-Q24	745-746	1,022	1,027	0.9951	0.0081	0.8	0.9793	1.0109
Other congenital malformations of circulatory system.....	Q25-Q28	747	75	121	0.6198	0.0504	8.1	0.5210	0.7186
Congenital malformations of respiratory system.....	Q30-Q34	748	361	571	0.6322	0.0225	3.6	0.5882	0.6762
Congenital malformations of digestive system.....	Q35-Q45	749-751	*	*	*	*	*	*	*
Congenital malformations of genitourinary system.....	Q50-Q64	752-753	216	229	0.9432	0.0244	2.6	0.8955	0.9910

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table F. Comparable category codes and estimated comparability ratios for 130 selected causes of infant death according to the Ninth and Tenth Revisions, *International Classification of Diseases*

Cause of death (Based on the Tenth Revision, <i>International Classification of Diseases, 1992</i> )	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Relative standard error	Standard error	95 percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Congenital malformations and deformation of musculoskeletal system, limbs and integument.....	Q65-Q85	754-757	269	311	0.8650	0.0319	3.7	0.8024	0.9275
Down's syndrome.....	Q90	758.0	57	58	0.9828	0.0705	7.2	0.8446	1.1209
Edward's syndrome.....	Q91.0-Q91.3	758.2	277	278	0.9964	0.0080	0.8	0.9807	1.0121
Patau's syndrome.....	Q91.4-Q91.7	758.1	170	173	0.9827	0.0099	1.0	0.9632	1.0021
Other congenital malformations and deformations.....	Q10-Q18,Q86-Q89	743-744,759	304	312	0.9744	0.0210	2.2	0.9332	1.0155
Other chromosomal abnormalities, not elsewhere classified.....	Q92-Q99	758.3-758.9	57	53	1.0755	0.0783	7.3	0.9221	1.2289
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified....	R00-R99	780-799	2,799	2,732	1.0245	0.0042	0.4	1.0163	1.0327
Sudden infant death syndrome 1/.....	R95	798.0	2,575	2,485	1.0362	0.0040	0.4	1.0284	1.0440
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified.....	R00-R53,R55-594, R96-R99	780-796,798.1-799	224	247	0.9069	0.0270	3.0	0.8540	0.9598
All other diseases.....	F01-F99,H00-H57, L00-M99	290-319,360-379, 680-739	*	*	*	*	*	*	*
External causes of mortality.....	V01-Y84	E800-E999	441	444	0.9932	0.0098	1.0	0.9741	1.0124
Accidents (unintentional injuries).....	V01-V59	E800-E869,E880-E929	292	285	1.0246	0.0107	1.0	1.0037	1.0454
Transport accidents.....	V01-V99	E800-E848,E920-E929.1	99	108	0.9167	0.0294	3.2	0.8590	0.9743
Motor vehicle accidents.....	V02-V04,V09.0, V09.2,V12-V14, V19.0-V19.2, V19.4-V19.6,V20-V79,V80.3-V80.5, V81.0-V81.1, V82.0-V82.1,V83-V86,V87.0-V87.8, V88.0-V88.8, V89.0,V89.2	E810-E825	95	98	0.9694	0.0176	1.8	0.9349	1.0039
Other and unspecified transport accidents.....	V01,V05-V06, V09.1,V09.3-V09.9,V10-V11, V15-V18,V19.3, V19.8,V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9,V88.9, V89.1,V89.3, V89.9,V90-V99	E800-E807,E826-E848, E929.0-E929.1	*	*	*	*	*	*	*
Falls.....	W00-W19		*	*	*	*	*	*	*
Accidental discharge of firearms.....	W32-W34	E922	*	*	*	*	*	*	*
Accidental drowning and submersion.....	W65-W74	E910	*	*	*	*	*	*	*
Accidental suffocation and strangulation in bed.....	W75	E913.0	*	*	*	*	*	*	*
Other accidental suffocation and strangulation.....	W76-W77,W81-W84	E913.1-E913.9	79	69	1.1449	0.0537	4.7	1.0396	1.2502
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract.....	W78-W80	E911-E912	32	29	1.1034	0.0810	7.3	0.9447	1.2622
Accidents caused by exposure to smoke, fire and flames.....	X00-X09	E890-E899	*	*	*	*	*	*	*

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table F. Comparable category codes and estimated comparability ratios for 130 selected causes of infant death according to the Ninth and Tenth Revisions, *International Classification of Diseases*

Cause of death (Based on the <i>Tenth Revision, International Classification of Diseases, 1992</i> )	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Relative standard error	Standard error	95 percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Accidental poisoning and exposure to noxious substances.....	X40-X49	E850-E869, E924.1	*	*	*	*	*	*	*
Other and unspecified accidents.....	W20-W31,W35-W64,W85-W99, X10-X39,X50-X59	E900-E909,E914-E921,E923-E924.0,E924.8-E929	*	*	*	*	*	*	*
Assault (homicide).....	X85-Y09	E960-E968	146	154	0.9481	0.0179	1.9	0.9130	0.9831
Assault (homicide) by hanging, strangulation and suffocation.....	X91	E963	*	*	*	*	*	*	*
Assault (homicide) by discharge of firearms.....	X93-X95	E965.0-E965.4	*	*	*	*	*	*	*
Neglect, abandonment and other maltreatment syndromes.....	Y06-Y07	E967,E968.4	*	*	*	*	*	*	*
Assault (homicide) by other and unspecified means.....	X85-X90,X92, X96-X99,Y00-Y05,Y08-Y09	E960-E962,E964, E965.5-E966, E968.0-E968.3, 968.8-E968.9	91	88	1.0341	0.0417	4.0	0.9524	1.1158
Complications of medical and surgical care.....	Y40-Y84	E870-E879,E930-E949	*	*	*	*	*	*	*
Other external causes.....	X60-X84,Y10-Y36	E970-E979	*	*	*	*	*	*	*

\* Figure does not meet standards of reliability or precision.

- Quantity zero.

0.0 Quantity more than zero but less than 0.05.

1/ Comparability ratio should be interpreted with caution due to concerns with its accuracy. See *Comparability of cause of death between ICD-9 and ICD-10: Preliminary estimates (29) and Deaths: Final data for 1999 (19)*.



**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table G. Infant mortality rates by race of infant from the death certificate and by race of mother from the birth certificate, and ratio of rates, 1995-96

[Rates per 1,000 live births in specified group]

Race	Infant mortality rate		Ratio birth/death
	Race from death certificate	Race from birth certificate	
All races .....	7.5	7.4	0.99
White.....	6.2	6.2	1.00
Black .....	14.9	14.4	0.97
American Indian <sup>1</sup> .....	8.3	9.5	1.14
Asian or Pacific Islander.....	4.1	5.2	1.27
Chinese .....	2.9	3.5	1.21
Japanese.....	2.3	4.7	2.04
Hawaiian.....	7.2	6.1	0.85
Filipino .....	3.4	5.7	1.68
Other Asian or Pacific Islander .....	4.8	5.6	1.17

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

SOURCE: Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table H. Infant mortality rates by Hispanic origin of infant from the death certificate and by race of mother from the birth certificate, and ratio of rates, 1996

[Rates per 1,000 live births in specified group]

Race	Infant mortality rate		Ratio linked file/ birth/death
	Hispanic origin from death certificate	Hispanic origin from birth certificate	
All origins <sup>1</sup> .....	7.3	7.4	1.01
Total Hispanic .....	5.9	6.2	1.05
Mexican .....	5.9	5.9	1.00
Puerto Rican .....	7.8	8.7	1.12
Cuban .....	5.1	5.2	1.02
Other Hispanic <sup>2</sup> .....	5.3	5.9	1.11
Non-Hispanic total <sup>3</sup> .....	7.6	7.7	1.01
Non-Hispanic white .....	6.1	6.2	1.02
Non-Hispanic black .....	14.7	14.4	0.98

<sup>1</sup> Includes Hispanic origin not stated.

<sup>2</sup> Includes Central and South American and Other and unknown Hispanic.

<sup>3</sup> Includes races other than white and black.

NOTE: Data exclude Oklahoma, which did not have a question on Hispanic origin on its death certificate.

SOURCE: Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table I. Population of birth- and death-registration States, 1900-1932, and United States, 1900-1999

[Population enumerated as of April 1 for 1940, 1950, 1960, 1970, 1980, and 1990 and estimated as of July 1 for all other years]

Year	United States <sup>1</sup>		Year	United States <sup>1</sup>		Birth-registration States		Death-registration States	
	Population including Armed Forces abroad	Population residing in area		Population including Armed Forces abroad	Population residing in area	Number of States <sup>2</sup>	Population residing in area	Number of States <sup>2</sup>	Population residing in area
1999 .....	272,945,300	272,690,813	1949.....	149,188,000	148,665,000	...	...	...	...
1998 .....	270,509,187	270,298,524	1948.....	146,631,000	146,093,000	...	...	...	...
1997 .....	267,901,000	267,636,061	1947.....	144,126,000	143,446,000	...	...	...	...
1996 .....	265,556,890	265,283,783	1946.....	141,389,000	140,054,000	...	...	...	...
1995 .....	263,033,968	262,755,270	1945.....	139,928,000	132,481,000	...	...	...	...
1994 .....	260,650,842	260,340,990	1944.....	138,397,000	132,885,000	...	...	...	...
1994 .....	258,119,768	257,783,004	1943.....	136,739,000	134,245,000	...	...	...	...
1992 .....	255,457,501	255,077,536	1942.....	134,860,000	133,920,000	...	...	...	...
1991 .....	252,688,000	252,177,000	1941.....	133,402,000	133,121,000	...	...	...	...
1990 .....	249,225,000	248,709,873	1940.....	131,820,000	131,669,275	...	...	...	...
1989 .....	247,342,000	246,819,000	1939.....	131,028,000	130,879,718	...	...	...	...
1988 .....	245,021,000	244,499,000	1938.....	129,969,000	129,824,939	...	...	...	...
1987 .....	242,804,000	242,289,000	1937.....	128,961,000	128,824,829	...	...	...	...
1986 .....	240,651,000	240,133,000	1936.....	128,181,000	128,053,180	...	...	...	...
1985 .....	238,466,000	237,924,000	1935.....	127,362,000	127,250,232	...	...	...	...
1984 .....	236,348,000	235,825,000	1934.....	126,485,000	126,373,773	...	...	...	...
1983 .....	234,307,000	233,792,000	1933.....	125,690,000	125,578,763	...	...	...	...
1982 .....	232,188,000	231,664,000	1932.....	124,949,000	124,840,471	47	118,903,899	47	118,903,899
1981 .....	229,966,000	229,466,000	1931.....	124,149,000	124,039,648	46	117,455,229	47	118,148,987
1980 .....	227,061,000	226,545,805	1930.....	123,188,000	123,076,741	46	116,544,946	47	117,238,278
1979 .....	225,055,000	224,567,000	1929.....	---	121,769,939	46	115,317,450	46	115,317,450
1978 .....	222,585,000	222,095,000	1928.....	---	120,501,115	44	113,636,160	44	113,636,160
1977 .....	220,239,000	219,760,000	1927.....	---	119,038,062	40	104,320,830	42	107,084,532
1976 .....	218,035,000	217,563,000	1926.....	---	117,399,225	35	90,400,590	41	103,822,683
1975 .....	215,973,000	215,465,000	1925.....	---	115,831,963	33	88,294,564	40	102,031,555
1974 .....	213,854,000	213,342,000	1924.....	---	114,113,463	33	87,000,295	39	99,318,098
1973 .....	211,909,000	211,357,000	1923.....	---	111,949,945	30	81,072,123	38	96,788,197
1972 .....	209,896,000	209,284,000	1922.....	---	110,054,778	30	79,560,746	37	92,702,901
1971 .....	207,661,000	206,827,000	1921.....	---	108,541,489	27	70,807,090	34	87,814,447
1970 .....	204,270,000	203,211,926	1920.....	---	106,466,420	23	63,597,307	34	86,079,263
1969 .....	202,677,000	201,385,000	1919.....	105,063,000	104,512,110	22	61,212,076	33	83,157,982
1968 .....	200,706,000	199,399,000	1918.....	104,550,000	103,202,801	20	55,153,782	30	79,008,412
1967 .....	198,712,000	197,457,000	1917.....	103,414,000	103,265,913	20	55,197,952	27	70,234,775
1966 .....	196,560,000	195,576,000	1916.....	---	101,965,984	11	32,944,013	26	66,971,177
1965 .....	194,303,000	193,526,000	1915.....	---	100,549,013	10	31,096,697	24	61,894,847
1964 .....	191,889,000	191,141,000	1914.....	---	99,117,567	...	...	24	60,963,309
1963 .....	189,242,000	188,483,000	1913.....	---	97,226,814	...	...	23	58,156,740
1962 .....	186,538,000	185,771,000	1912.....	---	95,331,300	...	...	22	54,847,700
1961 .....	183,691,000	182,992,000	1911.....	---	93,867,814	...	...	22	53,929,644

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999  
TECHNICAL APPENDIX**

Table I. Population of birth- and death-registration States, 1900-1932, and United States, 1900-1999

[Population enumerated as of April 1 for 1940, 1950, 1960, 1970, 1980, and 1990 and estimated as of July 1 for all other years]

Year	United States <sup>1</sup>		Year	United States <sup>1</sup>		Birth-registration States		Death-registration States	
	Population including Armed Forces abroad	Population residing in area		Population including Armed Forces abroad	Population residing in area	Number of States <sup>2</sup>	Population residing in area	Number of States <sup>2</sup>	Population residing in area
1960 .....	179,933,000	179,323,175	1910.....	---	92,406,536	...	...	20	47,470,437
1959 .....	177,264,000	176,513,000	1909.....	---	90,491,525	...	...	18	44,223,513
1958 .....	174,141,000	172,320,000	1908.....	---	88,708,976	...	...	17	38,634,759
1957 .....	171,274,000	170,371,000	1907.....	---	87,000,271	...	...	15	34,552,837
1956 .....	168,221,000	167,306,000	1906.....	---	85,436,556	...	...	15	33,782,288
1955 .....	165,275,000	164,308,000	1905.....	---	83,819,666	...	...	10	21,767,980
1954 .....	162,391,000	161,164,000	1904.....	---	82,164,974	...	...	10	21,332,076
1953 .....	159,565,000	158,242,000	1903.....	---	80,632,152	...	...	10	20,943,222
1952 .....	156,954,000	155,687,000	1902.....	---	79,160,196	...	...	10	20,582,907
1951 .....	154,287,000	153,310,000	1901.....	---	77,585,128	...	...	10	20,237,453
1950 .....	151,132,000	150,697,361	1900.....	---	76,094,134	...	...	10	19,965,446

--- Data not available.

... Category not applicable.

<sup>1</sup> Alaska included beginning 1959 and Hawaii, 1960.

<sup>2</sup> The District of Columbia is not included in "Number of States," but it is represented in all data shown for each year.

SOURCE: Published and unpublished data from the U.S. Bureau of the Census; see text.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table J. Source for resident population and population including Armed Forces abroad:  
 Birth- and death-registration States, 1900-32, and United States, 1900-99

Year	Source
1999 .....	U.S. Bureau of the Census, Electronic Data File, NESTV99, and unpublished data.
1998 .....	U.S. Bureau of the Census, Electronic Data File, NESTV98, and unpublished data.
1997 .....	U.S. Bureau of the Census, Electronic Data File, NESTV97, and unpublished data.
1996 .....	U.S. Bureau of the Census, Electronic Data File, RESD0796, and unpublished data.
1995 .....	U.S. Bureau of the Census, Electronic Data File, RESD0795, and unpublished data.
1994 .....	U.S. Bureau of the Census, Electronic Data File, RESD0794, and unpublished data.
1993 .....	U.S. Bureau of the Census, Electronic Data File, RESP0793, and unpublished data.
1992 .....	U.S. Bureau of the Census, Electronic Data File, RESP0792, and unpublished data.
1991 .....	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 1095, 1993.
1990 .....	U.S. Bureau of the Census, Unpublished data from the 1990 census, 1990 CPH-L-74 and unpublished data consistent with <i>Current Population Reports</i> , Series P-25, No. 1095.
1981-89 .....	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 1095, 1993.
1980 .....	U.S. Bureau of the Census, <i>U.S. Census of Population: 1980, Number of Inhabitants</i> , PC-80-1A1, United States Summary, 1983.
1971-79 .....	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 917, July 1982.
1970 .....	U.S. Bureau of the Census, <i>U.S. Census of Population: 1970, Number of Inhabitants</i> , Final Report PC(1)-A1, United States Summary, 1971.
1961-69 .....	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 519, April 1974.
1960 .....	U.S. Bureau of the Census, <i>U.S. Census of Population: 1960, Number of Inhabitants</i> , PC(1)-A1, United States Summary, 1964.
1951-59 .....	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 310, June 30, 1965.
1940-50 .....	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 499, May 1973.
1930-39 .....	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 499, May 1973, and National Office of Vital Statistics, <i>Vital Statistics Rates in the United States, 1900-1940, 1947</i> .
1920-29 .....	National Office of Vital Statistics, <i>Vital Statistics Rates in the United States, 1900-1940, 1947</i> .
1917-19 .....	Same as for 1930-39.
1900-16 .....	Same as for 1920-29.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table K. Estimated population of the United States, by 5-year age groups, race, and sex: July 1, 1999

[Figures include Armed forces stationed in the United States and exclude those stationed outside the United States]

Age	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
All ages .....	272,690,813	133,276,559	139,414,254	224,610,797	110,336,291	114,274,506	48,080,016	22,940,268	25,139,748	34,862,169	16,557,186	18,304,983
Under 1 year .....	3,819,903	1,952,133	1,867,770	3,027,180	1,549,389	1,477,791	792,723	402,744	389,979	568,772	289,078	279,694
1-4 years .....	15,122,239	7,730,542	7,391,697	12,015,456	6,155,680	5,859,776	3,106,783	1,574,862	1,531,921	2,226,888	1,129,687	1,097,201
5-9 years .....	19,946,746	10,207,957	9,738,789	15,706,268	8,047,451	7,658,817	4,240,478	2,160,506	2,079,972	3,145,614	1,597,522	1,548,092
10-14 years .....	19,548,484	10,011,707	9,536,777	15,388,526	7,892,905	7,495,621	4,159,958	2,118,802	2,041,156	3,087,258	1,569,095	1,518,163
15-19 years .....	19,747,923	10,150,997	9,596,926	15,647,637	8,069,271	7,578,366	4,100,286	2,081,726	2,018,560	3,043,767	1,548,256	1,495,511
15-17 years .....	11,762,063	6,058,282	5,703,781	9,304,359	4,803,475	4,500,884	2,457,704	1,254,807	1,202,897	1,807,421	924,663	882,758
17-18 years .....	7,985,860	4,092,715	3,893,145	6,343,278	3,265,796	3,077,482	1,642,582	826,919	815,663	1,236,346	623,593	612,753
20-24 years .....	18,025,589	9,183,052	8,842,537	14,367,068	7,371,872	6,995,196	3,658,521	1,811,180	1,847,341	2,696,655	1,333,366	1,363,289
25-29 years .....	18,209,100	9,055,292	9,153,808	14,504,772	7,289,220	7,215,552	3,704,328	1,766,072	1,938,256	2,611,248	1,248,879	1,362,369
30-34 years .....	19,726,712	9,770,996	9,955,716	15,926,621	7,984,101	7,942,520	3,800,091	1,786,895	2,013,196	2,675,415	1,256,405	1,419,010
35-39 years .....	22,544,607	11,215,732	11,328,875	18,503,500	9,302,148	9,201,352	4,041,107	1,913,584	2,127,523	2,901,808	1,364,864	1,536,944
40-44 years .....	22,268,042	11,038,584	11,229,458	18,443,045	9,238,092	9,204,953	3,824,997	1,800,492	2,024,505	2,750,550	1,288,831	1,461,719
45-49 years .....	19,356,220	9,500,663	9,855,557	16,205,941	8,047,476	8,158,465	3,150,279	1,453,187	1,697,092	2,239,697	1,025,799	1,213,898
50-54 years .....	16,446,138	7,998,425	8,447,713	14,043,588	6,906,744	7,136,844	2,402,550	1,091,681	1,310,869	1,688,828	757,911	930,917
55-59 years .....	12,875,299	6,182,625	6,692,674	11,077,469	5,379,073	5,698,396	1,797,830	803,552	994,278	1,289,244	564,183	725,061
60-64 years .....	10,513,786	4,967,782	5,546,004	9,056,192	4,331,042	4,725,150	1,457,594	636,740	820,854	1,055,855	450,465	605,390
65-69 years .....	9,447,220	4,336,705	5,110,515	8,188,753	3,797,077	4,391,676	1,258,467	539,628	718,839	935,175	400,069	535,106
70-74 years .....	8,771,028	3,861,991	4,909,037	7,769,876	3,446,700	4,323,176	1,001,152	415,291	585,861	743,318	307,454	435,864
75-79 years .....	7,329,496	3,057,003	4,272,493	6,584,585	2,759,812	3,824,773	744,911	297,191	447,720	557,747	217,526	340,221
80-84 years .....	4,817,199	1,814,131	3,003,068	4,381,055	1,654,360	2,726,695	436,144	159,771	276,373	331,333	115,771	215,562
85 years and over .....	4,175,082	1,240,242	2,934,840	3,773,265	1,113,878	2,659,387	401,817	126,364	275,453	312,997	92,025	220,972

SOURCE: Published and unpublished data from the U.S. Bureau of the Census; see text.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table L. Estimated population, by age, for the United States, each division and State, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas: July 1, 1999

[Figures include Armed Forces stationed in each area, and exclude Armed Forces stationed outside the United States]

Area	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
United States....	272,690,813	3,819,903	15,122,239	39,495,230	37,773,512	37,935,812	44,812,649	35,802,358	23,389,085	18,218,248	12,146,695	4,175,082
Alabama .....	4,369,862	59,792	231,041	590,148	624,730	614,609	692,778	582,175	406,637	310,568	192,412	64,972
Alaska .....	619,500	9,703	40,062	113,329	104,654	72,283	106,349	91,254	47,116	21,975	10,377	2,398
Arizona .....	4,778,332	76,688	309,300	739,189	669,065	628,940	735,990	588,143	402,384	341,024	221,704	65,905
Arkansas .....	2,551,373	35,799	141,850	366,129	367,919	327,575	378,711	326,205	245,843	191,328	125,515	44,499
California.....	33,145,121	503,227	1,996,031	5,058,628	4,684,221	5,114,990	5,592,337	4,107,384	2,440,771	1,930,889	1,292,566	424,077
Colorado .....	4,056,133	58,422	229,793	592,039	577,959	523,975	698,674	607,548	359,950	221,673	138,479	47,621
Connecticut....	3,282,031	42,707	175,458	478,846	386,963	446,479	563,663	436,112	283,227	231,909	173,456	63,211
Delaware.....	753,538	10,299	39,866	102,238	99,302	113,221	130,219	97,062	63,196	54,477	33,517	10,141
District of Columbia ....	519,000	5,932	21,368	54,840	58,821	95,007	88,718	72,725	49,487	38,181	24,698	9,223
Florida.....	15,111,244	190,737	761,637	2,033,258	1,820,203	1,881,169	2,357,168	1,891,468	1,433,755	1,429,984	991,262	320,603
Georgia.....	7,788,240	119,066	461,084	1,140,252	1,110,401	1,205,249	1,337,846	1,023,436	629,763	419,257	256,548	85,338
Hawaii.....	1,185,497	16,742	63,645	162,143	166,543	146,817	198,212	165,659	103,847	88,018	56,576	17,295
Idaho.....	1,251,700	18,863	73,972	192,032	209,572	154,208	186,707	163,298	111,019	73,510	50,592	17,927
Illinois.....	12,128,370	176,578	701,101	1,783,938	1,662,918	1,701,968	2,002,805	1,569,666	1,033,219	771,168	532,621	192,388
Indiana.....	5,942,901	82,957	330,718	850,473	841,153	823,952	962,925	784,770	522,933	391,285	261,480	90,255
Iowa.....	2,869,413	36,380	146,440	402,039	417,004	356,641	440,536	379,687	262,199	207,766	156,221	64,500
Kansas.....	2,654,052	37,382	146,631	387,725	398,281	340,484	427,182	342,695	219,593	175,171	127,266	51,642
Kentucky.....	3,960,825	52,621	206,472	534,114	576,942	542,574	640,592	541,556	372,800	267,645	168,067	57,442
Louisiana.....	4,372,035	64,438	249,712	659,054	697,815	571,970	674,905	568,266	384,417	277,259	168,291	55,908
Maine.....	1,253,040	13,439	53,779	167,703	166,148	166,472	218,280	180,810	111,052	92,615	60,561	22,181
Maryland.....	5,171,634	69,852	277,006	749,685	654,867	760,262	937,609	699,077	426,315	321,639	208,861	66,461
Massachusetts	6,175,169	79,438	312,802	840,989	748,057	939,471	1,056,482	824,911	513,288	430,160	314,187	115,384
Michigan.....	9,863,775	130,271	524,564	1,463,152	1,371,045	1,362,355	1,632,196	1,315,328	841,304	644,881	434,460	144,219
Minnesota.....	4,775,508	63,931	257,692	720,497	683,731	629,537	813,063	627,419	394,244	290,556	210,388	84,450
Mississippi....	2,768,619	41,463	160,972	415,669	437,233	378,055	417,349	342,086	240,300	182,203	112,170	41,119
Missouri.....	5,468,338	73,173	289,868	788,243	768,695	721,307	889,573	704,211	487,584	387,871	259,758	98,055
Montana.....	882,779	10,527	42,533	126,176	133,972	94,112	137,378	132,182	88,660	60,167	41,746	15,326
Nebraska.....	1,666,028	22,944	91,858	247,224	251,915	206,359	261,113	215,316	141,013	113,657	80,316	34,313
Nevada.....	1,809,253	28,418	114,566	273,288	230,962	247,790	297,336	241,563	167,918	124,268	66,795	16,349
New Hampshire ...	1,201,134	14,424	59,491	177,586	151,060	178,006	222,845	160,662	92,475	76,518	50,193	17,874
New Jersey....	8,143,412	108,042	435,221	1,144,793	987,659	1,106,507	1,425,511	1,101,086	726,336	577,398	397,496	133,363
New Mexico..	1,739,844	26,915	104,485	277,101	263,327	210,923	278,038	229,305	149,776	111,274	67,080	21,620
New York.....	18,196,601	245,769	968,426	2,522,692	2,322,799	2,622,029	3,022,344	2,431,527	1,631,383	1,274,753	844,712	310,167
North Carolina.....	7,650,789	108,818	425,409	1,094,661	1,021,529	1,111,053	1,240,690	1,008,482	685,281	525,494	324,527	104,845
North Dakota..	633,666	7,692	31,606	89,204	100,097	77,782	97,360	82,205	55,337	44,830	32,792	14,761
Ohio.....	11,256,654	148,237	591,975	1,604,821	1,564,312	1,531,688	1,827,324	1,494,236	992,925	789,012	535,631	176,493
Oklahoma.....	3,358,044	47,986	184,631	488,327	504,049	417,337	508,480	439,147	319,389	238,257	153,232	57,209
Oregon.....	3,316,154	44,248	175,353	461,205	458,239	424,653	527,012	488,428	301,917	218,382	160,451	56,266
Pennsylvania..	11,994,016	141,544	570,548	1,638,741	1,526,896	1,570,310	1,945,111	1,614,829	1,087,101	971,549	695,092	232,295
Rhode Island..	990,819	12,365	49,672	139,607	123,457	144,164	163,918	125,192	78,096	75,286	57,941	21,121
South Carolina.....	3,885,736	52,149	201,313	537,751	557,225	560,080	629,340	525,412	349,095	267,928	158,717	46,726
South Dakota.....	733,133	9,977	39,809	110,689	115,721	85,830	112,371	92,094	61,200	51,683	37,860	15,899
Tennessee.....	5,483,535	75,211	291,633	746,320	747,565	776,272	897,425	753,637	514,518	370,485	231,574	78,895
Texas.....	20,044,141	333,219	1,306,356	3,136,761	3,043,095	2,771,877	3,261,864	2,554,534	1,619,938	1,108,940	674,010	233,547
Utah.....	2,129,836	43,971	166,470	374,983	422,926	292,796	279,697	221,960	141,430	99,006	65,105	21,492
Vermont.....	593,740	6,400	25,636	80,765	79,740	83,144	104,763	88,898	51,478	38,063	25,165	9,688
Virginia.....	6,872,912	91,463	359,175	936,269	951,171	1,047,601	1,193,584	931,107	587,657	427,961	262,908	84,016
Washington....	5,756,361	77,940	311,996	836,854	817,496	789,042	985,915	804,248	475,558	334,588	240,165	82,559
West Virginia.....	1,806,928	19,814	80,944	226,047	256,094	226,085	270,058	265,863	189,127	146,139	94,835	31,922
Wisconsin.....	5,250,446	65,859	265,963	766,603	758,160	688,229	867,958	696,354	449,911	349,158	247,593	94,658

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table L. Estimated population, by age, for the United States, each division and State, Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas: July 1, 1999

[Figures include Armed Forces stationed in each area, and exclude Armed Forces stationed outside the United States]

Area	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
Wyoming .....	479,602	6,071	24,306	70,410	79,804	52,573	74,345	71,140	45,323	30,440	18,726	6,464
Puerto Rico .....	3,889,507	60,062	251,439	629,364	670,712	609,500	509,183	438,878	320,482	221,366	80,680	97,841
Virgin Islands..	119,615	1,899	8,386	23,530	18,860	14,229	15,373	16,002	11,569	6,178	1,813	1,776
Guam .....	151,968	4,214	16,577	31,843	21,326	21,652	22,025	16,455	8,973	6,051	1,558	1,294
American Samoa.....	63,781	1,676	6,819	16,414	11,217	8,287	7,333	5,346	3,785	2,074	449	381
Northern Marianas .....	69,216	1,322	4,971	10,212	10,878	17,946	14,152	6,442	2,161	795	198	139

SOURCE: Published and unpublished data from the U.S. Bureau of the Census; see text.



**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table M. Estimated population by 5-year age groups, specified Hispanic origin, race for non-Hispanic population, and sex:  
United States, July 1, 1999

[Figures include Armed Forces stationed in the United States and exclude those stationed outside the United States. Populations for all origins, Hispanic, non-Hispanic, non-Hispanic white, and non-Hispanic black are postcensal estimates based on the 1990 census, estimated as of July 1, 1999; populations for Mexican, Puerto Rican, Cuban, Central and South American and other and unknown Hispanic are based on the Current Population Survey adjusted to resident population control totals. Due to rounding, population estimates for Hispanic subgroups may not add to Hispanic control totals. The control totals are 1990-based population estimates for the United States for July 1, 1999; see text]

Sex and age	All origins	Hispanic					Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Other Hispanic <sup>1</sup>	Total <sup>2</sup>	White	Black
<b>Both sexes</b>									
All ages .....	272,690,813	31,337,122	20,488,782	2,945,172	1,344,410	6,558,797	241,353,691	196,049,435	33,092,421
Under 1 year .....	3,819,903	721,512	512,263	60,495	16,287	132,460	3,098,391	2,366,679	528,998
1-4 years .....	15,122,239	2,745,592	1,982,862	231,465	54,265	477,011	12,376,647	9,504,144	2,074,442
5-9 years .....	19,946,746	3,243,040	2,282,612	269,965	62,448	628,012	16,703,706	12,748,940	2,961,201
10-14 years .....	19,548,484	2,739,391	1,882,506	274,588	72,907	509,386	16,809,093	12,913,252	2,925,762
15-19 years .....	19,747,923	2,780,366	1,916,741	281,289	77,446	504,884	16,967,557	13,116,918	2,890,618
20-24 years .....	18,025,589	2,689,820	1,871,070	224,286	58,630	535,844	15,335,769	11,902,736	2,555,750
25-29 years .....	18,209,100	2,569,952	1,798,723	211,884	70,634	488,713	15,639,148	12,159,026	2,474,893
30-34 years .....	19,726,712	2,660,206	1,705,225	239,422	104,817	610,754	17,066,506	13,508,484	2,521,909
35-39 years .....	22,544,607	2,583,422	1,584,034	236,592	110,610	652,180	19,961,185	16,157,243	2,747,911
40-44 years .....	22,268,042	2,164,811	1,341,143	203,038	97,790	522,844	20,103,231	16,481,842	2,618,544
45-49 years .....	19,356,220	1,657,654	1,002,838	168,952	86,244	399,617	17,698,566	14,702,438	2,140,338
50-54 years .....	16,446,138	1,257,005	705,315	148,785	83,600	319,298	15,189,133	12,898,332	1,616,691
55-59 years .....	12,875,299	932,256	533,127	98,958	75,934	224,244	11,943,043	10,226,211	1,235,670
60-64 years .....	10,513,786	746,762	390,906	94,106	97,688	164,072	9,767,024	8,372,235	1,013,555
65-69 years .....	9,447,220	612,055	326,275	71,225	82,751	131,804	8,835,165	7,627,871	899,880
70-74 years .....	8,771,028	489,670	271,561	56,063	62,208	99,848	8,281,358	7,317,379	717,911
75-79 years .....	7,329,496	351,245	185,622	38,746	63,674	63,203	6,978,251	6,258,533	540,772
80-84 years .....	4,817,199	203,190	106,660	23,510	33,992	39,027	4,614,009	4,191,691	321,931
85 years and over .....	4,175,082	189,173	89,299	11,803	32,485	55,596	3,985,909	3,595,481	305,645
<b>Male</b>									
All ages .....	133,276,559	15,761,482	10,548,482	1,419,464	646,862	3,146,678	1,419,464	646,862	3,146,678
Under 1 year .....	1,952,133	367,921	261,059	30,919	7,260	68,679	30,919	7,260	68,679
1-4 years .....	7,730,542	1,401,915	997,510	128,458	17,640	258,314	128,458	17,640	258,314
5-9 years .....	10,207,957	1,654,620	1,166,537	145,357	33,549	309,174	145,357	33,549	309,174
10-14 years .....	10,011,707	1,400,143	984,573	135,285	38,625	241,660	135,285	38,625	241,660
15-19 years .....	10,150,997	1,445,082	1,008,035	132,731	41,294	263,014	132,731	41,294	263,014
20-24 years .....	9,183,052	1,394,818	996,037	114,097	24,908	259,786	114,097	24,908	259,786
25-29 years .....	9,055,292	1,319,120	938,050	105,402	31,219	244,446	105,402	31,219	244,446
30-34 years .....	9,770,996	1,375,331	900,723	105,565	55,031	314,024	105,565	55,031	314,024
35-39 years .....	11,215,732	1,328,380	847,519	103,801	59,379	317,672	103,801	59,379	317,672
40-44 years .....	11,038,584	1,094,726	683,204	99,558	52,697	259,263	99,558	52,697	259,263
45-49 years .....	9,500,663	818,707	516,540	81,060	41,513	179,587	81,060	41,513	179,587
50-54 years .....	7,998,425	605,227	360,159	67,968	40,848	136,249	67,968	40,848	136,249
55-59 years .....	6,182,625	436,613	261,264	48,186	43,193	83,974	48,186	43,193	83,974
60-64 years .....	4,967,782	341,509	189,133	42,448	43,143	66,793	42,448	43,143	66,793
65-69 years .....	4,336,705	272,995	151,311	25,210	45,583	50,891	25,210	45,583	50,891
70-74 years .....	3,861,991	212,848	120,603	23,900	29,606	38,745	23,900	29,606	38,745
75-79 years .....	3,057,003	149,756	87,874	15,078	20,603	26,202	15,078	20,603	26,202
80-84 years .....	1,814,131	78,239	44,779	10,705	10,927	11,825	10,705	10,927	11,825
85 years and over .....	1,240,242	63,532	33,572	3,736	9,844	16,380	3,736	9,844	16,380

66,79

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table M. Estimated population by 5-year age groups, specified Hispanic origin, race for non-Hispanic population, and sex:  
 United States, July 1, 1999

[Figures include Armed Forces stationed in the United States and exclude those stationed outside the United States. Populations for all origins, Hispanic, non-Hispanic, non-Hispanic white, and non-Hispanic black are postcensal estimates based on the 1990 census, estimated as of July 1, 1999; populations for Mexican, Puerto Rican, Cuban, Central and South American and other and unknown Hispanic are based on the Current Population Survey adjusted to resident population control totals. Due to rounding, population estimates for Hispanic subgroups may not add to Hispanic control totals. The control totals are 1990-based population estimates for the United States for July 1, 1999; see text]

Sex and age	All origins	Hispanic					Non-Hispanic		
		Total	Mexican	Puerto Rican	Cuban	Other Hispanic <sup>1</sup>	Total <sup>2</sup>	White	Black
Female									
All ages .....	139,414,254	15,575,640	9,940,300	1,525,708	697,548	3,412,119	123,838,614	100,087,357	17,418,360
Under 1 year .....	1,867,770	353,591	251,204	29,576	9,027	63,781	1,514,179	1,154,113	260,295
1-4 years.....	7,391,697	1,343,677	985,352	103,007	36,625	218,697	6,048,020	4,630,612	1,022,954
5-9 years.....	9,738,789	1,588,420	1,116,075	124,608	28,899	318,838	8,150,369	6,209,300	1,458,543
10-14 years.....	9,536,777	1,339,248	897,933	139,303	34,282	267,726	8,197,529	6,284,953	1,439,908
15-19 years.....	9,596,926	1,335,284	908,706	148,558	36,152	241,870	8,261,642	6,364,387	1,421,534
20-24 years.....	8,842,537	1,295,002	875,033	110,189	33,722	276,058	7,547,535	5,811,778	1,293,090
25-29 years.....	9,153,808	1,250,832	860,673	106,482	39,415	244,267	7,902,976	6,076,568	1,293,186
30-34 years.....	9,955,716	1,284,875	804,502	133,857	49,786	296,730	8,670,841	6,776,868	1,342,837
35-39 years.....	11,328,875	1,255,042	736,515	132,791	51,231	334,508	10,073,833	8,062,787	1,461,476
40-44 years.....	11,229,458	1,070,085	657,939	103,480	45,093	263,581	10,159,373	8,235,379	1,397,135
45-49 years.....	9,855,557	838,947	486,298	87,892	44,731	220,030	9,016,610	7,397,437	1,163,815
50-54 years.....	8,447,713	651,778	345,156	80,817	42,752	183,049	7,795,935	6,543,455	893,322
55-59 years.....	6,692,674	495,643	271,863	50,772	32,741	140,270	6,197,031	5,246,222	696,270
60-64 years.....	5,546,004	405,253	201,773	51,658	54,545	97,279	5,140,751	4,354,579	581,810
65-69 years.....	5,110,515	339,060	174,964	46,015	37,168	80,913	4,771,455	4,081,378	515,270
70-74 years.....	4,909,037	276,822	150,958	32,163	32,602	61,103	4,632,215	4,067,888	421,184
75-79 years.....	4,272,493	201,489	97,748	23,668	43,071	37,001	4,071,004	3,638,263	330,105
80-84 years.....	3,003,068	124,951	61,881	12,805	23,065	27,202	2,878,117	2,610,341	209,608
85 years and over.....	2,934,840	125,641	55,727	8,067	22,641	39,216	2,809,199	2,541,049	216,018

<sup>1</sup> Includes Central and South American and Other and unknown Hispanic.

<sup>2</sup> Includes races other than white and black.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table N. Estimated population for ages 15 years and over, by 5-year age groups, marital status, race, and sex: United States, 1999

[Figures may be subject to large sampling variability. Figures include Armed Forces stationed in the United States and exclude those stationed outside the United States]

Race, sex, and marital status	15 years and over	15-17 years	18-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
All races.....	214,253,450	11,762,059	7,985,858	18,025,599	18,209,082	19,726,707	22,544,605	22,268,056	19,356,216
Never married.....	59,325,869	11,582,708	7,648,528	14,049,500	8,264,643	5,178,476	4,024,422	3,004,323	1,955,335
Married.....	120,319,059	135,481	326,827	3,707,946	9,004,961	12,816,677	15,635,012	15,751,334	13,988,751
Widowed.....	14,703,589	3,767	837	9,409	28,784	63,570	168,789	235,804	365,851
Divorced.....	19,904,933	40,103	9,666	258,744	910,694	1,667,984	2,716,382	3,276,595	3,046,279
All races, male.....	103,374,198	6,058,281	4,092,723	9,183,056	9,055,281	9,770,990	11,215,723	11,038,589	9,500,649
Never married.....	32,158,349	5,988,047	4,014,939	7,660,754	4,714,638	2,985,958	2,339,670	1,744,853	1,040,125
Married.....	59,887,583	51,567	74,773	1,431,781	3,948,339	6,065,711	7,548,974	7,735,826	6,997,737
Widowed.....	2,697,871	846	-	359	5,742	12,249	45,117	59,323	73,000
Divorced.....	8,630,395	17,821	3,011	90,162	386,562	707,072	1,281,962	1,498,587	1,389,787
All races, female.....	110,879,252	5,703,778	3,893,135	8,842,543	9,153,801	9,955,717	11,328,882	11,229,467	9,855,567
Never married.....	27,167,520	5,594,661	3,633,589	6,388,746	3,550,005	2,192,518	1,684,752	1,259,470	915,210
Married.....	60,431,476	83,914	252,054	2,276,165	5,056,622	6,750,966	8,086,038	8,015,508	6,991,014
Widowed.....	12,005,718	2,921	837	9,050	23,042	51,321	123,672	176,481	292,851
Divorced.....	11,274,538	22,282	6,655	168,582	524,132	960,912	1,434,420	1,778,008	1,656,492
White.....	178,473,363	9,304,356	6,343,280	14,367,072	14,504,770	15,926,617	18,503,497	18,443,051	16,205,947
Never married.....	44,853,837	9,160,893	6,040,987	10,845,868	6,020,921	3,655,633	2,811,620	2,114,571	1,391,147
Married.....	104,652,644	111,002	293,729	3,288,514	7,677,974	10,860,702	13,307,137	13,475,971	12,021,935
Widowed.....	12,439,757	846	837	7,044	18,973	47,134	135,323	180,455	268,789
Divorced.....	16,527,125	31,615	7,727	225,646	786,902	1,363,148	2,249,417	2,672,054	2,524,076
White, male.....	86,690,843	4,803,471	3,265,801	7,371,872	7,289,214	7,984,095	9,302,140	9,238,093	86,690,843
Never married.....	24,910,873	4,746,456	3,195,536	6,033,209	3,550,133	2,236,597	1,769,578	1,300,123	797,922
Married.....	51,623,813	41,443	69,193	1,255,710	3,396,711	5,167,167	6,413,267	6,655,335	6,007,564
Widowed.....	1,817,352	846	-	-	5,742	11,672	33,459	46,570	53,742
Divorced.....	7,224,922	14,726	1,072	82,953	336,628	568,659	1,085,836	1,236,065	1,188,244
White, female.....	91,782,520	4,500,885	3,077,479	6,995,200	7,215,556	7,942,522	9,201,357	9,204,958	8,158,475
Never married.....	19,792,379	4,414,437	2,845,451	4,812,659	2,470,788	1,419,036	1,042,042	814,448	593,225
Married.....	52,020,850	69,559	224,536	2,032,804	4,281,263	5,693,535	6,893,870	6,820,636	6,014,371
Widowed.....	8,134,491	-	837	7,044	13,231	35,462	101,864	133,885	215,047
Divorced.....	9,175,418	16,889	6,655	142,693	450,274	794,489	1,163,581	1,435,989	1,335,832
Black.....	25,833,663	1,807,421	1,236,352	2,696,654	2,611,238	2,675,423	2,901,806	2,750,556	2,239,695
Never married.....	11,191,899	1,781,607	1,215,444	2,404,161	1,625,501	1,205,459	1,002,891	773,114	478,085
Married.....	9,986,018	15,775	18,969	272,409	888,707	1,204,497	1,493,301	1,421,035	1,241,159
Widowed.....	1,835,077	1,551	-	705	9,811	14,874	20,824	51,994	80,312
Divorced.....	2,820,669	8,488	1,939	19,379	87,219	250,593	384,790	504,413	440,139
Black, male.....	11,971,816	924,668	623,597	1,333,365	1,248,877	1,256,405	1,364,864	1,288,835	1,025,796
Never married.....	5,474,842	911,449	616,078	1,223,006	809,493	564,973	457,056	373,903	207,552
Married.....	4,926,136	10,124	5,580	106,745	399,822	575,606	735,552	683,122	627,882
Widowed.....	330,859	-	-	-	-	-	7,510	12,587	19,258
Divorced.....	1,147,956	3,095	1,939	3,614	39,562	115,826	164,746	219,223	171,104

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table N. Estimated population for ages 15 years and over, by 5-year age groups, marital status, race, and sex: United States, 1999

[Figures may be subject to large sampling variability. Figures include Armed Forces stationed in the United States and exclude those stationed outside the United States]

Race, sex, and marital status	15 years and over	15-17 years	18-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
Black, female .....	13,861,847	882,753	612,755	1,363,289	1,362,361	1,419,018	1,536,942	1,461,721	1,213,899
Never married .....	5,707,169	870,158	599,366	1,181,155	816,008	640,486	545,835	399,211	270,533
Married .....	5,000,122	5,651	13,389	165,664	488,885	628,891	757,749	737,913	613,277
Widowed .....	1,274,502	1,551	-	705	9,811	14,874	13,314	39,407	61,054
Divorced .....	1,659,079	5,393	-	15,765	47,657	134,767	220,044	285,190	269,035
American Indian	1,727,323	145,820	88,833	194,323	193,240	180,800	185,826	172,940	143,274
Never married .....	633,828	144,943	87,884	138,503	99,630	55,184	38,799	23,903	19,026
Married .....	830,015	877	949	43,930	77,204	107,311	114,708	123,435	103,792
Widowed .....	91,473	-	-	1,660	-	669	2,314	317	5,341
Divorced .....	172,007	-	-	10,230	16,406	17,636	30,005	25,285	15,115
American Indian, male	846,883	73,686	44,239	97,859	99,070	92,196	93,251	84,868	69,536
Never married .....	336,749	73,686	44,239	69,323	57,542	31,692	27,645	13,033	10,658
Married .....	412,809	-	-	25,640	38,522	53,411	58,956	56,856	48,275
Widowed .....	17,674	-	-	359	-	-	-	166	-
Divorced .....	73,187	-	-	2,537	3,006	7,093	6,650	14,813	10,603
American Indian, female	880,440	72,134	44,594	96,464	94,170	88,604	92,575	88,072	73,738
Never married .....	294,122	71,257	43,645	69,180	42,088	23,492	11,154	10,870	8,368
Married .....	413,855	877	949	18,290	38,682	3,900	55,752	66,579	55,517
Widowed .....	59,722	-	-	1,301	-	669	2,314	151	5,341
Divorced .....	98,820	-	-	7,693	13,400	10,543	23,355	10,472	4,512
Asian or Pacific Islander	8,219,101	504,462	317,393	767,550	899,834	943,867	953,476	901,509	767,300
Never married .....	2,646,305	495,265	304,213	660,968	518,591	262,200	171,112	92,735	67,077
Married .....	4,850,382	7,827	13,180	103,093	361,076	644,167	719,866	730,893	621,865
Widowed .....	337,282	1,370	-	-	-	893	10,328	3,038	11,409
Divorced .....	385,132	-	-	3,489	20,167	36,607	52,170	74,843	66,949
Asian or Pacific Islander, male	3,864,656	256,456	159,086	379,960	418,120	438,294	455,468	426,793	357,845
Never married .....	1,398,481	256,456	159,086	335,216	297,470	152,696	85,391	57,794	23,993
Married .....	2,258,060	-	-	43,686	113,284	269,527	341,199	340,513	314,016
Widowed .....	41,488	-	-	-	-	577	4,148	-	-
Divorced .....	138,751	-	-	1,058	7,366	15,494	24,730	28,486	19,836
Asian or Pacific Islander, female	4,354,445	248,006	158,307	387,590	481,714	505,573	498,008	474,716	409,455
Never married .....	1,244,147	238,809	145,127	325,752	221,121	109,504	85,721	34,941	43,084
Married .....	2,572,482	7,827	13,180	59,407	247,792	374,640	378,667	390,380	307,849
Widowed .....	254,109	1,370	-	-	-	316	6,180	3,038	11,409
Divorced .....	243,141	-	-	2,431	12,801	21,113	27,440	46,357	47,113

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table N. Estimated population for ages 15 years and over, by 5-year age groups, marital status, race, and sex: United States, 1999

[Figures may be subject to large sampling variability. Figures include Armed Forces stationed in the United States and exclude those stationed outside the United States]

Race, sex, and marital status	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years and over
All races.....	16,446,154	12,875,293	10,513,779	9,447,215	8,771,023	7,329,515	4,817,199	4,175,090
Never married.....	1,068,084	725,594	490,492	380,387	314,341	285,557	186,372	167,107
Married.....	12,358,855	9,451,058	7,702,145	6,557,705	5,564,075	4,087,013	2,140,287	1,090,932
Widowed.....	508,973	765,285	1,052,824	1,622,145	2,225,898	2,580,336	2,297,925	2,773,392
Divorced.....	2,510,242	1,933,356	1,268,318	886,978	666,709	376,609	192,615	143,659
All races, male.....	7,998,426	6,182,629	4,967,770	4,336,704	3,861,985	3,057,014	1,814,132	1,240,246
Never married.....	515,058	354,000	257,445	189,554	118,418	126,872	70,614	37,404
Married.....	6,368,717	4,870,688	4,011,164	3,470,345	3,049,782	2,289,115	1,306,299	666,765
Widowed.....	101,507	151,363	168,338	298,246	412,261	495,206	383,816	490,498
Divorced.....	1,013,144	806,578	530,823	378,559	281,524	145,821	53,403	45,579
All races, female.....	8,447,728	6,692,664	5,546,009	5,110,511	4,909,038	4,272,501	3,003,067	2,934,844
Never married.....	553,026	371,594	233,047	190,833	195,923	158,685	115,758	129,703
Married.....	5,990,138	4,580,370	3,690,981	3,087,360	2,514,293	1,797,898	833,988	424,167
Widowed.....	407,466	613,922	884,486	1,323,899	1,813,637	2,085,130	1,914,109	2,282,894
Divorced.....	1,497,098	1,126,778	737,495	508,419	385,185	230,788	139,212	98,080
White.....	14,043,596	11,077,452	9,056,189	8,188,756	7,769,878	6,584,584	4,381,053	3,773,265
Never married.....	797,491	528,498	386,793	270,461	266,236	246,577	165,556	150,585
Married.....	10,766,533	8,301,773	6,856,322	5,868,081	5,042,556	3,777,465	1,994,969	1,007,981
Widowed.....	393,305	606,144	808,083	1,315,983	1,874,202	2,242,505	2,052,220	2,487,914
Divorced.....	2,086,267	1,641,037	1,004,991	734,231	586,884	318,037	168,308	126,785
White, male.....	6,906,739	5,379,069	4,331,036	3,797,084	3,446,701	2,759,816	1,654,357	1,113,883
Never married.....	393,077	273,664	208,091	138,800	97,861	108,050	61,776	30,694
Married.....	5,573,640	4,288,043	3,567,966	3,117,053	2,756,570	2,107,968	1,206,183	613,299
Widowed.....	78,697	117,166	127,158	232,189	344,856	425,944	339,311	430,359
Divorced.....	861,325	700,196	427,821	309,042	247,414	117,854	47,087	39,531
White, female.....	7,136,857	5,698,383	4,725,153	4,391,672	4,323,177	3,824,768	2,726,696	2,659,382
Never married.....	404,414	254,834	178,702	131,661	168,375	138,527	103,780	119,891
Married.....	5,192,893	4,013,730	3,288,356	2,751,028	2,285,986	1,669,497	788,786	394,682
Widowed.....	314,608	488,978	680,925	1,083,794	1,529,346	1,816,561	1,712,909	2,057,555
Divorced.....	1,224,942	940,841	577,170	425,189	339,470	200,183	121,221	87,254
Black.....	1,688,830	1,289,253	1,055,854	935,171	743,319	557,759	331,334	312,998
Never married.....	235,758	175,889	95,693	98,798	38,051	33,506	18,054	9,888
Married.....	995,865	727,748	540,918	458,395	352,355	200,296	94,829	59,760
Widowed.....	92,710	136,388	194,129	237,950	289,881	275,410	198,822	229,716
Divorced.....	364,497	249,228	225,114	140,028	63,032	48,547	19,629	13,634
Black, male.....	757,915	564,190	450,461	400,066	307,452	217,528	115,774	92,023
Never married.....	108,165	73,351	43,454	45,437	16,590	16,988	7,347	1,021
Married.....	501,005	365,032	293,980	241,335	200,252	111,897	68,202	35,989
Widowed.....	20,546	33,334	27,107	51,868	59,885	62,779	35,985	50,363
Divorced.....	128,199	92,473	85,920	61,426	30,725	25,864	4,240	4,650

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table N. Estimated population for ages 15 years and over, by 5-year age groups, marital status, race, and sex: United States, 1999

[Figures may be subject to large sampling variability. Figures include Armed Forces stationed in the United States and exclude those stationed outside the United States]

Race, sex, and marital status	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years and over
Black, female.....	930,915	725,063	605,393	535,105	435,867	340,231	215,560	220,975
Never married.....	127,593	102,538	52,239	53,361	21,461	16,518	10,707	8,867
Married.....	494,860	362,716	246,938	217,060	152,103	88,399	26,627	23,771
Widowed.....	72,164	103,054	167,022	186,082	229,996	212,631	162,837	179,353
Divorced.....	236,298	156,755	139,194	78,602	32,307	22,683	15,389	8,984
American Indian	112,733	83,514	64,598	50,051	40,452	31,401	19,133	20,385
Never married.....	12,221	6,398	-	510	2,096	1,774	-	2,957
Married.....	75,581	57,839	43,431	33,941	19,029	15,349	9,288	3,351
Widowed.....	4,553	6,952	11,657	11,427	13,726	11,537	7,243	14,077
Divorced.....	20,378	12,325	9,510	4,173	5,601	2,741	2,602	-
American Indian, male	54,152	39,470	30,127	22,577	18,173	13,472	7,743	6,464
Never married.....	6,066	894	-	400	858	713	-	2,957
Married.....	36,861	30,236	20,278	16,734	9,926	12,759	4,355	651
Widowed.....	1,053	863	4,997	2,844	4,004	-	3,388	2,856
Divorced.....	10,172	7,477	4,852	2,599	3,385	-	-	-
American Indian, female	58,581	44,044	34,471	27,474	22,279	17,929	11,390	13,921
Never married.....	6,155	5,504	-	110	1,238	1,061	-	-
Married.....	38,720	27,603	23,153	17,207	9,103	2,590	4,933	2,700
Widowed.....	3,500	6,089	6,660	8,583	9,722	11,537	3,855	11,221
Divorced.....	10,206	4,848	4,658	1,574	2,216	2,741	2,602	-
Asian or Pacific Islander	600,995	425,074	337,138	273,237	217,374	155,771	85,679	68,442
Never married.....	22,614	14,809	8,006	10,618	7,958	3,700	2,762	3,677
Married.....	520,876	363,698	261,474	197,288	150,135	93,903	41,201	19,840
Widowed.....	18,405	15,801	38,955	56,785	48,089	50,884	39,640	41,685
Divorced.....	39,100	30,766	28,703	8,546	11,192	7,284	2,076	3,240
Asian or Pacific Islander, male	279,620	199,900	156,146	116,977	89,659	66,198	36,258	27,876
Never married.....	7,750	6,091	5,900	4,917	3,109	1,121	1,491	2,732
Married.....	257,211	187,377	128,940	95,223	83,034	56,491	27,559	16,826
Widowed.....	1,211	-	9,076	11,345	3,516	6,483	5,132	6,920
Divorced.....	13,448	6,432	12,230	5,492	-	2,103	2,076	1,398
Asian or Pacific Islander, female	321,375	225,174	180,992	156,260	127,715	89,573	49,421	40,566
Never married.....	14,864	8,718	2,106	5,701	4,849	2,579	1,271	945
Married.....	263,665	176,321	132,534	102,065	67,101	37,412	13,642	3,014
Widowed.....	17,194	15,801	29,879	45,440	44,573	44,401	34,508	34,765
Divorced.....	25,652	24,334	16,473	3,054	11,192	5,181	-	1,842

- Quantity zero.

SOURCE: Population estimates based on unpublished tabulations prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table O. Estimated population for ages 15 years and over, by 5-year age groups, marital status, specified Hispanic origin, race for non-Hispanic population, and sex: United States, 1999

[Figures may be subject to large sampling variability. Figures include Armed Forces stationed in the United States and exclude those stationed outside the United States]

Hispanic origin, race for non-Hispanic origin, sex, and marital status	15 years and over	15-17 years	18-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
<b>Mexican, male</b>									
Never married.....	2,519,541	497,545	329,226	656,294	472,017	242,842	161,611	84,215	37,085
Married.....	3,456,600	3,249	19,962	241,450	465,413	587,998	527,743	448,690	329,809
Widowed.....	97,884	-	-	519	590	3,870	2,861	1,933	2,789
Divorced.....	324,767	2,596	519	9,060	20,171	50,894	51,320	47,110	48,845
<b>Mexican, female</b>									
Never married.....	1,605,553	403,590	242,190	384,360	201,913	130,512	82,695	43,066	35,544
Married.....	3,316,475	16,230	51,303	362,360	497,639	551,978	489,264	393,823	288,870
Widowed.....	305,267	-	-	-	5,224	950	5,758	7,917	13,276
Divorced.....	403,100	-	-	15,713	24,982	50,671	63,103	64,296	63,446
<b>Puerto Rican, male</b>									
Never married.....	420,535	94,506	54,911	84,399	57,478	39,021	41,636	24,469	8,258
Married.....	465,856	357	2,183	14,525	35,538	79,165	76,335	65,346	54,670
Widowed.....	15,354	-	-	-	-	-	-	437	381
Divorced.....	82,761	-	417	1,592	3,072	9,149	12,262	18,991	15,156
<b>Puerto Rican, female</b>									
Never married.....	421,129	100,010	47,960	84,069	49,974	38,673	32,743	18,638	13,748
Married.....	506,147	477	1,771	22,391	64,706	86,943	72,838	61,894	52,883
Widowed.....	75,382	-	-	-	-	682	1,902	2,799	3,140
Divorced.....	134,542	-	-	4,750	4,856	16,900	26,667	26,981	14,953
<b>Cuban, male</b>									
Never married.....	149,860	13,891	10,428	30,108	23,370	18,252	20,550	8,567	1,530
Married.....	301,052	-	-	7,172	19,422	39,508	26,510	26,213	24,868
Widowed.....	11,047	-	-	-	-	-	-	-	1,407
Divorced.....	54,900	-	-	-	634	6,825	8,828	12,422	6,047
<b>Cuban, female</b>									
Never married.....	89,519	16,386	10,072	19,588	6,581	7,266	4,777	767	3,600
Married.....	264,100	-	553	9,326	19,304	33,579	32,840	26,774	27,895
Widowed.....	64,623	-	678	-	-	-	-	813	1,943
Divorced.....	63,263	-	-	1,098	5,839	4,413	7,389	6,165	11,489
<b>Other Hispanic, male</b>									
Never married.....	980,896	158,752	114,605	258,537	186,079	108,480	67,872	27,714	21,649
Married.....	1,121,256	2,839	2,584	51,015	97,256	183,529	192,535	156,705	133,470
Widowed.....	21,447	-	-	-	-	-	477	-	3,224
Divorced.....	135,568	580	-	3,016	3,210	21,192	19,567	26,539	21,707

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table O. Estimated population for ages 15 years and over, by 5-year age groups, marital status, specified Hispanic origin, race for non-Hispanic population, and sex: United States, 1999

[Figures may be subject to large sampling variability. Figures include Armed Forces stationed in the United States and exclude those stationed outside the United States]

Hispanic origin, race for non-Hispanic origin, sex, and marital status	15 years and over	15-17 years	18-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years
<b>Other Hispanic, female</b>									
Never married.....	716,678	157,948	100,400	150,648	97,814	64,412	38,182	33,033	17,193
Married.....	1,238,828	3,337	11,426	69,080	156,007	204,686	196,330	183,354	125,685
Widowed.....	174,577	-	-	319	2,006	1,188	2,533	7,420	10,208
Divorced.....	215,418	-	-	2,572	11,978	23,913	44,479	32,816	28,999
<b>White non-Hispanic, male</b>									
Never married.....	20,232,753	3,869,158	2,436,784	4,791,353	3,084,799	1,968,241	1,393,808	986,648	604,120
Married.....	45,808,695	16,381	51,364	1,034,108	3,040,868	4,775,272	5,856,204	5,710,263	5,420,984
Widowed.....	2,118,813	1,047	-	-	4,173	17,509	14,847	32,475	41,723
Divorced.....	6,140,710	10,646	5,177	81,143	295,885	680,562	948,125	1,007,65-	981,374
<b>White non-Hispanic, female</b>									
Never married.....	15,915,208	3,598,503	2,199,227	3,806,879	2,131,690	1,197,055	787,428	619,215	406,262
Married.....	45,942,911	45,611	162,372	1,649,882	3,831,709	5,461,323	6,233,162	5,768,416	5,342,823
Widowed.....	9,612,474	1,909	-	7,236	12,610	32,521	70,191	117,271	188,366
Divorced.....	8,072,530	8,471	5,348	188,240	438,704	779,045	1,070,714	1,243,509	1,182,599
<b>Black non-Hispanic, male</b>									
Never married.....	4,998,082	828,885	531,513	1,064,251	771,661	606,535	478,469	299,142	145,247
Married.....	4,427,255	13,666	5,983	120,860	343,635	521,931	663,539	585,907	544,127
Widowed.....	322,408	828	-	-	875	5,238	2,150	6,939	13,053
Divorced.....	978,369	2,390	1,498	16,290	53,293	103,279	106,910	194,857	161,687
<b>Black non-Hispanic, female</b>									
Never married.....	5,043,212	800,185	504,507	1,063,079	798,240	616,828	468,821	271,207	187,888
Married.....	4,685,813	12,697	24,776	159,470	408,782	643,048	692,146	715,416	580,199
Widowed.....	1,336,536	2,470	502	1,113	3,995	11,455	25,727	24,345	46,259
Divorced.....	1,467,468	998	1,264	11,594	76,235	132,119	231,246	251,716	222,646
<b>Other non-Hispanic, male</b>									
Never married.....	1,516,684	256,973	155,049	391,376	317,310	172,954	91,639	57,787	33,230
Married.....	2,111,795	1,486	-	30,097	129,262	271,752	339,611	313,104	273,699
Widowed.....	70,834	247	-	-	4,948	-	957	-	4,670
Divorced.....	186,462	-	-	2,090	14,537	21,173	28,874	38,795	26,275
<b>Other non-Hispanic, female</b>									
Never married.....	1,215,568	246,720	137,407	328,347	259,882	80,905	61,023	38,258	24,129
Married.....	2,443,146	1,407	11,636	92,638	229,699	380,819	394,057	365,046	298,683
Widowed.....	346,670	1,468	743	3,049	-	8,795	3,745	2,690	19,225
Divorced.....	269,014	-	-	3,438	7,925	36,990	36,718	52,437	48,883



**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table O. Estimated population for ages 15 years and over, by 5-Year age groups, marital status, race, and specified Hispanic origin, race for non-Hispanic population, and sex: United States, 1999

[Figures may be subject to large sampling variability. Figures include Armed Forces stationed in the United States and exclude those stationed outside the United States]

Hispanic origin, race for non-Hispanic origin, sex, and marital status	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-80 years	80-84 years	85 years and over
<b>Mexican, male</b>								
Never married .....	13,133	13,809	3,738	2,123	1,355	-	2,602	1,946
Married .....	241,710	167,307	164,337	104,915	72,364	37,570	27,252	16,831
Widowed.....	7,203	4,643	6,483	12,886	19,500	19,358	8,741	6,508
Divorced .....	39,766	14,217	14,546	10,852	6,516	3,778	1,621	2,956
<b>Mexican, female</b>								
Never married .....	22,280	16,018	11,002	11,030	6,987	7,716	961	5,689
Married .....	211,565	154,209	109,912	102,134	48,459	15,553	14,578	8,598
Widowed.....	14,460	14,564	33,943	41,439	49,341	50,569	36,400	31,426
Divorced .....	37,011	25,385	22,701	10,266	18,176	4,571	1,168	1,611
<b>Puerto Rican, male</b>								
Never married .....	8,084	5,547	1,409	-	817	-	-	-
Married .....	35,454	40,696	19,378	16,956	14,468	8,329	1,079	1,377
Widowed.....	710	712	3,847	2,489	2,472	1,210	1,692	1,404
Divorced .....	12,513	1,270	3,051	3,224	801	-	603	660
<b>Puerto Rican, female</b>								
Never married .....	11,607	12,290	4,740	3,098	444	1,346	678	1,111
Married .....	54,591	30,379	21,712	13,621	11,589	5,582	2,558	2,212
Widowed.....	5,202	7,055	9,193	9,662	10,818	7,476	7,869	9,584
Divorced .....	7,328	15,596	10,256	2,549	1,280	2,426	-	-
<b>Cuban, male</b>								
Never married .....	2,344	8,544	1,041	2,688	3,121	410	506	4,510
Married .....	19,474	23,498	29,130	35,308	19,896	13,058	8,453	8,542
Widowed.....	-	-	1,864	819	2,124	3,186	513	1,134
Divorced .....	1,657	8,957	381	968	6,636	544	1,001	-
<b>Cuban, female</b>								
Never married .....	4,074	4,477	1,422	1,874	1,281	1,683	1,747	3,924
Married .....	12,501	21,111	28,157	25,256	14,776	5,570	4,121	2,337
Widowed.....	-	2,598	3,787	4,568	9,877	18,823	13,267	8,269
Divorced .....	4,282	3,247	748	4,897	7,788	4,515	1,393	-
<b>Other Hispanic, male</b>								
Never married .....	11,768	11,353	6,968	3,102	2,328	1,441	-	248
Married .....	91,817	72,489	37,757	52,450	21,817	17,171	4,802	3,020
Widowed.....	-	1,013	1,518	2,578	4,985	3,387	2,841	1,424
Divorced .....	13,806	5,724	5,480	1,427	6,333	4,163	2,824	-

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table O. Estimated population for ages 15 years and over, by 5-Year age groups, marital status, race, and specified Hispanic origin, race for non-Hispanic population, and sex: United States, 1999

[Figures may be subject to large sampling variability. Figures include Armed Forces stationed in the United States and exclude those stationed outside the United States]

Hispanic origin, race for non-Hispanic origin, sex, and marital status	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-80 years	80-84 years	85 years and over
<b>Other Hispanic, female</b>								
Never married .....	15,282	11,588	6,376	7,427	5,601	2,911	3,715	4,148
Married .....	101,942	69,617	53,118	33,579	18,623	9,717	1,818	509
Widowed.....	5,865	11,280	17,377	30,130	24,117	22,568	20,393	19,173
Divorced .....	17,911	18,267	15,273	7,938	8,586	2,686	-	-
<b>White non-Hispanic, male</b>								
Never married .....	294,319	185,559	173,378	158,619	128,366	55,479	51,286	50,836
Married .....	4,312,637	3,605,580	3,115,895	3,040,935	2,544,486	1,833,929	1,007,921	441,868
Widowed.....	51,659	87,985	141,610	260,802	329,166	407,803	342,436	385,578
Divorced .....	683,412	462,413	354,879	244,405	215,456	104,826	43,217	21,540
<b>White non-Hispanic, female</b>								
Never married .....	224,959	159,275	143,122	167,151	125,787	143,978	90,893	113,784
Married .....	4,153,330	3,368,120	2,864,134	2,624,483	2,157,548	1,361,697	642,300	276,001
Widowed.....	256,024	361,998	628,151	1,138,359	1,551,446	1,744,501	1,664,717	1,837,174
Divorced .....	887,305	693,146	505,953	413,696	287,533	185,507	95,549	87,211
<b>Black non-Hispanic, male</b>								
Never married .....	105,420	65,818	29,835	34,111	13,732	10,451	3,259	9,753
Married .....	387,941	315,356	298,375	233,617	172,690	113,368	60,800	45,460
Widowed.....	4,434	25,857	26,090	70,483	57,288	54,967	29,261	24,945
Divorced .....	104,241	79,486	54,888	40,861	32,329	18,049	6,906	1,405
<b>Black non-Hispanic, female</b>								
Never married .....	99,541	71,643	56,172	32,970	29,484	16,803	4,073	21,771
Married .....	381,748	328,588	262,591	219,918	130,712	72,258	35,566	17,898
Widowed.....	85,113	114,507	142,607	188,740	200,098	194,258	148,380	146,967
Divorced .....	176,252	106,506	82,988	71,194	45,462	30,200	17,664	9,384
<b>Other non-Hispanic, male</b>								
Never married .....	6,709	16,702	5,811	1,181	7,773	2,190	-	-
Married .....	208,912	157,069	136,233	90,114	72,279	37,945	27,324	22,908
Widowed.....	2,804	5,015	1,336	15,774	6,489	18,783	7,951	1,860
Divorced .....	24,293	9,865	4,800	10,490	5,270	-	-	-
<b>Other non-Hispanic, female</b>								
Never married .....	8,877	7,304	7,904	5,255	5,810	2,546	1,201	-
Married .....	216,793	155,141	114,609	77,480	55,431	32,677	14,513	2,517
Widowed.....	25,563	31,079	33,877	60,016	53,206	37,633	29,729	35,852
Divorced .....	21,608	19,001	22,548	9,813	7,765	1,888	-	-

- Quantity zero.

SOURCE: Population estimates based on unpublished tabulations prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table P. Estimated population for ages 25-64 years, by educational attainment, race, and sex:  
Total of 46 reporting States and the District of Columbia, July 1, 1999

[Figures include Armed forces stationed in the United States and exclude those stationed outside the United States]

Race, sex, and years of school completed	25-64 years	25-34 years	35-44 years	45-54 years	55-64 years
All races <sup>1</sup> , both sexes .....	134,833,509	36,084,064	42,608,999	33,842,243	22,298,203
Under 12 years .....	17,266,667	4,433,942	4,933,222	3,819,020	4,080,483
12 years .....	44,118,610	11,032,314	14,373,871	10,601,169	8,111,256
13 years or more .....	73,448,232	20,617,808	23,301,906	19,422,054	10,106,464
Male .....	66,309,181	17,920,066	21,187,418	16,562,700	10,638,997
Under 12 years .....	8,790,283	2,371,126	2,629,132	1,855,186	1,934,839
12 years .....	21,261,941	5,762,296	7,282,051	4,733,429	3,484,165
13 years or more .....	36,256,957	9,786,644	11,276,235	9,974,085	5,219,993
Female .....	68,524,328	18,163,998	21,421,581	17,279,543	11,659,206
Under 12 years .....	8,476,384	2,062,816	2,304,090	1,963,834	2,145,644
12 years .....	22,856,669	5,270,018	7,091,820	5,867,740	4,627,091
13 years or more .....	37,191,275	10,831,164	12,025,671	9,447,969	4,886,471
White, both sexes .....	112,335,903	29,155,655	35,262,242	28,667,327	19,250,679
Under 12 years .....	13,611,638	3,580,403	3,883,472	3,006,966	3,140,797
12 years .....	36,754,922	8,850,168	11,883,882	8,862,448	7,158,424
13 years or more .....	61,969,343	16,725,084	19,494,888	16,797,913	8,951,458
Male .....	55,818,055	14,649,994	17,712,117	14,187,971	9,267,973
Under 12 years .....	7,087,434	1,966,689	2,132,436	1,490,255	1,498,054
12 years .....	17,750,947	4,657,801	6,045,832	3,956,186	3,091,128
13 years or more .....	30,979,674	8,025,504	9,533,849	8,741,530	4,678,791
Female .....	56,517,848	14,505,661	17,550,125	14,479,356	9,982,706
Under 12 years .....	6,524,204	1,613,714	1,751,036	1,516,711	1,642,743
12 years .....	19,003,975	4,192,367	5,838,050	4,906,262	4,067,296
13 years or more .....	30,989,669	8,699,580	9,961,039	8,056,383	4,272,667
Black, both sexes .....	15,660,148	4,757,671	5,164,930	3,574,165	2,163,382
Under 12 years .....	2,681,338	616,583	776,806	568,891	719,058
12 years .....	5,790,435	1,766,115	1,966,561	1,320,021	737,738
13 years or more .....	7,188,375	2,374,973	2,421,563	1,685,253	706,586
Male .....	7,255,471	2,245,383	2,431,073	1,622,199	956,816
Under 12 years .....	1,274,236	282,543	372,941	268,219	350,533
12 years .....	2,822,519	917,508	1,011,877	596,917	296,217
13 years or more .....	3,158,716	1,045,332	1,046,255	757,063	310,066
Female .....	8,404,677	2,512,288	2,733,857	1,951,966	1,206,566
Under 12 years .....	1,407,102	334,040	403,865	300,672	368,525
12 years .....	2,967,916	848,607	954,684	723,104	441,521
13 years or more .....	4,029,659	1,329,641	1,375,308	928,190	396,520

1/ Includes races other than white and black.

SOURCE: Population estimates based on unpublished tabulations prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table Q. Ratio of census-level resident population to resident population adjusted for estimated net census undercount by age, sex, and race: April 1, 1990

Age	All races			White			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All ages.....	0.9815	0.9721	0.9906	0.9802	0.9728	0.9873	0.9432	0.9151	0.9699
Under 5 years.....	0.9632	0.9634	0.9629	0.9677	0.9685	0.9669	0.9160	0.9139	0.9182
Under 1 year.....	0.9686	0.9684	0.9689	0.9730	0.9734	0.9725	0.9239	0.9214	0.9264
1-4 years.....	0.9617	0.9621	0.9613	0.9664	0.9674	0.9654	0.9139	0.9119	0.9159
5-14 years.....	0.9761	0.9768	0.9753	0.9740	0.9750	0.9730	0.9410	0.9402	0.9418
5-9 years.....	0.9649	0.9655	0.9642	0.9657	0.9665	0.9649	0.9241	0.9230	0.9252
10-14 years.....	0.9882	0.9891	0.9873	0.9830	0.9841	0.9818	0.9591	0.9586	0.9595
15-24 years.....	1.0081	1.0088	1.0073	1.0032	1.0053	1.0010	0.9789	0.9723	0.9855
15-19 years.....	1.0166	1.0198	1.0133	1.0094	1.0128	1.0059	0.9988	1.0016	0.9959
20-24 years.....	1.0002	0.9987	1.0017	0.9975	0.9985	0.9966	0.9593	0.9432	0.9753
25-34 years.....	0.9639	0.9463	0.9821	0.9614	0.9480	0.9755	0.9126	0.8666	0.9580
25-29 years.....	0.9591	0.9439	0.9748	0.9558	0.9441	0.9681	0.9123	0.8732	0.9510
30-34 years.....	0.9687	0.9487	0.9892	0.9669	0.9518	0.9828	0.9129	0.8599	0.9651
35-44 years.....	0.9842	0.9689	0.9996	0.9816	0.9700	0.9935	0.9350	0.8867	0.9810
35-39 years.....	0.9790	0.9628	0.9954	0.9764	0.9643	0.9888	0.9303	0.8808	0.9778
40-44 years.....	0.9901	0.9758	1.0044	0.9875	0.9764	0.9988	0.9410	0.8943	0.9850
45-54 years.....	0.9780	0.9628	0.9929	0.9772	0.9649	0.9894	0.9322	0.8805	0.9799
45-49 years.....	0.9775	0.9633	0.9916	0.9762	0.9648	0.9877	0.9302	0.8807	0.9762
50-54 years.....	0.9785	0.9623	0.9944	0.9784	0.9651	0.9914	0.9346	0.8802	0.9844
55-64 years.....	0.9824	0.9640	0.9995	0.9828	0.9684	0.9962	0.9545	0.8875	1.0138

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table Q. Ratio of census-level resident population to resident population adjusted for estimated net census undercount by age, sex, and race: April 1, 1990

Age	All races			White			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
55-59 years .....	0.9794	0.9609	0.9968	0.9801	0.9656	0.9941	0.9426	0.8790	0.9999
60-64 years .....	0.9854	0.9671	0.1002	0.9853	0.9712	0.9982	0.9675	0.8969	1.0287
65-74 years .....	0.9960	0.9784	1.0101	0.9935	0.9781	1.0060	1.0211	0.9704	1.0596
65-69 years .....	0.9980	0.9776	1.0152	0.9943	0.9762	1.0096	1.0336	0.9786	1.0773
70-74 years .....	0.9934	0.9795	1.0040	0.9926	0.9807	1.0017	1.0049	0.9589	1.0376
75-84 years .....	1.0021	1.0046	1.0006	1.0038	1.0066	1.0021	0.9971	0.9913	1.0004
75-79 years .....	1.0082	1.0064	1.0094	1.0077	1.0065	1.0085	1.0258	1.0126	1.0337
80-84 years .....	0.9927	1.0015	0.9881	0.9978	1.0068	0.9931	0.9524	0.9547	0.9512
85 years and over .....	0.9411	0.9592	0.9342	0.9512	0.9696	0.9444	0.8503	0.8827	0.8373

SOURCE: Unpublished data from the U.S. Bureau of the Census.

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table R. Age-adjusted death rates for selected causes by race and sex, unadjusted and adjusted for estimated net census undercount: United States, 1990

[Based on age-specific death rates per 100,000 population in specified group. Age-adjusted death rates per 100,000 U.S. standard population. Numbers after causes of deaths are numbers of the Ninth Revision, International Classification of Diseases, 1975. Beginning 1987 includes category numbers \*042-\*044. See section "Cause of death"]

Race, sex, and adjustment for net census undercount	All causes	Human immunodeficiency virus infection (*042-*044)	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	Diabetes mellitus (250)	Diseases of heart (390-398,402, 404-429)	Cerebrovascular diseases (430-438)	Homicide and legal intervention (E960-E978)
All races							
Both sexes:							
Unadjusted .....	520.2	9.8	135.0	11.7	152.0	27.7	10.2
Adjusted.....	512.7	9.6	133.3	11.5	149.9	27.3	10.1
Male:							
Unadjusted .....	680.2	17.7	166.3	12.3	206.7	30.2	16.3
Adjusted.....	664.3	17.0	162.4	12.1	202.1	29.6	15.9
Female:							
Unadjusted .....	390.6	2.1	112.7	11.1	108.9	25.7	4.2
Adjusted.....	387.9	2.1	112.6	11.0	107.9	25.4	4.2
White							
Both sexes:							
Unadjusted .....	492.8	8.0	131.5	10.4	146.9	25.5	5.9
Adjusted.....	485.9	7.8	129.9	10.2	145.0	25.2	5.7
Male:							
Unadjusted .....	644.3	15.0	160.3	11.3	202.0	27.7	8.9
Adjusted.....	631.0	14.4	156.9	11.1	198.2	27.3	8.7
Female:							
Unadjusted .....	369.9	1.1	111.2	9.5	103.1	23.8	2.8
Adjusted.....	367.0	1.0	110.8	9.5	102.2	23.5	2.7
Black							
Both sexes:							
Unadjusted .....	789.2	25.7	182.0	24.8	213.5	48.4	39.5
Adjusted.....	760.0	23.9	177.0	24.1	207.2	46.9	37.4
Male:							
Unadjusted .....	1,061.3	44.2	248.1	23.6	275.9	56.1	68.7
Adjusted.....	980.8	39.0	230.9	21.9	256.7	52.3	62.9
Female:							
Unadjusted .....	581.6	9.9	137.2	25.4	168.1	42.7	13.0
Adjusted.....	579.4	9.7	138.4	25.7	168.2	42.7	12.7

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table S. Lower and upper 95% and 96% confidence limit factors for a death rate based on a Poisson variable of 1 through 99 deaths,  $D$  or  $D_{adj}$

$D$ or $D_{adj}$	$L(1-\alpha = .95, D)$	$U(1-\alpha = .95, D)$	$L(1-\alpha = .96, D)$ or $L(1-\alpha = .96, D_{adj})$	$U(1-\alpha = .96, D)$ or $U(1-\alpha = .96, D_{adj})$
1	0.02532	5.57164	0.02020	5.83392
2	0.12110	3.61234	0.10735	3.75830
3	0.20622	2.92242	0.18907	3.02804
4	0.27247	2.56040	0.25406	2.64510
5	0.32470	2.33367	0.30591	2.40540
6	0.36698	2.17658	0.34819	2.23940
7	0.40205	2.06038	0.38344	2.11666
8	0.43173	1.97040	0.41339	2.02164
9	0.45726	1.89831	0.43923	1.94553
10	0.47954	1.83904	0.46183	1.88297
11	0.49920	1.78928	0.48182	1.83047
12	0.51671	1.74680	0.49966	1.78566
13	0.53246	1.71003	0.51571	1.74688
14	0.54671	1.67783	0.53027	1.71292
15	0.55969	1.64935	0.54354	1.68289
16	0.57159	1.62394	0.55571	1.65610
17	0.58254	1.60110	0.56692	1.63203
18	0.59266	1.58043	0.57730	1.61024
19	0.60207	1.56162	0.58695	1.59042
20	0.61083	1.54442	0.59594	1.57230
21	0.61902	1.52861	0.60435	1.55563
22	0.62669	1.51401	0.61224	1.54026
23	0.63391	1.50049	0.61966	1.52602
24	0.64072	1.48792	0.62666	1.51278
25	0.64715	1.47620	0.63328	1.50043
26	0.65323	1.46523	0.63954	1.48888

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table S. Lower and upper 95% and 96% confidence limit factors for a death rate based on a Poisson variable of 1 through 99 deaths,  $D$  or  $D_{adj}$

$D$ or $D_{adj}$	$L(1 - \alpha = .95, D)$	$U(1 - \alpha = .95, D)$	$L(1 - \alpha = .96, D)$ or $L(1 - \alpha = .96, D_{adj})$	$U(1 - \alpha = .96, D)$ or $U(1 - \alpha = .96, D_{adj})$
27	0.65901	1.45495	0.64549	1.47805
28	0.66449	1.44528	0.65114	1.46787
29	0.66972	1.43617	0.65652	1.45827
30	0.67470	1.42756	0.66166	1.44922
31	0.67945	1.41942	0.66656	1.44064
32	0.68400	1.41170	0.67125	1.43252
33	0.68835	1.40437	0.67575	1.42480
34	0.69253	1.39740	0.68005	1.41746
35	0.69654	1.39076	0.68419	1.41047
36	0.70039	1.38442	0.68817	1.40380
37	0.70409	1.37837	0.69199	1.39743
38	0.70766	1.37258	0.69568	1.39134
39	0.71110	1.36703	0.69923	1.38550
40	0.71441	1.36172	0.70266	1.37991
41	0.71762	1.35661	0.70597	1.37454
42	0.72071	1.35171	0.70917	1.36938
43	0.72370	1.34699	0.71227	1.36442
44	0.72660	1.34245	0.71526	1.35964
45	0.72941	1.33808	0.71816	1.35504
46	0.73213	1.33386	0.72098	1.35060
47	0.73476	1.32979	0.72370	1.34632
48	0.73732	1.32585	0.72635	1.34218
49	0.73981	1.32205	0.72892	1.33818
50	0.74222	1.31838	0.73142	1.33431
51	0.74457	1.31482	0.73385	1.33057
52	0.74685	1.31137	0.73621	1.32694



**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table S. Lower and upper 95% and 96% confidence limit factors for a death rate based on a Poisson variable of 1 through 99 deaths,  $D$  or  $D_{adj}$

$D$ or $D_{adj}$	$L(1-\alpha = .95, D)$	$U(1-\alpha = .95, D)$	$L(1-\alpha = .96, D)$ or $L(1-\alpha = .96, D_{adj})$	$U(1-\alpha = .96, D)$ or $U(1-\alpha = .96, D_{adj})$
53	0.74907	1.30802	0.73851	1.32342
54	0.75123	1.30478	0.74075	1.32002
55	0.75334	1.30164	0.74293	1.31671
56	0.75539	1.29858	0.74506	1.31349
57	0.75739	1.29562	0.74713	1.31037
58	0.75934	1.29273	0.74916	1.30734
59	0.76125	1.28993	0.75113	1.30439
60	0.76311	1.28720	0.75306	1.30152
61	0.76492	1.28454	0.75494	1.29873
62	0.76669	1.28195	0.75678	1.29601
63	0.76843	1.27943	0.75857	1.29336
64	0.77012	1.27698	0.76033	1.29077
65	0.77178	1.27458	0.76205	1.28826
66	0.77340	1.27225	0.76373	1.28580
67	0.77499	1.26996	0.76537	1.28340
68	0.77654	1.26774	0.76698	1.28106
69	0.77806	1.26556	0.76856	1.27877
70	0.77955	1.26344	0.77011	1.27654
71	0.78101	1.26136	0.77162	1.27436
72	0.78244	1.25933	0.77310	1.27223
73	0.78384	1.25735	0.77456	1.27014
74	0.78522	1.25541	0.77598	1.26810
75	0.78656	1.25351	0.77738	1.26610
76	0.78789	1.25165	0.77876	1.26415
77	0.78918	1.24983	0.78010	1.26223
78	0.79046	1.24805	0.78143	1.26036

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

Table S. Lower and upper 95% and 96% confidence limit factors for a death rate based on a Poisson variable of 1 through 99 deaths,  $D$  or  $D_{adj}$

$D$ or $D_{adj}$	$L(1-\alpha = .95, D)$	$U(1-\alpha = .95, D)$	$L(1-\alpha = .96, D)$ or $L(1-\alpha = .96, D_{adj})$	$U(1-\alpha = .96, D)$ or $U(1-\alpha = .96, D_{adj})$
79	0.79171	1.24630	0.78272	1.25852
80	0.79294	1.24459	0.78400	1.25672
81	0.79414	1.24291	0.78525	1.25496
82	0.79533	1.24126	0.78648	1.25323
83	0.79649	1.23965	0.78769	1.25153
84	0.79764	1.23807	0.78888	1.24987
85	0.79876	1.23652	0.79005	1.24824
86	0.79987	1.23499	0.79120	1.24664
87	0.80096	1.23350	0.79233	1.24507
88	0.80203	1.23203	0.79344	1.24352
89	0.80308	1.23059	0.79453	1.24201
90	0.80412	1.22917	0.79561	1.24052
91	0.80514	1.22778	0.79667	1.23906
92	0.80614	1.22641	0.79771	1.23762
93	0.80713	1.22507	0.79874	1.23621
94	0.80810	1.22375	0.79975	1.23482
95	0.80906	1.22245	0.80074	1.23345
96	0.81000	1.22117	0.80172	1.23211
97	0.81093	1.21992	0.80269	1.23079
98	0.81185	1.21868	0.80364	1.22949
99	0.81275	1.21746	0.80458	1.22822

NOTE: Table S was generated using the SAS<sup>®</sup> code below. Users can compute other level Confidence Intervals by changing the alpha-value. Table S is a modified version of Table 40 (80).

**VITAL STATISTICS OF THE UNITED STATES: MORTALITY, 1999**  
**TECHNICAL APPENDIX**

```
* Program to compute confidence intervals for expectations of Poisson variables ;
* Specify alpha for alpha*100% Confidence Interval ;

%let alpha = .95;

data CI ;

    alo = (1-&alpha)/2 ;
    ahi = (&alpha+1)/2 ;

do n = 1 to 99;

    L = Gaminv ( alo,n )/n ;
    U = Gaminv (ahi,n+1)/n ;

output;
end;

proc print data= CI;
    var n L U ;
run;
```