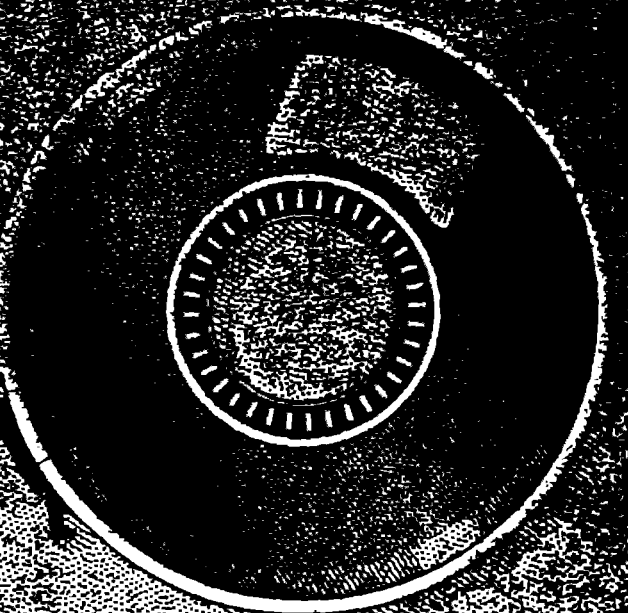
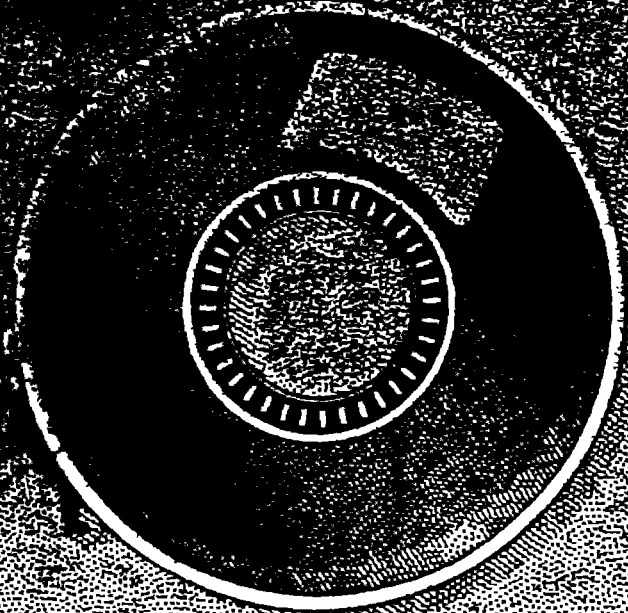
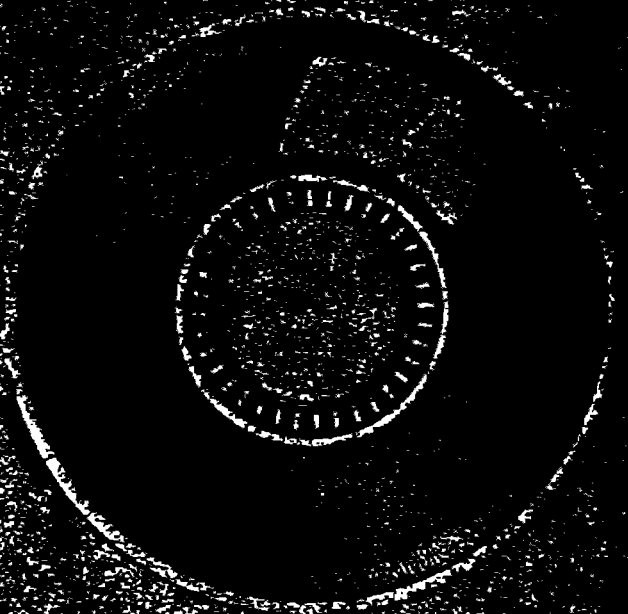
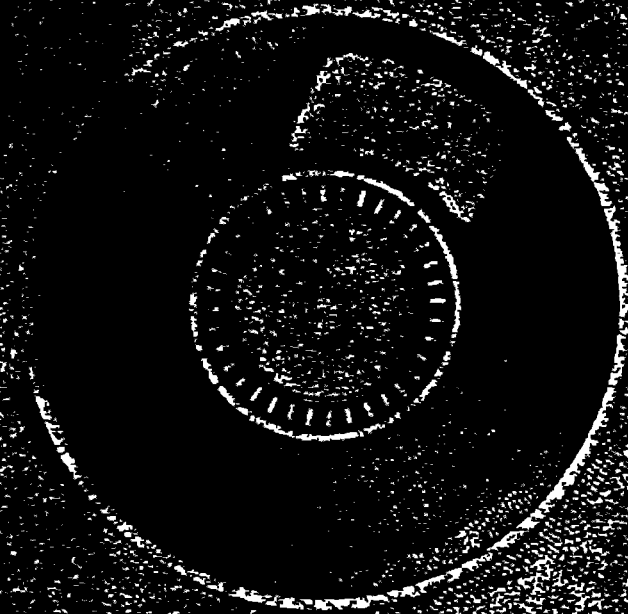


Public Use Data Tape Documentation

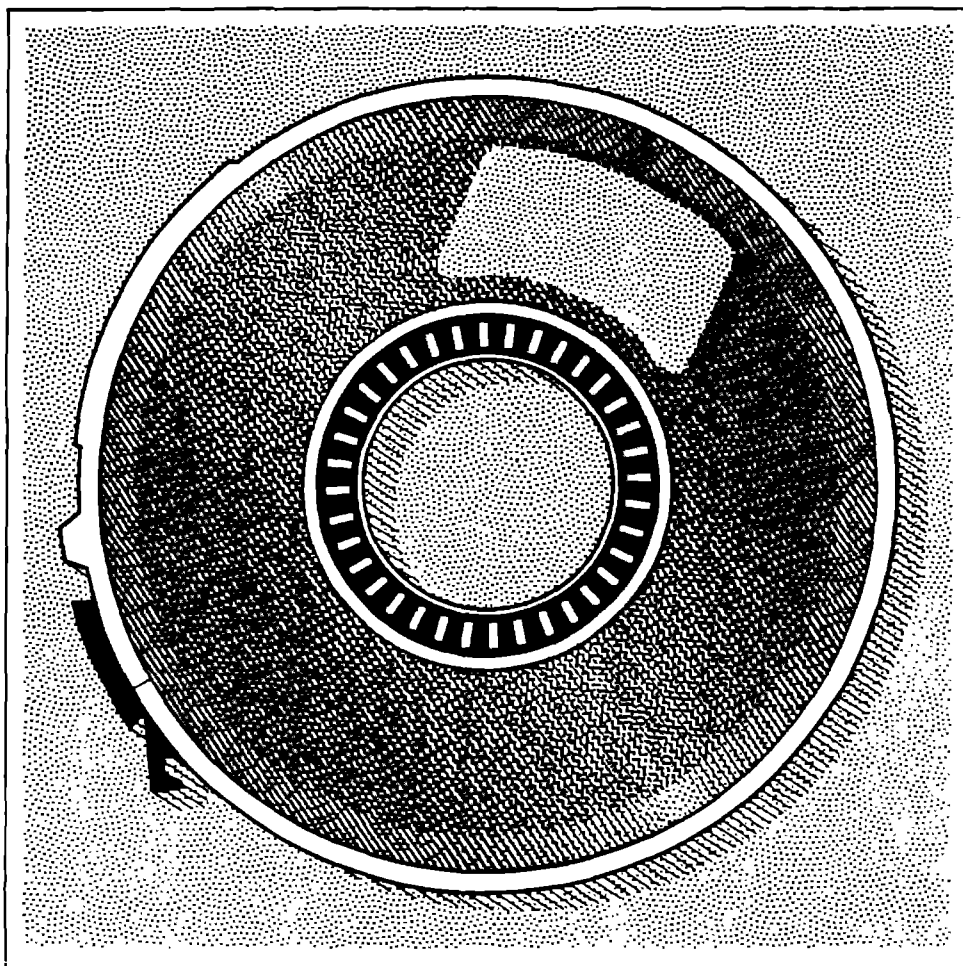


ADDENDUM
Public Use Data Tape Documentation
Multiple Cause of Death for ICD-9 1981 Data

On pages 1 and 2 of the documentation for the above public use data tape, a description is provided of the special systematic sampling procedure that was used by the National Center for Health Statistics in coding 1981 multiple cause of death data from 19 of the 52 death registration areas included on the tape (see Appendix A). Since multiple cause data were coded on a 50 percent sample plan for deaths occurring in these 19 registration areas, all statistics estimated on the basis of data from these areas will be subject to sampling errors. A sampling error is a measure of variations that occur by chance between sample estimates and the actual quantity being estimated. For further information on the calculation of sampling errors for statistics based on these data, tape users may contact Dr. James Weed (301-436-8952) or Dr. Harry Rosenberg (301-436-8884), Division of Vital Statistics, National Center for Health Statistics, Center Building Room 1-44, 3700 East-West Highway, Hyattsville, Maryland 20782.

Public Use Data Tape Documentation

Multiple Cause of Death
for ICD-9 1981 Data



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
National Center for Health Statistics

Hyattsville, Maryland
August 1984

1981
MULTIPLE CAUSE OF DEATH
TAPE CONTENT CHANGES

SPECIAL NOTICE

CAUTION

CAUTION

CAUTION

Multiple cause data for 1981 were coded on a 50 percent sample basis for deaths occurring in selected States. More specific information can be found on the pages that follow.

EXTRA SPECIAL NOTICE

This file cannot be used to tabulate underlying cause-of-death data that will compare to NCHS published data.

Table of Contents

Section	Text	Page
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Appendixes

- A. State Codes used in NCHS/DVS.
- B. Standard Metropolitan Statistical Areas established in 1980.
- C. Control Total Tables 1-13.
- D. Titles and Recodes for the 282, 72, 61, and 34 Cause-of-Death Lists.
- E. Technical Appendix for 1979 along with the 1981 addendum.

Symbols Used In Tables

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

DOCUMENTATION OF MULTIPLE CAUSE-OF-DEATH
PUBLIC USE TAPE FILE FOR 1981 DATA

I. Introduction

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

With the exception of calendar years 1972 and 1981, all deaths occurring annually in the United States are processed. In 1972, underlying and multiple cause data were coded and processed for only 50 percent of the deaths occurring in each State. In 1981, multiple cause data were coded on a 50 percent sample basis for deaths occurring in 19 registration areas¹ (see Appendix A for list). For the remaining 33 registration areas, multiple cause data were processed on a 100 percent basis. In 1981, underlying cause, demographic, and geographic data were processed for every death occurring in every State however the multiple cause-of-death public use tape contains only those records where the multiple cause field is also coded.²

This document is intended to provide guidance to the consumer in accessing and utilizing the multiple cause-of-death public use tape file for 1981. It provides the technical data processing information necessary to access the tapes and the classification structure and coding rules applied to create each variable on the file such that the user can readily assess relevance at varying levels of detail to his/her own particular research. Additionally, it conveys the characteristics of the multiple cause files sufficient to guide the user in analyzing and interpreting multiple cause data. The user is alerted to certain pitfalls of interpretation, and the appropriateness of each type of multiple cause data to given applications is discussed. Control totals are also provided for comparison with user generated counts for 1981 data.

¹ Registration areas are defined as the 50 States, New York City, and the District of Columbia.

² A public use tape containing underlying cause, demographic, and geographic data for every death in the United States is available but contains no multiple cause data.

II. Data File Characteristics

The multiple cause-of-death public use data tape contains a data record for each of the deaths occurring in the 33 registration areas cited above. For the remaining 19 registration areas, the tape contains records for only those deaths that were multiple cause coded (i.e., 50 percent of each State's file). Instead of weighting these sample records, each has been written twice on the data tape. Thus, in terms of processing, the existence of a sample should be transparent to the user of the tape. The user is cautioned however, that underlying cause, demographic, and geographic totals from this tape will vary from that based on the underlying cause public use tape when data from one of the 19 registration areas is processed. To illustrate, Table 1 provides two columns of underlying cause-of-death counts by International Classification of Diseases (ICD) category. One column is based on the underlying cause-of-death field from the underlying cause-of-death public use file. The other is based on the same field from the multiple cause-of-death public use tape. Differences are also tabulated and indicate the extent to which the multiple cause sample over or underestimates underlying cause counts. Overall, the difference is only eight records. Similar comparisons may be made on other items contained in the underlying cause-of-death tape by comparing the control total tables contained in that tape's documentation with tables contained in this documentation.

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

Specifications for the 1981 tape file are as follows:

File Organization:	One file, multiple reels
Record Type:	Fixed length
Record Length:	440
Blocksize:	26400
Data Counts:	a. Occurrence: 1,981,317
	b. Residents of the U.S.: 1,978,032
	c. Nonresidents of the U.S.: 3,285

1. The data year was processed using the PL/1 language on an IBM 370/158.
2. The last block for the data year may be a short block.
3. The data are recorded in IBM/EBCDIC 8-bit code for each character.

4. Codes may be numeric, alphabetic, or blank (Hex 40).
5. A code "Z" is the EBCDIC code for the letter "Z".
6. A code "&" is the EBCDIC code for an ampersand (a punched card code 12).

III. Tape Format and Variable Definition

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

- A. Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, Ninth Revision (ICD-9) Volumes 1 and 2.
- B. NCCHS Instruction Manual Data Preparation Part 2a, Vital Statistics Instructions for Classifying the Underlying Cause of Death, 1981.
- C. NCCHS Instruction Manual Data Preparation, Part 2b, Vital Statistics Instructions for Classifying Multiple Causes of Death, 1981.
- D. NCCHS Instruction Manual Data Preparation, Part 2C, Vital Statistics ICD-9 ACME Decision Tables for Classifying Underlying Causes of Death, 1981.
- E. NCCHS Instruction Manual Data Preparation, Part 2d, Vital Statistics NCCHS Procedures for Mortality Medical Data System File Preparation and Maintenance, Effective 1979.
- F. NCCHS Instruction Manual Data Tabulation, Part 2f, Vital Statistics ICD-9 TRANSAX Disease Reference Tables for Classifying Multiple Causes of Death, 1981
- G. NCCHS Instruction Manual Data Preparation, Part 4, Vital Statistics Demographic Classification and Coding Instructions for Death Records, 1981.
- H. NCCHS Instruction Manual Tabulation, Part 11, Vital Statistics Computer Edits for Mortality Data, Effective 1979.

These documents describe in detail the rules employed for demographic and medical classification on death records. Volumes 1 and 2 of the ICD-9 may be purchased from WHO publications Centre USA, 49 Sheridan Avenue, Albany, New York, 12210. The remaining documents (Items B-H), while not absolutely essential

to the proper interpretation of the data for a number of general applications, should nevertheless be studied carefully prior to any detailed analysis of demographic or medical data variables. In particular, there are a number of exceptions to the ICD rules in multiple cause-of-death coding which, if not treated properly, may result in faulty analysis of the data. Users who do not already have access to these documents may request them from the Chief, Data Preparation Branch, Division of Data Processing, National Center for Health Statistics, P. O. Box 12214, Research Triangle Park, North Carolina 27709.

In addition, the user should refer to the Technical Appendices of the Vital Statistics of the United States for information on the source of data, coding procedures, quality of the data, etc. Technical Appendix information is enclosed.

IV. Multiple Cause Data

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

Unfortunately, the set of multiple cause codes produced by entity coding is not conducive to a third objective -- the generation of person based multiple cause statistics. Person based analysis requires that each condition be coded within the context of every other condition on the same certificate and modified or linked to such conditions as provided by ICD-9. By definition, the entity data cannot meet this requirement since the linkage provisions distort the character and placement of the information originally recorded by the certifying physician.

Since the two objectives are incompatible, DVS has chosen to create from the original set of entity codes a new code set called record axis multiple cause data. Essentially, the axis of classification has been converted from 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. The translation is accomplished by a computer system called TRANSAX (TRANSLATION OF AXIS) through selective use of traditional linkage and modification rules for mortality coding. Underlying cause linkages which simply prefer one code over another for purposes

of underlying cause selection are not included. Each entity code on the record is examined and modified or deleted as necessary to create a set of codes which are free of contradictions and are the most precise within the constraints of ICD-9 and medical information on the record. Repetitive codes are deleted. The process may (1) combine two entity axis categories together to a new category thereby eliminating a contradiction or standardizing the data; or (2) eliminate one category in favor of another to promote specificity of the data or resolve contradictions. The following examples from ICD-9 illustrate the effect of this translation:

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

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

A. Entity Axis Codes

The original conditions coded for selection of the underlying cause-of-death are reformatted and edited prior to creating the public use tape. The following paragraphs describe the format and application of entity axis data.

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

1. line indicator: The first byte represents the line of the certificate on which the code appears. Six lines (1-6) are allowable with the fourth and fifth denoting one or two written in "due to"s beyond the three lines provided in Part I of the U.S. standard death certificate. Line "6" represents Part II of the certificate.

2. position indicator: The next byte indicates the position of the code on the line, i.e., it is the first (1), second (2), --- eighth (8) code on the line.
3. cause category: The next four bytes represent the ICD-9 cause code.
4. nature of injury flag: ICD-9 uses the same series of numbers (800-999) to indicate nature of injury (N codes) and external cause codes (E codes). This flag distinguishes between the two with a one (1) representing nature of injury codes and a zero (0) representing all other cause codes.

A maximum of 20 of these seven byte codes is captured on a record for multiple cause purposes. This may consist of a maximum of 8 codes on any given line with up to 20 codes distributed across three or more lines depending on where the subject conditions are located on the certificate. Codes may be omitted from one or more lines, e.g., line 1 with one or more codes, line 2 with no codes, line 3 with one or more codes.

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

Edit: The original conditions are edited to remove invalid codes, reverify the coding of certain rare causes of death, and assure age/cause and sex/cause compatibility. Detailed information relating to the edit criteria and the sets of cause codes which are valid to underlying cause coding and multiple cause coding are provided in Part 11 of the NCHS Vital Statistics Instruction Manual Series. Table 2, Number of Resident Deaths Tabulated by Mention of an Underlying Cause, Record Axis Multiple Cause, or Entity Axis Multiple Cause-of-Death by ICD-9 Category, provides a summary list of valid underlying cause and multiple cause codes.

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

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

By definition, the main limitation of entity axis data is that an entity code does not necessarily reflect the best code for a condition when considered within the context of the medical certification as a whole. As a result certain entity codes can be misleading or even contradict other codes in the record. For example, category 5750 is titled "Acute cholecystitis without mention of calculus". Within the framework of entity codes this is interpreted to mean that the codable entity itself contained no mention of calculus rather than that calculus was not mentioned anywhere on the record. Tabulation of records with a "5750" as a count of persons having acute cholecystitis without mention of calculus would therefore be erroneous. This illustrates the fact that under entity coding the ICD-9 titles cannot be taken literally. The user must study the rules for entity coding as they relate to his/her research prior to utilization of entity data. The user is further cautioned that the inclusion notes in ICD-9 which relate to modifying and combining categories are seldom applicable to entity coding (except where provided in Part 2b of the Vital Statistics Instruction Manual Series).

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

B. Record Axis Codes

The following paragraphs describe the format and application of record-axis data. Part 2f of the Vital Statistics Instruction Manual Series describes the TRANSAX process for creating record axis data from entity axis data.

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

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

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

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

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

RECORD AXIS APPLICATIONS: The record axis multiple cause data set is the basis for NCHS core multiple cause tabulations. Location of codes is not relevant to this data set and conditions have been linked into the most meaningful categories for the certification. The most immediate consequence for the user is that the codes on the record already represent mention of a disease assignable to that particular ICD-9 category. This is in contrast to the entity code which is assigned each time such a disease is reported on two different lines of the certification. Secondly, the linkage implies that within the constraints of ICD-9 the most meaningful code has been assigned. The translation process creates for the user a data set which is edited for contradictions, duplicate codes, and imprecisions. In contrast to entity axis data, record axis data are classified in a manner comparable to underlying cause of death classification thereby facilitating joint analysis of these variables. Likewise, they are comparable to general morbidity coding where the linkage provisions of ICD-9 are usually utilized. A potential disadvantage of record axis data is that some detail is sacrificed in a number of the linkages.

The user can take the record axis codes as literally representing the information conveyed in ICD-9 category titles. While knowledge of the rules for combining and linking and coding conditions is useful, it is not a prerequisite to meaningful analysis of the data as long as one is willing to accept the assumptions of the axis translation process. The user is cautioned, however, that due to special rules in mortality coding, not all linkage notes in ICD-9 are utilized. (See Part 2f of the Vital Statistics Instruction Manual Series.)

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

V. Additional Information

In using the NCHS multiple cause data tapes, the user is urged to review the information in this document and its references. The instructional material does change from year to year and revision to revision. The user is cautioned that coding of specific ICD-9 categories should be checked in the appropriate instruction manual. What may appear on the surface to be the correct code by ICD-9 may in fact not be correct as given in the instruction manuals.

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

Several basic tabulations of data from selected variables contained on this tape have been produced and are included with this document as an aid to the user in determining if his own tabulations are correct. For verification of multiple cause-of-death data at the "each cause" level of detail, Table 2 provides counts of the number of deaths on which a given ICD-9 category is mentioned as the underlying cause of death, a record axis multiple cause-of-death, and an entity axis multiple cause-of-death, respectively. The counts for the record axis multiple cause-of-death field are divided into two distinct subtotals: (1) "total mention" and (2) "secondary". Secondary is defined as any code which is present in the record axis field but is not the underlying cause-of-death. Tables 3-10 provide additional control totals for the three cause-of-death fields by age, race, and sex. Tables 11-13 ignore cause-of-death and provide control totals based on age, race, sex, State of residence, State of occurrence, and month. Tables 2-12 are based on resident deaths in the United States (excludes deaths to non-residents). Table 13 is based upon deaths occurring in the United States (includes deaths to foreign residents).

Where further assistance is needed, Donna G. Patten, Statistician, Technical Services Branch, Division of Vital Statistics, NCHS, Room 116, P. O. Box 12214, Research Triangle Park, North Carolina 27709, Telephone FTS 629-4558, Commercial (919) 541-4558 may be contacted.

1981
MULTIPLE CAUSE-OF-DEATH RECORD

<u>Data Items</u>	<u>Tape Locations</u>
1. <u>General</u>	
a. Data year	1-2
b. Reporting area	3
c. Record type	19
d. Resident status	20
e. Date of death	55-58
2. <u>Occurrence</u>	
a. State	21-22
b. County	23-25
c. Region	26
d. Division	27
3. <u>Residence</u>	
a. State	31-32
b. County	33-35
c. City	36-38
d. Population size	39
e. Met/Nonmet county	40
f. Region	41
g. Division	42
h. SMSA	46-48
4. <u>The Decedent</u>	
a. Sex	59
b. Race	60-63
c. Age	64-74
d. Marital status	77
e. State of birth	78-79
5. <u>Underlying Cause</u>	
a. ICD-9 code	142-145
b. 282 cause recode	146-150
c. 72 cause recode	151-153
d. 61 cause recode	154-156
e. 34 cause recode	157-159
f. Autopsy performed	84
g. Place of accident	141

1981
MULTIPLE CAUSE-OF-DEATH RECORD

<u>Data Items</u>	<u>Tape Locations</u>
6. <u>Multiple Conditions</u>	
a. <u>Entity-Axis conditions</u>	
1. Number of	160-161
2. The conditions	162-301
b. <u>Parenthetical conditions</u>	
1. Number of	302
2. The conditions	303-337
c. <u>Record-Axis conditions</u>	
1. Number of	338-339
2. The conditions	341-440

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
1-2	2	<u>Last 2 Digits of Current Data Year</u> 81 ... 1981
3	1	<u>Reporting Area</u> The following codes used with the State of Occurrence codes, locations 21-22, identify separate reporting areas. 1 ... Bronx Borough 2 ... Brooklyn Borough 3 ... Manhattan Borough 4 ... Queens Borough 5 ... Richmond Borough 6 ... Chicago 0 ... All other Areas
4-9	6	<u>Certificate Number</u> These positions are blank
10-11	2	<u>Shipment Number</u> 01-nn ... Shipments from each reporting area are numbered consecutively.
12-18	7	<u>Sequence Number</u> These positions are blank
19	1	<u>Record Type</u> 1 ... RESIDENTS State and County of Occurrence and Residence are the same. 2 ... NONRESIDENTS State and/or County of Occurrence and Residence are different

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
20	1	<u>Resident Status</u> 1 ... RESIDENTS State and County of Occurrence and Residence are the same. 2 ... INTRASTATE NONRESIDENTS State of Occurrence and Residence are the same, but County is different. 3 ... INTERSTATE NONRESIDENTS State of Occurrence and Residence are different, but both are in the U.S. 4 ... FOREIGN RESIDENTS State of Occurrence is one of the 50 States or the District of Columbia, but Place of Residence is outside of the U.S.
21-30	10	<u>PLACE OF OCCURRENCE</u> Refer to the "Geographic code Manual: Codes used in computer processing effective with 1970 data" for a complete list of areas and codes.
21-22	2	<u>State</u> 01-51 ... Each State and the District of Columbia are numbered alphabetically. Appendix A gives a complete list of State names and codes.
23-25	3	<u>County</u> 001-nnn ... Counties and County equivalents are numbered alphabetically within each State. Virginia independent cities are numbered alphabetically following Virginia counties.
26	1	<u>Region</u> 1 ... Northeast 2 ... North Central 3 ... South 4 ... West

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline										
27-28	2	<u>Division and State Subcode of Occurrence</u> States are coded within Division. The code structure is designed to sequence the States as they appear in NCHS Publications. Location 27 identifies the Division and location 28 identifies States within that Division. <table><thead><tr><th>Loc. <u>27</u></th><th>Loc. <u>28</u></th></tr></thead><tbody><tr><td><u>1 ...</u></td><td><u>New England</u> 1 ... Maine 2 ... New Hampshire 3 ... Vermont 4 ... Massachusetts 5 ... Rhode Island 6 ... Connecticut</td></tr><tr><td><u>2 ...</u></td><td><u>Middle Atlantic</u> 1 ... New York 2 ... New Jersey 3 ... Pennsylvania</td></tr><tr><td><u>3 ...</u></td><td><u>East North Central</u> 1 ... Ohio 2 ... Indiana 3 ... Illinois 4 ... Michigan 5 ... Wisconsin</td></tr><tr><td><u>4 ...</u></td><td><u>West North Central</u> 1 ... Minnesota 2 ... Iowa 3 ... Missouri 4 ... North Dakota 5 ... South Dakota 6 ... Nebraska 7 ... Kansas</td></tr></tbody></table>	Loc. <u>27</u>	Loc. <u>28</u>	<u>1 ...</u>	<u>New England</u> 1 ... Maine 2 ... New Hampshire 3 ... Vermont 4 ... Massachusetts 5 ... Rhode Island 6 ... Connecticut	<u>2 ...</u>	<u>Middle Atlantic</u> 1 ... New York 2 ... New Jersey 3 ... Pennsylvania	<u>3 ...</u>	<u>East North Central</u> 1 ... Ohio 2 ... Indiana 3 ... Illinois 4 ... Michigan 5 ... Wisconsin	<u>4 ...</u>	<u>West North Central</u> 1 ... Minnesota 2 ... Iowa 3 ... Missouri 4 ... North Dakota 5 ... South Dakota 6 ... Nebraska 7 ... Kansas
Loc. <u>27</u>	Loc. <u>28</u>											
<u>1 ...</u>	<u>New England</u> 1 ... Maine 2 ... New Hampshire 3 ... Vermont 4 ... Massachusetts 5 ... Rhode Island 6 ... Connecticut											
<u>2 ...</u>	<u>Middle Atlantic</u> 1 ... New York 2 ... New Jersey 3 ... Pennsylvania											
<u>3 ...</u>	<u>East North Central</u> 1 ... Ohio 2 ... Indiana 3 ... Illinois 4 ... Michigan 5 ... Wisconsin											
<u>4 ...</u>	<u>West North Central</u> 1 ... Minnesota 2 ... Iowa 3 ... Missouri 4 ... North Dakota 5 ... South Dakota 6 ... Nebraska 7 ... Kansas											

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
27-28	2	<u>Division and State Subcode of Occurrence (Cont'd)</u>
		<u>Loc. 27</u> <u>Loc. 28</u>
		<u>5 ...</u> <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
		<u>6 ...</u> <u>East South Central</u>
		1 ... Kentucky
		2 ... Tennessee
		3 ... Alabama
		4 ... Mississippi
		<u>7 ...</u> <u>West South Central</u>
		1 ... Arkansas
		2 ... Louisiana
		3 ... Oklahoma
		4 ... Texas
		<u>8 ...</u> <u>Mountain</u>
		1 ... Montana
		2 ... Idaho
		3 ... Wyoming
		4 ... Colorado
		5 ... New Mexico
		6 ... Arizona
		7 ... Utah
		8 ... Nevada
		<u>9 ...</u> <u>Pacific</u>
		1 ... Washington
		2 ... Oregon
		3 ... California
		4 ... Alaska
		5 ... Hawaii

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
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. Appendix A gives a complete list of names and expanded codes. 01-52 ... Code range
31-48	18	<u>PLACE OF RESIDENCE</u> Refer to the "Geographic Code Manual: Codes used in computer processing effective with 1970 data" for a complete list of areas and codes.
31-32	2	<u>State</u> 01-51 ... Each State and the District of Columbia are numbered alphabetically. Appendix A gives a complete list of State names and codes. <u>Foreign Residents</u> 52 ... Puerto Rico 53 ... Virgin Islands 54 ... Guam 55 ... Canada 56 ... Cuba 57 ... Mexico 59 ... Remainder of the World
33-35	3	<u>County</u> 001-nnn ... Counties and County equivalents are numbered alphabetically within each State. Virginia independent cities are numbered alphabetically following Virginia counties. ZZZ ... Foreign Residents
36-38	3	<u>City</u> 001-nnn ... Cities are numbered alphabetically within each State and identify each city with a population of 100,000 or more in 1970. 999 ... Balance of County ZZZ ... Foreign Residents

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
39	1	<u>Population Size of City of Residence</u> 0 ... 1,000,000 or more 1 ... 500,000 to 1,000,000 2 ... 250,000 to 500,000 3 ... 100,000 to 250,000 4 ... 50,000 to 100,000 5 ... 25,000 to 50,000 6 ... 10,000 to 25,000 9 ... All other areas in the U.S. Z ... Foreign Residents
40	1	<u>Metropolitan - Nonmetropolitan County of Residence</u> 1 ... Metropolitan County 2 ... Nonmetropolitan County Z ... Foreign Residents
41	1	<u>Region</u> 0 ... Foreign Residents 1 ... Northeast 2 ... North Central 3 ... South 4 ... West

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline																																																				
42-43	2	<p><u>Division and State Subcode of Residence</u></p> <p>States are coded within Division. The code structure is designed to sequence the States as they appear in NCHS Publications.</p> <p>Location 42 identifies the Division and Location 43 identifies States within that Division.</p> <p>00 ... Foreign Residents</p> <table><thead><tr><th>Loc. 42</th><th>Loc. 43</th></tr></thead><tbody><tr><td><u>1 ...</u></td><td><u>New England</u></td></tr><tr><td>1 ...</td><td>Maine</td></tr><tr><td>2 ...</td><td>New Hampshire</td></tr><tr><td>3 ...</td><td>Vermont</td></tr><tr><td>4 ...</td><td>Massachusetts</td></tr><tr><td>5 ...</td><td>Rhode Island</td></tr><tr><td>6 ...</td><td>Connecticut</td></tr><tr><td><u>2 ...</u></td><td><u>Middle Atlantic</u></td></tr><tr><td>1 ...</td><td>New York</td></tr><tr><td>2 ...</td><td>New Jersey</td></tr><tr><td>3 ...</td><td>Pennsylvania</td></tr><tr><td><u>3 ...</u></td><td><u>East North Central</u></td></tr><tr><td>1 ...</td><td>Ohio</td></tr><tr><td>2 ...</td><td>Indiana</td></tr><tr><td>3 ...</td><td>Illinois</td></tr><tr><td>4 ...</td><td>Michigan</td></tr><tr><td>5 ...</td><td>Wisconsin</td></tr><tr><td><u>4 ...</u></td><td><u>West North Central</u></td></tr><tr><td>1 ...</td><td>Minnesota</td></tr><tr><td>2 ...</td><td>Iowa</td></tr><tr><td>3 ...</td><td>Missouri</td></tr><tr><td>4 ...</td><td>North Dakota</td></tr><tr><td>5 ...</td><td>South Dakota</td></tr><tr><td>6 ...</td><td>Nebraska</td></tr><tr><td>7 ...</td><td>Kansas</td></tr></tbody></table>	Loc. 42	Loc. 43	<u>1 ...</u>	<u>New England</u>	1 ...	Maine	2 ...	New Hampshire	3 ...	Vermont	4 ...	Massachusetts	5 ...	Rhode Island	6 ...	Connecticut	<u>2 ...</u>	<u>Middle Atlantic</u>	1 ...	New York	2 ...	New Jersey	3 ...	Pennsylvania	<u>3 ...</u>	<u>East North Central</u>	1 ...	Ohio	2 ...	Indiana	3 ...	Illinois	4 ...	Michigan	5 ...	Wisconsin	<u>4 ...</u>	<u>West North Central</u>	1 ...	Minnesota	2 ...	Iowa	3 ...	Missouri	4 ...	North Dakota	5 ...	South Dakota	6 ...	Nebraska	7 ...	Kansas
Loc. 42	Loc. 43																																																					
<u>1 ...</u>	<u>New England</u>																																																					
1 ...	Maine																																																					
2 ...	New Hampshire																																																					
3 ...	Vermont																																																					
4 ...	Massachusetts																																																					
5 ...	Rhode Island																																																					
6 ...	Connecticut																																																					
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4 ...	Michigan																																																					
5 ...	Wisconsin																																																					
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1 ...	Minnesota																																																					
2 ...	Iowa																																																					
3 ...	Missouri																																																					
4 ...	North Dakota																																																					
5 ...	South Dakota																																																					
6 ...	Nebraska																																																					
7 ...	Kansas																																																					

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
42-43	2	<u>Division and State Subcode of Residence (Cont'd)</u>
		<u>Loc. 42</u> <u>Loc. 43</u>
		<u>5 ...</u> <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
		<u>6 ...</u> <u>East South Central</u>
		1 ... Kentucky
		2 ... Tennessee
		3 ... Alabama
		4 ... Mississippi
		<u>7 ...</u> <u>West South Central</u>
		1 ... Arkansas
		2 ... Louisiana
		3 ... Oklahoma
		4 ... Texas
		<u>8 ...</u> <u>Mountain</u>
		1 ... Montana
		2 ... Idaho
		3 ... Wyoming
		4 ... Colorado
		5 ... New Mexico
		6 ... Arizona
		7 ... Utah
		8 ... Nevada
		<u>9 ...</u> <u>Pacific</u>
		1 ... Washington
		2 ... Oregon
		3 ... California
		4 ... Alaska
		5 ... Hawaii

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
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. Appendix A gives a complete list of names and expanded codes. 00 ... Foreign Residents 01-52 ... Code range
46-48	3	<u>NCHS Standard Metropolitan Statistical Area (SMSA)</u> NCHS uses the SMSA's established for 1980 by the U.S. Office of Management and Budget except for New England States, in which case the New England County Metropolitan Areas (NECMA) are used. A list of SMSA's and their component counties is at the back of this documentation. Tape locations 129-132 contain the Federal Information Processing Standards (FIPS) SMSA codes. 000 ... Nonmetropolitan counties 001-305 ... The 305 SMSA's established for 1980 ZZZ ... Foreign Residents
49-54	6	<u>Reserved Positions</u>

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
55-58	4	<u>DATE OF DEATH</u> ¹
55-56	2	<u>Month</u> 01 ... January 02 ... February 03 ... March 04 ... April 05 ... May 06 ... June 07 ... July 08 ... August 09 ... September 10 ... October 11 ... November 12 ... December
57-58	2	<u>Day</u> 01-31 ... As applicable to Month of Death 99 ... Day of Death not stated
59	1	<u>Sex</u> 1 ... Male 2 ... Female
60-63	4	<u>RACE</u>
60-61	2	<u>Detail Race</u> 00 ... Other Asian or Pacific Islander 01 ... White 02 ... Black 03 ... Indian (includes Aleuts and Eskimos) 04 ... Chinese 05 ... Japanese 06 ... Hawaiian (includes Part-Hawaiian) 07 ... All other Races 08 ... Filipino
62	1	<u>Race Recode 3</u> 1 ... White 2 ... Races other than White or Black 3 ... Black
63	1	<u>Race Recode 2</u> 1 ... White 2 ... All Other Races

¹Year of death is identified in tape locations 1-2.

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location Field Size Item and Code Outline

64-74 11 AGE

64-66 3 Detail Age

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.

<u>Loc. 64</u>		<u>Loc. 2 65-66²</u>
0	Years less than 100	01-99
1	Years 100 or more	00-99
2	Months	01-11,99
3	Weeks	01-03,99
4	Days	01-27,99
5	Hours	01-23,99
6	Minutes	01-59,99
9	Age not stated	99

²Unknowns in infant age are recoded:

CODE AND MEANING	TAPE LOCATIONS			
	67-68	69-70	71-72	73-74
299 - Months	12	02	01	12
399 - Weeks	09	01	01	09
499 - Days	03	01	01	03
599 - Hours	01	01	01	01
699 - Minutes	01	01	01	01

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
67-68	2	<u>Age Recode 52</u> 01 ... Under 1 hour 02 ... 1-23 hours 03 ... 1 day 04 ... 2 days 05 ... 3 days 06 ... 4 days 07 ... 5 days 08 ... 6 days 09 ... 7-13 days 10 ... 14-20 days 11 ... 21-27 days 12 ... 1 month 13 ... 2 months 14 ... 3 months 15 ... 4 months 16 ... 5 months 17 ... 6 months 18 ... 7 months 19 ... 8 months 20 ... 9 months 21 ... 10 months 22 ... 11 months 23 ... 1 year 24 ... 2 years 25 ... 3 years 26 ... 4 years 27 ... 5-9 years 28 ... 10-14 years 29 ... 15-19 years 30 ... 20-24 years 31 ... 25-29 years 32 ... 30-34 years 33 ... 35-39 years 34 ... 40-44 years 35 ... 45-49 years 36 ... 50-54 years 37 ... 55-59 years 38 ... 60-64 years 39 ... 65-69 years 40 ... 70-74 years

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
67-68	2	<u>Age Recode 52 (Cont'd)</u> 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 02 ... 1 month - 11 months 03 ... 1 year 04 ... 2 years 05 ... 3 years 06 ... 4 years 07 ... 5-9 years 08 ... 10-14 years 09 ... 15-19 years 10 ... 20-24 years 11 ... 25-29 years 12 ... 30-34 years 13 ... 35-39 years 14 ... 40-44 years 15 ... 45-49 years 16 ... 50-54 years 17 ... 55-59 years 18 ... 60-64 years 19 ... 65-69 years 20 ... 70-74 years 21 ... 75-79 years 22 ... 80-84 years 23 ... 85-89 years 24 ... 90-94 years 25 ... 95-99 years 26 ... 100 years and over 27 ... Age not stated

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
71-72	2	<u>Age Recode 12</u> 01 ... Under 1 year 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 02 ... 1-23 hours 03 ... 1 day 04 ... 2 days 05 ... 3 days 06 ... 4 days 07 ... 5 days 08 ... 6 days 09 ... 7-13 days 10 ... 14-20 days 11 ... 21-27 days 12 ... 1 month 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

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
75	1	<u>Hospital and 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... Hospital, Clinic or Medical Center -- Patient status not on certificate 6... Other Institutions providing patient care 7... All other reported entries 8... Dead on Arrival -- Hospital, Clinic, Medical Center -- name not given 9... Hospital and patient status not stated
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> 01-51 ... Each State and the District of Columbia are numbered alphabetically. Appendix A gives a complete list of State names and codes. 52 ... Puerto Rico 53 ... Virgin Islands 54 ... Guam 55 ... Canada 56 ... Cuba 57 ... Mexico 59 ... Remainder of the World 99 ... State of birth unknown

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
80-83	4	<u>Reserved Positions</u>
84	1	<u>Autopsy Performed</u> 1... Yes 2... No 8... Autopsy performed not on certificate 9... Autopsy performed not stated
85-128	44	<u>Reserved Positions</u>
129-132	4	<u>FIPS SMSA</u> See tape location 46-48 for an explanation of SMSA's adapted for use by NCHS. A list of SMSA's and their component counties is at the back of this documentation. 0000 ... Nonmetropolitan counties 0040-9340 ... Code range ZZZZ ... Foreign residents
133-140	8	<u>Reserved Positions</u>

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
141	1	<u>Place of Accident for Causes E850-E929</u> Blank ... Causes other than E850-E929 0 ... Home 1 ... Farm 2 ... Mine and Quarry 3 ... Industrial Place and Premises 4 ... Place for Recreation and Sport 5 ... Street and Highway 6 ... Public Building 7 ... Resident Institution 8 ... Other Specified Places 9 ... Place of Accident not Specified
142-159	18	<u>Underlying Cause of Death</u>
142-145	4	<u>ICD Code (9th Revision)</u> See the "International Classification of Diseases", 1975 Revision, Volume 1. For injuries and poisoning, the external cause is coded (E800-E999) rather than the Nature of Injury (800-999). These positions do not include the letter E for the external cause of injury. For those causes that do not have a 4th digit, location 145 is blank.
146-150	5	<u>282 Cause Recode</u> A recode of the ICD cause code into 282 groups for NCHS publications. See attachment for a complete list of recodes and the causes included. 00300-35800 ... Code range (not inclusive)
151-153	3	<u>72 Cause Recode</u> A recode of the ICD cause code into 72 groups for NCHS publications. See attachment for a complete list of recodes and the causes included. 010-840 ... Code range (not inclusive)

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
154-156	3	<u>61 Infant Cause Recode</u> A recode of the ICD cause code into 61 groups for NCHS publications. See attachment for a complete list of recodes and the causes included. 010-680 ... Code range (not inclusive)
157-159	3	<u>34 Cause Recode</u> A recode of the ICD cause code into 34 groups for NCHS Publications. See attachment for a complete list of recodes and the causes included. 010-370 ... Code range (not inclusive)

1981
 MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
160-440	281	<u>Multiple Conditions</u>
160-161	2	<u>Number of Entity - Axis Conditions</u> 00-20 ... Code range
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. 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 Positions 3-6 Condition code See Table 1 for a complete list of codes. Position 7 Nature of Injury Flag 1 ... Indicates that the code in positions 3-6 is a Nature of Injury code. 0 ... All other codes.
162-168	7	1st Condition
169-175	7	2nd Condition

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
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Entity-Axis Conditions (Cont'd)

176-182	7	3rd Condition
183-189	7	4th Condition
190-196	7	5th Condition
197-203	7	6th Condition
204-210	7	7th Condition
211-217	7	8th Condition
218-224	7	9th Condition
225-231	7	10th Condition
232-238	7	11th Condition
239-245	7	12th Condition
246-252	7	13th Condition
253-259	7	14th Condition
260-266	7	15th Condition
267-273	7	16th Condition
274-280	7	17th Condition
281-287	7	18th Condition
288-294	7	19th Condition
295-301	7	20th Condition

302-337	36	<u>Reserved Positions</u>
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1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
338-339	2	<u>Number of Record Axis Conditions</u> 00-20 ... Code range
340	1	Reserved position
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. Records that do not have 20 conditions are blank in the unused area. Positions 1-4 Condition code See Table 1 for a complete list of codes. Position 5 Nature of Injury Flag 1 ... Indicates that the code in positions 1-4 is a Nature of Injury code. 0 ... All other codes
341-345	5	1st Condition
346-350	5	2nd Condition
351-355	5	3rd Condition
356-360	5	4th Condition
361-365	5	5th Condition
366-370	5	6th Condition
371-375	5	7th Condition
376-380	5	8th Condition
381-385	5	9th Condition
386-390	5	10th Condition
391-395	5	11th Condition

1981
MULTIPLE CAUSE-OF-DEATH RECORD

Tape Location	Field Size	Item and Code Outline
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Record-Axis Conditions (Cont'd)

396-400	5	12th Condition
401-405	5	13th Condition
406-410	5	14th Condition
411-415	5	15th Condition
416-420	5	16th Condition
421-425	5	17th Condition
426-430	5	18th Condition
431-435	5	19th Condition
436-440	5	20th Condition

Appendix A

1981
State Codes Used in NCHS/DVS

<u>Name</u>	<u>Abbrev.</u>	<u>Code</u>	<u>Expanded Code</u>	<u>Name</u>	<u>Abbrev.</u>	<u>Code</u>	<u>Expanded Code</u>
Alabama*	AL	01	01	Montana*	MT	27	27
Alaska	AK	02	02	Nebraska	NB	28	28
Arizona*	AZ	03	03	Nevada	NV	29	29
Arkansas*	AR	04	04	New Hampshire	NH	30	30
California*	CA	05	05	New Jersey	NJ	31	31
Colorado	CO	06	06	New Mexico	NM	32	32
Connecticut	CT	07	07	New York	NY	33	33
Delaware	DE	08	08	New York City	NYC	33	34
District of Columbia	DC	09	09	North Carolina	NC	34	35
Florida*	FL	10	10	North Dakota*	ND	35	36
Georgia*	GA	11	11	Ohio*	OH	36	37
Hawaii	HI	12	12	Oklahoma*	OK	37	38
Idaho*	ID	13	13	Oregon	OR	38	39
Illinois*	IL	14	14	Pennsylvania	PA	39	40
Indiana*	IN	15	15	Rhode Island*	RI	40	41
Iowa	IA	16	16	South Carolina	SC	41	42
Kansas	KS	17	17	South Dakota	SD	42	43
Kentucky*	KY	18	18	Tennessee*	TN	43	44
Louisiana	LA	18	18	Texas*	TX	44	45
Maine	ME	20	20	Utah	UT	45	46
Maryland	MD	21	21	Vermont	VT	46	47
Massachusetts	MA	22	22	Virginia	VA	47	48
Michigan	MI	23	23	Washington*	WA	48	49
Minnesota	MN	24	24	West Virginia*	WV	49	50
Mississippi	MS	25	25	Wisconsin	WI	50	51
Missouri	MO	26	26	Wyoming	WY	51	52

* Multiple cause data coded for only 50 percent of the deaths occurring in this State.

STANDARD METROPOLITAN STATISTICAL AREAS ADAPTED FOR USE BY NCHS
 SMSA CODES BASED ON 1980 CENSUS
 STATE AND COUNTY CODES BASED ON 1970 CENSUS

NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
001	44	030 127 221	ABILENE, TEX TEXAS CALLAHAN JONES TAYLOR	0040
002	36	067 077	AKRON, OHIO OHIO PORTAGE SUMMIT	0080
003	11	047 088	ALBANY, GA GEORGIA DOUGHERTY LEE	0120
004	33	001 027 039 042 043	ALBANY-SCHENECTADY-TROY, N.Y NEW YORK ALBANY MONTGOMERY RENSSELAER SARATOGA SCHENECTADY	0160
005	32	001 023	ALBUQUERQUE, N. MEX NEW MEXICO BERNALILLO SANDOVAL	0200
006	19	022 040	ALEXANDRIA, LA LOUISIANA GRANT RAPIDES	0220
007	31 39	021 013 039 048	ALLENTOWN-BETHLEHEM-EASTON, PA.-N.J NEW JERSEY WARREN PENNSYLVANIA CARBON LEHIGH NORTHAMPTON	0240
008	39	007	ALTOONA, PA PENNSYLVANIA BLAIR	0280
009	44	188 191	AMARILLO, TEX TEXAS POTTER RANDALL	0320

STANDARD METROPOLITAN STATISTICAL AREAS ADAPTED FOR USE BY NCHS
 SMSA CODES BASED ON 1980 CENSUS
 STATE AND COUNTY CODES BASED ON 1970 CENSUS

NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
010	05	030	ANAHEIM-SANTA ANA-GARDEN GROVE, CALIF CALIFORNIA ORANGE	0360
011	02	010	ANCHORAGE, ALASKA ALASKA DIST. 10, ANCHORAGE	0380
012	15	048	ANDERSON, IND INDIANA MADISON	0400
013	41	004	ANDERSON, S.C SOUTH CAROLINA ANDERSON	0405
014	23	081	ANN ARBOR, MICH MICHIGAN WASHTENAW	0440
015	01	008	ANNISTON, ALA ALABAMA CALHOUN	0450
016	50	008 045 071	APPLETON-OSHKOSH, WIS WISCONSIN CALUMET OUTAGAMIE WINNEBAGO	0460
017	34	011 058	ASHEVILLE, N.C NORTH CAROLINA BUNCOMBE MADISON	0480
018	11	029 078 097 108	ATHENS, GA GEORGIA CLARKE JACKSON MADISON OCONEE	0500

STANDARD METROPOLITAN STATISTICAL AREAS ADAPTED FOR USE BY NCHS
 SMSA CODES BASED ON 1980 CENSUS
 STATE AND COUNTY CODES BASED ON 1970 CENSUS

NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
019	11		ATLANTA, GA GEORGIA	0520
		018	BUTTS	
		028	CHEROKEE	
		031	CLAYTON	
		033	COBB	
		044	DE KALB	
		048	DOUGLAS	
		056	FAYETTE	
		058	FORSYTH	
		060	FULTON	
		067	GWINNETT	
		075	HENRY	
		107	NEWTON	
		110	PAULDING	
		122	ROCKDALE	
		147	WALTON	
020	31		ATLANTIC CITY, N.J NEW JERSEY	0560
		001	ATLANTIC	
021	11		AUGUSTA, GA.-S.C GEORGIA	0600
		036	COLUMBIA	
		121	RICHMOND	
	41		SOUTH CAROLINA	
		002	AIKEN	
022	44		AUSTIN, TEX TEXAS	0640
		105	HAYS	
		227	TRAVIS	
		246	WILLIAMSON	
023	05		BAKERSFIELD, CALIF CALIFORNIA	0680
		015	KERN	
024	21		BALTIMORE, MD MARYLAND	0720
		002	ANNE ARUNDEL	
		003	BALTIMORE	
		004	BALTIMORE CITY IND	
		007	CARROLL	
		013	HARFORD	
		014	HOWARD	

STANDARD METROPOLITAN STATISTICAL AREAS ADAPTED FOR USE BY NCHS
 SMSA CODES BASED ON 1980 CENSUS
 STATE AND COUNTY CODES BASED ON 1970 CENSUS

NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
025	20	010	BANGOR, MAINE MAINE PENOBSCOT	0733
026	19	003 017 032 061	BATON ROUGE, LA LOUISIANA ASCENSION EAST BATON ROUGE LIVINGSTON WEST BATON ROUGE	0760
027	23	008 013	BATTLE CREEK, MICH MICHIGAN BARRY CALHOUN	0780
028	23	009	BAY CITY, MICH MICHIGAN BAY	0800
029	44	100 123 181	BEAUMONT-PORT ARTHUR-ORANGE, TEX TEXAS HARDIN JEFFERSON ORANGE	0840
030	48	037	BELLINGHAM, WASH WASHINGTON WHATCOM	0860
031	23	011	BENTON HARBOR, MICH MICHIGAN BERRIEN	0870
032	27	056	BILLINGS, MONT MONTANA YELLOWSTONE	0880
033	25	023 024 066	BILOXI-GULFPORT, MISS MISSISSIPPI HANCOCK HARRISON STONE	0920
034	33 39	003 050 058	BINGHAMTON, N.Y.-PA NEW YORK BROOME TIOGA PENNSYLVANIA SUSQUEHANNA	0960

STANDARD METROPOLITAN STATISTICAL AREAS ADAPTED FOR USE BY NCHS
 SMSA CODES BASED ON 1980 CENSUS
 STATE AND COUNTY CODES BASED ON 1970 CENSUS

NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
035	01	037 058 059 064	BIRMINGHAM, ALA ALABAMA JEFFERSON ST CLAIR SHELBY WALKER	1000
036	35	008 030	BISMARCK, N.D NORTH DAKOTA BURLEIGH MORTON	1010
037	15	053	BLOOMINGTON, IND INDIANA MONROE	1020
038	14	057	BLOOMINGTON-NORMAL, ILL ILLINOIS MC LEAN	1040
039	13	001	BOISE CITY, IDAHO IDAHO ADA	1080
040	22	005 009 011 012 013	BOSTON-LOWELL-BROCKTON-LAWRENCE-HAVERHILL, MASS MASSACHUSETTS ESSEX MIDDLESEX NORFOLK PLYMOUTH SUFFOLK	1123
041	10	041	BRADENTON, FLA FLORIDA MANATEE	1140
042	48	018	BREMERTON, WASH WASHINGTON KITSAP	1150
043	07	001	BRIDGEPORT-STAMFORD-NORWALK-DANBURY, CONN CONNECTICUT FAIRFIELD	1163
044	44	031	BROWNSVILLE-HARLINGEN-SAN BENITO, TEX TEXAS CAMERON	1240

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
045	44	021	BRYAN-COLLEGE STATION, TEX TEXAS BRAZOS	1260
046	33	014 030	BUFFALO, N.Y NEW YORK ERIE NIAGARA	1280
047	34	001	BURLINGTON, N.C NORTH CAROLINA ALAMANCE	1300
048	46	004	BURLINGTON, VT VERMONT CHITTENDEN	1303
049	36	010 076	CANTON, OHIO OHIO CARROLL STARK	1320
050	51	013	CASPER, WY WYOMING NATRONA	1350
051	16	057	CEDAR RAPIDS, IOWA IOWA LINN	1360
052	14	010	CHAMPAIGN-URBANA-RANTOUL, ILL ILLINOIS CHAMPAIGN	1400
053	41	008 010 018	CHARLESTON-NORTH CHARLESTON, S.C SOUTH CAROLINA BERKELEY CHARLESTON DORCHESTER	1440
054	49	020 040	CHARLESTON, W. VA WEST VIRGINIA KANAWHA PUTNAM	1480

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
055	34	036 060 090	CHARLOTTE-GASTONIA, N.C NORTH CAROLINA GASTON MECKLENBURG UNION	1520
056	47	006 096 117 312	CHARLOTTESVILLE, VA VIRGINIA ALBEMARLE FLUVANNA GREENE CHARLOTTESVILLE CITY IND	1540
057	11 43	023 041 146 033 058 077	CHATTANOOGA, TENN.-GA GEORGIA CATOOSA DADE WALKER TENNESSEE HAMILTON MARION SEQUATCHIE	1560
058	14	016 022 045 049 056 099	CHICAGO, ILL ILLINOIS COOK DU PAGE KANE LAKE MC HENRY WILL	1600
059	05	004	CHICO, CALIF CALIFORNIA BUTTE	1620
060	15 18 36	015 008 019 059 013 031 083	CINCINNATI, OHIO-KY.-IND INDIANA DEARBORN KENTUCKY BOONE CAMPBELL KENTON OHIO CLERMONT HAMILTON WARREN	1640
061	18 43	024 063	CLARKSVILLE-HOPKINSVILLE, TENN.-KY KENTUCKY CHRISTIAN TENNESSEE MONTGOMERY	1660

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
062	36		CLEVELAND, OHIO	1680
		018	OHIO	
		028	CUYAHOGA	
		043	GEAUGA	
		052	LAKE	
			MEDINA	
063	06		COLORADO SPRINGS, COLO	1720
		021	COLORADO	
		060	EL PASO	
			TELLER	
064	26		COLUMBIA, MO	1740
		010	MISSOURI	
			BOONE	
065	41		COLUMBIA, S.C	1760
		032	SOUTH CAROLINA	
		040	LEXINGTON	
			RICHLAND	
066	01		COLUMBUS, GA.-ALA	1800
		057	ALABAMA	
		026	RUSSELL	
		106	GEORGIA	
			CHATTAHOOCHEE	
			MUSCOGEE	
067	36		COLUMBUS, OHIO	1840
		021	OHIO	
		023	DELAWARE	
		025	FAIRFIELD	
		049	FRANKLIN	
		065	MADISON	
			PICKAWAY	
068	44		CORPUS CHRISTI, TEX	1880
		178	TEXAS	
		205	NUECES	
			SAN PATRICIO	
069	21		CUMBERLAND, MD.-W. VA	1900
		001	MARYLAND	
		029	ALLEGANY	
			WEST VIRGINIA	
			MINERAL	

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
070	44		DALLAS-FORT WORTH, TEX TEXAS	1920
		043	COLLIN	
		057	DALLAS	
		061	DENTON	
		070	ELLIS	
		111	HOOD	
		126	JOHNSON	
		129	KAUFMAN	
		184	PARKER	
		199	ROCKWALL	
		220	TARRANT	
		249	WISE	
071	47		DANVILLE, VA VIRGINIA	1950
		213	PITTSYLVANIA	
		327	DANVILLE CITY IND	
072	14		DAVENPORT-ROCK ISLAND-MOLINE, IOWA-ILL ILLINOIS	1960
		037	HENRY	
		081	ROCK ISLAND	
	16		IOWA	
		082	SCOTT	
073	36		DAYTON, OHIO OHIO	2000
		029	GREENE	
		055	MIAMI	
		057	MONTGOMERY	
		068	PREBLE	
074	10		DAYTONA BEACH, FLA FLORIDA	2020
		064	VOLUSIA	
075	14		DECATUR, ILL ILLINOIS	2040
		058	MACON	
076	06		DENVER-BOULDER, COLO COLORADO	2080
		001	ADAMS	
		003	ARAPAHOE	
		007	BOULDER	
		016	DENVER COEXT	
		018	DOUGLAS	
		024	GILPIN	
		030	JEFFERSON	

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
077	16	077 091	DES MOINES, IOWA IOWA POLK WARREN	2120
078	23	044 047 050 063 074 082	DETROIT, MICH MICHIGAN LAPEER LIVINGSTON MACOMB OAKLAND ST CLAIR WAYNE	2160
079	16	031	DUBUQUE, IOWA IOWA DUBUQUE	2200
080	24 50	069 016	DULUTH-SUPERIOR, MINN.-WIS MINNESOTA ST LOUIS WISCONSIN DOUGLAS	2240
081	50	009 018	EAU CLAIRE, WIS WISCONSIN CHIPPEWA EAU CLAIRE	2290
082	44	071	EL PASO, TEX TEXAS EL PASO	2320
083	15	020	ELKHART, IND INDIANA ELKHART	2330
084	33	007	ELMIRA, N.Y NEW YORK CHEMUNG	2335
085	37	024	ENID, OKLA OKLAHOMA GARFIELD	2340
086	39	025	ERIE, PA PENNSYLVANIA ERIE	2360

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
087	38	020	EUGENE-SPRINGFIELD, OREG OREGON LANE	2400
088	15	026 065 082 087	EVANSVILLE, IND.-KY INDIANA GIBSON POSEY VANDERBURGH WARRICK	2440
	18	051	KENTUCKY HENDERSON	
089	24	014	FARGO-MOORHEAD, N. DAK.-MINN MINNESOTA CLAY	2520
	35	009	NORTH DAKOTA CASS	
090	34	026	FAYETTEVILLE, N.C NORTH CAROLINA CUMBERLAND	2560
091	04	004 072	FAYETTEVILLE-SPRINGDALE, ARK ARKANSAS BENTON WASHINGTON	2580
092	23	025 078	FLINT, MICH MICHIGAN GENESEE SHIAWASSEE	2640
093	01	017 039	FLORENCE, ALA ALABAMA COLBERT LAUDERDALE	2650
094	41	021	FLORENCE, S.C SOUTH CAROLINA FLORENCE	2655
095	06	035	FORT COLLINS, COLO COLORADO LARIMER	2670
096	10	006	FORT LAUDERDALE-HOLLYWOOD, FLA FLORIDA BROWARD	2680

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
097	10	036	FORT MYERS-CAPE CORAL, FLA FLORIDA LEE	2700
098	04	017 066 37 040 068	FORT SMITH, ARK.-OKLA ARKANSAS CRAWFORD SEBASTIAN OKLAHOMA LE FLORE SEQUOYAH	2720
099	10	046	FORT WALTON BEACH, FLA FLORIDA OKALOOSA	2750
100	15	001 002 017 090	FORT WAYNE, IND INDIANA ADAMS ALLEN DE KALB WELLS	2760
101	05	010	FRESNO, CALIF CALIFORNIA FRESNO	2840
102	01	028	GADSDEN, ALA ALABAMA ETOWAH	2880
103	10	001	GAINESVILLE, FLA FLORIDA ALACHUA	2900
104	44	084	GALVESTON-TEXAS CITY, TEX TEXAS GALVESTON	2920
105	15	045 064	GARY-HAMMOND-EAST CHICAGO, IND INDIANA LAKE PORTER	2960
106	33	053 054	GLENS FALLS, N.Y NEW YORK WARREN WASHINGTON	2975

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
107	24		GRAND FORKS, N.D.-MINN	2985
		060	MINNESOTA	
	35		POLK	
		018	NORTH DAKOTA	
			GRAND FORKS	
108	23		GRAND RAPIDS, MICH	3000
		041	MICHIGAN	
		070	KENT	
			OTTAWA	
109	27		GREAT FALLS, MONT	3040
		007	MONTANA	
			CASCADE	
110	06		GREELEY, COLO	3060
		062	COLORADO	
			WELD	
111	50		GREEN BAY, WIS	3080
		005	WISCONSIN	
			BROWN	
112	34		GREENSBORO-WINSTON SALEM-HIGH POINT, N.C	3120
		029	NORTH CAROLINA	
		034	DAVIDSON	
		041	FORSYTH	
		076	GUILFORD	
		085	RANDOLPH	
		099	STOKES	
			YADKIN	
113	41		GREENVILLE-SPARTANBURG, S.C	3160
		023	SOUTH CAROLINA	
		039	GREENVILLE	
		042	PICKENS	
			SPARTANBURG	
114	21		HAGERSTOWN, MD	3180
		022	MARYLAND	
			WASHINGTON	
115	36		HAMILTON-MIDDLETOWN, OHIO	3200
		009	OHIO	
			BUTLER	

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
116	39	021 022 050	HARRISBURG, PA PENNSYLVANIA CUMBERLAND DAUPHIN PERRY	3240
117	07	002 004 007	HARTFORD-NEW BRITAIN-BRISTOL, CONN CONNECTICUT HARTFORD MIDDLESEX TOLLAND	3283
118	34	002 018	HICKORY, N.C NORTH CAROLINA ALEXANDER CATAWBA	3290
119	12	002	HONOLULU, HAWAII HAWAII HONOLULU	3320
120	44	020 079 101 148 170 237	HOUSTON, TEX TEXAS BRAZORIA FORT BEND HARRIS LIBERTY MONTGOMERY WALLER	3360
121	18 36 49	010 045 044 006 050	HUNTINGTON-ASHLAND, W. VA.-KY.-OHIO KENTUCKY BOYD GREENUP OHIO LAWRENCE WEST VIRGINIA CABELL WAYNE	3400
122	01	042 045 048	HUNTSVILLE, ALA ALABAMA LIMESTONE MADISON MARSHALL	3440

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
123	15		INDIANAPOLIS, IND INDIANA	3480
		006	BOONE	
		029	HAMILTON	
		030	HANCOCK	
		032	HENDRICKS	
		041	JOHNSON	
		049	MARION	
		055	MORGAN	
		073	SHELBY	
124	16		IOWA CITY, IOWA IOWA	3500
		052	JOHNSON	
125	23		JACKSON, MICH MICHIGAN	3520
		038	JACKSON	
126	25		JACKSON, MISS MISSISSIPPI	3560
		025	HINDS	
		061	RANKIN	
127	10		JACKSONVILLE, FLA FLORIDA	3600
		002	BAKER	
		010	CLAY	
		016	DUVAL-JACKSONVILLE COEXT	
		045	NASSAU	
		055	ST JOHNS	
128	34		JACKSONVILLE, N.C NORTH CAROLINA	3605
		067	ONSLow	
129	50		JANESVILLE-BELOIT, WISC WISCONSIN	3620
		054	ROCK	
130	31		JERSEY CITY, N.J NEW JERSEY	3640
		009	HUDSON	

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
131	43		JOHNSON CITY-KINGSPORT-BRISTOL, TENN.-VA TENNESSEE	3660
		010	CARTER	
		037	HAWKINS	
		082	SULLIVAN	
		086	UNICOI	
		090	WASHINGTON	
	47		VIRGINIA	
		252	SCOTT	
		282	WASHINGTON	
		306	BRISTOL CITY IND	
132	39		JOHNSTOWN, PA PENNSYLVANIA	3680
		011	CAMBRIA	
		056	SOMERSET	
133	26		JOPLIN, MO MISSOURI	3710
		049	JASPER	
		073	NEWTON	
134	23		KALAMAZOO-PORTAGE, MICH MICHIGAN	3720
		039	KALAMAZOO	
		080	VAN BUREN	
135	14		KANKAKEE, ILL ILLINOIS	3740
		046	KANKAKEE	
136	17		KANSAS CITY, MO.-KANS KANSAS	3760
		046	JOHNSON	
		105	WYANDOTTE	
	26		MISSOURI	
		019	CASS	
		024	CLAY	
		048	JACKSON	
		083	PLATTE	
		089	RAY	
137	50		KENOSHA, WIS WISCONSIN	3800
		030	KENOSHA	
138	44		KILLEEN-TEMPLE, TEX TEXAS	3810
		014	BELL	
		050	CORYELL	

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
139	43	001 005 047 087	KNOXVILLE, TENN TENNESSEE ANDERSON BLOUNT KNOX UNION	3840
140	15	034 080	KOKOMO, IND INDIANA HOWARD TIPTON	3850
141	50	032	LA CROSSE, WIS WISCONSIN LA CROSSE	3870
142	19	028	LAFAYETTE, LA LOUISIANA LAFAYETTE	3880
143	15	079	LAFAYETTE-WEST LAFAYETTE, IND INDIANA TIPPECANOE	3920
144	19	010	LAKE CHARLES, LA LOUISIANA CALCASIEU	3960
145	10	053	LAKELAND-WINTER HAVEN, FLA FLORIDA POLK	3980
146	39	036	LANCASTER, PA PENNSYLVANIA LANCASTER	4000
147	23	019 023 033 034	LANSING-EAST LANSING, MICH MICHIGAN CLINTON EATON INGHAM IONIA	4040
148	44	240	LAREDO, TEX TEXAS WEBB	4080

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
149	32	007	LAS CRUCES, N.M NEW MEXICO DONA ANA	4100
150	29	002	LAS VEGAS, NEV NEVADA CLARK	4120
151	17	023	LAWRENCE, KANS KANSAS DOUGLAS	4150
152	37	016	LAWTON, OKLA OKLAHOMA COMANCHE	4200
153	20	001	LEWISTON-AUBURN, MAINE MAINE ANDROSCOGGIN	4243
154	18	009 025 034 057 105 120	LEXINGTON-FAYETTE, KY KENTUCKY BOURBON CLARK FAYETTE JESSAMINE SCOTT WOODFORD	4280
155	36	002 006 069 081	LIMA, OHIO OHIO ALLEN AUGLAIZE PUTNAM VAN WERT	4320
156	28	055	LINCOLN, NEBR NEBRASKA LANCASTER	4360
157	04	060 063	LITTLE ROCK-NORTH LITTLE ROCK, ARK ARKANSAS PULASKI SALINE	4400
158	31	013	LONG BRANCH-ASBURY PARK, N.J NEW JERSEY MONMOUTH	4410

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
159	44	092 102	LONGVIEW-MARSHALL, TEX TEXAS GREGG HARRISON	4420
160	36	047	LORAIN-ELYRIA, OHIO OHIO LORAIN	4440
161	05	019	LOS ANGELES-LONG BEACH, CALIF CALIFORNIA LOS ANGELES	4480
162	15	010 022 18 015 056 093	LOUISVILLE, KY.-IND INDIANA CLARK FLOYD KENTUCKY BULLITT JEFFERSON OLDHAM	4520
163	44	152	LUBBOCK, TEX TEXAS LUBBOCK	4600
164	47	015 018 048 360	LYNCHBURG, VA VIRGINIA AMHERST APPOMATTOX CAMPBELL LYNCHBURG CITY IND	4640
165	11	011 076 084 143	MACON, GA GEORGIA BIBB HOUSTON JONES TWIGGS	4680
166	50	013	MADISON, WIS WISCONSIN DANE	4720
167	30	008	MANCHESTER-NASHUA, N.H NEW HAMPSHIRE HILLSBOROUGH	4763

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168	36	070	MANSFIELD, OHIO OHIO RICHLAND	4800
169	44	108	MCALLEN-PHARR-EDINBURG, TEX TEXAS HIDALGO	4880
170	38	015	MEDFORD, OREG OREGON JACKSON	4890
171	10	005	MELBOURNE-TITUSVILLE-COCOA, FLA FLORIDA BREVARD	4900
172	04	018	MEMPHIS, TENN.-ARK.-MISS ARKANSAS CRITTENDEN	4920
	25	017	MISSISSIPPI DE SOTO	
	43	079	TENNESSEE SHELBY	
		084	TIPTON	
173	10	013	MIAMI, FLA FLORIDA DADE	5000
174	44	165	MIDLAND, TEX TEXAS MIDLAND	5040
175	50	041	MILWAUKEE, WIS WISCONSIN MILWAUKEE	5080
		046	OZAUKEE	
		067	WASHINGTON	
		068	WAUKESHA	

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176	24		MINNEAPOLIS-ST. PAUL, MINN.-WISC	5120
			MINNESOTA	
		002	ANDOKA	
		010	CARVER	
		013	CHISAGO	
		019	DAKOTA	
		027	HENNEPIN	
		062	RAMSEY	
		070	SCOTT	
		082	WASHINGTON	
		086	WRIGHT	
	50		WISCONSIN	
		056	ST CROIX	
177	01		MOBILE, ALA	5160
			ALABAMA	
		002	BALDWIN	
		049	MOBILE	
178	05		MODESTO, CALIF	5170
			CALIFORNIA	
		050	STANISLAUS	
179	19		MONROE, LA	5200
			LOUISIANA	
		037	OUACHITA	
180	01		MONTGOMERY, ALA	5240
			ALABAMA	
		001	AUTAUGA	
		026	ELMORE	
		051	MONTGOMERY	
181	15		MUNCIE, IND	5280
			INDIANA	
		018	DELAWARE	
182	23		MUSKEGON-NORTON SHORES-MUSKEGON HEIGHTS, MICH	5320
			MICHIGAN	
		061	MUSKEGON	
		064	OCEANA	

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183	43		NASHVILLE-DAVIDSON, TENN TENNESSEE	5360
		011	CHEATHAM	
		019	DAVIDSON NASHVILLE COEXT	
		022	DICKSON	
		074	ROBERTSON	
		075	RUTHERFORD	
		083	SUMNER	
		094	WILLIAMSON	
		095	WILSON	
184	33		NASSAU-SUFFOLK, N.Y NEW YORK	5380
		028	NASSAU	
		048	SUFFOLK	
185	22		NEW BEDFORD-FALL RIVER, MASS MASSACHUSETTS	5403
		003	BRISTOL	
186	31		NEW BRUNSWICK-PERTH AMBOY-SAYREVILLE, N.J NEW JERSEY	5460
		012	MIDDLESEX	
187	07		NEW HAVEN-WATERBURY-MERIDEN, CONN CONNECTICUT	5483
		005	NEW HAVEN	
188	07		NEW LONDON-NORWICH, CONN CONNECTICUT	5523
		006	NEW LONDON	
189	19		NEW ORLEANS, LA LOUISIANA	5560
		026	JEFFERSON	
		036	ORLEANS-NEW ORLEANS COEXT	
		044	ST BERNARD	
		052	ST TAMMANY	
190	31		NEW YORK, N.Y.-N.J NEW JERSEY	5600
		002	BERGEN	
	33		NEW YORK	
		029	NEW YORK CITY	
		038	PUTNAM	
		040	ROCKLAND	
		056	WESTCHESTER	

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191	31	007 014 018 020	NEWARK, N.J NEW JERSEY ESSEX MORRIS SOMERSET UNION	5640
192	36	045	NEWARK, OHIO OHIO LICKING	5645
193	33	034	NEWBURGH-MIDDLETOWN, N.Y NEW YORK ORANGE	5660
194	47	108 141 294 348 366 408	NEWPORT NEWS-HAMPTON, VA VIRGINIA GLOUCESTER JAMES CITY YORK HAMPTON CITY IND NEWPORT NEWS CITY IND WILLIAMSBURG CITY IND	5680
195	34 47	027 315 369 378 399 402	NORFOLK-VIRGINIA BEACH-PORTSMOUTH, VA.-N.C NORTH CAROLINA CURRITUCK VIRGINIA CHESAPEAKE CITY IND NORFOLK CITY IND PORTSMOUTH CITY IND SUFFOLK CITY IND VIRGINIA BEACH CITY IND	5720
196	39	035 040 045	NORTHEAST PENNSYLVANIA PENNSYLVANIA LACKAWANNA LUZERNE MONROE	5745
197	10	042	OCALA, FLA FLORIDA MARION	5790
198	44	068	ODESSA, TEX TEXAS ECTOR	5800

STANDARD METROPOLITAN STATISTICAL AREAS ADAPTED FOR USE BY NCHS
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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
199	37		OKLAHOMA CITY, OKLA OKLAHOMA	5880
		009	CANADIAN	
		014	CLEVELAND	
		044	MC CLAIN	
		055	OKLAHOMA	
		063	POTTAWATOMIE	
200	48		OLYMPIA, WASH WASHINGTON	5910
		034	THURSTON	
201	16		OMAHA, NEBR.-IOWA IOWA	5920
		078	POTTAWATTAMIE	
	28		NEBRASKA	
		028	DOUGLAS	
		077	SARPY	
202	10		ORLANDO, FLA FLORIDA	5960
		048	ORANGE	
		049	OSCEOLA	
		059	SEMINOLE	
203	18		OWENSBORO, KY KENTUCKY	5990
		030	DAVIESS	
204	05		OXNARD-SIMI VALLEY-VENTURA, CALIF CALIFORNIA	6000
		056	VENTURA	
205	10		PANAMA CITY, FLA FLORIDA	6015
		003	BAY	
206	36		PARKERSBURG-MARIETTA, W. VA.-OHIO OHIO	6020
		084	WASHINGTON	
	49		WEST VIRGINIA	
		053	WIRT	
		054	WOOD	
207	25		PASCAGOULA-MOSS POINT, MISS MISSISSIPPI	6025
		030	JACKSON	
208	31		PATERSON-CLIFTON-PASSAIC, N.J NEW JERSEY	6040
		016	PASSAIC	

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
209	10	017 057	PENSACOLA, FLA FLORIDA ESCAMBIA SANTA ROSA	6080
210	14	072 090 102	PEORIA, ILL ILLINOIS PEORIA TAZEWELL WOODFORD	6120
211	47	081 222 321 354 375	PETERSBURG-COLONIAL HEIGHTS-HOPEWELL, VA VIRGINIA DINWIDDIE PRINCE GEORGE COLONIAL HEIGHTS CITY IND HOPEWELL CITY IND PETERSBURG CITY IND	6140
212	31 39	003 004 008 009 015 023 046 051	PHILADELPHIA, PA.-N.J NEW JERSEY BURLINGTON CAMDEN GLOUCESTER PENNSYLVANIA BUCKS CHESTER DELAWARE MONTGOMERY PHILADELPHIA COEXT	6160
213	03	007	PHOENIX, ARIZ ARIZONA MARICOPA	6200
214	04	035	PINE BLUFF, ARK ARKANSAS JEFFERSON	6240
215	39	002 004 063 065	PITTSBURGH, PA PENNSYLVANIA ALLEGHENY BEAVER WASHINGTON WESTMORELAND	6280
216	22	002	PITTSFIELD, MASS MASSACHUSETTS BERKSHIRE	6323

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
217	20	003 012	PORTLAND, MAINE MAINE CUMBERLAND SAGadahOC	6403
218	38 48	003 026 034 006	PORTLAND, OREG.-WASH OREGON CLACKAMAS MULTNOMAH WASHINGTON WASHINGTON CLARK	6440
219	20 30	016 008 009	PORTSMOUTH-DOVER-ROCHESTER, N.H.-MAINE MAINE YORK NEW HAMPSHIRE ROCKINGHAM STRAFFORD	6453
220	33	013	POUGHKEEPSIE, N.Y NEW YORK DUTCHESS	6460
221	40	001 002 004 005	PROVIDENCE-WARWICK-PAWTUCKET, R.I RHODE ISLAND BRISTOL KENT PROVIDENCE WASHINGTON	6483
222	45	025	PROVO-OREM, UTAH UTAH UTAH	6520
223	06	051	PUEBLO, COLO COLORADO PUEBLO	6560
224	50	052	RACINE, WIS WISCONSIN RACINE	6600
225	34	032 068 092	RALEIGH-DURHAM, N.C NORTH CAROLINA DURHAM ORANGE WAKE	6640

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
226	39	006	READING, PA PENNSYLVANIA BERKS	6680
227	05	045	REDDING, CALIF CALIFORNIA SHASTA	6690
228	29	016	RENO, NEV NEVADA WASHOE	6720
229	48	003 011	RICHLAND-KENNEWICK-PASCO, WASH WASHINGTON BENTON FRANKLIN	6740
230	47	057 063 111 126 129 189 216 384	RICHMOND, VA VIRGINIA CHARLES CITY CHESTERFIELD GOOCHLAND HANDOVER HENRICO NEW KENT POWHATAN RICHMOND CITY IND	6760
231	05	033 036	RIVERSIDE-SAN BERNARDINO-ONTARIO, CALIF CALIFORNIA RIVERSIDE SAN BERNARDINO	6780
232	47	036 069 240 387 390	ROANOKE, VA VIRGINIA BOTETOURT CRAIG ROANOKE ROANOKE CITY IND SALEM CITY IND	6800
233	24	055	ROCHESTER, MINN MINNESOTA OLMSTED	6820

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
234	33		ROCHESTER, N.Y NEW YORK	6840
		024	LIVINGSTON	
		026	MONROE	
		033	ONTARIO	
		035	ORLEANS	
		055	WAYNE	
235	14		ROCKFORD, ILL ILLINOIS	6880
		004	BOONE	
		101	WINNEBAGO	
236	41		ROCK HILL, S.C SOUTH CAROLINA	6885
		046	YORK	
237	05		SACRAMENTO, CALIF CALIFORNIA	6920
		031	PLACER	
		034	SACRAMENTO	
		057	YOLO	
238	23		SAGINAW, MICH MICHIGAN	6960
		073	SAGINAW	
239	24		ST. CLOUD, MINN MINNESOTA	6980
		005	BENTON	
		071	SHERBURNE	
		073	STEARNS	
240	26		ST. JOSEPH, MO MISSOURI	7000
		002	ANDREW	
		011	BUCHANAN	
241	14		ST. LOUIS, MO.-ILL ILLINOIS	7040
		014	CLINTON	
		060	MADISON	
		067	MONROE	
		082	ST CLAIR	
	26		MISSOURI	
		036	FRANKLIN	
		050	JEFFERSON	
		092	ST CHARLES	
		095	ST LOUIS	
		096	ST LOUIS CITY IND	

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
242	38	024 027	SALEM, OREG OREGON MARION POLK	7080
243	05	027	SALINAS-SEASIDE-MONTEREY, CALIF CALIFORNIA MONTEREY	7120
244	34	013 080	SALISBURY-CONCORD, N.C NORTH CAROLINA CABARRUS ROWAN	7140
245	45	006 018 023 029	SALT LAKE CITY-OGDEN, UTAH UTAH DAVIS SALT LAKE TOOELE WEBER	7160
246	44	226	SAN ANGELO, TEX TEXAS TOM GREEN	7200
247	44	015 046 094	SAN ANTONIO, TEX TEXAS BEXAR COMAL GUADALUPE	7240
248	05	037	SAN DIEGO, CALIF CALIFORNIA SAN DIEGO	7320
249	05	001 007 021 038 041	SAN FRANCISCO-OAKLAND, CALIF CALIFORNIA ALAMEDA CONTRA COSTA MARIN SAN FRANCISCO COEXT SAN MATEO	7360
250	05	043	SAN JOSE, CALIF CALIFORNIA SANTA CLARA	7400

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
251	05	042	SANTA BARBARA-SANTA MARIA-LOMPOC, CALIF CALIFORNIA SANTA BARBARA	7480
252	05	044	SANTA CRUZ, CALIF CALIFORNIA SANTA CRUZ	7485
253	05	049	SANTA ROSA, CALIF CALIFORNIA SONOMA	7500
254	10	058	SARASOTA, FLA FLORIDA SARASOTA	7510
255	11	015 025 051	SAVANNAH, GA GEORGIA BRYAN CHATHAM EFFINGHAM	7520
256	48	017 031	SEATTLE-EVERETT, WASH WASHINGTON KING SNOHOMISH	7600
257	39	043	SHARON, PA PENNSYLVANIA MERCER	7610
258	50	060	SHEBOYGAN, WISC WISCONSIN SHEBOYGAN	7620
259	44	091	SHERMAN-DENISON, TEX TEXAS GRAYSON	7640
260	19	008 009 060	SHREVEPORT, LA LOUISIANA BOSSIER CADDO WEBSTER	7680
261	16 28	097 022	SIoux CITY, IOWA-NEBR IOWA WOODBURY NEBRASKA DAKOTA	7720

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
262	42	049	SIOUX FALLS, S. DAK SOUTH DAKOTA MINNEHAHA	7760
263	15	050 071	SOUTH BEND, IND INDIANA MARSHALL ST JOSEPH	7800
264	48	032	SPOKANE, WASH WASHINGTON SPOKANE	7840
265	14	065 084	SPRINGFIELD, ILL ILLINOIS MENARD SANGAMON	7880
266	26	022 039	SPRINGFIELD, MO MISSOURI CHRISTIAN GREENE	7920
267	36	011 012	SPRINGFIELD, OHIO OHIO CHAMPAIGN CLARK	7960
268	22	007 008	SPRINGFIELD-CHICOPEE-HOLYOKE, MASS MASSACHUSETTS HAMPDEN HAMPSHIRE	8003
269	39	014	STATE COLLEGE, PA PENNSYLVANIA CENTRE	8050
270	36 49	041 005 015	STUBENVILLE-WEIRTON, OHIO-W. VA OHIO JEFFERSON WEST VIRGINIA BROOKE HANCOCK	8080
271	05	039	STOCKTON, CALIF CALIFORNIA SAN JOAQUIN	8120

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
272	33	025 032 036	SYRACUSE, N.Y NEW YORK MADISON ONONDAGA OSWEGO	8160
273	48	027	TACOMA, WASH WASHINGTON PIERCE	8200
274	10	037 065	TALLAHASSEE, FLA FLORIDA LEON WAKULLA	8240
275	10	029 051 052	TAMPA-ST. PETERSBURG, FLA FLORIDA HILLSBOROUGH PASCO PINELLAS	8280
276	15	011 077 083 084	TERRE HAUTE, IND INDIANA CLAY SULLIVAN VERMILLION VIGO	8320
277	04 44	041 046 019	TEXARKANA, TEX.-TEXARKANA, ARK ARKANSAS LITTLE RIVER MILLER TEXAS BOWIE	8360
278	23 36	058 026 048 062 087	TOLEDO, OHIO-MICH MICHIGAN MONROE OHIO FULTON LUCAS OTTAWA WOOD	8400
279	17	044 070 089	TOPEKA, KANS KANSAS JEFFERSON OSAGE SHAWNEE	8440

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
280	31	011	TRENTON, N.J NEW JERSEY MERCER	8480
281	03	010	TUCSON, ARIZ ARIZONA PIMA	8520
282	37	019 049 057 066 072 073	TULSA, OKLA OKLAHOMA CREEK MAYES OSAGE ROGERS TULSA WAGONER	8560
283	01	063	TUSCALOOSA, ALA ALABAMA TUSCALOOSA	8600
284	44	212	TYLER, TEX TEXAS SMITH	8640
285	33	021 031	UTICA-ROME, N.Y NEW YORK HERKIMER ONEIDA	8680
286	05	028 048	VALLEJO-FAIRFIELD-NAPA, CALIF CALIFORNIA NAPA SOLANO	8720
287	44	235	VICTORIA, TEX TEXAS VICTORIA	8750
288	31	006	VINELAND-MILLVILLE-BRIDGETON, N.J NEW JERSEY CUMBERLAND	8760
289	05	054	VISALIA-TULARE-PORTERVILLE, CALIF CALIFORNIA TULARE	8780

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
290	44	155	WACO, TEX TEXAS MC LENNAN	8800
291	09	001	WASHINGTON, D.C.-MD.-VA DIST. OF COLUMBIA DISTRICT OF COLUMBIA	8840
	21	009	MARYLAND CHARLES	
		016	MONTGOMERY	
		017	PRINCE GEORGES	
	47	021	VIRGINIA ARLINGTON	
		087	FAIRFAX	
		159	LOUDOUN	
		225	PRINCE WILLIAM	
		300	ALEXANDRIA CITY IND	
		333	FAIRFAX CITY IND	
		336	FALLS CHURCH CITY IND	
292	16	007	WATERLOO-CEDAR FALLS, IOWA IOWA BLACK HAWK	8920
293	50	037	WAUSAU, WISC WISCONSIN MARATHON	8940
294	10	050	WEST PALM BEACH-BOCA RATON, FLA FLORIDA PALM BEACH	8960
295	36	007	WHEELING, W. VA.-OHIO OHIO BELMONT	9000
	48	026	WEST VIRGINIA MARSHALL	
		035	OHIO	
296	17	008	WICHITA, KANSAS KANSAS BUTLER	9040
		087	SEDGWICK	
297	44	039	WICHITA FALLS, TEX TEXAS CLAY	9080
		243	WICHITA	
298	39	041	WILLIAMSPORT, PA PENNSYLVANIA LYCOMING	9140

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NCHS SMSA	NCHS STATE	NCHS COUNTY	SMSA NAME AND COUNTY COMPONENTS	FIPS SMSA
299	08		WILMINGTON, DEL.-N.J.-MD	9160
		002	DELAWARE NEW CASTLE	
		008	MARYLAND CECIL	
		017	NEW JERSEY SALEM	
300	34		WILMINGTON, N.C	9200
		010	NORTH CAROLINA BRUNSWICK	
		065	NEW HANOVER	
301	22		WORCESTER-FITCHBURG-LEOMINSTER, MASS	9243
		014	MASSACHUSETTS WORCESTER	
302	48		YAKIMA, WASH	9260
		039	WASHINGTON YAKIMA	
303	39		YORK, PA	9280
		001	PENNSYLVANIA ADAMS	
		067	YORK	
304	36		YOUNGSTOWN-WARREN, OHIO	9320
		050	OHIO MAHONING	
		078	TRUMBULL	
305	05		YUBA CITY, CALIF	9340
		051	CALIFORNIA SUTTER	
		058	YUBA	

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***** CAUSE SUBTOTALS ARE NOT IDENTIFIED IN THE MORTALITY DATA TAPES *****

282 RECODE	S T	LIMITED SEX	LEN- AGE	LEN- GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
00100	1			057	I. Infectious and parasitic diseases (001-139)
00200	1			040	Intestinal infectious diseases (001-009)
00300				054	Cholera and typhoid and paratyphoid fevers (001-002)
00400				019	Shigellosis (004)
00500				076	Other salmonella infections and other food poisoning (bacterial) (003,005)
00600				017	Amebiasis (006)
00700				066	Intestinal infections due to other specified organisms (007-008)
00800				041	Ill-defined intestinal infections (009)
00900	1			022	Tuberculosis (010-018)
01000				046	Tuberculosis of respiratory system (010-012)
01100				030	Other tuberculosis (013-018)
01200	1			047	Zoonotic and other bacterial diseases (020-041)
01300				019	Brucellosis (023)
01400				018	Diphtheria (032)
01500				022	Whooping cough (033)
01600				065	Streptococcal sore throat, scarlatina, and erysipelas (034-035)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	LEN- GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
01700				031	Meningococcal infection (036)
01800				015	Tetanus (037)
01900			3	018	Septicemia (038)
02000				056	All other bacterial diseases (020-022,024-031,039-041)
02100	1			024	Viral diseases (045-079)
02200				027	Acute poliomyelitis (045)
02300				016	Smallpox (050)
02400				015	Measles (055)
02500				015	Rubella (056)
02600				040	Arthropod-borne encephalitis (062-064)
02700				023	Viral hepatitis (070)
02800				064	Other viral diseases (046-049,051-054,057-061,065-066,071-079)
02900	1			058	Rickettsioses and other arthropod-borne diseases (080-088)
03000				042	Typhus and other rickettsioses (080-083)
03100				015	Malaria (084)
03200				046	All other arthropod-borne diseases (085-088)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	LEN- GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
03300	1			046	Syphilis and other venereal diseases (090-099)
03400	1			020	Syphilis (090-097)
03500				033	Cardiovascular syphilis (093)
03600				023	Neurosyphilis (094)
03700				040	All other syphilis (090-091,095-097)
03800				029	Gonococcal infections (098)
03900				031	Other venereal diseases (099)
04000	1			103	Other infectious and parasitic diseases and late effects of infectious and parasitic diseases (100-139)
04100				019	Mycoses (110-118)
04200				025	Helminthiases (120-129)
04300				036	Late effects of tuberculosis (137)
04400				043	Late effects of acute poliomyelitis (138)
04500				127	All other infectious and parasitic diseases and late effects of other infectious and parasitic diseases (100-104,130-136,139)
04600	1			033	II. Neoplasms (140-239)
04700	1			089	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)
04800	1			064	Malignant neoplasms of lip, oral cavity, and pharynx (140-149)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
04900				016	Of lip (140)
05000				019	Of tongue (141)
05100				026	Of pharynx (146-149.0)
05200				097	Of other and ill-defined sites within the lip, oral cavity, and pharynx (142-145, 149.1-149.9)
05300	1			066	Malignant neoplasms of digestive organs and peritoneum (150-159)
05400				022	Of esophagus (150)
05500				020	Of stomach (151)
05600				048	Of small intestine, including duodenum (152)
05700	1			018	Of colon (153)
05800				075	Hepatic and splenic flexures and transverse colon (153.0-153.1, 153.7)
05900				030	Descending colon (153.2)
06000				027	Sigmoid colon (153.3)
06100				056	Cecum, appendix, and ascending colon (153.4-153.6)
06200				048	Other and colon, unspecified (153.8-153.9)
06300				052	Of rectum, rectosigmoid junction, and anus (154)
06400	1			046	Of liver and intrahepatic bile ducts (155)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
06500				028	Liver, primary (155.0)
06600				037	Intrahepatic bile ducts (155.1)
06700				058	Liver, not specified as primary or secondary (155.2)
06800				052	Of gallbladder and extrahepatic bile ducts (156)
06900				021	Of pancreas (157)
07000				120	Of retroperitoneum, peritoneum, and other and ill-defined sites within the digestive organs and peritoneum (158-159)
07100	1			071	Malignant neoplasms of respiratory and intrathoracic organs (160-165)
07200				019	Of larynx (161)
07300				040	Of trachea, bronchus, and lung (162)
07400				107	Of all other and ill-defined sites within the respiratory system and intrathoracic organs (160,163-165)
07500	1			076	Malignant neoplasms of bone, connective tissue, skin, and breast (170-175)
07600				041	Of bone and articular cartilage (170)
07700				045	Of connective and other soft tissue (171)
07800				026	Melanoma of skin (172)
07900				043	Other malignant neoplasms of skin (173)
08000		2		026	Of female breast (174)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
08100		1		024	Of male breast (175)
08200	1			049	Malignant neoplasms of genital organs (179-187)
08300		2		025	Of cervix uteri (180)
08400		2		042	Of other parts of uterus (179,181-182)
08500		2		043	Of ovary and other uterine adnexa (183)
08600		2		056	Of other and unspecified female genital organs (184)
08700		1		021	Of prostate (185)
08800		1		019	Of testis (186)
08900		1		048	Of penis and other male genital organs (187)
09000	1			049	Malignant neoplasms of urinary organs (188-189)
09100				020	Of bladder (188)
09200				060	Of kidney and other and unspecified urinary organs (189)
09300	1			062	Malignant neoplasms of other and unspecified sites (190-199)
09400				016	Of eye (190)
09500				018	Of brain (191)
09600				058	Of other and unspecified parts of nervous system (192)

NCHS 9-TH REVISION 282 CAUSES OF DEATH USED FOR TABULATION AND PUBLICATION

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282 RECODE	S T	LIMITED SEX	LEN- AGE	LEN- GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
09700				080	Of thyroid gland and other endocrine glands and related structures (193-194)
09800				048	Of all other and unspecified sites (195-199)
09900	1			070	Malignant neoplasms of lymphatic and hematopoietic tissues (200-208)
10000				043	Lymphosarcoma and reticulosarcoma (200)
10100				027	Hodgkin's disease (201)
10200				070	Other malignant neoplasms of lymphoid and histiocytic tissue (202)
10300				060	Multiple myeloma and immunoproliferative neoplasms (203)
10400	1			022	Leukemia (204-208)
10500				029	Lymphoid leukemia (204)
10600				028	Myeloid leukemia (205)
10700				030	Monocytic leukemia (206)
10800				046	Other and unspecified leukemia (207-208)
10900	1			108	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)
11000	1			028	Benign neoplasms (210-229)
11100		2		038	Of female genital organs (218-221)
11200				062	Of eye, brain, and other parts of nervous system (224-225)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	LEN- GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
11300				064	Of all other and unspecified sites (210-217,222-223,226-229)
11400	1			029	Carcinoma in situ (230-234)
11500				044	Of breast and genitourinary system (233)
11600				052	Of all other and unspecified sites (230-232,234)
11700				043	Neoplasms of uncertain behavior (235-238)
11800				039	Neoplasms of unspecified nature (239)
11900	1			094	III. Endocrine, nutritional, and metabolic diseases and immunity disorders (240-279)
12000	1			073	Endocrine and metabolic diseases and immunity disorders (240-259,270-279)
12100				038	Disorders of thyroid gland (240-246)
12200				025	Diabetes mellitus (250)
12300				069	Disorders of the pituitary gland and its hypothalamic control (253)
12400				032	Diseases of thymus gland (254)
12500				035	Disorders of adrenal glands (255)
12600				025	Cystic fibrosis (277.0)
12700				017	Obesity (278.0)
12800				115	All other endocrine and metabolic diseases and immunity disorders (251-252,256-259,270-276,277.1-277.9,278.1-279)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	CAUSE TITLE AND ICD-9 CODES INCLUDED
12900	1			034 Nutritional deficiencies (260-269)
13000				028 Nutritional marasmus (261)
13100				046 Other protein-calorie malnutrition (262-263)
13200				050 All other nutritional deficiencies (260,264-269)
13300	1			067 IV. Diseases of blood and blood-forming organs (280-289)
13400	1			017 Anemias (280-285)
13500				030 Deficiency anemias (280-281)
13600				029 Hemolytic anemias (282-283)
13700				023 Aplastic anemia (284)
13800				037 Other and unspecified anemias (285)
13900				046 Purpura and other hemorrhagic conditions (287)
14000				066 All other diseases of blood and blood-forming organs (286,288-289)
14100	1			040 V. Mental disorders (290-319)
14200				055 Senile and presenile organic psychotic conditions (290)
14300				025 Alcoholic psychoses (291)
14400				029 All other psychoses (292-299)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
14500					033 Alcohol dependence syndrome (303)
14600					021 Drug dependence (304)
14700					080 Other neurotic, personality, and nonpsychotic mental disorders (300-302,305-316)
14800					028 Mental retardation (317-319)
14900	1				072 VI. Diseases of the nervous system and sense organs (320-389)
15000	1				040 Diseases of the nervous system (320-359)
15100					022 Meningitis (320-322)
15200					027 Parkinson's disease (332)
15300					092 Other hereditary and degenerative diseases of the central nervous system (330-331,333-337)
15400					026 Multiple sclerosis (340)
15500					032 Infantile cerebral palsy (343)
15600					016 Epilepsy (345)
15700					068 Other diseases of the nervous system (323-326,341-342,344,346-359)
15800					041 Disorders of the eye and adnexa (360-379)
15900					049 Diseases of the ear and mastoid process (380-389)
16000	1				060 VII. Diseases of the circulatory system (390-459)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
16100	1				053 Rheumatic fever and rheumatic heart disease (390-398)
16200					033 Acute rheumatic fever (390-392)
16300	1				043 Chronic rheumatic heart disease (393-398)
16400					034 Diseases of mitral valve (394)
16500					034 Diseases of aortic valve (395)
16600					046 Diseases of mitral and aortic valves (396)
16700					059 All other chronic rheumatic heart disease (393,397-398)
16800	1				030 Hypertensive disease (401-404)
16900					030 Essential hypertension (401)
17000					034 Hypertensive heart disease (402)
17100					034 Hypertensive renal disease (403)
17200					044 Hypertensive heart and renal disease (404)
17300	1				032 Ischemic heart disease (410-414)
17400					035 Acute myocardial infarction (410)
17500					064 Other acute and subacute forms of ischemic heart disease (411)
17600					023 Angina pectoris (413)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	LEN- GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
17700				087	Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)
17800				043	Diseases of pulmonary circulation (415-417)
17900	1			038	Other forms of heart disease (420-429)
18000				039	Acute and subacute endocarditis (421)
18100				088	Acute pericarditis, acute myocarditis, and other diseases of pericardium (420,422-423)
18200	1			037	Other diseases of endocardium (424)
18300				034	Mitral valve disorders (424.0)
18400				034	Aortic valve disorders (424.1)
18500				051	All other diseases of endocardium (424.2-424.9)
18600				021	Heart failure (428)
18700				068	Myocarditis, unspecified and myocardial degeneration (429.0-429.1)
18800				072	All other and ill-defined forms of heart disease (425-427,429.2-429.9)
18900	1			034	Cerebrovascular diseases (430-438)
19000				031	Subarachnoid hemorrhage (430)
19100				059	Intracerebral and other intracranial hemorrhage (431-432)
19200				054	Occlusion and stenosis of precerebral arteries (433)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	LEN- GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
19300				082	Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9)
19400				027	Cerebral embolism (434.1)
19500				053	Acute but ill-defined cerebrovascular disease (436)
19600				066	Other and late effects of cerebrovascular diseases (435,437-438)
19700	1			059	Diseases of arteries, arterioles, and capillaries (440-448)
19800				023	Atherosclerosis (440)
19900				023	Aortic aneurysm (441)
20000				071	All other diseases of arteries, arterioles, and capillaries (442-448)
20100	1			084	Diseases of veins and lymphatics, and other diseases of circulatory system (451-459)
20200				075	Phlebitis, thrombophlebitis, and venous embolism and thrombosis (451-453)
20300				095	Other diseases of veins and lymphatics and all other diseases of circulatory system (454-459)
20400	1			061	VIII. Diseases of the respiratory system (460-519)
20500	1			057	Diseases of the upper respiratory tract (460-465,470-478)
20600				046	Acute upper respiratory infections (460-465)
20700				053	Other diseases of upper respiratory tract (470-478)
20800	1			054	Other diseases of the respiratory system (466,480-519)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
20900				042	Acute bronchitis and bronchiolitis (466)
21000	1			021	Pneumonia (480-486)
21100				025	Viral pneumonia (480)
21200				056	Pneumococcal and other bacterial pneumonia (481-482)
21300				048	Bronchopneumonia, organism unspecified (485)
21400				061	Pneumonia due to other and unspecified organism (483,486)
21500				017	Influenza (487)
21600	1			072	Chronic obstructive pulmonary diseases and allied conditions (490-496)
21700	1			071	Bronchitis, chronic and unspecified, emphysema and asthma (490-493)
21800				057	Bronchitis, not specified as acute or chronic (490)
21900				030	Chronic bronchitis (491)
22000				021	Emphysema (492)
22100				018	Asthma (493)
22200				062	Bronchiectasis and extrinsic allergic alveolitis (494-495)
22300				063	Chronic airways obstruction, not elsewhere classified (496)
22400				073	Pneumoconioses and other lung diseases due to external agents (500-508)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
22500				055	Empyema and abscess of lung and mediastinum (510,513)
22600				016	Pleurisy (511)
22700				056	All other diseases of respiratory system (512,514-519)
22800	1			057	IX. Diseases of the digestive system (520-579)
22900				060	Diseases of oral cavity, salivary glands, and jaws (520-529)
23000	1			057	Diseases of other parts of the digestive system (530-579)
23100	1			041	Ulcer of stomach and duodenum (531-533)
23200				023	Gastric ulcer (531)
23300				024	Duodenal ulcer (532)
23400				040	Peptic ulcer, site unspecified (533)
23500				032	Gastritis and duodenitis (535)
23600				024	Appendicitis (540-543)
23700				095	Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)
23800				059	Regional enteritis and idiopathic proctocolitis (555-556)
23900				062	All other noninfective gastroenteritis and colitis (557-558)
24000				032	Diverticula of intestine (562)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
24100	1			043	Chronic liver disease and cirrhosis (571)
24200				077	Chronic liver disease and cirrhosis, specified as alcoholic (571.0-571.3)
24300				057	Chronic hepatitis and biliary cirrhosis (571.4,571.6)
24400				117	Cirrhosis of liver and other and unspecified chronic liver disease without mention of alcohol (571.5,571.8-571.9)
24500				061	Cholelithiasis and other disorders of gallbladder (574-575)
24600				082	All other diseases of digestive system (530,534,536-537,564-570,572-573,576-579)
24700	1			060	X. Diseases of the genitourinary system (580-629)
24800	1			036	Diseases of urinary system (580-599)
24900	1			056	Nephritis, nephrotic syndrome, and nephrosis (580-589)
25000				034	Acute glomerulonephritis (580)
25100				028	Nephrotic syndrome (581)
25200				140	Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587)
25300				120	Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589)
25400				028	Infections of kidney (590)
25500				028	Urinary calculus (592,594)
25600				056	All other diseases of urinary system (591,593,595-599)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
25700	1	1			041 Diseases of male genital organs (600-608)
25800				1	031 Hyperplasia of prostate (600)
25900				1	049 Other diseases of male genital organs (601-608)
26000					029 Disorders of breast (610-611)
26100				2	057 Diseases of female genital organs except breast (614-629)
26200	1	2	2	083	XI. Complications of pregnancy, childbirth, and the puerperium (630-676)
26300	1	2	2	041	Pregnancy with abortive outcome (630-638)
26400				2	025 Ectopic pregnancy (633)
26500				2	028 Spontaneous abortion (634)
26600				2	032 Legally induced abortion (635)
26700				2	034 Illegally induced abortion (636)
26800				2	057 Other pregnancy with abortive outcome (630-632,637-638)
26900	1	2	2	041	Direct obstetric causes (640-646,651-676)
27000				2	054 Hemorrhage of pregnancy and childbirth (640-641,666)
27100				2	040 Toxemia of pregnancy (642.4-642.9,643)
27200				2	024 Obstructed labor (660)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
27300		2	2	043	Complications of the puerperium (670-676)
27400		2	2	077	Other direct obstetric causes (642.0-642.3,644-646,651-659,661-665,667-669)
27500		2	2	035	Indirect obstetric causes (647-648)
27600		2	2	042	Delivery in a completely normal case (650)
27700	1			070	XII. Diseases of the skin and subcutaneous tissue (680-709)
27800				052	Infections of skin and subcutaneous tissue (680-686)
27900				060	All other diseases of skin and subcutaneous tissue (690-709)
28000	1			087	XIII. Diseases of the musculoskeletal system and connective tissue (710-739)
28100				067	Rheumatoid arthritis and other inflammatory polyarthropathies (714)
28200				059	Other arthropathies and related disorders (710-712,715-719)
28300				022	Dorsopathies (720-724)
28400				040	Rheumatism, excluding the back (725-729)
28500				080	Osteopathies, chondropathies, and acquired musculoskeletal deformities (730-739)
28600	1			046	XIV. Congenital anomalies (740-759)
28700				018	Spina bifida (741)
28800				058	All other congenital anomalies of nervous system (740,742)

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282 RECODE	5 T	LIMITED SEX	LEN- AGE	LEN- GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
28900					039 Congenital anomalies of heart (745-746)
29000					054 Other congenital anomalies of circulatory system (747)
29100					048 All other congenital anomalies (743-744,748-759)
29200	1				079 XV. Certain conditions originating in the perinatal period (760-779)
29300					018 Birth trauma (767)
29400					081 Intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (768-769)
29500					070 Other conditions originating in the perinatal period (760-766,770-779)
29600	1				069 XVI. Symptoms, signs, and ill-defined conditions (780-799)
29700					043 Senility without mention of psychosis (797)
29800					067 Symptoms, signs, and other ill-defined conditions (780-796,798-799)
29900	1				093 Supplementary classification of external causes of injury and poisoning (E800-E999)
30000	1				041 Accidents and adverse effects (E800-E949)
30100	1				033 Transport accidents (E800-E848)
30200					033 Railway accidents (E800-E807)
30300	1				039 Motor vehicle accidents (E810-E825)
30400	1				049 Motor vehicle traffic accidents (E810-E819)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
30500			045		Involving collision with train (E810)
30600			066		Involving collision with another motor vehicle (E811-E812)
30700			050		Involving collision with pedestrian (E814)
30800			068		Involving collision with other vehicle or object (E813,E815)
30900			054		Not involving collision on highway (E816-E818)
31000			067		Motor vehicle traffic accident of unspecified nature (E819)
31100			052		Motor vehicle nontraffic accidents (E820-E825)
31200			044		Other road vehicle accidents (E826-E829)
31300			041		Water transport accidents (E830-E838)
31400			049		Air and space transport accidents (E840-E845)
31500			060		Vehicle accidents not elsewhere classifiable (E846-E848)
31600	1		034		Accidental poisoning (E850-E869)
31700			075		Accidental poisoning by drugs, medicaments, and biologicals (E850-E858)
31800			072		Accidental poisoning by other solid or liquid substances (E860-E866)
31900			056		Accidental poisoning by gases and vapors (E867-E869)
32000			091		Misadventures during medical care, abnormal reactions, and late complications (E870-E879)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	LEN- GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
32100	1			030	Accidental falls (E880-E888)
32200				046	Fall from one level to another (E880-E884)
32300				034	Fall on same level (E885-E886)
32400				076	Fracture, cause unspecified, and other and unspecified falls (E887-E888)
32500				049	Accidents caused by fire and flames (E890-E899)
32600	1			053	Other accidents, including late effects (E900-E929)
32700				020	Lightning (E907)
32800				045	Accidental drowning and submersion (E910)
32900				120	Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)
33000				039	Accident caused by handgun (E922.0)
33100				074	Accidents caused by all other and unspecified firearms (E922.1-E922.9)
33200				048	Accident caused by explosive material (E923)
33300				123	Accident caused by hot substance or object, caustic or corrosive material, steam, and exposure to radiation (E924,E926)
33400				046	Accident caused by electric current (E925)
33500				103	All other accidents and late effects of accidental injury (E900-E906,E908-E909,E913-E921,E927-E929)
33600				102	Drugs, medicaments, and biological substances causing adverse effects in therapeutic use (E930-E949)

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33700	1		019	Suicide (E950-E959)
33800			064	Suicide by drugs, medicaments, and biologicals (E950.0-E950.5)
33900			061	Suicide by other solid or liquid substances (E950.6-E950.9)
34000			041	Suicide by gases and vapors (E951-E952)
34100			059	Suicide by hanging, strangulation, and suffocation (E953)
34200			029	Suicide by handgun (E955.0)
34300			063	Suicide by all other and unspecified firearms (E955.1-E955.4)
34400			089	Suicide by all other means and late effects of self-inflicted injury (E954,E955.5-E959)
34500	1		043	Homicide and legal intervention (E960-E978)
34600			029	Assault by handgun (E965.0)
34700			063	Assault by all other and unspecified firearms (E965.1-E965.4)
34800			051	Assault by cutting and piercing instrument (E966)
34900			127	Assault by all other means and late effects of injury purposely inflicted by other person (E960-E964,E965.5-E965.9,E967-E969)
35000			024	Legal execution (E978)
35100			091	Other legal intervention and late effects of injury due to legal intervention (E970-E977)
35200	1		075	Injury undetermined whether accidentally or purposely inflicted (E980-E989)

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282 RECODE	S T	LIMITED SEX	LEN- AGE	CAUSE TITLE AND ICD-9 CODES INCLUDED
35300			C71	From poisoning by drugs, medicaments, and biologicals (E980.0-E980.6)
35400			088	From poisoning by other solid or liquid substances (E980.6-E980.9)
35500			033	From injury by handgun (E985.0)
35600			067	From injury by all other and unspecified firearms (E985.1-E985.4)
35700			141	From injury by all other means and late effects of injury, undetermined whether accidentally or purposely inflicted (E981-E984, E985.5-E989)
35800			051	Injury resulting from operations of war (E990-E999)

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72 RECODE	S T	LIMITED SEX	LEN- AGE	CAUSE TITLE AND ICD-9 CODES INCLUDED
010				035 Shigellosis and amebiasis (004,006)
020				045 Certain other intestinal infections (007-009)
030	1			022 Tuberculosis (010-018)
040				046 Tuberculosis of respiratory system (010-012)
050				030 Other tuberculosis (013-018)
060				020 Whooping cough (033)
070				063 Streptococcal sore throat, scarlatina, and erysipelas (034-035)
080				029 Meningococcal infection (036)
090		3		016 Septicemia (038)
100				025 Acute poliomyelitis (045)
110				013 Measles (055)
120				021 Viral hepatitis (070)
130				018 Syphilis (090-097)
140				109 All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,046-054,056-066,071-088,098-139)
150	1			089 Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)
160				064 Malignant neoplasms of lip, oral cavity, and pharynx (140-149)

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72 RECODE	S T	LIMITED SEX	LEN- AGE	LEN- GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
170				068	Malignant neoplasms of digestive organs and peritoneum (150-159)
180				071	Malignant neoplasms of respiratory and intrathoracic organs (160-165)
190				040	Malignant neoplasm of breast (174-175)
200				049	Malignant neoplasms of genital organs (179-187)
210				049	Malignant neoplasms of urinary organs (188-189)
220				074	Malignant neoplasms of all other and unspecified sites (170-173, 190-199)
230				020	Leukemia (204-208)
240				076	Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203)
250				108	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)
260				023	Diabetes mellitus (250)
270				034	Nutritional deficiencies (260-269)
280				017	Anemias (280-285)
290				020	Meningitis (320-322)
300	1			039	Major cardiovascular diseases (390-448)
310	1			041	Diseases of heart (390-398, 402, 404-429)
320				057	Rheumatic fever and rheumatic heart disease (390-398)

ST: 1 = SUBTOTAL; LIMITED: SEX: 1 = MALES; 2 = FEMALES; AGE: 1 = 5 & OVER; 2 = 10-54; 3 = 28 DAYS & OVER; LENGTH = OF CAUSE TITLE

***** CAUSE SUBTOTALS ARE NOT IDENTIFIED IN THE MORTALITY DATA TAPES *****

72 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
330				036	Hypertensive heart disease (402)
340				046	Hypertensive heart and renal disease (404)
350	1			036	Ischemic heart disease (410-414)
360				039	Acute myocardial infarction (410)
370				068	Other acute and subacute forms of ischemic heart disease (411)
380				027	Angina pectoris (413)
390				091	Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)
400				039	Other diseases of endocardium (424)
410				054	All other forms of heart disease (415-423,425-429)
420				054	Hypertension with or without renal disease (401,403)
430	1			036	Cerebrovascular diseases (430-438)
440				061	Intracerebral and other intracranial hemorrhage (431-432)
450				084	Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9)
460				029	Cerebral embolism (434.1)
470				076	All other and late effects of cerebrovascular diseases (430,433,435-438)
480				023	Atherosclerosis (440)

***** CAUSE SUBTOTALS ARE NOT IDENTIFIED IN THE MORTALITY DATA TAPES *****

72 RECODE	S T	LIMITED SEX	LEN- AGE	CAUSE TITLE AND ICD-9 CODES INCLUDED
490			067	Other diseases of arteries, arterioles, and capillaries (441-448)
500			040	Acute bronchitis and bronchiolitis (466)
510	1		033	Pneumonia and influenza (480-487)
520			021	Pneumonia (480-486)
530			017	Influenza (487)
540	1		070	Chronic obstructive pulmonary diseases and allied conditions (490-496)
550			047	Bronchitis, chronic and unspecified (490-491)
560			017	Emphysema (492)
570			014	Asthma (493)
580			078	Other chronic obstructive pulmonary diseases and allied conditions (494-496)
590			039	Ulcer of stomach and duodenum (531-533)
600			022	Appendicitis (540-543)
610			093	Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)
620			041	Chronic liver disease and cirrhosis (571)
630			059	Cholelithiasis and other disorders of gallbladder (574-575)
640	1		054	Nephritis, nephrotic syndrome, and nephrosis (580-589)

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***** CAUSE SUBTOTALS ARE NOT IDENTIFIED IN THE MORTALITY DATA TAPES *****

72 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
650					059 Acute glomerulonephritis and nephrotic syndrome (580-581)
660					138 Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587)
670					118 Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586, 588-589)
680					026 Infections of kidney (590)
690		1			029 Hyperplasia of prostate (600)
700	1	2	2		068 Complications of pregnancy, childbirth, and the puerperium (630-676)
710		2	2		043 Pregnancy with abortive outcome (630-638)
720		2	2		076 Other complications of pregnancy, childbirth, and the puerperium (640-676)
730					030 Congenital anomalies (740-759)
740	1				064 Certain conditions originating in the perinatal period (760-779)
750					097 Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769)
760					072 Other conditions originating in the perinatal period (760-766,770-779)
770					053 Symptoms, signs, and ill-defined conditions (780-799)
780					029 All other diseases (Residual)
790	1				041 Accidents and adverse effects (E800-E949)
800					037 Motor vehicle accidents (E810-E825)

ST: 1 = SURTOTAL; LIMITED: SEX: 1 = MALES; 2 = FEMALES; AGE: 1 = 5 & OVER; 2 = 10-54; 3 = 28 DAYS & OVER; LENGTH = OF CAUSE TITLE

***** CAUSE SUBTOTALS ARE NOT IDENTIFIED IN THE MORTALITY DATA TAPES *****

72 RECODE	S T	LIMITED SEX	LEN- AGE	LEN- 9TH	CAUSE TITLE AND ICD-9 CODES INCLUDED
810				063	All other accidents and adverse effects (E800-E807,E826-E949)
820		1		019	Suicide (E950-E959)
830				043	Homicide and legal intervention (E960-E978)
840				037	All other external causes (E980-E999)

***** CAUSE SUBTOTALS ARE NOT IDENTIFIED IN THE MORTALITY DATA TAPES *****

61 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
010					039 Certain intestinal infections (008-009)
020					020 Whooping cough (033)
030					029 Meningococcal infection (036)
040	3				016 Septicemia (038)
050					024 Viral diseases (045-079)
060					025 Congenital syphilis (090)
070					100 Remainder of infectious and parasitic diseases (001-007,010-032,034-035,037,039-041,080-088,091-139)
080					089 Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)
090					108 Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)
100					030 Diseases of thymus gland (254)
110					023 Cystic fibrosis (277.0)
120					052 Diseases of blood and blood-forming organs (280-289)
130					020 Meningitis (320-322)
140					059 Other diseases of nervous system and sense organs (323-389)
150					044 Acute upper respiratory infections (460-465)
160					042 Bronchitis and bronchiolitis (466,490-491)

***** CAUSE SUBTOTALS ARE NOT IDENTIFIED IN THE MORTALITY DATA TAPES *****

61 RECODE	S T	LIMITED SEX	LEN- AGE	CAUSE TITLE AND ICD-9 CODES INCLUDED
170	1		033	Pneumonia and influenza (480-487)
180			021	Pneumonia (480-486)
190			017	Influenza (487)
200			061	Remainder of diseases of respiratory system (470-478,492-519)
210			093	Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)
220			075	Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)
230			067	Remainder of diseases of digestive system (520-534,536-543,562-579)
240	1		030	Congenital anomalies (740-759)
250			042	Anencephalus and similar anomalies (740)
260			020	Spina bifida (741)
270			034	Congenital hydrocephalus (742.3)
280			092	Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)
290			041	Congenital anomalies of heart (745-746)
300			056	Other congenital anomalies of circulatory system (747)
310			050	Congenital anomalies of respiratory system (748)
320			052	Congenital anomalies of digestive system (749-751)

NCHS 9-TH REVISION 61 CAUSES OF DEATH USED FOR TABULATION AND PUBLICATION

ST: 1 = SUBTOTAL; LIMITED: SEX: 1 = MALES; 2 = FEMALES; AGE: 1 = 5 & OVER; 2 = 10-54; 3 = 28 DAYS & OVER; LENGTH = OF CAUSE TITLE

***** CAUSE SUBTOTALS ARE NOT IDENTIFIED IN THE MORTALITY DATA TAPES *****

61 RECODE	S T	LIMITED SEX	LEN- AGE	CAUSE TITLE AND ICD-9 CODES INCLUDED
330			056	Congenital anomalies of genitourinary system (752-753)
340			058	Congenital anomalies of musculoskeletal system (754-756)
350			025	Down's syndrome (758.0)
360			043	Other chromosomal anomalies (758.1-758.9)
370			062	All other and unspecified congenital anomalies (744,757,759)
380	1		064	Certain conditions originating in the perinatal period (760-779)
390			091	Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)
400			063	Newborn affected by maternal complications of pregnancy (761)
410			074	Newborn affected by complications of placenta, cord, and membranes (762)
420			069	Newborn affected by other complications of labor and delivery (763)
430			048	Slow fetal growth and fetal malnutrition (764)
440			077	Disorders relating to short gestation and unspecified low birthweight (765)
450			065	Disorders relating to long gestation and high birthweight (766)
460			020	Birth trauma (767)
470	1		047	Intrauterine hypoxia and birth asphyxia (768)
480			051	Fetal distress in liveborn infant (768.2-768.4)

ST: 1 = SUBTOTAL; LIMITED: SEX: 1 = MALES; 2 = FEMALES; AGE: 1 = 5 & OVER; 2 = 10-54; 3 = 28 DAYS & OVER; LENGTH = OF CAUSE TITLE

***** CAUSE SUBTOTALS ARE NOT IDENTIFIED IN THE MORTALITY DATA TAPES *****

61 RECODE	S T	LIMITED SEX	LEN- AGE	LEN- GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
490				032	Birth asphyxia (768.5-768.9)
500				037	Respiratory distress syndrome (769)
510				047	Other respiratory conditions of newborn (770)
520				051	Infections specific to the perinatal period (771)
530				027	Neonatal hemorrhage (772)
540				094	Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)
550				088	Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)
560				040	Hemorrhagic disease of newborn (776.0)
570				098	All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)
580	1			053	Symptoms, signs, and ill-defined conditions (780-799)
590				038	Sudden infant death syndrome (798.0)
600				075	Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)
610	1			041	Accidents and adverse effects (E800-E949)
620				118	Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)
630				042	Accidental mechanical suffocation (E913)
640				067	Other accidental causes and adverse effects (E800-E910,E914-E949)

NCHS 9-TH REVISION 61 CAUSES OF DEATH USED FOR TABULATION AND PUBLICATION

ST: 1 = SUBTOTAL; LIMITED: SEX: 1 = MALES; 2 = FEMALES; AGE: 1 = 5 & OVER; 2 = 10-54; 3 = 28 DAYS & OVER; LENGTH = OF CAUSE TITLE

***** CAUSE SUBTOTALS ARE NOT IDENTIFIED IN THE MORTALITY DATA TAPES *****

61 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
650	1				020 Homicide (E960-E969)
660					047 Child battering and other maltreatment (E967)
670					038 Other homicide (E960-E966,E968-E969)
680					027 All other causes (Residual)

ST: 1 = SUBTOTAL; LIMITED: SEX: 1 = MALES; 2 = FEMALES; AGE: 1 = 5 & OVER; 2 = 10-54; 3 = 28 DAYS & OVER; LENGTH = OF CAUSE TITLE

***** CAUSE SUBTOTALS ARE NOT IDENTIFIED IN THE MORTALITY DATA TAPES *****

34 RECODE	S T	LIMITED SEX	LEN- AGE	LEN- GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
010					022 Tuberculosis (010-018)
020					018 Syphilis (090-097)
030					071 Residual of infectious and parasitic diseases (001-009,020-088,098-139)
040	1				089 Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)
050					066 Malignant neoplasms of digestive organs and peritoneum (150-159)
060					071 Malignant neoplasms of respiratory and intrathoracic organs (160-165)
070					040 Malignant neoplasm of breast (174-175)
080					049 Malignant neoplasms of genital organs (179-187)
090					049 Malignant neoplasms of urinary organs (188-189)
100					020 Leukemia (204-208)
110					053 Other malignant neoplasms (140-149,170-173,190-203)
120					023 Diabetes mellitus (250)
130	1				039 Major cardiovascular diseases (390-448)
140	1				041 Diseases of heart (390-398,402,404-429)
150					057 Rheumatic fever and rheumatic heart disease (390-398)
160					070 Hypertensive heart disease with or without renal disease (402,404)

NCHS 9-TH REVISION 34 CAUSES OF DEATH USED FOR TABULATION AND PUBLICATION

ST: 1 = SUBTOTAL; LIMITED: SEX: 1 = MALES; 2 = FEMALES; AGE: 1 = 5 & OVER; 2 = 10-54; 3 = 28 DAYS & OVER; LENGTH = OF CAUSE TITLE

***** CAUSE SUBTOTALS ARE NOT IDENTIFIED IN THE MORTALITY DATA TAPES *****

34 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
170				036	Ischemic heart disease (410-414)
180				034	Other heart diseases (415-429)
190				054	Hypertension with or without renal disease (401,403)
200				036	Cerebrovascular diseases (430-438)
210				023	Atherosclerosis (440)
220				067	Other diseases of arteries, arterioles, and capillaries (441-448)
230				033	Pneumonia and influenza (480-487)
240				070	Chronic obstructive pulmonary diseases and allied conditions (490-496)
250				039	Ulcer of stomach and duodenum (531-533)
260				041	Chronic liver disease and cirrhosis (571)
270				054	Nephritis, nephrotic syndrome, and nephrosis (580-589)
280	2	2		068	Complications of pregnancy, childbirth, and the puerperium (630-676)
290				030	Congenital anomalies (740-759)
300				064	Certain conditions originating in the perinatal period (760-779)
310				053	Symptoms, signs, and ill-defined conditions (780-799)
320				029	All other diseases (Residual)

ST: 1 = SUBTOTAL; LIMITED: SEX: 1 = MALES; 2 = FEMALES; AGE: 1 = 5 & OVER; 2 = 10-54; 3 = 28 DAYS & OVER; LENGTH = OF CAUSE TITLE

***** CAUSE SUBTOTALS ARE NOT IDENTIFIED IN THE MORTALITY DATA TAPES *****

34 RECODE	S T	LIMITED SEX	LEN- AGE	CAUSE TITLE AND ICD-9 CODES INCLUDED
330				035 Motor vehicle accidents (E810-E825)
340				061 All other accidents and adverse effects (E800-E807,E826-E949)
350	1			019 Suicide (E950-E959)
360				043 Homicide and legal intervention (E960-E978)
370				037 All other external causes (E980-E999)

NCHS 9-TH REVISION 61 CAUSES OF DEATH USED FOR TABULATION AND PUBLICATION

ST: 1 = SUBTOTAL; LIMITED: SEX: 1 = MALES; 2 = FEMALES; AGE: 1 = 5 & OVER; 2 = 10-54; 3 = 28 DAYS & OVER; LENGTH = OF CAUSE TITLE

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61 RECODE	S T	LIMITED SEX	LEN- AGE	LEN- GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
010					039 Certain intestinal infections (008-009)
020					020 Whooping cough (033)
030					029 Meningococcal infection (036)
040	3				016 Septicemia (038)
050					024 Viral diseases (045-079)
060					025 Congenital syphilis (090)
070					100 Remainder of infectious and parasitic diseases (001-007,010-032,034-035,037,039-041,080-088,091-139)
080					089 Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)
090					108 Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239)
100					030 Diseases of thymus gland (254)
110					023 Cystic fibrosis (277.0)
120					052 Diseases of blood and blood-forming organs (280-289)
130					020 Meningitis (320-322)
140					059 Other diseases of nervous system and sense organs (323-389)
150					044 Acute upper respiratory infections (460-465)
160					042 Bronchitis and bronchiolitis (466,490-491)

ST: 1 = SUBTOTAL; LIMITED: SEX: 1 = MALES; 2 = FEMALES; AGE: 1 = 5 & OVER; 2 = 10-54; 3 = 28 DAYS & OVER; LENGTH = OF CAUSE TITLE

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61 RECODE	S T	LIMITED SEX	LEN- AGE	GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
170		1			033 Pneumonia and influenza (480-487)
180					021 Pneumonia (480-486)
190					017 Influenza (487)
200					061 Remainder of diseases of respiratory system (470-478,492-519)
210					093 Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560)
220					075 Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)
230					067 Remainder of diseases of digestive system (520-534,536-543,562-579)
240		1			030 Congenital anomalies (740-759)
250					042 Anencephalus and similar anomalies (740)
260					020 Spina bifida (741)
270					034 Congenital hydrocephalus (742.3)
280					092 Other congenital anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)
290					041 Congenital anomalies of heart (745-746)
300					056 Other congenital anomalies of circulatory system (747)
310					050 Congenital anomalies of respiratory system (748)
320					052 Congenital anomalies of digestive system (749-751)

ST: 1 = SUBTOTAL; LIMITED: SEX: 1 = MALES; 2 = FEMALES; AGE: 1 = 5 & OVER; 2 = 10-54; 3 = 28 DAYS & OVER; LENGTH = OF CAUSE TITLE

***** CAUSE SUBTOTALS ARE NOT IDENTIFIED IN THE MORTALITY DATA TAPES *****

61 RECODE	S T	LIMITED SEX	LEN- AGE	LEN- GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
330				056	Congenital anomalies of genitourinary system (752-753)
340				058	Congenital anomalies of musculoskeletal system (754-756)
350				025	Down's syndrome (758.0)
360				043	Other chromosomal anomalies (758.1-758.9)
370				062	All other and unspecified congenital anomalies (744,757,759)
380	1			064	Certain conditions originating in the perinatal period (760-779)
390				091	Newborn affected by maternal conditions which may be unrelated to present pregnancy (760)
400				063	Newborn affected by maternal complications of pregnancy (761)
410				074	Newborn affected by complications of placenta, cord, and membranes (762)
420				069	Newborn affected by other complications of labor and delivery (763)
430				048	Slow fetal growth and fetal malnutrition (764)
440				077	Disorders relating to short gestation and unspecified low birthweight (765)
450				065	Disorders relating to long gestation and high birthweight (766)
460				020	Birth trauma (767)
470	1			047	Intrauterine hypoxia and birth asphyxia (768)
480				051	Fetal distress in liveborn infant (768.2-768.4)

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61 RECODE	S T	LIMITED SEX	LEN- AGE	LEN- GTH	CAUSE TITLE AND ICD-9 CODES INCLUDED
490				032	Birth asphyxia (768.5-768.9)
500				037	Respiratory distress syndrome (769)
510				047	Other respiratory conditions of newborn (770)
520				051	Infections specific to the perinatal period (771)
530				027	Neonatal hemorrhage (772)
540				094	Hemolytic disease of newborn, due to isoimmunization, and other perinatal jaundice (773-774)
550				088	Syndrome of "infant of a diabetic mother" and neonatal diabetes mellitus (775.0-775.1)
560				040	Hemorrhagic disease of newborn (776.0)
570				098	All other and ill-defined conditions originating in the perinatal period (775.2-775.9,776.1-779)
580	1			053	Symptoms, signs, and ill-defined conditions (780-799)
590				038	Sudden infant death syndrome (798.0)
600				075	Symptoms, signs, and all other ill-defined conditions (780-797,798.1-799)
610	1			041	Accidents and adverse effects (E800-E949)
620				118	Inhalation and ingestion of food or other object causing obstruction of respiratory tract or suffocation (E911-E912)
630				042	Accidental mechanical suffocation (E913)
640				067	Other accidental causes and adverse effects (E800-E910,E914-E949)

NCHS 9-TH REVISION 61 CAUSES OF DEATH USED FOR TABULATION AND PUBLICATION

ST: 1 = SUBTOTAL; LIMITED: SEX: 1 = MALES; 2 = FEMALES; AGE: 1 = 5 & OVER; 2 = 10-54; 3 = 28 DAYS & OVER; LENGTH = OF CAUSE TITLE

***** CAUSE SUBTOTALS ARE NOT IDENTIFIED IN THE MORTALITY DATA TAPES *****

61 RECODE	S T	LIMITED SEX	LEN- AGE	CAUSE TITLE AND ICD-9 CODES INCLUDED
650	1		020	Homicide (E960-E969)
660			047	Child battering and other maltreatment (E967)
670			038	Other homicide (E960-E966,E968-E969)
680			027	All other causes (Residual)

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

NUMBER OF RESIDENT DEATHS TABULATED BY UNDERLYING CAUSE OF DEATH FROM TWO DIFFERENT FILES
 BY ICD-9 CATEGORY: UNITED STATES, 1981
 (ONLY THOSE CATEGORIES WITH A DIFFERENCE ARE PRINTED)

ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS			ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS			ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS		
	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
0010	2	4	2	0188	1	-	-1	0490	7	10	3
0019	1	-	-1	0189	184	185	1	0499	154	147	-7
0020	2	1	-1	0202	1	-	-1	052	84	88	4
0021	1	2	1	0239	1	2	1	0531	18	19	1
0030	35	30	-5	0270	73	71	-2	0532	6	9	3
0031	46	50	4	0310	64	73	9	0539	144	159	15
0032	7	9	2	0319	19	24	5	0542	1	-	-1
0039	16	12	-4	0339	6	4	-2	0543	196	188	-8
0049	11	12	1	0340	4	6	2	0545	10	11	1
0063	6	7	1	0341	3	2	-1	0547	10	12	2
0065	2	1	-1	035	6	5	-1	0549	54	51	-3
0069	6	8	2	0360	160	168	8	0550	2	4	2
0071	2	3	1	0362	232	217	-15	0700	9	8	-1
0080	2	1	-1	0363	64	56	-8	0701	84	80	-4
0083	1	-	-1	0369	3	4	1	0702	39	37	-2
0084	18	16	-2	037	31	27	-4	0703	320	308	-12
0086	1	-	-1	0380	125	129	4	0705	2	1	-1
0088	150	148	-2	0381	514	481	-33	0706	45	50	5
0090	179	194	15	0382	118	116	-2	0709	363	346	-17
0092	10	9	-1	0383	43	49	6	071	1	2	1
0109	1	-	-1	0384	1419	1430	11	0742	7	6	-1
0110	1	2	1	0388	98	78	-20	075	16	13	-3
0112	98	89	-9	0389	8126	8111	-15	0781	2	-	-2
0113	21	22	1	0391	26	33	7	0785	56	64	8
0114	73	62	-11	0398	15	14	-1	0788	58	56	-2
0115	9	8	-1	0399	13	12	-1	0798	7	6	-1
0116	182	190	8	0400	98	105	7	0799	279	295	16
0117	7	9	2	0402	5	4	-1	0820	30	36	6
0118	9	13	4	0408	63	72	9	0839	2	-	-2
0119	1160	1095	-65	0410	14	13	-1	0840	2	1	-1
0120	22	21	-1	0411	35	37	2	0902	1	-	-1
0121	1	-	-1	0412	8	14	6	0904	6	2	-4
0128	1	-	-1	0413	4	6	2	0909	6	8	2
0130	44	43	-1	0414	9	8	-1	0930	8	10	2
0138	4	3	-1	0415	15	6	-9	0931	15	18	3
014	16	14	-2	0416	10	7	-3	0932	14	13	-1
0150	41	45	4	0417	38	40	2	0938	12	9	-3
0151	1	-	-1	0418	34	37	3	0939	6	5	-1
0160	9	7	-2	0419	28	26	-2	0940	11	13	2
0170	31	29	-2	0461	170	166	-4	0941	12	9	-3
0172	3	2	-1	0462	16	18	2	0942	1	2	1
0173	1	2	1	0463	22	27	5	0948	6	5	-1
0176	3	4	1	0479	38	33	-5	0949	15	19	4
0178	9	11	2	048	28	31	3	0970	12	9	-3

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY UNDERLYING CAUSE OF DEATH FROM TWO DIFFERENT FILES
BY ICD-9 CATEGORY: UNITED STATES, 1981
(ONLY THOSE CATEGORIES WITH A DIFFERENCE ARE PRINTED)

ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS			ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS			ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS		
	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
0979	6	5	-1	1412	2	1	-1	1514	2	3	1
0991	1	-	-1	1416	29	14	-15	1518	5	4	-1
1009	3	5	2	1418	1	-	-1	1519	13977	13992	15
101	2	3	1	1419	1655	1689	34	1520	280	263	-17
1100	1	-	-1	1420	489	492	3	1522	98	97	-1
1124	38	36	-2	1421	49	34	-15	1529	339	333	-6
1125	163	204	41	1429	74	76	2	1530	86	68	-18
1128	24	26	2	1430	36	30	-6	1531	528	545	17
1129	62	50	-12	1431	87	95	8	1532	596	605	9
114	68	81	13	1439	66	60	-6	1533	2512	2495	-17
1150	11	17	6	1440	4	5	1	1534	1820	1785	-35
1159	42	35	-7	1449	532	516	-16	1535	74	68	-6
1160	33	36	3	1450	45	36	-9	1536	1244	1238	-6
1171	1	-	-1	1452	25	28	3	1537	74	70	-4
1173	114	121	7	1453	113	102	-11	1538	10	6	-4
1175	129	128	-1	1454	16	15	-1	1539	37622	37450	-172
1177	31	29	-2	1455	157	150	-7	1540	1327	1347	20
1179	107	116	9	1456	39	38	-1	1541	7097	7053	-44
1201	1	2	1	1458	2	1	-1	1542	12	10	-2
1209	6	8	2	1459	872	873	1	1543	176	212	36
1229	3	2	-1	1460	607	586	-21	1548	71	74	3
1231	8	10	2	1461	53	49	-4	1550	2521	2467	-54
1270	1	-	-1	1468	2	1	-1	1552	2840	2927	87
1280	2	-	-2	1469	395	411	16	1560	2277	2285	8
1289	1	2	1	1471	14	11	-3	1561	1305	1299	-6
129	6	10	4	1472	1	-	-1	1562	305	306	1
130	8	6	-2	1479	648	657	9	1569	441	432	-9
1349	2	3	1	1480	4	5	1	1570	1216	1204	-12
135	324	330	6	1481	269	255	-14	1571	80	79	-1
1362	2	-	-2	1482	3	5	2	1572	81	71	-10
1363	178	170	-8	1489	371	381	10	1573	4	5	1
1368	4	3	-1	1490	1437	1429	-8	1574	105	118	13
1369	251	243	-8	1498	1	-	-1	1578	2	1	-1
1370	281	286	5	1500	34	32	-2	1579	20304	20406	102
1374	4	3	-1	1501	6	4	-2	1580	391	395	4
138	95	100	5	1502	1	-	-1	1588	55	54	-1
1390	5	2	-3	1504	44	48	4	1589	136	126	-10
1398	31	27	-4	1505	127	122	-5	1590	1621	1593	-28
1400	4	3	-1	1508	1	-	-1	1591	13	11	-2
1401	29	31	2	1509	7847	7999	152	1598	8	3	-5
1403	1	-	-1	1510	383	397	14	1599	530	560	30
1404	1	2	1	1511	10	7	-3	1601	11	12	1
1409	114	125	11	1512	24	29	5	1602	274	280	6
1410	228	219	-9	1513	26	29	3	1603	47	53	6

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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NUMBER OF RESIDENT DEATHS TABULATED BY UNDERLYING CAUSE OF DEATH FROM TWO DIFFERENT FILES
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(ONLY THOSE CATEGORIES WITH A DIFFERENCE ARE PRINTED)

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	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
1604	17	12	-5	1726	130	146	16	1892	294	278	-16
1605	15	13	-2	1729	4160	4192	32	1893	147	149	2
1609	77	63	-14	1730	17	11	-6	1898	2	1	-1
1611	200	190	-10	1731	12	9	-3	1899	39	41	2
1612	5	6	1	1732	152	141	-11	1905	31	28	-3
1613	3	2	-1	1733	268	274	6	1906	3	4	1
1619	3271	3257	-14	1734	565	560	-5	1907	4	5	1
1620	156	161	5	1735	73	67	-6	1909	167	173	6
1622	187	189	2	1736	39	50	11	1910	553	597	44
1623	1450	1488	38	1737	55	57	2	1911	339	333	-6
1624	88	83	-5	1739	333	330	-3	1912	227	234	7
1625	509	520	11	1740	6	7	1	1913	227	248	21
1628	5	4	-1	1742	1	-	-1	1914	36	24	-12
1629	104166	104040	-126	1746	2	3	1	1915	32	30	-2
1630	6	7	1	1748	2	-	-2	1917	190	193	3
1639	345	353	8	1749	36472	36564	92	1918	73	74	1
1640	79	86	7	175	254	258	4	1919	7172	7130	-42
1641	49	65	16	179	2847	2821	-26	1920	15	18	3
1643	3	2	-1	1808	6	5	-1	1921	128	136	8
1649	228	235	7	1809	4742	4736	-6	1922	94	86	-8
1659	8	9	1	1820	3036	3097	61	1923	1	2	1
1700	91	83	-8	1830	10858	10865	7	1929	53	49	-4
1701	95	90	-5	1832	140	137	-3	193	1006	940	-66
1702	79	85	6	1838	4	5	1	1940	543	553	10
1703	21	22	1	1839	4	3	-1	1941	11	13	2
1704	34	37	3	1840	364	350	-14	1943	38	36	-2
1705	1	-	-1	1841	10	8	-2	1945	5	2	-3
1706	88	85	-3	1843	5	4	-1	1946	17	19	2
1707	125	135	10	1844	541	560	19	1948	1	-	-1
1708	2	1	-1	1848	15	13	-2	1949	4	6	2
1709	573	586	13	1849	59	60	1	1950	895	859	-36
1710	59	57	-2	185	23370	23377	7	1951	211	214	3
1712	62	67	5	1869	425	426	1	1952	1264	1256	-8
1713	269	257	-12	1871	1	-	-1	1953	341	349	8
1714	69	78	9	1874	177	169	-8	1954	13	9	-4
1715	135	139	4	1876	6	9	3	1955	47	53	6
1716	97	89	-8	1877	19	15	-4	1958	39	33	-6
1717	16	14	-2	1879	14	13	-1	1990	3018	3165	147
1718	2	3	1	1880	3	1	-2	1991	24423	24453	30
1719	1883	1852	-31	1881	2	1	-1	2000	2618	2577	-41
1720	2	3	1	1887	10	9	-1	2001	2084	2068	-16
1723	65	67	2	1889	9796	9761	-35	2002	116	108	-8
1724	99	95	-4	1890	7576	7578	2	2012	5	3	-2
1725	283	299	16	1891	126	141	15	2014	4	5	1

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	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
2015	34	42	8	2116	14	16	2	2367	1	2	1
2016	16	15	-1	2117	14	17	3	2369	2	4	2
2017	38	37	-1	2118	2	1	-1	2370	64	60	-4
2019	1899	1839	-60	2121	5	7	2	2371	10	12	2
2020	247	249	2	2123	17	20	3	2375	30	29	-1
2021	142	136	-6	2124	2	4	2	2377	49	52	3
2022	14	20	6	2125	1	2	1	2380	10	8	-2
2023	67	65	-2	2127	23	21	-2	2381	19	18	-1
2024	145	150	5	2130	2	3	1	2383	5	7	2
2028	7064	7076	12	214	9	11	2	2384	313	307	-6
2029	82	71	-11	2150	1	-	-1	2385	1	-	-1
2030	6679	6681	2	2155	2	-	-2	2386	38	39	1
2031	28	32	4	2156	1	-	-1	2387	548	523	-25
2038	22	27	5	2159	19	7	-12	2388	8	6	-2
2040	1372	1341	-31	2169	25	20	-5	2389	47	48	1
2041	2881	2844	-37	218	20	25	5	2390	290	310	20
2042	10	9	-1	2199	4	3	-1	2391	337	335	-2
2049	464	461	-3	220	19	22	3	2394	35	36	1
2050	4859	4902	43	2210	1	-	-1	2395	89	79	-10
2051	2023	2067	44	2230	4	3	-1	2396	2223	2213	-10
2052	52	57	5	2250	120	127	7	2397	143	136	-7
2053	14	17	3	2251	64	58	-6	2398	218	229	11
2058	2	3	1	2252	698	706	8	2399	85	81	-4
2059	438	416	-22	2253	6	2	-4	2409	22	25	3
2060	246	239	-7	2270	40	45	5	2410	4	3	-1
2061	12	10	-2	2271	14	12	-2	2411	1	-	-1
2062	2	3	1	2273	122	125	3	2419	3	4	1
2068	1	-	-1	2279	1	-	-1	2420	25	23	-2
2069	52	56	4	2280	43	45	2	2423	3	1	-2
2070	225	231	6	2281	41	47	6	2429	124	125	1
2072	10	8	-2	2298	3	4	1	243	6	10	4
2078	76	74	-2	2299	11	10	-1	2448	1	2	1
2080	2015	2054	39	2310	1	-	-1	2449	545	569	24
2081	143	134	-9	2312	1	2	1	2450	3	4	1
2082	17	21	4	2320	1	-	-1	2459	2	3	1
2088	68	67	-1	2330	1	-	-1	2461	1	-	-1
2089	1290	1300	10	2349	1	-	-1	2468	2	3	1
2102	4	2	-2	2352	71	72	1	2500	26481	26441	-40
2105	1	-	-1	2353	12	15	3	2501	1691	1707	16
2110	5	3	-2	2354	8	9	1	2503	2107	2225	118
2112	7	4	-3	2355	5	9	4	2505	195	197	2
2113	39	32	-7	2358	6	4	-2	2506	2209	2320	111
2114	7	5	-2	2361	1	-	-1	2507	611	651	40
2115	9	10	1	2362	8	12	4	2509	73	77	4

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
2510	38	41	3	2718	5	8	3	280	83	76	-7
2512	123	125	2	2719	2	1	-1	2810	120	129	9
2515	15	16	1	2720	75	79	4	2812	24	30	6
2518	2	3	1	2721	12	11	-1	2813	3	5	2
2519	1	2	1	2722	6	4	-2	2818	5	6	1
2520	62	69	7	2723	2	3	1	2819	64	50	-14
2529	5	4	-1	2724	148	141	-7	2820	6	5	-1
2530	13	16	3	2727	35	39	4	2822	2	3	1
2532	63	61	-2	2728	5	7	2	2824	28	30	2
2533	2	-	-2	2730	2	1	-1	2826	295	279	-16
2535	18	15	-3	2731	16	18	2	2829	151	142	-9
2536	53	64	11	2732	87	88	1	2830	105	99	-6
2539	8	10	2	2733	182	185	3	2831	28	26	-2
2550	41	40	-1	2738	107	108	1	2839	20	19	-1
2551	4	2	-2	2739	13	16	3	2840	34	28	-6
2553	5	2	-3	2740	27	28	1	2848	320	322	2
2554	184	180	-4	2741	31	30	-1	2849	784	750	-34
2564	1	2	1	2749	72	76	4	2850	164	155	-9
2589	2	4	2	2750	131	129	-2	2851	14	16	2
2592	17	18	1	2751	14	11	-3	2858	40	34	-6
2594	56	60	4	2753	14	17	3	2859	988	1017	29
2598	8	7	-1	2754	118	109	-9	2860	32	35	3
261	228	242	14	2760	100	119	19	2863	40	45	5
262	7	5	-2	2761	109	114	5	2865	5	4	-1
2639	1945	1933	-12	2762	693	724	31	2866	588	596	8
2649	1	2	1	2763	13	10	-3	2867	4	3	-1
2662	9	5	-4	2765	1965	1969	4	2869	205	204	-1
2669	1	2	1	2766	21	24	3	2870	16	21	5
267	3	4	1	2767	155	151	-4	2871	6	4	-2
2681	2	1	-1	2769	263	252	-11	2873	234	241	7
2682	6	5	-1	2770	539	516	-23	2874	4	6	2
2689	2	1	-1	2771	20	18	-2	2875	309	331	22
2691	1	2	1	2773	425	400	-25	2878	4	3	-1
2692	1	2	1	2775	46	39	-7	2879	62	70	8
2698	4	3	-1	2776	91	92	1	2880	272	279	7
2699	73	87	14	2780	1012	964	-48	2881	13	10	-3
2700	8	13	5	2782	1	-	-1	2882	2	3	1
2702	9	11	2	2788	82	79	-3	2883	14	13	-1
2703	3	4	1	2790	22	28	6	2888	24	28	4
2706	32	35	3	2791	7	6	-1	2889	1	-	-1
2707	15	17	2	2792	40	34	-6	2890	6	5	-1
2710	23	19	-4	2793	80	92	12	2892	2	-	-2
2713	5	3	-2	2794	16	12	-4	2894	30	24	-6
2714	1	-	-1	2799	4	2	-2	2895	100	92	-8

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
2898	982	994	12	3050	771	841	70	3312	80	83	3
2899	83	67	-16	3051	59	66	7	3313	10	7	-3
2900	1708	1721	13	3052	3	1	-2	3314	582	601	19
2901	222	193	-29	3054	3	2	-1	3318	189	187	-2
2902	51	49	-2	3055	4	7	3	3319	868	870	2
2903	7	10	3	3056	3	-	-3	3320	3942	3933	-9
2904	93	104	11	3059	240	232	-8	3321	6	9	3
2909	3	4	1	3062	28	26	-2	3330	100	106	6
2910	244	240	-4	3071	105	103	-2	3331	2	1	-1
2912	54	53	-1	3075	68	85	17	3332	6	8	2
2918	134	139	5	3079	32	37	5	3334	307	311	4
2919	10	13	3	3083	1	-	-1	3336	3	4	1
2921	1	-	-1	3089	61	85	24	3339	12	10	-2
2940	10	11	1	3099	1	2	1	3342	16	14	-2
2949	33	31	-2	3101	2	4	2	3343	5	4	-1
2951	1	2	1	3108	4	3	-1	3348	25	23	-2
2952	22	19	-3	3109	4386	4328	-58	3349	82	77	-5
2953	17	16	-1	311	218	230	12	3350	167	153	-14
2956	31	34	3	3154	2	1	-1	3352	2808	2790	-18
2957	2	1	-1	3159	5	7	2	3359	8	7	-1
2958	1	-	-1	3180	2	4	2	3360	36	32	-4
2959	60	62	2	3181	88	89	1	3361	34	36	2
2960	2	3	1	3182	50	58	8	3369	64	55	-9
2961	30	32	2	319	241	256	15	3370	5	3	-2
2962	2	1	-1	3200	220	237	17	3379	12	8	-4
2965	1	2	1	3201	264	280	16	340	1491	1514	23
2966	17	20	3	3202	92	91	-1	3411	10	11	1
2971	1	2	1	3203	26	24	-2	3418	8	7	-1
2989	474	430	-44	3208	61	49	-12	3419	208	196	-12
3001	7	3	-4	3209	293	300	7	3420	1	-	-1
3004	35	45	10	3222	8	9	1	3429	263	250	-13
3005	4	2	-2	3229	441	461	20	3430	3	4	1
3008	1	-	-1	3235	3	5	2	3433	1	-	-1
3016	1	2	1	3239	237	230	-7	3434	2	-	-2
3019	2	1	-1	3240	192	193	1	3439	555	559	4
3029	1	-	-1	3241	9	10	1	3440	187	185	-2
303	4207	4189	-18	3249	32	24	-8	3441	133	131	-2
3040	10	9	-1	325	15	16	1	3442	2	4	2
3041	3	1	-2	3300	44	50	6	3446	83	93	10
3042	5	2	-3	3301	36	40	4	3448	174	187	13
3046	6	9	3	3308	12	10	-2	3449	43	30	-13
3047	1	-	-1	3309	7	5	-2	3450	4	3	-1
3048	1	-	-1	3310	1757	1727	-30	3451	405	402	-3
3049	595	603	8	3311	14	21	7	3452	1	2	1

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 MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
 CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY UNDERLYING CAUSE OF DEATH FROM TWO DIFFERENT FILES
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	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
3453	466	486	20	3594	5	8	3	4041	4	5	1
3454	6	1	-5	3598	15	13	-2	4049	3329	3392	63
3455	2	3	1	3599	46	42	-4	410	292504	292876	372
3456	4	5	1	3623	1	2	1	411	4549	4473	-76
3457	4	5	1	3627	1	2	1	412	1129	1213	84
3458	1	2	1	3647	1	2	1	413	569	588	19
3459	838	822	-16	3659	4	3	-1	4140	212205	211965	-240
347	2	1	-1	3723	2	-	-2	4141	411	454	43
3480	41	39	-2	3760	3	1	-2	4148	4167	4221	54
3481	1208	1213	5	3773	1	-	-1	4149	39624	39405	-219
3482	42	45	3	3801	4	2	-2	4150	15	11	-4
3483	371	370	-1	3802	1	-	-1	4151	9977	10062	85
3484	60	64	4	3824	6	5	-1	4160	662	679	17
3485	226	235	9	3829	74	81	7	4161	101	110	9
3488	154	168	14	3831	5	2	-3	4168	4	3	-1
3489	392	409	17	390	22	25	3	4169	706	701	-5
3491	1	2	1	3910	48	47	-1	4170	3	2	-1
3492	2	3	1	3911	7	5	-2	4171	13	9	-4
3498	138	128	-10	3918	9	6	-3	4178	13	15	2
3499	69	55	-14	3919	6	5	-1	4179	5	6	1
3501	1	-	-1	3929	2	1	-1	4209	89	103	14
3519	1	-	-1	393	4	5	1	4210	743	756	13
3522	1	2	1	3940	1036	1029	-7	4219	22	13	-9
3523	4	3	-1	3941	305	309	4	4229	283	273	-10
3525	1	2	1	3942	155	164	9	4230	22	21	-1
3526	5	6	1	3949	1429	1458	29	4231	21	20	-1
3529	9	6	-3	3950	159	152	-7	4238	22	23	1
3530	2	-	-2	3952	47	45	-2	4239	341	339	-2
3534	1	-	-1	3959	105	95	-10	4240	1239	1242	3
3540	1	-	-1	396	993	999	6	4241	4774	4822	48
3541	2	-	-2	3970	73	81	8	4242	4	2	-2
3548	4	2	-2	3979	470	497	27	4243	9	6	-3
3559	26	24	-2	3980	9	12	3	4249	1320	1362	42
3561	11	17	6	3989	2443	2434	-9	4250	2	4	2
3568	81	84	3	4010	57	52	-5	4251	234	247	13
3569	59	47	-12	4011	17	19	2	4253	123	122	-1
3570	184	175	-9	4019	2907	2923	16	4254	7878	7707	-171
3579	5	4	-1	4020	38	43	5	4255	647	653	6
3580	205	214	9	4021	11	9	-2	4259	111	138	27
3588	10	15	5	4029	20744	20444	-300	4260	240	290	50
3589	76	71	-5	4030	86	96	10	4261	30	37	7
3590	18	16	-2	4031	14	17	3	4262	1	-	-1
3591	608	599	-9	4039	4508	4589	83	4263	15	11	-4
3592	82	85	3	4040	14	13	-1	4264	14	12	-2

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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NUMBER OF RESIDENT DEATHS TABULATED BY UNDERLYING CAUSE OF DEATH FROM TWO DIFFERENT FILES
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ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS			ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS			ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS		
	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
4265	11	12	1	4375	6	4	-2	4511	431	439	8
4266	14	12	-2	4378	178	183	5	4512	772	756	-16
4267	33	34	1	4379	4184	4333	149	4518	84	88	4
4268	103	104	1	438	4501	4530	29	4519	601	616	15
4269	198	180	-18	4400	88	71	-17	452	39	38	-1
4270	18	23	5	4401	28	27	-1	4530	24	27	3
4271	252	261	9	4402	1409	1427	18	4531	2	1	-1
4272	11	8	-3	4408	15	12	-3	4532	42	38	-4
4273	1679	1707	28	4409	26464	26314	-150	4533	29	27	-2
4274	1049	1056	7	4410	2472	2431	-41	4538	261	257	-4
4275	27609	27581	-28	4411	1045	1037	-8	4539	67	43	-24
4276	59	63	4	4412	348	345	-3	4540	39	41	2
4278	330	332	2	4413	5751	5725	-26	4541	19	17	-2
4279	2736	2717	-19	4414	1448	1431	-17	4542	6	7	1
4280	23297	23065	-232	4415	2385	2400	15	4549	97	84	-13
4281	255	262	7	4416	633	614	-19	4556	15	12	-3
4289	5420	5247	-173	4423	48	45	-3	4558	8	9	1
4290	1241	1221	-20	4428	138	147	9	4560	398	412	14
4291	1062	1065	3	4429	363	348	-15	4561	57	53	-4
4292	69096	69031	-65	4430	7	3	-4	4565	1	2	1
4293	690	707	17	4431	21	19	-2	4568	52	54	2
4295	24	26	2	4439	1619	1640	21	4571	13	11	-2
4298	79	92	13	4440	195	197	2	4578	15	12	-3
4299	2175	2117	-58	4441	272	279	7	4589	724	748	24
430	6593	6586	-7	4442	602	617	15	4590	400	396	-4
431	18648	18285	-363	4448	146	140	-6	4592	44	43	-1
4320	2	3	1	4449	309	223	-86	4598	37	27	-10
4321	320	300	-20	4460	141	143	2	4599	396	377	-19
4329	1218	1273	55	4461	6	3	-3	460	11	9	-2
4330	685	667	-18	4462	137	131	-6	4618	1	-	-1
4331	948	986	38	4463	2	4	2	4619	6	7	1
4332	47	48	1	4465	79	80	1	462	21	18	-3
4333	125	141	16	4466	182	188	6	463	4	2	-2
4338	14	6	-8	4467	4	2	-2	4640	27	26	-1
4339	2	1	-1	4470	11	10	-1	4641	17	19	2
4340	21239	21111	-128	4471	139	147	8	4642	17	9	-8
4349	9774	9873	99	4472	270	294	24	4643	92	97	5
435	317	322	5	4473	1	-	-1	4644	9	7	-2
436	82520	82620	100	4476	440	450	10	4650	1	2	1
4370	10231	10260	29	4478	22	15	-7	4659	188	174	-14
4371	593	643	50	4479	450	475	25	4660	493	494	1
4372	161	171	10	4480	27	24	-3	4661	80	82	2
4373	362	384	22	4489	17	21	4	4719	1	-	-1
4374	30	35	5	4510	7	10	3	4720	2	-	-2

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NUMBER OF RESIDENT DEATHS TABULATED BY UNDERLYING CAUSE OF DEATH FROM TWO DIFFERENT FILES
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ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS			ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS			ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS		
	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
4722	1	-	-1	4930	11	12	1	5198	462	471	9
4730	4	5	1	4931	19	22	3	5199	100	97	-3
4731	5	4	-1	4939	3024	2992	-32	5224	4	3	-1
4732	3	1	-2	494	776	774	-2	5225	8	6	-2
4733	3	5	2	4950	6	5	-1	5231	1	-	-1
4738	3	2	-1	4959	7	2	-5	5233	1	2	1
4739	31	34	3	496	37935	37876	-59	5234	1	2	1
4740	1	-	-1	500	1056	1093	37	5235	1	-	-1
4749	9	4	-5	501	105	101	-4	5259	1	-	-1
475	25	34	9	502	174	162	-12	5264	4	5	1
4760	3	2	-1	503	10	7	-3	5272	22	21	-1
4778	1	2	1	504	8	7	-1	5273	4	6	2
4779	4	2	-2	505	237	217	-20	5283	7	2	-5
4780	4	-	-4	5060	26	32	6	5285	2	1	-1
4781	9	6	-3	5061	10	13	3	5290	3	4	1
4783	43	45	2	5064	2	3	1	5300	74	71	-3
4784	4	3	-1	5070	3640	3610	-30	5301	229	222	-7
4786	37	33	-4	5071	9	6	-3	5302	58	61	3
4787	102	114	12	5081	7	4	-3	5303	290	297	7
4789	4	3	-1	5089	1	-	-1	5304	210	194	-16
4800	1	2	1	5100	77	73	-4	5305	72	81	9
4808	5	6	1	5109	343	354	11	5306	62	49	-13
4809	793	805	12	5110	49	48	-1	5307	48	46	-2
481	2997	2954	-43	5118	60	65	5	5308	163	167	4
4820	337	316	-21	5119	513	555	42	5309	56	58	2
4821	324	298	-26	512	276	288	12	5310	43	55	12
4822	74	76	2	5130	710	726	16	5311	14	15	1
4823	147	140	-7	5131	14	17	3	5312	2	3	1
4824	483	503	20	514	1124	1088	-36	5313	3	5	2
4828	223	206	-17	515	3004	3009	5	5314	1111	1105	-6
4829	607	631	24	5160	4	3	-1	5315	704	692	-12
483	55	65	10	5162	1	2	1	5316	101	112	11
485	11129	11177	48	5163	239	236	-3	5317	15	16	1
486	33549	33769	220	5168	626	641	15	5319	230	213	-17
4870	1524	1555	31	5181	20	19	-1	5320	31	33	2
4871	1431	1417	-14	5183	194	205	11	5322	4	5	1
4878	51	61	10	5184	358	360	2	5323	4	5	1
490	513	504	-9	5185	732	758	26	5324	1011	995	-16
4910	40	43	3	5188	2741	2736	-5	5325	923	885	-38
4911	56	66	10	5190	13	14	1	5326	114	104	-10
4912	2406	2499	93	5191	182	176	-6	5327	17	20	3
4918	40	37	-3	5192	36	38	2	5329	151	150	-1
4919	630	613	-17	5193	29	30	1	5334	1182	1153	-29
492	13369	13366	-3	5194	8	7	-1	5335	517	508	-9

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
5336	48	41	-7	5550	27	23	-4	5716	340	353	13
5337	16	20	4	5551	51	42	-9	5718	1334	1317	-17
5339	205	202	-3	5552	3	4	1	5719	294	279	-15
5344	55	49	-6	5559	234	240	6	5720	153	155	2
5345	16	14	-2	556	348	355	7	5722	413	406	-7
5349	16	19	3	5570	4420	4446	26	5723	143	136	-7
5350	120	138	18	5571	178	183	5	5724	516	543	27
5351	33	37	4	5579	569	628	59	5728	1935	1893	-42
5352	6	8	2	558	1025	1076	51	5730	30	33	3
5353	107	102	-5	5600	36	41	5	5733	479	511	32
5354	195	223	28	5601	209	211	2	5738	226	220	-6
5355	221	204	-17	5602	642	657	15	5739	460	456	-4
5361	20	21	1	5603	138	134	-4	5740	158	163	5
5362	3	2	-1	5608	372	339	-33	5741	302	297	-5
5368	37	40	3	5609	2295	2319	24	5742	520	508	-12
5369	35	33	-2	5620	38	45	7	5743	25	29	4
5370	111	98	-13	5621	2920	2852	-68	5744	38	33	-5
5371	1	-	-1	5641	59	53	-6	5745	321	333	12
5374	40	44	4	5647	41	39	-2	5750	659	683	24
5375	2	1	-1	5648	22	20	-2	5751	388	377	-11
5378	78	89	11	5649	3	5	2	5752	12	8	-4
5379	172	173	1	5651	18	17	-1	5754	115	120	5
5400	476	444	-32	566	139	145	6	5755	30	28	-2
5401	29	30	1	5671	3	4	1	5758	22	23	1
5409	29	28	-1	5672	487	509	22	5759	483	496	13
541	51	61	10	5678	16	17	1	5761	393	387	-6
542	1	2	1	5679	803	827	24	5762	244	261	17
543	3	2	-1	5680	124	121	-3	5763	6	5	-1
5501	202	198	-4	5688	62	65	3	5764	17	13	-4
5509	81	76	-5	5689	14	5	-9	5768	282	305	23
5510	17	21	4	5690	5	6	1	5769	45	37	-8
5511	5	3	-2	5691	19	20	1	5770	2310	2322	12
5512	34	33	-1	5693	104	113	9	5771	245	262	17
5519	29	38	9	5694	56	54	-2	5772	93	95	2
5520	74	73	-1	5695	28	25	-3	5778	80	70	-10
5522	152	153	1	5698	1040	1017	-23	5779	41	44	3
5523	73	77	4	5699	389	376	-13	5780	38	46	8
5528	21	12	-9	570	456	488	32	5781	6	7	1
5529	131	133	2	5710	951	962	11	5789	4655	4629	-26
5531	73	70	-3	5711	785	790	5	5790	13	12	-1
5532	91	98	7	5712	8567	8458	-109	5791	9	11	2
5533	389	378	-11	5713	1782	1750	-32	5798	13	11	-2
5538	10	7	-3	5714	837	863	26	5799	104	107	3
5539	88	91	3	5715	14418	14369	-49	5800	2	1	-1

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	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
5808	6	7	1	5939	1322	1254	-68	6161	13	14	1
5809	102	108	6	5940	1	-	-1	6163	2	4	2
5811	3	5	2	5941	21	24	3	6170	1	2	1
5818	2	3	1	5942	5	1	-4	6180	5	7	2
5819	178	191	13	5950	38	35	-3	6181	11	10	-1
5820	3	1	-2	5951	1	2	1	6190	12	9	-3
5821	3	1	-2	5952	34	32	-2	6191	46	50	4
5822	4	5	1	5958	10	12	2	6202	20	25	5
5824	3	1	-2	5959	121	126	5	6205	1	-	-1
5828	47	54	7	5960	44	45	1	6218	3	1	-2
5829	1450	1516	66	5961	46	38	-8	6219	8	4	-4
5830	5	2	-3	5963	5	3	-2	6238	9	5	-4
5831	27	31	4	5964	5	6	1	6241	1	-	-1
5832	12	15	3	5965	7	10	3	6256	1	-	-1
5836	9	12	3	5968	16	17	1	6259	1	-	-1
5837	3	1	-2	5969	25	24	-1	6268	1	-	-1
5838	85	83	-2	5989	57	52	-5	6271	2	1	-1
5839	317	304	-13	5990	5698	5724	26	6273	1	-	-1
5845	297	293	-4	5991	7	9	2	6299	4	3	-1
5846	3	2	-1	5996	263	247	-16	630	1	2	1
5847	6	7	1	5997	31	33	2	6331	14	12	-2
5849	2154	2201	47	5999	40	38	-2	6338	1	-	-1
585	3916	3905	-11	600	693	705	12	6339	16	10	-6
586	8511	8593	82	6010	5	6	1	6346	1	-	-1
587	72	69	-3	6011	9	13	4	6370	2	3	1
5880	6	7	1	6012	9	10	1	6376	3	-	-3
5881	1	-	-1	6013	2	1	-1	6377	1	2	1
5888	24	25	1	6019	32	28	-4	641	31	30	-1
5900	901	904	3	6020	1	-	-1	6424	21	18	-3
5901	410	419	9	6029	192	228	36	6425	9	3	-6
5902	105	107	2	6039	1	-	-1	6426	36	33	-3
5908	831	842	11	6049	17	19	2	6427	1	-	-1
5909	57	54	-3	6072	8	9	1	6429	6	5	-1
591	97	103	6	6084	34	28	-6	6466	1	-	-1
5920	371	397	26	6110	6	9	3	6467	6	5	-1
5921	42	49	7	6119	23	21	-2	6469	1	-	-1
5929	25	29	4	6140	5	3	-2	6478	4	6	2
5930	1	-	-1	6141	2	1	-1	6480	1	-	-1
5932	4	2	-2	6142	32	30	-2	6489	5	7	2
5933	7	6	-1	6144	66	74	8	651	2	1	-1
5934	92	89	-3	6146	1	2	1	652	1	2	1
5935	6	8	2	6149	11	8	-3	653	2	4	2
5937	7	11	4	6150	2	1	-1	661	3	4	1
5938	182	173	-9	6160	3	2	-1	665	3	2	-1

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	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
666	17	16	-1	7102	27	28	1	7281	3	2	-1
668	5	2	-3	7103	97	107	10	7282	13	12	-1
669	23	24	1	7108	20	18	-2	7283	6	5	-1
670	7	11	4	7109	121	131	10	7288	49	44	-5
671	12	8	-4	7110	72	81	9	7289	30	39	9
673	35	34	-1	7119	8	5	-3	7290	2	3	1
674	21	24	3	7140	1279	1291	12	7291	11	10	-1
6809	3	2	-1	7141	35	32	-3	7292	3	2	-1
6810	1	-	-1	7142	14	17	3	7293	7	8	1
6811	4	7	3	7143	9	11	2	7294	108	109	1
6820	19	14	-5	7148	75	81	6	7298	1	2	1
6821	11	10	-1	7150	20	25	5	7300	10	11	1
6823	40	51	11	7151	1	-	-1	7301	36	40	4
6825	17	15	-2	7152	1	-	-1	7302	192	182	-10
6826	123	129	6	7153	35	45	10	7309	8	11	3
6827	22	27	5	7159	312	304	-8	7310	63	73	10
6828	6	5	-1	7161	2	3	1	7321	4	5	1
6829	103	107	4	7165	10	11	1	7330	199	192	-7
6851	1	2	1	7168	2	3	1	7331	86	83	-3
6860	13	12	-1	7169	189	191	2	7334	11	7	-4
6861	13	11	-2	7184	10	12	2	7338	18	19	1
6869	86	84	-2	7186	1	-	-1	7339	49	55	6
6910	1	2	1	7189	6	4	-2	7369	1	2	1
6929	6	8	2	7194	1	-	-1	7371	45	49	4
6940	2	4	2	7199	22	10	-12	7373	187	201	14
6944	55	46	-9	7200	46	47	1	7378	1	2	1
6945	28	31	3	7209	6	5	-1	7379	1	-	-1
6951	73	80	7	7210	28	25	-3	7383	12	15	3
6953	1	-	-1	7211	26	27	1	7385	1	-	-1
6954	128	108	-20	7213	2	-	-2	7389	2	3	1
6958	20	22	2	7214	2	-	-2	7400	768	738	-30
700	1	2	1	7219	14	16	2	7402	2	3	1
7058	1	2	1	7220	3	1	-2	7410	205	193	-12
7062	1	2	1	7221	3	4	1	7419	98	89	-9
7070	1858	1831	-27	7222	8	6	-2	7420	99	107	8
7071	88	87	-1	7224	2	3	1	7421	142	139	-3
7078	22	19	-3	7225	4	3	-1	7422	74	78	4
7079	38	42	4	7227	2	-	-2	7423	526	515	-11
7081	1	-	-1	7229	5	4	-1	7424	65	60	-5
7090	2	4	2	7240	5	3	-2	7425	48	41	-7
7091	1	2	1	7245	2	1	-1	7428	31	25	-6
7092	2	3	1	7246	1	-	-1	7429	146	142	-4
7100	1006	1046	40	7249	5	4	-1	7430	1	-	-1
7101	724	747	23	725	19	17	-2	7439	2	3	1

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY UNDERLYING CAUSE OF DEATH FROM TWO DIFFERENT FILES
BY ICD-9 CATEGORY: UNITED STATES, 1981
(ONLY THOSE CATEGORIES WITH A DIFFERENCE ARE PRINTED)

UNDERLYING CAUSE OF DEATH COUNTS				UNDERLYING CAUSE OF DEATH COUNTS				UNDERLYING CAUSE OF DEATH COUNTS			
ICD-9 CODE	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE	ICD-9 CODE	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE	ICD-9 CODE	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
7444	1	-	-1	7515	48	37	-11	7594	33	31	-2
7450	135	124	-11	7516	160	148	-12	7595	24	22	-2
7451	238	246	8	7518	8	5	-3	7596	13	18	5
7452	282	274	-8	7519	11	8	-3	7597	766	768	2
7453	80	83	3	7523	2	1	-1	7598	246	247	1
7454	445	424	-21	7528	1	2	1	7599	86	71	-15
7455	269	282	13	7529	5	6	1	7600	30	26	-4
7457	5	4	-1	7531	426	448	22	7602	21	16	-5
7458	2	-	-2	7532	15	13	-2	7603	7	8	1
7459	16	13	-3	7535	4	5	1	7605	9	8	-1
7460	57	48	-9	7536	5	2	-3	7607	7	8	1
7461	69	79	10	7537	1	2	1	7608	48	56	8
7462	42	43	1	7538	2	1	-1	7609	3	1	-2
7463	108	113	5	7539	38	31	-7	7610	228	224	-4
7464	51	60	9	7542	11	8	-3	7611	372	406	34
7466	10	8	-2	7543	2	3	1	7612	9	8	-1
7467	530	547	17	7545	1	-	-1	7613	59	63	4
7468	461	442	-19	7548	7	4	-3	7614	6	7	1
7469	1671	1626	-45	7552	2	3	1	7615	713	733	20
7470	169	168	-1	7554	4	1	-3	7618	62	66	4
7471	171	159	-12	7555	3	2	-1	7620	105	106	1
7472	45	48	3	7556	1	-	-1	7621	519	535	16
7473	153	166	13	7560	43	40	-3	7622	54	49	-5
7475	2	1	-1	7561	52	54	2	7623	11	13	2
7476	172	154	-18	7563	14	15	1	7624	72	61	-11
7478	332	377	45	7564	20	23	3	7625	50	52	2
7479	392	420	28	7565	76	67	-9	7626	12	13	1
7480	7	8	1	7566	417	455	38	7627	153	134	-19
7481	2	-	-2	7567	95	98	3	7628	1	2	1
7483	74	58	-16	7568	26	19	-7	7630	51	45	-6
7484	11	9	-2	7569	15	13	-2	7631	19	22	3
7485	603	593	-10	7570	2	1	-1	7635	1	2	1
7486	81	67	-14	7573	20	17	-3	7638	31	34	3
7488	2	1	-1	7579	1	-	-1	7639	7	5	-2
7491	6	7	1	7580	316	288	-28	7641	1	2	1
7501	5	4	-1	7581	199	201	2	7642	2	3	1
7503	25	30	5	7582	301	331	30	7649	24	23	-1
7504	34	33	-1	7585	27	37	10	7650	1890	1909	19
7509	3	4	1	7586	6	9	3	7651	1784	1779	-5
7510	27	26	-1	7587	1	-	-1	7661	1	-	-1
7511	23	21	-2	7588	2	1	-1	7662	2	-	-2
7512	9	8	-1	7590	13	15	2	7670	871	876	5
7513	34	35	1	7591	5	6	1	7671	6	4	-2
7514	27	38	11	7592	2	1	-1	7674	4	6	2

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY UNDERLYING CAUSE OF DEATH FROM TWO DIFFERENT FILES
BY ICD-9 CATEGORY: UNITED STATES, 1981
(ONLY THOSE CATEGORIES WITH A DIFFERENCE ARE PRINTED)

ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS			ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS			ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS		
	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
7678	29	36	7	7780	123	116	-7	7906	3	5	2
7679	18	23	5	7783	14	15	1	7907	10	8	-2
7682	1	-	-1	7785	2	1	-1	7908	15	16	1
7683	1	-	-1	7789	3	1	-2	7919	16	15	-1
7684	254	252	-2	7790	16	24	8	797	1067	1128	61
7685	50	49	-1	7791	1	-	-1	7980	5295	5301	6
7689	1114	1104	-10	7794	1	2	1	7981	319	317	-2
769	4325	4298	-27	7796	48	44	-4	7982	16	1	-15
7700	62	56	-6	7798	2183	2195	12	7989	135	125	-10
7701	318	311	-7	7799	32	10	-22	7990	42	41	-1
7702	286	282	-4	7800	32	38	6	7991	1976	2012	36
7703	178	160	-18	7802	23	24	1	7994	40	36	-4
7704	472	479	7	7803	403	433	30	7998	205	197	-8
7705	283	281	-2	7804	1	-	-1	7999	18768	18917	149
7707	375	395	20	7806	35	32	-3	E8000	7	8	1
7708	1676	1718	42	7809	1	-	-1	E8009	1	2	1
7711	23	24	1	7811	1	-	-1	E8013	2	3	1
7712	27	28	1	7813	3	5	2	E8019	1	2	1
7714	14	13	-1	7819	19	18	-1	E8040	3	5	2
7717	6	4	-2	7823	2	1	-1	E8042	4	8	4
7718	837	862	25	7824	5	8	3	E8048	4	3	-1
7720	7	5	-2	7830	7	5	-2	E8049	20	19	-1
7721	818	802	-16	7832	2	1	-1	E8050	25	21	-4
7722	30	31	1	7834	8	7	-1	E8051	2	-	-2
7724	7	9	2	7842	3	2	-1	E8052	437	454	17
7725	5	6	1	7847	6	7	1	E8053	1	-	-1
7728	9	10	1	7850	6	7	1	E8058	5	3	-2
7729	26	27	1	7852	1	-	-1	E8059	30	21	-9
7730	20	19	-1	7854	65	63	-2	E8060	3	4	1
7731	1	-	-1	7855	684	698	14	E8062	2	-	-2
7732	24	26	2	7856	4	6	2	E8079	16	14	-2
7742	7	9	2	7860	78	77	-1	E8100	286	284	-2
7747	3	1	-2	7863	54	57	3	E8101	144	134	-10
7756	3	4	1	7865	5	4	-1	E8102	19	12	-7
7757	7	2	-5	7866	1	-	-1	E8103	1	2	1
7760	10	12	2	7870	2	3	1	E8109	218	264	46
7762	95	107	12	7871	1	-	-1	E8110	26	25	-1
7765	3	2	-1	7872	2	3	1	E8111	11	16	5
7766	8	11	3	7890	15	12	-3	E8119	2	1	-1
7767	2	1	-1	7892	2	1	-1	E8120	8533	8257	-276
7769	1	-	-1	7893	5	4	-1	E8121	4417	4279	-138
7775	398	426	28	7895	3	4	1	E8122	1915	1899	-16
7776	23	22	-1	7899	27	22	-5	E8123	283	254	-29
7778	2	3	1	7903	6	7	1	E8127	37	44	7

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 1

NUMBFR OF RESIDENT DEATHS TABULATED BY UNDERLYING CAUSE OF DEATH FROM TWO DIFFERENT FILES
BY ICD-9 CATEGORY: UNITED STATES, 1981
(ONLY THOSE CATEGORIES WITH A DIFFERENCE ARE PRINTED)

UNDERLYING CAUSE OF DEATH COUNTS				UNDERLYING CAUSE OF DEATH COUNTS				UNDERLYING CAUSE OF DEATH COUNTS			
ICD-9 CODE	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE	ICD-9 CODE	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE	ICD-9 CODE	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
E8128	5	3	-2	E8201	3	2	-1	E8321	37	16	-21
E8129	3292	3506	214	E8208	7	4	-3	E8322	28	27	-1
E8130	4	5	1	E8209	44	43	-1	E8324	2	1	-1
E8132	3	4	1	E8210	24	16	-8	E8328	4	3	-1
E8133	1	2	1	E8212	11	12	1	E8329	337	393	56
E8135	6	9	3	E8213	1	-	-1	E8339	2	4	2
E8136	859	860	1	E8219	47	50	3	E8342	3	2	-1
E8137	2	3	1	E8220	8	11	3	E8344	1	-	-1
E8139	16	15	-1	E8222	16	20	4	E8346	1	-	-1
E8147	7961	7994	33	E8223	1	-	-1	E8353	3	4	1
E8149	10	12	2	E8226	3	2	-1	E8358	1	-	-1
E8150	3995	3944	-51	E8227	492	500	8	E8359	8	9	1
E8151	1609	1619	10	E8228	5	2	-3	E8378	2	1	-1
E8152	675	644	-31	E8229	19	15	-4	E8379	3	1	-2
E8153	77	80	3	E8230	29	30	1	E8380	3	1	-2
E8155	2	4	2	E8231	11	15	4	E8381	14	12	-2
E8157	5	6	1	E8232	17	14	-3	E8382	10	8	-2
E8158	1	2	1	E8238	2	3	1	E8384	6	7	1
E8159	1037	1117	80	E8239	19	23	4	E8385	3	5	2
E8160	4346	4199	-147	E8241	3	2	-1	E8389	37	44	7
E8161	1845	1771	-74	E8243	1	2	1	E8402	5	3	-2
E8162	602	527	-75	E8249	13	17	4	E8403	40	53	13
E8163	68	60	-8	E8250	60	55	-5	E8404	1	-	-1
E8167	12	14	2	E8251	65	62	-3	E8405	20	22	2
E8168	1	-	-1	E8252	37	36	-1	E8411	103	108	5
E8169	1684	1838	154	E8257	17	14	-3	E8412	91	96	5
E8171	7	8	1	E8258	3	4	1	E8413	736	847	111
E8177	3	2	-1	E8259	192	196	4	E8414	22	19	-3
E8179	7	10	3	E8260	10	7	-3	E8415	394	278	-116
E8180	85	70	-15	E8261	84	96	12	E8419	21	12	-9
E8181	348	355	7	E8280	1	-	-1	E8429	1	-	-1
E8182	28	30	2	E8282	99	102	3	E8431	3	2	-1
E8183	11	12	1	E8298	1	-	-1	E8437	3	4	1
E8186	2	1	-1	E8300	139	137	-2	E8439	1	2	1
E8187	7	8	1	E8301	50	19	-31	E8441	3	2	-1
E8188	7	9	2	E8302	17	9	-8	E8442	1	-	-1
E8189	407	450	43	E8303	6	4	-2	E8443	3	2	-1
E8190	553	539	-14	E8308	5	4	-1	E8447	48	50	2
E8191	469	443	-26	E8309	346	375	29	E8449	4	5	1
E8192	103	93	-10	E8310	5	3	-2	E8459	1	-	-1
E8193	21	18	-3	E8311	11	9	-2	E846	18	21	3
E8196	1	-	-1	E8314	4	5	1	E848	14	15	1
E8199	4106	4362	256	E8319	32	29	-3	E8500	405	410	5
E8200	15	17	2	E8320	73	69	-4	E8501	74	81	7

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY UNDERLYING CAUSE OF DEATH FROM TWO DIFFERENT FILES
BY ICD-9 CATEGORY: UNITED STATES, 1981
(ONLY THOSE CATEGORIES WITH A DIFFERENCE ARE PRINTED)

ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS			ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS			ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS		
	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
E8502	35	34	-1	E8612	2	3	1	E8732	2	1	-1
E8503	4	5	1	E8616	3	2	-1	E8738	1	-	-1
E8505	99	83	-16	E8619	1	-	-1	E8740	2	1	-1
E8508	150	157	7	E8621	20	19	-1	E8741	5	4	-1
E8509	1	-	-1	E8624	44	37	-7	E8748	3	2	-1
E851	81	74	-7	E8630	1	-	-1	E8760	3	2	-1
E8520	11	7	-4	E8631	8	11	3	E8763	3	-	-3
E8522	1	-	-1	E8632	1	-	-1	E8764	5	-	-5
E8523	8	7	-1	E8634	6	9	3	E8768	34	33	-1
E8524	8	7	-1	E8635	3	2	-1	E8769	7	4	-3
E8525	13	16	3	E8636	1	-	-1	E8781	166	171	5
E8528	23	19	-4	E8637	5	1	-4	E8782	138	129	-9
E8529	4	3	-1	E8638	3	4	1	E8783	129	148	19
E8530	27	31	4	E8639	4	3	-1	E8784	74	72	-2
E8531	3	2	-1	E8641	5	4	-1	E8785	269	255	-14
E8532	50	54	4	E8642	6	7	1	E8786	142	169	27
E8538	8	7	-1	E8643	2	1	-1	E8788	251	255	4
E8540	130	140	10	E8644	4	3	-1	E8789	593	616	23
E8541	3	2	-1	E8652	1	2	1	E8790	10	13	3
E8550	9	11	2	E8654	1	-	-1	E8791	9	6	-3
E8551	29	25	-4	E8664	11	8	-3	E8792	20	16	-4
E8552	156	150	-6	E8668	10	12	2	E8793	2	3	1
E8553	3	2	-1	E8680	37	31	-6	E8794	6	5	-1
E8554	6	5	-1	E8681	32	27	-5	E8796	95	100	5
E8558	2	-	-2	E8682	615	612	-3	E8798	136	157	21
E8559	2	3	1	E8683	100	108	8	E8799	17	5	-12
E856	47	51	4	E8688	26	27	1	E8800	2	1	-1
E857	10	12	2	E8689	244	261	17	E8809	1335	1331	-4
E8580	22	23	1	E8690	6	4	-2	E8810	231	234	3
E8581	24	26	2	E8692	12	9	-3	E8811	108	101	-7
E8582	24	27	3	E8693	1	-	-1	E882	703	695	-8
E8583	202	217	15	E8698	127	134	7	E8839	56	60	4
E8584	4	5	1	E8699	14	20	6	E8840	9	7	-2
E8585	20	22	2	E8700	84	76	-8	E8841	155	142	-13
E8586	16	21	5	E8701	1	2	1	E8842	496	478	-18
E8587	3	2	-1	E8702	3	2	-1	E8849	383	345	-38
E8588	422	380	-42	E8703	1	-	-1	E885	412	424	12
E8589	505	485	-20	E8704	12	8	-4	E887	2925	2954	29
E8600	6	1	-5	E8705	19	17	-2	E888	5746	5752	6
E8601	187	192	5	E8706	13	16	3	E8900	5	3	-2
E8602	13	10	-3	E8708	27	30	3	E8901	4	-	-4
E8603	15	14	-1	E8709	7	6	-1	E8902	3048	2992	-56
E8608	3	4	1	E8715	1	2	1	E8903	1255	1200	-55
E8609	160	158	-2	E8729	1	-	-1	E8908	114	134	20

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY UNDERLYING CAUSE OF DEATH FROM TWO DIFFERENT FILES
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(ONLY THOSE CATEGORIES WITH A DIFFERENCE ARE PRINTED)

ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS			ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS			ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS		
	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DIFFERENCE
E8909	90	81	-9	E9108	2531	2510	-21	E9241	14	12	-2
E8910	3	2	-1	E9109	905	934	29	E9248	23	21	-2
E8912	111	109	-2	E911	2068	2083	15	E9249	2	-	-2
E8913	65	73	8	E912	1263	1292	29	E9250	150	132	-18
E8918	10	8	-2	E9130	167	146	-21	E9251	156	108	-48
E892	87	76	-11	E9131	31	34	3	E9252	120	111	-9
E8930	110	111	1	E9132	42	39	-3	E9258	422	486	64
E8931	11	10	-1	E9133	135	145	10	E9259	160	146	-14
E8932	38	33	-5	E9138	357	371	14	E927	33	36	3
E8938	87	89	2	E9139	136	146	10	E9282	1	-	-1
E8939	59	58	-1	E914	1	-	-1	E9288	22	17	-5
E894	95	90	-5	E915	38	41	3	E9289	1864	1954	90
E895	48	51	3	E916	1092	1082	-10	E9290	176	154	-22
E896	5	6	1	E9170	39	31	-8	E9291	12	16	4
E897	33	40	7	E9179	239	224	-15	E9292	24	27	3
E8980	61	62	1	E918	124	118	-6	E9293	177	188	11
E8981	112	131	19	E9190	816	793	-23	E9294	6	5	-1
E899	241	272	31	E9191	129	134	5	E9295	3	1	-2
E9000	112	98	-14	E9192	202	199	-3	E9298	63	60	-3
E9001	18	15	-3	E9193	24	26	2	E9299	189	191	2
E9009	193	208	15	E9194	18	16	-2	E9300	16	21	5
E9010	289	298	9	E9196	10	7	-3	E9303	1	-	-1
E9011	1	-	-1	E9197	118	109	-9	E9307	2	-	-2
E9018	8	7	-1	E9198	113	108	-5	E9308	1	-	-1
E9019	377	395	18	E9199	58	54	-4	E9318	1	-	-1
E9021	1	2	1	E9200	6	7	1	E9320	2	-	-2
E9022	8	1	-7	E9204	6	5	-1	E9322	2	-	-2
E9040	5	3	-2	E9208	54	51	-3	E9323	5	6	1
E9041	126	149	23	E9209	29	30	1	E9325	2	-	-2
E9043	169	167	-2	E9210	19	21	2	E9331	5	4	-1
E9049	5	9	4	E9211	8	9	1	E9338	1	-	-1
E9050	6	3	-3	E9218	42	40	-2	E9342	4	-	-4
E9053	39	32	-7	E9219	6	8	2	E9345	2	1	-1
E9055	4	6	2	E9220	224	253	29	E9350	2	1	-1
E9059	1	-	-1	E9221	273	281	8	E9358	2	3	1
E9060	19	21	2	E9222	140	148	8	E9381	1	2	1
E9063	2	1	-1	E9228	3	-	-3	E9383	2	1	-1
E9069	8	6	-2	E9229	1231	1292	61	E9384	5	-	-5
E907	87	73	-14	E9230	4	3	-1	E9385	3	2	-1
E908	87	89	2	E9231	15	10	-5	E9387	1	2	1
E9100	6	3	-3	E9232	163	166	3	E9389	17	9	-8
E9102	1356	1333	-23	E9238	92	94	2	E9391	4	3	-1
E9103	63	57	-6	E9239	77	79	2	E9392	2	4	2
E9104	294	304	10	E9240	153	152	-1	E9413	2	3	1

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 1

NUMBER OF RESIDENT DEATHS TABULATED BY UNDERLYING CAUSE OF DEATH FROM TWO DIFFERENT FILES
BY ICD-9 CATEGORY: UNITED STATES, 1981
(ONLY THOSE CATEGORIES WITH A DIFFERENCE ARE PRINTED)

ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS			ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS			ICD-9 CODE	UNDERLYING CAUSE OF DEATH COUNTS		
	UC PUBLIC USE FILE	MC PUBLIC USE FILE	DEATH COUNTS DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DEATH COUNTS DIFFERENCE		UC PUBLIC USE FILE	MC PUBLIC USE FILE	DEATH COUNTS DIFFERENCE
E9420	3	-	-3	E9586	1	-	-1	E9809	52	51	-1
E9421	4	1	-3	E9588	32	34	2	E9810	3	4	1
E9444	1	-	-1	E9589	44	48	4	E9811	2	4	2
E9447	1	2	1	E959	13	7	-6	E9818	1	2	1
E9457	2	-	-2	E9600	76	82	6	E9820	136	138	2
E9460	2	3	1	E9601	4	5	1	E9828	15	11	-4
E9479	64	75	11	E961	1	-	-1	E9829	2	-	-2
E9480	2	4	2	E9620	31	33	2	E9830	58	53	-5
E9500	295	286	-9	E9621	3	6	3	E9831	7	6	-1
E9501	387	394	7	E9622	14	11	-3	E9839	28	27	-1
E9502	113	121	8	E9629	2	1	-1	E984	396	386	-10
E9503	806	774	-32	E963	940	931	-9	E9850	95	66	-29
E9504	531	514	-17	E964	91	78	-13	E9851	47	48	1
E9505	598	599	1	E9650	1070	1005	-65	E9853	1	-	-1
E9506	55	60	5	E9651	1395	1326	-69	E9854	517	490	-27
E9507	37	38	1	E9652	220	221	1	E986	29	24	-5
E9508	8	10	2	E9653	3	1	-2	E9870	60	53	-7
E9509	148	141	-7	E9654	12401	12412	11	E9871	33	34	1
E9510	27	29	2	E9657	1	-	-1	E9872	9	7	-2
E9518	5	4	-1	E9659	7	5	-2	E9879	64	67	3
E9520	1986	1938	-48	E966	4312	4378	66	E9880	25	27	2
E9521	402	403	1	E9670	24	18	-6	E9881	217	238	21
E9529	3	2	-1	E9671	7	2	-5	E9883	23	24	1
E9530	3472	3491	19	E9679	194	160	-34	E9884	7	8	1
E9531	174	167	-7	E9680	230	229	-1	E9885	14	10	-4
E9538	49	50	1	E9681	23	22	-1	E9886	5	4	-1
E9539	60	62	2	E9682	414	370	-44	E9887	1	-	-1
E954	543	550	7	E9683	11	13	2	E9888	195	184	-11
E9550	2365	2374	9	E9684	20	16	-4	E9889	618	620	2
E9551	2085	2113	28	E9688	755	791	36	E989	29	28	-1
E9552	1017	1039	22	E9689	1056	1087	31	E999	16	23	7
E9554	10672	10699	27	E969	46	45	-1				
E9559	4	3	-1	E970	272	274	2				
E956	383	369	-14	E972	1	-	-1				
E9570	339	333	-6	E973	3	5	2				
E9571	336	318	-18	E975	6	2	-4				
E9572	11	9	-2	E978	1	2	1				
E9579	134	135	1	E9800	214	210	-4				
E9580	224	212	-12	E9801	59	52	-7				
E9581	138	126	-12	E9802	24	20	-4				
E9582	2	1	-1	E9803	138	149	11				
E9583	5	4	-1	E9804	190	193	3				
E9584	20	12	-8	E9805	173	165	-8				
E9585	37	43	6	E9807	5	3	-2				

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 MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
 CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
 OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
0010	4	4	-	4	0083	-	-	-	-	0171	-	2	2	2
0011	-	-	-	-	0084	16	25	9	25	0172	2	6	4	4
0019	-	-	-	-	0085	8	8	-	8	0173	2	3	1	3
0020	1	1	-	1	0086	-	1	1	1	0174	-	-	-	-
0021	2	2	-	2	0088	148	234	87	236	0175	-	-	-	-
0022	-	-	-	-	0090	194	279	85	281	0176	4	8	4	6
0023	-	-	-	-	0092	9	15	6	15	0177	-	1	1	1
0029	-	-	-	-	0100	-	2	2	2	0178	11	25	14	20
0030	30	54	24	54	0101	-	-	-	-	0180	-	-	-	-
0031	50	77	27	77	0108	-	-	-	-	0188	-	1	1	1
0032	9	12	3	11	0109	-	-	-	-	0189	185	292	107	283
0038	-	1	1	-	0110	2	2	-	2	0200	-	-	-	-
0039	12	27	16	31	0111	1	1	-	1	0201	-	-	-	-
0040	-	-	-	-	0112	89	143	66	136	0202	-	-	-	-
0041	-	-	-	-	0113	22	23	2	-	0203	-	-	-	-
0042	-	-	-	-	0114	62	46	10	20	0204	-	-	-	-
0043	-	-	-	-	0115	8	10	2	4	0205	2	2	-	2
0048	-	-	-	-	0116	190	198	24	66	0208	-	-	-	-
0049	12	17	5	17	0117	9	5	-	-	0209	-	-	-	-
0050	-	-	-	-	0118	13	21	8	15	021	1	1	-	1
0051	3	3	-	3	0119	1095	2994	1901	3270	0220	-	-	-	-
0052	-	-	-	-	0120	21	48	28	25	0221	-	-	-	-
0053	-	-	-	-	0121	-	2	2	2	0222	-	-	-	-
0054	-	-	-	-	0122	-	-	-	-	0223	-	-	-	-
0058	-	-	-	-	0123	-	-	-	-	0228	-	-	-	-
0059	2	3	1	3	0128	-	4	4	2	0229	-	-	-	-
0060	-	-	-	-	0130	43	65	22	62	0230	-	-	-	-
0061	-	1	1	1	0131	-	-	-	-	0231	-	-	-	-
0062	-	-	-	-	0138	3	7	4	7	0232	-	-	-	-
0063	7	7	-	3	0139	3	3	-	3	0233	-	-	-	-
0064	-	-	-	-	014	14	29	15	25	0238	-	-	-	-
0065	1	1	-	1	0150	45	97	52	97	0239	2	2	-	2
0066	-	-	-	-	0151	-	1	1	1	024	-	-	-	-
0068	2	2	-	2	0152	-	1	1	1	025	-	-	-	-
0069	8	13	5	17	0157	-	-	-	-	0260	-	-	-	-
0070	-	-	-	-	0158	-	-	-	-	0261	-	-	-	-
0071	3	6	3	6	0159	1	10	9	7	0269	-	-	-	-
0072	-	-	-	-	0160	7	31	24	31	0270	71	93	22	93
0073	-	-	-	-	0161	-	2	2	2	0271	-	-	-	-
0078	-	-	-	-	0162	-	1	1	1	0272	5	6	1	6
0079	-	-	-	-	0163	-	-	-	-	0278	1	1	-	1
0080	1	2	1	2	0164	-	-	-	-	0279	-	-	-	-
0081	-	-	-	-	0169	-	3	3	2	0300	-	-	-	-
0082	-	-	-	-	0170	29	113	84	113	0301	-	4	4	4

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 MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
 CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
 OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
0302	-	-	-	-	0401	-	-	-	-	0532	9	34	25	34
0303	-	-	-	-	0402	4	9	5	9	0537	5	12	7	12
0308	-	-	-	-	0403	-	-	-	-	0538	1	2	1	2
0309	2	6	4	6	0408	72	84	12	84	0539	159	727	568	755
0310	73	143	70	142	0410	13	25	12	25	0540	-	2	2	2
0311	-	1	1	1	0411	37	112	75	112	0541	-	2	2	2
0318	-	1	1	1	0412	14	17	3	17	0542	-	3	3	3
0319	24	58	34	59	0413	6	9	3	9	0543	188	213	25	212
0320	-	-	-	-	0414	8	18	10	18	0544	-	4	4	3
0321	-	-	-	-	0415	6	20	14	20	0545	11	12	1	11
0322	-	-	-	-	0416	7	16	9	16	0546	-	-	-	-
0323	-	-	-	-	0417	40	99	59	99	0547	12	19	7	19
0328	-	-	-	-	0418	37	78	41	78	0548	-	-	-	-
0329	-	-	-	-	0419	26	51	26	67	0549	51	118	67	123
0330	-	-	-	-	0450	-	-	-	-	0550	4	5	1	5
0331	-	-	-	-	0451	-	-	-	-	0551	-	-	-	-
0338	-	-	-	-	0452	-	-	-	-	0552	-	-	-	-
0339	4	6	2	6	0459	-	-	-	-	0557	-	-	-	-
0340	6	10	4	10	0460	-	-	-	-	0558	-	-	-	-
0341	2	4	2	4	0461	166	203	37	214	0559	-	2	2	2
035	5	16	11	16	0462	18	23	5	23	0560	-	1	1	1
0360	168	183	15	183	0463	27	37	10	37	0567	-	-	-	-
0361	-	-	-	-	0468	-	-	-	-	0568	-	-	-	-
0362	217	273	56	272	0469	-	-	-	-	0569	5	7	2	7
0363	56	71	16	72	0470	-	-	-	-	0570	-	-	-	-
0364	-	-	-	-	0471	-	-	-	-	0578	-	2	2	2
0368	-	-	-	-	0478	-	-	-	-	0579	-	-	-	-
0369	4	4	-	6	0479	33	48	15	48	0600	-	-	-	-
037	27	34	7	34	048	31	35	4	35	0601	-	-	-	-
0380	129	403	274	403	0490	10	13	3	13	0609	-	-	-	-
0381	481	1859	1378	1859	0491	-	-	-	-	061	-	-	-	-
0382	116	264	148	451	0498	3	3	-	3	0620	-	-	-	-
0383	49	233	184	233	0499	147	181	35	182	0621	-	-	-	-
0384	1430	7972	6542	7972	0500	-	-	-	-	0622	-	-	-	-
0388	78	364	287	365	0501	-	-	-	-	0623	-	-	-	-
0389	8111	50885	42774	51087	0502	-	-	-	-	0624	-	-	-	-
0390	1	1	-	1	0509	-	-	-	-	0625	-	-	-	-
0391	33	53	20	51	0510	-	-	-	-	0628	-	-	-	-
0392	-	-	-	-	0511	-	-	-	-	0629	-	2	2	2
0393	-	-	-	-	0512	1	1	-	1	0630	-	-	-	-
0394	-	-	-	-	0519	-	-	-	-	0631	-	-	-	-
0398	14	20	6	20	052	88	123	35	123	0632	-	-	-	-
0399	12	30	18	32	0530	-	-	-	-	0638	-	-	-	-
0400	105	194	89	194	0531	19	59	40	38	0639	-	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	TOTAL RECORD MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	TOTAL RECORD MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	TOTAL RECORD MENTION	AXIS SECOND- ARY	ENTITY AXIS
064	-	-	-	-	0774	-	-	-	-	0850	-	-	-	-
0650	-	-	-	-	0778	-	-	-	-	0851	-	-	-	-
0651	-	-	-	-	0779	-	-	-	-	0852	-	-	-	-
0652	-	-	-	-	0780	-	-	-	-	0853	-	-	-	-
0653	-	-	-	-	0781	-	3	3	3	0854	-	-	-	-
0654	-	-	-	-	0782	-	-	-	-	0855	-	-	-	-
0658	-	-	-	-	0783	-	-	-	-	0859	-	-	-	-
0659	-	-	-	-	0784	-	-	-	-	0860	-	-	-	-
0660	-	-	-	-	0785	64	99	35	99	0861	-	-	-	-
0661	-	-	-	-	0786	-	-	-	-	0862	-	-	-	-
0662	-	-	-	-	0787	-	-	-	-	0863	-	-	-	-
0663	-	-	-	-	0788	56	116	60	116	0864	-	-	-	-
0668	-	-	-	-	0790	-	-	-	-	0865	-	-	-	-
0669	-	-	-	-	0791	1	4	3	4	0869	-	-	-	-
0700	8	8	-	-	0792	2	2	-	2	0870	-	-	-	-
0701	80	133	53	141	0793	-	-	-	-	0871	-	-	-	-
0702	37	39	2	1	0798	6	8	2	8	0879	-	1	1	1
0703	308	483	175	521	0799	295	560	265	571	0880	-	-	-	-
0704	-	-	-	-	080	-	-	-	-	0888	-	-	-	-
0705	1	1	-	1	0810	-	-	-	-	0889	-	-	-	-
0706	50	53	3	-	0811	-	1	1	1	0900	-	-	-	-
0709	346	432	86	485	0812	-	-	-	-	0901	...	2	2	2
071	2	2	-	2	0819	-	-	-	-	0902	-	-	-	-
0720	-	-	-	-	0820	36	39	3	39	0903	-	-	-	-
0721	-	-	-	-	0821	-	-	-	-	0904	2	2	-	2
0722	-	3	3	3	0822	-	-	-	-	0905	3	3	-	3
0723	-	-	-	-	0823	-	-	-	-	0906	...	-	-	-
0727	-	-	-	-	0828	-	-	-	-	0907	-	-	-	-
0728	-	-	-	-	0829	-	-	-	-	0909	8	14	6	14
0729	1	1	-	1	0830	-	-	-	-	0910	-	-	-	-
073	-	1	1	1	0831	-	-	-	-	0911	-	-	-	-
0740	-	2	2	2	0832	-	-	-	-	0912	-	-	-	-
0741	-	-	-	-	0838	-	-	-	-	0913	1	1	-	1
0742	6	6	-	6	0839	-	-	-	-	0914	-	-	-	-
0743	-	-	-	-	0840	1	2	1	2	0915	-	-	-	-
0748	-	-	-	-	0841	-	-	-	-	0916	-	-	-	-
075	13	23	10	23	0842	-	-	-	-	0917	-	-	-	-
0760	-	-	-	-	0843	-	-	-	-	0918	-	-	-	-
0761	-	-	-	-	0844	-	-	-	-	0919	-	2	2	2
0769	-	-	-	-	0845	-	-	-	-	0920	...	-	-	-
0770	-	-	-	-	0846	5	11	6	11	0929	...	-	-	-
0771	-	-	-	-	0847	-	-	-	-	0930	10	12	3	8
0772	-	-	-	-	0848	-	-	-	-	0931	18	32	14	32
0773	-	-	-	-	0849	-	-	-	-	0932	13	16	3	7

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
0938	9	19	11	14	1031	-	-	-	-	1177	29	53	24	53
0939	5	6	1	5	1032	-	-	-	-	1178	-	-	-	-
0940	13	31	18	31	1033	-	-	-	-	1179	116	310	194	321
0941	9	28	19	28	1039	-	-	-	-	118	-	-	-	-
0942	2	6	4	6	1040	-	-	-	-	1200	-	-	-	-
0943	...	-	-	-	1048	-	-	-	-	1201	2	2	-	2
0948	5	12	9	8	1049	-	-	-	-	1202	-	-	-	-
0949	19	74	55	78	1100	-	-	-	-	1203	-	-	-	-
095	1	4	3	4	1101	-	1	1	1	1208	-	1	1	1
096	...	20	20	20	1102	-	-	-	-	1209	8	9	1	9
0970	9	70	61	74	1103	-	-	-	-	1210	-	-	-	-
0971	...	44	44	44	1104	-	-	-	-	1211	2	2	-	2
0979	5	84	79	101	1105	-	-	-	-	1212	-	-	-	-
0980	2	4	2	4	1106	-	-	-	-	1213	-	2	2	2
0981	-	-	-	-	1108	-	-	-	-	1214	-	-	-	-
0982	-	-	-	-	1109	-	-	-	-	1215	-	-	-	-
0983	-	-	-	-	1110	-	-	-	-	1216	-	-	-	-
0984	-	-	-	-	1111	-	-	-	-	1218	-	-	-	-
0985	-	-	-	-	1112	-	-	-	-	1219	-	-	-	-
0986	-	-	-	-	1113	-	-	-	-	1220	-	-	-	-
0987	-	-	-	-	1118	-	-	-	-	1221	-	-	-	-
0988	2	2	-	2	1119	-	5	5	5	1222	-	-	-	-
0990	-	-	-	-	1120	5	32	27	32	1223	-	-	-	-
0991	-	-	-	-	1121	-	2	2	2	1224	-	-	-	-
0992	-	1	1	1	1122	3	6	3	6	1225	-	-	-	-
0993	1	5	4	5	1123	1	2	2	2	1226	-	-	-	-
0994	-	-	-	-	1124	36	80	47	79	1227	-	-	-	-
0998	-	-	-	-	1125	204	414	210	414	1228	-	1	1	1
0999	-	3	3	3	1128	26	121	95	121	1229	2	4	2	5
1000	1	1	-	1	1129	50	175	125	183	1230	-	-	-	-
1008	1	1	-	1	114	81	111	30	111	1231	10	10	-	10
1009	5	5	-	5	1150	17	29	12	29	1232	-	-	-	-
101	3	3	-	3	1151	-	-	-	-	1233	-	-	-	-
1020	-	-	-	-	1159	35	68	33	73	1234	-	-	-	-
1021	-	-	-	-	1160	36	48	12	48	1235	-	-	-	-
1022	-	-	-	-	1161	-	2	2	2	1236	-	-	-	-
1023	-	-	-	-	1162	-	-	-	-	1238	-	-	-	-
1024	-	-	-	-	1170	-	-	-	-	1239	-	-	-	-
1025	-	-	-	-	1171	-	1	1	1	124	-	1	1	1
1026	-	-	-	-	1172	1	1	-	1	1250	-	-	-	-
1027	-	-	-	-	1173	121	256	135	256	1251	-	-	-	-
1028	...	-	-	-	1174	-	-	-	-	1252	-	-	-	-
1029	-	-	-	-	1175	128	241	113	241	1253	-	-	-	-
1030	-	-	-	-	1176	-	-	-	-	1254	-	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

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1255	-	-	-	-	1361	7	8	1	8	1448	-	-	-	-
1256	-	-	-	-	1362	-	-	-	-	1449	516	653	137	653
1257	-	-	-	-	1363	170	215	45	215	1450	36	46	10	46
1259	-	2	2	2	1364	-	-	-	-	1451	-	2	2	2
1260	-	-	-	-	1365	-	-	-	-	1452	28	44	16	44
1261	-	-	-	-	1368	3	4	1	4	1453	102	153	51	153
1262	-	-	-	-	1369	243	1268	1025	1735	1454	15	17	2	17
1263	-	-	-	-	1370	286	1169	883	1169	1455	150	222	72	222
1268	-	-	-	-	1371	2	7	5	7	1456	38	44	6	44
1269	-	-	-	-	1372	3	4	1	4	1458	1	2	1	2
1270	-	-	-	-	1373	-	4	4	4	1459	873	1065	192	1132
1271	-	-	-	-	1374	3	6	3	6	1460	586	721	135	721
1272	7	19	12	19	138	100	390	290	390	1461	49	67	18	67
1273	-	-	-	-	1390	2	2	-	2	1462	19	21	2	21
1274	-	-	-	-	1391	-	-	-	-	1463	5	9	4	9
1275	-	-	-	-	1398	27	72	45	72	1464	-	-	-	-
1276	-	-	-	-	1400	3	6	3	6	1465	-	-	-	-
1277	-	-	-	-	1401	31	39	8	39	1466	-	-	-	-
1278	-	-	-	-	1403	-	-	-	-	1467	-	-	-	-
1279	-	-	-	-	1404	2	2	-	2	1468	1	2	1	2
1280	-	-	-	-	1405	-	-	-	-	1469	411	482	71	484
1281	-	-	-	-	1406	-	-	-	-	1470	-	-	-	-
1288	-	-	-	-	1408	-	-	-	-	1471	11	11	-	11
1289	2	2	-	2	1409	125	177	52	177	1472	-	-	-	-
129	10	10	-	10	1410	219	272	53	272	1473	1	1	-	1
130	6	10	4	10	1411	-	-	-	-	1478	1	1	-	1
1310	-	-	-	-	1412	1	2	1	2	1479	657	737	80	737
1318	-	-	-	-	1413	-	-	-	-	1480	5	5	-	5
1319	1	1	-	1	1414	-	2	2	2	1481	255	311	56	311
1320	-	-	-	-	1415	-	-	-	-	1482	5	5	-	5
1321	-	-	-	-	1416	14	16	2	16	1483	2	2	-	2
1322	-	-	-	-	1418	-	-	-	-	1488	-	-	-	-
1323	-	-	-	-	1419	1689	2154	465	2155	1489	381	475	94	477
1329	2	4	2	4	1420	492	584	92	584	1490	1429	1813	384	1848
1330	1	2	1	2	1421	34	44	10	44	1491	-	-	-	-
1338	-	-	-	-	1422	-	-	-	-	1498	-	-	-	-
1339	-	-	-	-	1428	2	2	-	2	1499	-	-	-	-
1340	-	6	6	6	1429	76	97	21	97	1500	32	39	7	39
1341	-	-	-	-	1430	30	39	9	39	1501	4	9	5	9
1342	-	-	-	-	1431	95	135	40	135	1502	-	-	-	-
1348	-	-	-	-	1438	1	1	-	1	1503	24	29	5	29
1349	3	3	-	3	1439	60	91	31	92	1504	48	53	5	53
135	330	609	279	609	1440	5	5	-	5	1505	122	149	27	149
1360	-	1	1	1	1441	-	-	-	-	1508	-	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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1509	7999	8851	852	8852	1578	1	1	-	1	1701	90	124	34	124
1510	397	434	37	434	1579	20406	21745	1339	21755	1702	85	112	27	112
1511	7	12	5	12	1580	395	440	45	440	1703	22	24	2	24
1512	29	33	4	33	1588	54	84	30	84	1704	37	40	3	40
1513	29	29	-	29	1589	126	175	49	178	1705	-	-	-	-
1514	3	4	1	4	1590	1593	1936	344	1965	1706	85	92	7	92
1515	1	1	-	1	1591	11	30	19	30	1707	135	144	9	144
1516	-	-	-	-	1598	3	3	-	3	1708	1	1	-	1
1518	4	4	-	4	1599	560	676	116	691	1709	586	681	95	685
1519	13992	15584	1592	15589	1600	40	51	11	51	1710	57	68	11	68
1520	263	314	51	314	1601	12	16	4	16	1712	67	85	18	85
1521	68	82	14	82	1602	280	314	34	314	1713	257	308	51	308
1522	97	115	18	115	1603	53	57	4	57	1714	78	92	14	92
1523	-	-	-	-	1604	12	13	1	13	1715	139	170	31	170
1528	-	-	-	-	1605	13	17	4	17	1716	89	113	24	113
1529	333	399	66	400	1608	-	-	-	-	1717	14	16	2	16
1530	68	79	11	79	1609	63	80	17	80	1718	3	3	-	3
1531	545	642	97	642	1610	52	98	46	98	1719	1852	1987	135	2000
1532	605	748	144	749	1611	190	226	36	226	1720	3	4	1	4
1533	2495	3007	513	3027	1612	6	7	1	7	1721	1	1	-	1
1534	1785	2227	442	2227	1613	2	2	-	2	1722	24	26	2	26
1535	68	76	8	76	1618	-	-	-	-	1723	67	79	12	79
1536	1238	1537	299	1537	1619	3257	4449	1192	4458	1724	95	112	17	112
1537	70	88	18	88	1620	161	199	38	199	1725	299	322	23	322
1538	6	9	3	9	1622	189	228	39	228	1726	146	166	20	166
1539	37450	43755	6305	43880	1623	1488	1768	280	1768	1727	168	185	17	185
1540	1347	1537	190	1479	1624	83	131	48	131	1728	-	-	-	-
1541	7053	8570	1517	8628	1625	520	660	140	660	1729	4192	4559	368	4589
1542	10	13	3	13	1628	4	4	-	4	1730	11	27	16	27
1543	212	251	39	251	1629	104040	113237	9203	113272	1731	9	23	14	23
1548	74	92	18	92	1630	7	8	1	8	1732	141	247	106	247
1550	2467	2759	292	2759	1631	-	-	-	-	1733	274	577	303	583
1551	516	538	22	538	1638	-	-	-	-	1734	560	757	197	757
1552	2927	3493	567	3504	1639	353	445	92	445	1735	67	104	37	104
1560	2285	2508	223	2508	1640	86	110	24	110	1736	50	86	36	86
1561	1299	1462	163	1462	1641	65	80	15	80	1737	57	87	30	87
1562	306	367	61	367	1642	2	4	2	4	1738	-	-	-	-
1568	-	-	-	-	1643	2	3	1	3	1739	330	620	290	623
1569	432	463	31	496	1648	-	-	-	-	1740	7	18	11	18
1570	1204	1349	145	1349	1649	235	328	93	333	1741	-	-	-	-
1571	79	96	17	96	1650	2	4	2	4	1742	-	-	-	-
1572	71	101	30	101	1658	1	1	-	1	1743	-	-	-	-
1573	5	5	-	5	1659	9	11	2	11	1744	-	-	-	-
1574	118	125	7	125	1700	83	110	27	110	1745	-	-	-	-

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1746	3	3	-	3	1885	2	3	1	3	1946	19	21	2	21		
1748	-	-	-	-	1886	-	1	1	1	1948	-	-	-	-		
1749	36564	42971	6407	42973	1887	9	10	1	10	1949	6	8	2	8		
175	258	341	83	341	1888	1	3	2	3	1950	859	1094	238	1366		
179	2821	3565	744	3619	1889	9761	12925	3165	12926	1951	214	259	46	319		
1800	67	68	1	68	1890	7578	8749	1171	8749	1952	1256	1448	192	1678		
1801	-	-	-	-	1891	141	158	17	158	1953	349	420	71	487		
1808	5	7	2	7	1892	278	382	104	382	1954	9	22	13	26		
1809	4736	5458	722	5458	1893	149	206	57	206	1955	53	67	14	75		
181	20	23	3	23	1894	-	-	-	-	1958	33	42	9	50		
1820	3097	3614	517	3614	1898	1	1	-	1	1960	...	326	326	326		
1821	-	-	-	-	1899	41	62	21	64	1961	...	209	209	209		
1828	-	-	-	-	1900	3	5	2	5	1962	...	297	297	297		
1830	10865	11691	826	11691	1901	45	64	19	64	1963	...	87	87	87		
1832	137	152	15	152	1902	5	7	2	7	1965	...	35	35	35		
1833	-	-	-	-	1903	2	4	2	4	1966	...	23	23	23		
1834	-	1	1	1	1904	-	-	-	-	1968	...	2	2	2		
1835	-	-	-	-	1905	28	28	-	28	1969	...	1617	1617	1617		
1838	5	5	-	5	1906	4	5	1	5	1970	...	17960	17960	17960		
1839	3	5	2	5	1907	5	6	1	6	1971	...	873	873	873		
1840	350	430	80	430	1908	-	1	1	1	1972	...	1379	1379	1379		
1841	8	10	2	10	1909	173	240	67	240	1973	...	313	313	313		
1842	-	-	-	-	1910	597	619	22	619	1974	...	249	249	249		
1843	4	6	2	6	1911	333	355	22	355	1975	...	1948	1948	1948		
1844	560	730	170	730	1912	234	262	28	262	1976	...	2066	2066	2066		
1848	13	15	2	15	1913	248	305	57	305	1977	...	25969	25969	25969		
1849	60	64	4	65	1914	24	42	18	42	1978	...	1847	1847	1847		
185	23377	32916	9539	32916	1915	30	37	7	37	1980	...	641	641	641		
1860	-	-	-	-	1916	242	265	23	265	1981	...	765	765	765		
1869	426	538	112	538	1917	193	203	10	203	1982	...	821	821	821		
1871	-	-	-	-	1918	74	81	7	81	1983	...	18509	18509	18509		
1872	1	6	5	6	1919	7130	7609	488	7630	1984	...	1105	1105	1105		
1873	-	1	1	1	1920	18	20	2	20	1985	...	13858	13858	13858		
1874	169	258	89	258	1921	136	162	27	163	1986	...	214	214	214		
1875	-	-	-	-	1922	86	124	38	124	1987	...	483	483	483		
1876	9	13	4	13	1923	2	3	1	3	1988	...	12895	12895	12895		
1877	15	20	5	20	1928	-	1	1	1	1990	3165	49471	46306	49471		
1878	1	4	3	4	1929	49	56	7	56	1991	24453	66956	42505	59377		
1879	13	16	3	16	193	940	1147	207	1147	2000	2577	2913	336	2913		
1880	1	1	-	1	1940	553	602	49	602	2001	2068	2434	366	2434		
1881	1	2	1	2	1941	13	22	9	22	2002	108	114	6	114		
1882	-	-	-	-	1943	36	40	4	40	2008	246	283	37	283		
1883	-	-	-	-	1944	36	41	5	41	2010	1	1	-	1		
1884	1	1	-	1	1945	2	2	-	2	2011	-	-	-	-		

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2012	3	3	-	3	2101	-	-	-	-	2155	-	1	1	1		
2014	5	6	1	6	2102	2	11	9	11	2156	-	2	2	2		
2015	42	44	2	44	2103	-	-	-	-	2157	-	-	-	-		
2016	15	15	-	15	2104	-	-	-	-	2158	-	4	4	4		
2017	37	41	4	41	2105	-	-	-	-	2159	7	29	22	29		
2019	1839	2403	564	2410	2106	-	-	-	-	2160	-	-	-	-		
2020	249	312	63	312	2107	-	-	-	-	2161	-	-	-	-		
2021	136	200	64	200	2108	-	-	-	-	2162	-	-	-	-		
2022	20	39	19	39	2109	-	2	2	2	2163	-	-	-	-		
2023	65	71	6	71	2110	3	4	1	4	2164	1	3	2	3		
2024	150	195	45	195	2111	16	76	60	76	2165	4	6	2	6		
2025	1	1	-	1	2112	4	15	11	15	2166	-	2	2	2		
2026	1	1	-	1	2113	32	215	184	216	2167	1	3	2	3		
2028	7076	8651	1575	8794	2114	5	20	15	20	2168	1	1	-	1		
2029	71	96	25	112	2115	10	17	7	17	2169	20	31	11	31		
2030	6681	8191	1511	8191	2116	16	20	4	20	217	-	9	9	9		
2031	32	65	33	65	2117	17	38	21	38	218	25	98	73	98		
2038	27	38	11	38	2118	1	6	5	6	2190	-	1	1	1		
2040	1341	1495	154	1516	2119	1	1	1	2	2191	-	-	-	-		
2041	2844	4788	1944	4788	2120	-	1	1	1	2198	-	-	-	-		
2042	9	11	2	11	2121	7	8	1	8	2199	3	10	7	10		
2048	1	3	2	3	2122	2	6	4	6	220	22	72	50	72		
2049	461	693	232	696	2123	20	26	6	27	2210	-	2	2	2		
2050	4902	5228	329	5331	2124	4	4	-	4	2211	-	-	-	-		
2051	2067	2505	438	2505	2125	2	4	2	4	2212	-	-	-	-		
2052	57	64	7	64	2126	12	30	18	30	2218	-	-	-	-		
2053	17	25	8	25	2127	21	34	13	34	2219	-	-	-	-		
2058	3	5	2	5	2128	-	-	-	-	2220	-	-	-	-		
2059	416	520	104	526	2129	-	-	-	-	2221	-	1	1	1		
2060	239	259	20	260	2130	3	6	3	6	2222	-	5	5	5		
2061	10	21	11	21	2131	1	3	2	3	2223	-	-	-	-		
2062	3	3	-	3	2132	3	4	1	4	2224	-	-	-	-		
2068	-	-	-	-	2133	-	1	1	1	2228	-	-	-	-		
2069	56	73	17	73	2134	-	-	-	-	2229	-	-	-	-		
2070	231	279	48	279	2135	-	-	-	-	2230	3	22	19	22		
2071	-	-	-	-	2136	-	-	-	-	2231	-	-	-	-		
2072	8	15	7	15	2137	-	2	2	2	2232	-	-	-	-		
2078	74	100	26	100	2138	-	-	-	-	2233	-	3	3	3		
2080	2054	2264	210	2358	2139	-	2	2	2	2238	-	-	-	-		
2081	134	271	137	274	214	11	37	26	37	2239	-	-	-	-		
2082	21	21	-	22	2150	-	-	-	-	2240	-	-	-	-		
2088	67	95	28	101	2152	1	2	1	2	2241	-	-	-	-		
2089	1300	1872	573	2071	2153	-	2	2	2	2242	-	-	-	-		
2100	-	-	-	-	2154	1	1	-	1	2243	-	-	-	-		

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2244	-	-	-	-	2322	-	-	-	-	2375	29	40	11	40
2245	-	-	-	-	2323	-	-	-	-	2376	2	3	1	3
2246	1	1	-	1	2324	-	-	-	-	2377	52	215	163	215
2247	-	-	-	-	2325	-	-	-	-	2379	-	-	-	-
2248	-	-	-	-	2326	-	-	-	-	2380	8	15	7	15
2249	-	-	-	-	2327	-	2	2	2	2381	18	37	19	37
2250	127	157	33	160	2328	-	-	-	-	2382	2	2	-	2
2251	58	91	33	91	2329	2	5	3	5	2383	7	8	1	8
2252	706	1128	423	1128	2330	-	1	1	1	2384	307	1137	830	1137
2253	2	5	3	5	2331	3	7	4	7	2385	-	-	-	-
2254	4	6	2	6	2332	-	-	-	-	2386	39	71	32	71
2258	-	-	-	-	2333	-	-	-	-	2387	523	944	421	944
2259	1	3	2	3	2334	-	1	1	1	2388	6	13	7	13
226	11	39	28	39	2335	-	-	-	-	2389	48	91	43	91
2270	45	117	72	117	2336	-	-	-	-	2390	310	692	382	705
2271	12	64	52	64	2337	-	-	-	-	2391	335	771	436	772
2273	125	215	90	215	2339	-	-	-	-	2392	32	72	40	73
2274	-	-	-	-	2340	-	-	-	-	2393	-	41	41	42
2275	-	-	-	-	2348	-	-	-	-	2394	36	155	119	155
2276	2	2	-	2	2349	-	2	2	2	2395	79	244	165	251
2278	-	-	-	-	2350	-	-	-	-	2396	2213	2730	517	2731
2279	-	-	-	2	2351	-	-	-	-	2397	136	356	220	362
2280	45	98	53	98	2352	72	151	79	151	2398	229	483	254	485
2281	47	87	40	87	2353	15	20	5	20	2399	81	190	109	400
2290	-	-	-	-	2354	9	9	-	9	2400	-	-	-	-
2298	4	10	6	10	2355	9	15	6	15	2409	25	201	176	215
2299	10	25	15	25	2356	-	-	-	-	2410	3	28	25	28
2300	1	3	2	3	2357	21	30	9	30	2411	-	39	39	40
2301	-	-	-	-	2358	4	6	2	6	2419	4	69	65	72
2302	-	1	1	1	2359	-	-	-	-	2420	23	82	59	69
2303	-	2	2	2	2360	2	2	-	2	2421	-	-	-	-
2304	-	4	4	4	2361	-	1	1	1	2422	3	12	9	11
2305	-	-	-	-	2362	12	20	8	20	2423	1	16	15	13
2306	-	-	-	-	2363	-	2	2	2	2424	-	4	4	4
2307	-	-	-	-	2364	-	-	-	-	2428	-	-	-	-
2308	1	4	3	4	2365	-	-	-	-	2429	125	633	508	667
2309	-	-	-	-	2366	-	-	-	-	243	10	44	34	44
2310	-	-	-	-	2367	2	12	10	12	2440	...	11	11	11
2311	-	-	-	-	2369	4	7	3	7	2441	-	1	1	1
2312	2	2	-	2	2370	60	79	19	79	2442	-	-	-	-
2318	-	-	-	-	2371	12	17	5	17	2443	-	1	1	1
2319	-	-	-	-	2372	-	-	-	-	2448	2	4	2	4
2320	-	-	-	-	2373	5	8	3	8	2449	569	4849	4280	4849
2321	-	-	-	-	2374	-	5	5	5	2450	4	12	8	12

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	UC	RECORD COUNT BY CODE FIELD				ICD-9 CODE	UC	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS			UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS			UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
2451	-	1	1	1	2541	-	-	-	-	2641	-	-	-	-		
2452	3	20	17	20	2548	1	7	6	7	2642	-	-	-	-		
2453	2	4	2	4	2549	1	1	-	1	2643	-	-	-	-		
2454	-	-	-	-	2550	40	217	177	217	2644	-	-	-	-		
2458	2	16	14	16	2551	2	25	23	25	2645	-	-	-	-		
2459	3	16	13	19	2552	4	13	9	13	2646	-	-	-	-		
2460	-	-	-	-	2553	2	38	36	38	2647	-	-	-	-		
2461	-	1	1	1	2554	180	1093	913	1094	2648	-	-	-	-		
2462	-	5	5	5	2555	-	4	4	4	2649	2	5	3	5		
2463	1	7	6	7	2556	-	4	4	4	2650	-	3	3	3		
2468	3	11	8	11	2558	11	84	73	84	2651	16	63	47	65		
2469	12	93	81	104	2559	5	30	25	34	2652	-	5	5	5		
2500	26441	120083	93667	133353	2560	-	-	-	-	2660	-	-	-	-		
2501	1707	2851	1148	1794	2561	-	-	-	-	2661	-	-	-	-		
2502	1160	1916	756	1119	2562	-	-	-	-	2662	5	53	48	63		
2503	2225	3965	1741	1415	2563	-	1	1	1	2669	2	3	1	4		
2504	115	420	305	148	2564	2	5	3	5	267	4	21	17	21		
2505	197	554	359	225	2568	-	-	-	-	2680	-	6	6	6		
2506	2320	5548	3233	355	2569	-	-	-	-	2681	1	1	-	1		
2507	651	1500	855	51	2570	-	-	-	-	2682	5	44	39	44		
2509	77	97	24	123	2571	-	-	-	-	2689	1	3	2	3		
2510	41	88	47	141	2572	-	6	6	6	2690	1	7	6	7		
2511	-	2	2	2	2578	-	-	-	-	2691	2	2	-	2		
2512	125	906	781	935	2579	-	1	1	1	2692	2	20	18	21		
2513	-	-	-	-	2580	-	-	-	-	2693	-	4	4	4		
2514	-	-	-	-	2581	-	-	-	-	2698	3	13	10	13		
2515	16	54	38	54	2588	-	-	-	-	2699	87	659	573	707		
2518	3	27	24	27	2589	4	9	5	9	2700	13	21	8	21		
2519	2	4	2	7	2590	-	-	-	-	2701	3	5	2	5		
2520	69	319	250	319	2591	-	-	-	-	2702	11	15	4	15		
2521	14	132	118	132	2592	16	40	24	40	2703	4	4	-	4		
2528	-	-	-	-	2593	-	3	3	3	2704	2	2	-	2		
2529	4	9	5	9	2594	60	120	60	120	2705	-	-	-	-		
2530	16	74	58	74	2598	7	18	11	18	2706	35	45	10	45		
2531	1	1	-	1	2599	2	11	9	17	2707	17	21	4	21		
2532	61	306	245	306	260	27	70	46	75	2708	5	8	3	8		
2533	-	7	7	7	261	242	2276	2047	2323	2709	-	-	-	2		
2534	-	2	2	2	262	5	20	15	19	2710	19	31	12	31		
2535	15	160	145	160	2630	1	9	8	9	2711	-	1	1	1		
2536	64	419	355	419	2631	-	2	2	2	2712	1	3	2	3		
2537	-	1	1	1	2632	2	4	2	-	2713	3	50	47	50		
2538	10	40	30	40	2638	1	6	5	6	2714	-	4	4	4		
2539	10	25	15	27	2639	1933	20500	18571	21189	2718	8	8	-	8		
2540	3	10	7	10	2640	-	-	-	-	2719	1	8	7	8		

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD	AXIS	ENTITY		UC	RECORD	AXIS	ENTITY		UC	RECORD	AXIS	ENTITY
		TOTAL	SECOND-	AXIS			TOTAL	SECOND-	AXIS			TOTAL	SECOND-	AXIS
	MENTION	ARY			MENTION	ARY				MENTION	ARY			
2720	79	270	191	283	2778	42	74	32	74	2860	35	77	42	77
2721	11	67	58	80	2779	238	1266	1028	1447	2861	2	7	5	7
2722	4	33	29	20	2780	964	7763	6799	7766	2862	-	3	3	3
2723	3	3	-	3	2781	-	1	1	1	2863	45	177	132	177
2724	141	668	527	672	2782	-	-	-	-	2864	4	13	9	13
2725	2	10	8	10	2783	-	2	2	2	2865	4	7	3	7
2726	4	9	5	9	2784	-	-	-	-	2866	596	3720	3124	3720
2727	39	66	27	66	2788	79	152	73	152	2867	3	10	7	10
2728	7	15	8	15	2790	28	81	53	81	2869	204	1313	1109	1330
2729	6	9	3	9	2791	6	23	17	23	2870	21	47	26	47
2730	1	3	2	3	2792	34	49	15	49	2871	4	23	19	23
2731	18	82	64	82	2793	92	240	148	239	2872	15	62	47	64
2732	88	156	68	156	2794	12	47	35	47	2873	241	542	301	542
2733	185	389	204	389	2798	-	1	1	1	2874	6	45	39	45
2738	108	881	773	881	2799	2	12	10	12	2875	331	2887	2556	2903
2739	16	27	12	27	280	76	1271	1195	1231	2878	3	11	9	11
2740	28	335	307	280	2810	129	1430	1301	1429	2879	70	463	393	543
2741	30	49	23	37	2811	-	12	12	12	2880	279	1818	1539	1818
2748	-	6	6	-	2812	30	206	176	206	2881	10	40	30	40
2749	76	1390	1319	1473	2813	5	9	4	9	2882	3	3	-	3
2750	129	324	195	352	2814	-	-	-	-	2883	13	30	17	30
2751	11	20	9	20	2818	6	116	110	3	2888	28	212	184	212
2752	1	19	18	19	2819	50	362	312	334	2889	-	1	1	1
2753	17	36	19	36	2820	5	23	18	23	2890	5	125	120	125
2754	109	3113	3004	3113	2821	1	2	1	2	2891	-	2	2	2
2758	1	2	1	2	2822	3	8	5	8	2892	-	14	14	14
2759	1	1	-	1	2823	-	-	-	-	2893	4	14	10	16
2760	119	421	302	421	2824	30	111	81	111	2894	24	208	184	208
2761	114	835	721	835	2825	5	28	23	32	2895	92	686	594	687
2762	724	6154	5431	7264	2826	279	429	150	432	2896	3	7	4	7
2763	10	130	120	130	2827	3	8	5	8	2897	1	6	5	6
2764	-	4	4	4	2828	-	2	2	2	2898	994	2380	1386	2404
2765	1969	17466	15497	17466	2829	142	527	385	541	2899	67	348	281	496
2766	24	163	139	163	2830	99	262	163	262	2900	1721	8502	6781	8499
2767	151	2390	2240	2391	2831	26	109	83	109	2901	193	492	302	481
2768	80	726	647	727	2832	13	24	11	24	2902	49	400	351	262
2769	252	2936	2684	3833	2839	19	50	31	50	2903	10	14	5	2
2770	516	558	42	558	2840	28	52	24	33	2904	104	390	286	72
2771	18	38	20	38	2848	322	1910	1589	1942	2908	-	1	1	1
2772	1	1	-	1	2849	750	1470	721	1551	2909	4	12	8	9
2773	400	719	319	719	2850	155	432	277	411	2910	240	374	165	422
2774	9	48	39	48	2851	16	23	7	8	2911	10	9	6	8
2775	39	54	15	54	2858	34	191	157	188	2912	53	20	15	21
2776	92	129	37	129	2859	1017	18643	17626	19087	2913	1	1	-	1

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 MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
 CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
 OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

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2914	-	-	-	-	2983	-	-	-	-	3045	-	-	-	
2915	-	-	-	-	2984	-	-	-	-	3046	9	37	28	37
2918	139	203	90	257	2988	4	17	13	17	3047	-	2	2	2
2919	13	54	44	7	2989	430	2242	1812	2330	3048	-	1	1	1
2920	4	9	5	9	2990	1	11	10	11	3049	603	800	197	802
2921	-	-	-	-	2991	-	-	-	-	3050	841	2743	1907	4483
2922	-	-	-	-	2998	-	-	-	-	3051	66	1565	1499	2142
2928	-	1	1	1	2999	-	-	-	-	3052	1	2	1	2
2929	-	3	3	3	3000	6	197	191	197	3053	-	-	-	-
2930	-	4	4	4	3001	3	17	14	17	3054	2	10	8	10
2931	-	-	-	-	3002	2	3	1	3	3055	7	11	4	11
2938	-	1	1	1	3003	-	2	2	2	3056	-	5	5	5
2939	1	39	38	39	3004	45	617	572	617	3057	-	5	5	5
2940	11	119	108	119	3005	2	11	9	11	3058	-	6	6	6
2948	-	2	2	2	3006	-	-	-	-	3059	232	526	306	550
2949	31	557	527	3726	3007	-	1	1	1	3060	1	2	1	2
2950	12	94	82	94	3008	-	2	2	2	3061	-	5	5	5
2951	2	27	25	27	3009	15	317	302	329	3062	26	217	191	217
2952	19	98	79	98	3010	-	6	6	6	3063	-	-	-	-
2953	16	345	329	345	3011	-	2	2	2	3064	2	3	1	3
2954	-	-	-	-	3012	-	8	8	8	3065	-	1	1	1
2955	-	1	1	1	3013	-	11	11	11	3066	-	-	-	-
2956	34	596	562	595	3014	-	-	-	-	3067	-	-	-	-
2957	1	9	8	9	3015	-	-	-	-	3068	-	1	1	1
2958	-	17	17	17	3016	2	4	2	4	3069	-	-	-	-
2959	62	1008	946	1009	3017	-	5	5	5	3070	-	-	-	-
2960	3	12	9	12	3018	-	3	3	3	3071	103	217	114	217
2961	32	370	338	370	3019	1	30	29	31	3072	-	4	4	4
2962	1	4	3	4	3020	-	-	-	-	3073	-	-	-	-
2963	-	2	2	2	3021	1	1	-	1	3074	-	-	-	-
2964	-	9	9	9	3022	-	-	-	-	3075	85	253	168	253
2965	2	13	11	13	3023	-	-	-	-	3076	-	-	-	-
2966	20	191	171	191	3024	-	-	-	-	3077	-	-	-	-
2968	-	2	2	2	3025	-	-	-	-	3078	-	1	1	1
2969	1	23	22	26	3026	-	-	-	-	3079	37	110	73	133
2970	-	-	-	-	3027	-	-	-	-	3080	-	2	2	2
2971	2	42	40	42	3028	-	-	-	-	3081	-	-	-	-
2972	1	8	7	8	3029	-	2	2	2	3082	-	-	-	-
2973	-	3	3	3	303	4189	11911	7724	17080	3083	-	-	-	-
2978	-	1	1	1	3040	9	26	17	26	3084	-	-	-	-
2979	4	73	69	73	3041	1	6	5	6	3089	85	271	186	271
2980	-	13	13	13	3042	2	3	1	3	3090	-	22	22	22
2981	-	3	3	3	3043	-	-	-	-	3091	-	-	-	-
2982	2	14	12	14	3044	-	1	1	1	3092	-	1	1	1

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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3093	-	-	-	-	3203	24	76	52	76	3350	153	173	20	173
3094	-	-	-	-	3208	49	115	66	115	3351	20	27	7	27
3098	-	-	-	-	3209	300	518	218	524	3352	2790	3375	585	3375
3099	2	5	3	5	3220	-	1	1	1	3358	-	-	-	-
3100	-	2	2	2	3221	-	1	1	1	3359	7	8	1	9
3101	4	16	12	16	3222	9	21	12	22	3360	32	61	29	61
3102	15	40	25	41	3229	461	1473	1012	1497	3361	36	116	80	116
3108	3	5	2	5	3235	5	9	4	9	3368	31	103	72	104
3109	4328	35327	30999	35329	3238	3	10	7	10	3369	55	228	173	660
311	230	2755	2525	2761	3239	230	616	389	662	3370	3	9	6	9
3120	-	2	2	2	3240	193	473	280	473	3379	8	35	27	49
3121	-	-	-	-	3241	10	15	5	15	340	1514	2536	1022	2536
3122	-	-	-	-	3249	24	59	35	62	3410	2	2	-	2
3123	-	-	-	-	325	16	56	40	56	3411	11	13	2	13
3128	-	1	1	1	326	52	108	56	108	3418	7	11	4	11
3129	1	10	9	10	3300	50	58	8	58	3419	196	535	339	549
3130	-	-	-	-	3301	40	46	6	46	3420	-	5	5	5
3131	-	-	-	-	3308	10	13	3	13	3421	-	41	41	41
3132	-	-	-	-	3309	5	5	-	5	3429	250	12721	12471	13742
3133	-	-	-	-	3310	1727	3679	1952	3680	3430	4	14	10	14
3138	-	-	-	-	3311	21	55	34	55	3431	-	3	3	3
3139	-	-	-	-	3312	83	242	159	222	3432	44	101	57	70
3140	-	-	-	-	3313	7	34	27	34	3433	-	-	-	-
3141	-	-	-	-	3314	601	1879	1280	1903	3434	-	-	-	-
3142	-	-	-	-	3318	187	242	55	242	3438	-	-	-	-
3148	-	-	-	-	3319	870	3644	2774	3930	3439	559	1056	497	1102
3149	-	3	3	3	3320	3933	14151	10218	14158	3440	185	1155	970	1186
3150	-	-	-	-	3321	9	21	12	21	3441	131	1365	1234	1365
3151	-	-	-	-	3330	106	150	44	146	3442	4	27	23	27
3152	-	1	1	1	3331	1	21	20	21	3443	-	71	71	71
3153	-	1	1	1	3332	8	27	19	27	3444	-	44	44	44
3154	1	21	20	21	3333	-	-	-	-	3445	-	2	2	2
3155	-	-	-	-	3334	311	462	151	462	3446	93	527	434	527
3158	-	-	-	-	3335	12	42	30	42	3448	187	1673	1486	1673
3159	7	24	17	24	3336	4	6	2	6	3449	30	858	829	932
316	1	3	2	3	3337	4	10	6	10	3450	3	20	17	20
317	1	18	17	18	3338	3	41	38	41	3451	402	862	461	863
3180	4	20	16	20	3339	10	25	15	26	3452	2	5	3	5
3181	89	338	249	338	3340	45	69	24	69	3453	486	787	301	785
3182	58	262	204	262	3341	4	8	4	8	3454	1	8	7	7
319	256	1697	1441	1703	3342	14	27	13	29	3455	3	39	36	39
3200	237	282	45	282	3343	4	37	33	37	3456	5	5	-	5
3201	280	458	178	458	3348	23	47	24	47	3457	5	11	6	11
3202	91	150	59	150	3349	77	210	133	211	3458	2	3	1	3

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 2

NUMBR OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

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3459	822	1835	1017	1919	3539	1	1	-	1	3601	-	-	-	
3460	-	-	-	-	3540	-	6	6	6	3602	-	-	-	
3461	-	-	-	-	3541	-	1	1	1	3603	-	-	-	
3462	-	4	4	4	3542	-	1	1	1	3604	-	-	-	
3468	-	-	-	-	3543	-	-	-	-	3605	-	-	-	
3469	-	28	28	28	3544	-	4	4	4	3606	-	-	-	
347	1	32	31	32	3545	-	12	12	12	3608	-	8	8	
3480	39	86	47	86	3548	2	17	15	17	3609	-	-	-	
3481	1213	12032	10819	11973	3549	-	1	1	1	3610	-	-	-	
3482	45	1379	1334	1379	3550	-	3	3	3	3611	-	-	-	
3483	370	2162	1792	2230	3551	-	-	-	-	3612	-	-	-	
3484	64	2226	2162	2226	3552	-	3	3	3	3613	-	-	-	
3485	235	3559	3324	3559	3553	-	4	4	4	3618	-	2	2	
3488	168	1074	906	1076	3554	-	-	-	-	3619	-	20	20	
3489	409	1988	1579	3192	3555	-	-	-	-	3621	-	9	9	
3490	-	2	2	2	3556	-	1	1	1	3622	-	7	7	
3491	2	2	-	2	3557	-	3	3	3	3623	2	12	10	
3492	3	7	4	7	3558	-	9	9	9	3624	-	-	-	
3498	128	428	300	429	3559	24	168	145	342	3625	-	25	25	
3499	55	133	78	207	3560	-	-	-	-	3626	-	17	17	
3501	-	109	109	111	3561	17	65	48	65	3627	2	20	18	
3502	-	-	-	-	3562	3	3	-	3	3628	-	9	9	
3508	1	1	-	1	3563	-	-	-	-	3629	-	4	4	
3509	-	2	2	2	3564	2	4	2	4	3630	-	-	-	
3510	1	79	78	79	3568	84	133	49	133	3631	-	-	-	
3511	-	-	-	-	3569	47	283	236	483	3632	-	9	9	
3518	-	-	-	-	3570	175	339	164	339	3633	-	-	-	
3519	-	3	3	3	3575	-	10	10	10	3634	-	1	1	
3520	-	-	-	-	3576	-	-	-	-	3635	-	-	-	
3521	-	1	1	1	3577	-	2	2	2	3636	-	-	-	
3522	2	3	1	7	3578	2	2	-	2	3637	-	-	-	
3523	3	4	1	8	3579	4	29	25	42	3638	-	-	-	
3524	-	-	-	-	3580	214	516	302	516	3639	-	-	-	
3525	2	2	-	3	3582	-	3	3	3	3640	-	-	-	
3526	6	11	5	7	3588	15	25	10	25	3641	-	-	-	
3529	6	15	9	15	3589	71	132	61	132	3642	-	-	-	
3530	-	13	13	13	3590	16	26	10	26	3643	-	2	2	
3531	-	1	1	1	3591	599	860	262	865	3644	-	-	-	
3532	-	-	-	-	3592	85	140	55	140	3645	-	-	-	
3533	-	-	-	-	3593	4	6	2	6	3646	-	-	-	
3534	-	1	1	1	3594	8	28	21	28	3647	2	2	2	
3535	-	-	-	-	3598	13	31	18	31	3648	-	-	-	
3536	-	-	-	-	3599	42	176	134	182	3649	-	1	1	
3538	1	1	-	1	3600	2	24	22	24	3650	-	-	-	

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
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3651	-	10	10	10	3704	-	-	-	-	3755	-	-	-	-
3652	-	9	9	9	3705	-	1	1	1	3756	-	-	-	-
3653	-	1	1	1	3706	-	-	-	-	3758	-	-	-	-
3654	-	-	-	-	3708	-	-	-	-	3759	-	-	-	-
3655	-	-	-	-	3709	-	2	2	4	3760	1	13	12	13
3656	-	-	-	-	3710	-	4	4	4	3761	-	-	-	-
3658	-	-	-	-	3711	-	-	-	-	3763	1	4	3	4
3659	3	791	788	794	3712	-	2	2	2	3764	-	-	-	-
3660	-	1	1	1	3713	-	-	-	-	3765	-	-	-	-
3661	-	12	12	12	3714	-	1	1	1	3766	-	-	-	-
3662	-	-	-	-	3715	-	2	2	2	3768	-	-	-	-
3663	-	1	1	1	3716	-	2	2	2	3769	-	1	1	1
3664	-	-	-	-	3717	-	-	-	-	3770	-	1	1	1
3665	-	-	-	-	3718	-	-	-	-	3771	-	23	23	23
3668	-	-	-	-	3719	-	1	1	1	3772	-	-	-	-
3669	4	446	442	551	3720	-	10	10	10	3773	-	6	6	6
3670	-	-	-	-	3721	-	8	8	8	3774	-	4	4	4
3671	-	-	-	-	3722	-	-	-	-	3775	-	-	-	-
3672	-	-	-	-	3723	-	6	6	6	3776	-	-	-	-
3673	-	-	-	-	3724	-	1	1	1	3777	-	-	-	-
3674	-	-	-	-	3725	-	1	1	1	3779	-	-	-	-
3675	-	-	-	-	3726	-	-	-	-	3780	-	1	1	1
3678	-	-	-	-	3727	-	1	1	1	3781	-	4	4	4
3679	-	-	-	-	3728	-	-	-	-	3782	-	-	-	-
3680	-	8	8	8	3729	-	1	1	1	3783	1	1	-	1
3681	-	1	1	1	3730	1	5	4	5	3784	-	1	1	1
3682	-	4	4	4	3731	-	2	2	2	3785	-	7	7	7
3683	-	-	-	-	3732	-	-	-	-	3786	-	-	-	-
3684	-	8	8	8	3733	-	-	-	-	3787	-	-	-	-
3685	-	-	-	-	3738	-	-	-	-	3788	-	2	2	2
3686	-	-	-	-	3739	-	1	1	1	3789	1	10	9	13
3688	-	-	-	-	3740	-	1	1	1	3790	-	4	4	6
3689	-	1	1	1	3741	-	3	3	3	3791	-	-	-	-
3690	11	1612	1601	1612	3742	-	-	-	-	3792	-	4	4	4
3691	-	-	-	-	3743	-	1	1	1	3793	-	10	10	10
3692	-	-	-	-	3744	-	-	-	-	3794	-	3	3	3
3693	-	-	-	-	3745	-	-	-	-	3795	-	2	2	2
3696	-	30	30	30	3748	-	-	-	-	3798	-	1	1	1
3697	-	-	-	-	3749	-	2	2	2	3799	1	18	17	19
3698	-	-	-	-	3750	-	-	-	-	3800	-	-	-	-
3699	-	11	11	11	3751	-	-	-	-	3801	2	22	20	22
3700	-	21	21	21	3752	-	-	-	-	3802	-	-	-	-
3702	-	-	-	-	3753	-	1	1	1	3803	-	-	-	-
3703	-	-	-	-	3754	-	-	-	-	3804	-	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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3805	-	-	-	-	3870	-	-	-	-	4010	52	566	515	749
3808	-	-	-	-	3871	-	-	-	-	4011	19	148	129	181
3809	-	-	-	-	3872	-	-	-	-	4019	2923	69437	66516	80736
3810	-	-	-	-	3878	-	-	-	-	4020	43	30	9	4
3811	-	-	-	-	3879	1	15	14	15	4021	9	26	17	2
3812	-	-	-	-	3880	-	17	17	17	4029	20444	42206	21885	41343
3813	-	-	-	-	3881	-	-	-	-	4030	96	154	68	13
3814	-	-	-	-	3882	-	1	1	1	4031	17	61	44	60
3815	-	-	-	-	3883	-	-	-	-	4039	4589	12920	8388	9123
3816	-	-	-	-	3884	-	-	-	-	4040	13	12	4	-
3817	-	-	-	-	3885	-	-	-	-	4041	5	8	5	-
3818	-	-	-	-	3886	-	3	3	3	4049	3392	4995	1867	2056
3819	-	-	-	-	3887	-	-	-	-	410	292876	317659	24790	317663
3820	3	4	1	4	3888	-	-	-	-	411	4473	11833	7361	11834
3821	-	-	-	-	3889	-	-	-	-	412	1213	8836	7623	8836
3822	-	-	-	-	3890	-	1	1	1	413	588	4702	4114	4702
3823	-	-	-	-	3891	-	23	23	23	4140	211965	380682	168723	380692
3824	5	9	4	9	3892	-	-	-	-	4141	454	1786	1333	1787
3829	81	181	100	181	3897	-	49	49	49	4148	4221	9752	5531	9752
3830	-	2	2	2	3898	-	4	4	4	4149	39405	78173	38775	84988
3831	2	6	4	6	3899	-	495	495	495	4150	11	209	198	209
3832	-	-	-	-	390	25	67	42	88	4151	10062	33479	23417	33479
3833	-	-	-	-	3910	47	121	74	126	4160	679	2034	1356	2034
3838	-	-	-	-	3911	5	6	1	10	4161	110	273	163	42
3839	9	25	16	25	3912	2	2	-	2	4168	3	4	1	4
3840	-	-	-	-	3918	6	7	1	-	4169	701	8690	7989	8901
3841	-	1	1	1	3919	5	7	2	13	4170	2	7	5	7
3842	-	1	1	1	3920	-	-	-	-	4171	9	20	11	20
3848	-	-	-	-	3929	1	1	-	1	4178	15	61	46	61
3849	-	-	-	-	393	5	7	2	7	4179	6	17	11	19
3850	-	-	-	-	3940	1029	1844	815	2001	4209	103	279	176	283
3851	-	-	-	-	3941	309	419	111	676	4210	756	1756	1000	1795
3852	-	-	-	-	3942	164	226	66	1	4219	13	39	26	40
3853	1	16	15	16	3949	1458	2674	1217	2793	4229	273	469	198	483
3858	-	2	2	2	3950	152	231	79	279	4230	21	632	611	632
3859	-	-	-	-	3951	54	72	18	149	4231	20	129	109	131
3860	-	30	30	30	3952	45	52	7	1	4232	80	232	152	234
3861	-	-	-	-	3959	95	148	53	166	4238	23	104	81	104
3862	-	2	2	2	396	99	1539	540	1468	4239	339	3550	3211	3817
3863	1	20	19	20	3970	81	359	278	359	4240	1242	3330	2088	3322
3864	-	-	-	-	3971	-	-	-	-	4241	4822	11612	6791	11621
3865	-	-	-	-	3979	497	675	178	843	4242	2	18	16	18
3868	-	-	-	-	3980	12	19	7	44	4243	6	19	13	19
3869	-	-	-	-	3989	2434	4129	1695	6339	4249	1362	2905	1543	3103

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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4250	4	7	3	7	4331	986	1780	794	1806	4442	617	2909	2293	2909
4251	247	411	164	411	4332	48	70	22	200	4448	140	795	655	795
4252	-	1	1	1	4333	141	196	55	48	4449	223	941	718	1344
4253	122	158	36	158	4338	6	15	9	16	4460	143	217	74	217
4254	7707	9591	1886	9595	4339	1	4	3	5	4461	3	3	-	3
4255	653	530	120	604	4340	21111	29055	7945	29055	4462	131	221	90	221
4259	138	3125	2987	3191	4341	806	3027	2221	3027	4463	4	4	-	4
4260	290	3383	3093	3383	4349	9873	16920	7048	18400	4464	93	132	39	132
4261	37	574	537	574	435	322	1871	1550	1872	4465	80	360	280	360
4262	-	30	30	30	436	82620	136532	53918	142911	4466	188	213	25	213
4263	11	591	580	591	4370	10260	50896	40665	49373	4467	2	9	7	9
4264	12	392	380	392	4371	643	2330	1687	2491	4470	10	71	61	71
4265	12	215	203	215	4372	171	267	97	259	4471	147	414	267	414
4266	12	167	155	167	4373	384	534	150	1781	4472	294	723	429	723
4267	34	77	43	77	4374	35	64	29	64	4473	-	-	-	-
4268	104	1435	1331	1435	4375	4	9	5	9	4474	-	3	3	3
4269	180	2237	2057	2237	4376	-	-	-	-	4475	3	6	3	6
4270	23	220	197	220	4378	183	1081	899	707	4476	450	1034	584	1099
4271	261	3956	3695	3956	4379	4333	12395	8067	19018	4478	15	53	38	53
4272	8	64	56	64	438	4530	15194	10664	15194	4479	475	929	455	1647
4273	1707	18776	17069	18776	4400	71	494	423	852	4480	24	77	53	77
4274	1056	21952	20896	21952	4401	27	168	141	184	4481	-	-	-	-
4275	27581	372971	345392	372972	4402	1427	4818	3392	2521	4489	21	57	36	59
4276	63	950	887	950	4408	12	96	84	121	4510	10	19	9	20
4278	332	3299	2967	3299	4409	26314	141142	114831	160793	4511	439	1000	561	1000
4279	2717	34294	31580	47152	4410	2431	2741	310	2741	4512	756	1621	868	1632
4280	23065	191839	168775	193739	4411	1037	1095	58	1126	4518	88	175	87	175
4281	262	1322	1060	3259	4412	345	889	544	1008	4519	616	1662	1048	1677
4289	5247	51021	45774	55177	4413	5725	6138	413	6117	452	38	161	123	161
4290	1221	3307	2091	3283	4414	1431	4592	3161	5017	4530	27	85	58	85
4291	1065	2420	1358	2460	4415	2400	2589	189	2757	4531	1	19	18	19
4292	69031	114224	45217	115171	4416	614	2003	1389	2297	4532	38	169	131	169
4293	707	7160	6453	7283	4420	1	1	-	1	4533	27	68	41	68
4294	...	20	20	20	4421	5	25	20	25	4538	257	689	432	690
4295	26	68	42	68	4422	157	279	122	279	4539	43	291	250	536
4296	4	168	164	168	4423	45	125	80	125	4540	41	244	203	249
4298	92	426	334	427	4428	147	335	188	348	4541	17	87	70	82
4299	2117	8722	6611	17311	4429	348	525	177	685	4542	7	27	20	8
430	6586	7523	955	6969	4430	3	83	80	83	4549	84	281	197	309
431	18285	26107	7843	26655	4431	19	61	42	61	4550	-	4	4	4
4320	3	9	6	9	4438	24	88	64	88	4551	-	2	2	2
4321	300	785	486	795	4439	1640	7043	5599	9322	4552	-	1	1	1
4329	1273	2118	846	2281	4440	197	459	262	459	4553	1	3	2	3
4330	667	873	206	995	4441	279	674	395	674	4554	-	2	2	2

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 MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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4555	-	2	2	2	470	-	8	8	8	4823	140	294	154	301		
4556	12	55	43	70	4710	-	-	-	-	4824	503	1229	726	1254		
4557	1	7	6	6	4711	-	-	-	-	4828	206	471	265	471		
4558	9	28	19	16	4718	-	-	-	-	4829	631	1363	738	1369		
4559	1	1	-	1	4719	-	9	9	9	483	65	108	43	110		
4560	412	4073	3661	1850	4720	-	-	-	-	485	11177	38462	27287	38894		
4561	53	1106	1053	3372	4721	-	2	2	2	486	33769	106655	72897	109125		
4563	-	-	-	-	4722	-	-	-	-	4870	1555	1844	289	179		
4564	1	2	1	2	4730	5	21	16	21	4871	1417	2512	1153	4260		
4565	2	5	3	5	4731	4	9	5	9	4878	61	91	39	18		
4566	-	-	-	-	4732	1	6	5	6	490	504	2009	1505	3253		
4568	54	302	248	302	4733	5	8	3	8	4910	43	31	27	63		
4570	...	-	-	-	4738	2	5	3	5	4911	66	105	51	152		
4571	11	150	139	150	4739	34	101	67	102	4912	2499	4256	1757	258		
4572	1	27	26	27	4740	-	1	1	1	4918	37	68	32	69		
4578	12	53	41	53	4741	-	-	-	-	4919	613	2788	2175	5562		
4579	-	-	-	-	4742	-	-	-	-	492	13366	32468	19103	35132		
4580	15	118	103	125	4748	1	19	18	19	4930	12	33	21	26		
4581	-	5	5	5	4749	4	12	8	12	4931	22	55	33	57		
4589	748	6608	5860	6611	475	34	41	7	41	4939	2992	7285	4320	7471		
4590	396	4675	4281	5109	4760	2	12	10	12	494	774	1609	835	1615		
4591	2	12	10	12	4761	1	1	-	1	4950	5	7	2	7		
4592	43	946	903	946	4770	-	2	2	2	4951	-	-	-	-		
4598	27	164	137	164	4778	2	3	1	3	4952	-	-	-	-		
4599	377	678	303	4250	4779	2	24	22	31	4953	-	-	-	-		
460	9	31	23	50	4780	-	-	-	-	4954	-	-	-	-		
4610	-	-	-	-	4781	6	20	14	20	4955	-	-	-	-		
4611	-	-	-	-	4782	93	268	175	269	4956	-	-	-	-		
4612	-	-	-	-	4783	45	174	129	174	4957	-	-	-	-		
4613	-	1	1	1	4784	3	6	3	6	4958	-	-	-	-		
4618	-	-	-	-	4785	2	7	5	7	4959	2	5	3	5		
4619	7	11	4	13	4786	33	109	76	109	496	37876	87655	49782	94873		
462	18	68	50	69	4787	114	304	190	314	500	1093	2554	1461	2554		
463	2	11	9	11	4788	-	-	-	-	501	101	318	217	318		
4640	26	65	39	66	4789	3	11	8	11	502	162	378	216	378		
4641	19	49	30	61	4800	2	6	4	6	503	7	15	8	15		
4642	9	17	8	16	4801	1	1	-	1	504	7	13	6	13		
4643	97	122	25	122	4802	-	-	-	-	505	217	596	379	628		
4644	7	9	2	9	4808	6	7	1	7	5060	32	51	19	51		
4650	2	4	2	4	4809	805	1408	604	1488	5061	13	17	4	17		
4658	-	2	2	2	481	2954	5998	3046	6044	5062	1	1	-	1		
4659	174	919	748	1097	4820	316	841	525	847	5063	-	-	-	-		
4660	494	1838	1344	2197	4821	298	1020	722	1034	5064	3	3	-	3		
4661	82	180	98	181	4822	76	181	105	188	5069	-	-	-	-		

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	UC	RECORD COUNT BY CODE FIELD			ICD-9 CODE	UC	RECORD COUNT BY CODE FIELD		
	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS	AXIS			RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS			AXIS	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
5070	3610	17615	14006	17637	5207	-	-	-	-	5253	-	-	-	-
5071	6	14	8	14	5208	-	-	-	-	5258	-	4	4	4
5078	2	2	-	2	5209	-	-	-	-	5259	-	27	27	29
5080	11	199	188	199	5210	2	17	15	17	5260	-	1	1	1
5081	4	98	94	98	5211	-	-	-	-	5261	-	-	-	-
5088	-	24	24	24	5212	-	-	-	-	5262	-	1	1	1
5089	-	-	-	-	5213	-	-	-	-	5263	-	2	2	2
5100	73	376	303	388	5214	-	-	-	-	5264	5	18	13	18
5109	354	1486	1132	1540	5215	-	-	-	-	5265	-	-	-	-
5110	48	405	357	472	5216	-	-	-	-	5268	-	7	7	7
5111	-	2	2	2	5217	-	-	-	-	5269	-	4	4	4
5118	65	607	542	607	5218	-	-	-	-	5270	-	-	-	-
5119	555	7988	7433	7994	5219	-	-	-	-	5271	-	3	3	3
512	288	2279	1991	2284	5220	-	-	-	-	5272	21	131	110	131
5130	726	2543	1819	2561	5221	-	-	-	-	5273	6	25	19	25
5131	17	43	26	43	5222	-	-	-	-	5274	-	2	2	2
514	1088	27078	25990	27108	5223	-	-	-	-	5275	-	-	-	-
515	3009	7036	4027	7213	5224	3	10	7	10	5276	-	-	-	-
5160	3	9	6	9	5225	6	22	16	22	5277	-	-	-	-
5162	2	3	1	3	5226	-	1	1	1	5278	1	4	3	4
5163	236	302	66	302	5227	-	-	-	-	5279	-	2	2	2
5168	641	810	171	818	5228	-	-	-	-	5280	8	35	27	35
5169	-	-	-	-	5229	-	-	-	-	5281	-	6	6	6
5180	189	1871	1682	1877	5230	-	2	2	2	5282	1	5	4	5
5181	19	52	33	52	5231	-	9	9	9	5283	2	20	18	20
5182	-	3	3	3	5232	-	-	-	-	5284	-	-	-	-
5183	205	596	391	596	5233	2	3	1	3	5285	1	3	2	3
5184	360	8803	8443	9171	5234	2	15	13	15	5286	-	-	-	-
5185	758	4688	3930	4679	5235	-	2	2	2	5287	1	1	-	1
5188	2736	11043	8309	13706	5236	-	-	-	-	5288	-	-	-	-
5190	14	34	20	34	5238	2	5	3	5	5289	18	79	61	81
5191	176	1193	1017	1291	5239	-	5	5	5	5290	4	11	7	11
5192	38	236	198	236	5240	1	16	15	16	5291	-	-	-	-
5193	30	122	92	122	5241	-	-	-	-	5292	-	-	-	-
5194	7	47	40	47	5242	-	3	3	3	5293	-	-	-	-
5198	471	1819	1348	2107	5243	-	-	-	-	5294	-	-	-	-
5199	97	466	369	683	5244	-	-	-	2	5295	-	-	-	-
5200	-	7	7	7	5245	-	-	-	-	5296	-	-	-	-
5201	-	-	-	-	5246	-	1	1	1	5298	1	39	38	39
5202	-	-	-	-	5248	-	-	-	-	5299	-	8	8	8
5203	-	-	-	-	5249	-	2	2	2	5300	71	194	123	194
5204	-	-	-	-	5250	-	-	-	-	5301	222	1058	836	1058
5205	-	-	-	-	5251	-	1	1	1	5302	61	251	190	251
5206	-	2	2	2	5252	-	-	-	-	5303	297	1449	1152	1449

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 MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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5304	194	426	232	426	5352	8	26	18	26	5538	7	21	14	35
5305	81	187	106	187	5353	102	82	30	62	5539	91	231	140	287
5306	49	132	83	132	5354	223	722	499	730	5550	23	60	37	65
5307	46	87	41	87	5355	204	865	662	885	5551	42	102	60	108
5308	167	1493	1326	1874	5356	7	79	72	81	5552	4	7	3	1
5309	58	100	42	108	5360	-	7	7	7	5559	240	532	292	537
5310	55	88	34	11	5361	21	58	37	58	556	355	869	514	869
5311	15	21	6	21	5362	2	14	12	14	5570	4446	7877	3435	8488
5312	3	3	-	-	5368	40	187	147	187	5571	183	319	136	319
5313	5	33	28	111	5369	33	137	104	138	5579	628	1372	744	1579
5314	1105	2196	1091	650	5370	98	589	491	589	558	1076	3241	2167	3333
5315	692	1268	577	1400	5371	-	3	3	3	5600	41	68	27	68
5316	112	158	46	19	5372	-	-	-	-	5601	211	1203	992	1221
5317	16	50	34	101	5373	8	137	129	137	5602	657	1095	438	1150
5319	213	1708	1495	3340	5374	44	253	209	253	5603	134	349	217	338
5320	33	64	35	15	5375	1	2	1	2	5608	339	616	277	12
5321	14	28	14	31	5376	2	2	-	2	5609	2319	10522	8203	11778
5322	5	10	5	2	5378	89	509	420	872	5620	45	74	29	74
5323	5	47	43	105	5379	173	513	340	542	5621	2852	6558	3706	6558
5324	995	1994	999	834	5400	444	840	396	797	5640	24	113	89	113
5325	885	1547	663	1701	5401	30	100	70	95	5641	53	194	141	194
5326	104	175	71	15	5409	28	65	37	109	5642	-	42	42	42
5327	20	109	89	166	541	61	134	73	181	5643	...	1	1	1
5329	150	1407	1257	2665	542	2	5	3	5	5644	1	1	-	1
5330	26	43	17	10	543	2	10	8	12	5645	-	-	-	-
5331	1	3	2	4	5500	51	60	10	2	5646	-	2	2	2
5332	2	3	1	1	5501	198	400	202	389	5647	39	178	139	187
5333	-	22	22	58	5509	76	589	515	673	5648	20	91	71	91
5334	1153	2622	1469	718	5510	21	29	9	3	5649	5	18	13	18
5335	508	1067	559	1145	5511	3	4	1	1	5650	-	13	13	13
5336	41	73	32	7	5512	33	40	8	1	5651	17	95	78	95
5337	20	129	109	182	5513	6	14	8	-	566	145	392	247	392
5339	202	2381	2179	4413	5518	7	10	3	-	5671	4	8	4	8
5340	1	1	-	-	5519	38	48	12	7	5672	509	2823	2314	2957
5341	-	-	-	-	5520	73	133	60	132	5678	17	222	205	226
5342	-	-	-	-	5521	51	102	51	93	5679	827	6269	5442	6739
5343	-	-	-	1	5522	153	235	82	180	5680	121	385	264	1008
5344	49	101	52	29	5523	77	143	66	98	5688	65	328	263	328
5345	14	29	15	29	5528	12	19	7	17	5689	5	22	17	22
5346	2	4	2	1	5529	133	257	124	274	5690	6	26	20	26
5347	-	3	3	3	5530	5	26	21	54	5691	20	91	73	97
5349	19	74	55	151	5531	70	251	181	265	5692	7	34	27	34
5350	138	335	203	369	5532	98	430	333	539	5693	113	745	632	751
5351	37	210	173	210	5533	378	2142	1768	2202	5694	54	233	179	233

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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5695	25	396	371	396	5764	13	39	26	39	5846	2	9	7	6
5696	...	25	25	25	5765	-	-	-	-	5847	7	105	98	23
5698	1017	4320	3303	4348	5768	305	1724	1419	1901	5848	-	4	4	4
5699	376	1141	778	1510	5769	37	85	48	116	5849	2201	14013	11812	14246
570	488	1807	1319	1824	5770	2322	5071	2749	5144	585	3905	13943	10038	16808
5710	962	1355	394	20	5771	262	1202	940	1202	586	8593	58583	49990	69323
5711	790	791	204	1035	5772	95	293	198	293	587	69	247	179	322
5712	8458	10708	2250	5972	5778	70	407	337	407	5880	7	18	11	18
5713	1750	2055	499	2231	5779	44	98	54	113	5881	-	6	6	6
5714	863	1493	631	1496	5780	46	274	228	313	5888	25	112	87	112
5715	14369	23482	9114	28332	5781	7	103	96	117	5889	-	-	-	-
5716	353	589	236	589	5789	4629	25785	21164	32245	5890	-	-	-	-
5718	1317	3064	1749	4401	5790	12	27	15	27	5891	2	4	2	4
5719	279	673	394	779	5791	11	24	13	24	5899	-	2	2	2
5720	155	448	293	452	5792	...	242	242	242	5900	904	2299	1395	2415
5721	3	4	1	4	5793	...	67	67	67	5901	419	958	539	991
5722	406	7207	6801	7305	5794	-	-	-	-	5902	107	354	247	389
5723	136	1387	1251	1387	5798	11	25	14	25	5903	1	3	2	3
5724	543	5386	4843	5386	5799	107	466	360	484	5908	842	2408	1605	2641
5728	1893	21208	19315	21207	5800	1	2	1	2	5909	54	182	128	210
5730	33	420	387	420	5804	3	4	1	4	591	103	718	616	718
5733	511	1323	816	1376	5808	7	15	8	3	5920	397	1078	681	1078
5734	22	119	97	119	5809	108	451	343	463	5921	49	130	81	129
5738	220	1846	1626	1846	5810	-	-	-	-	5929	29	78	49	79
5739	456	1236	781	1811	5811	5	16	11	7	5930	-	-	-	-
5740	163	297	134	12	5812	-	1	1	-	5931	-	7	7	7
5741	297	885	588	7	5813	6	10	4	6	5932	2	11	9	11
5742	508	2526	2019	3669	5818	3	5	2	-	5933	6	28	22	28
5743	29	46	17	-	5819	191	602	414	740	5934	89	1299	1210	1299
5744	33	109	76	3	5820	1	3	2	3	5935	8	63	55	63
5745	333	658	325	808	5821	1	2	1	2	5936	-	-	-	-
5750	683	1450	767	1777	5822	5	5	-	5	5937	11	15	4	15
5751	377	1334	957	2293	5824	1	3	2	3	5938	173	1207	1034	1214
5752	8	27	19	40	5828	54	105	51	61	5939	1254	7125	5879	9891
5753	11	51	40	51	5829	1516	3708	2199	4460	5940	-	-	-	-
5754	120	301	181	301	5830	2	10	8	10	5941	24	125	101	125
5755	28	49	21	60	5831	31	60	35	69	5942	1	7	6	7
5756	-	8	8	8	5832	15	24	10	25	5948	-	-	-	-
5758	23	126	103	126	5834	15	24	9	24	5949	1	3	2	3
5759	496	1388	892	1413	5836	12	29	20	32	5950	35	148	113	148
5760	...	1	1	1	5837	1	9	8	-	5951	2	9	7	9
5761	387	1205	818	1205	5838	83	165	83	151	5952	32	344	312	344
5762	261	1250	989	1388	5839	304	797	496	1129	5953	2	4	2	4
5763	5	6	1	10	5845	293	1515	1229	1557	5958	12	78	66	78

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 MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
 OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

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5959	126	895	769	902	6040	4	12	8	12	6150	1	1	-	1
5960	45	247	202	247	6049	19	62	43	64	6151	-	-	-	-
5961	38	335	297	335	605	-	11	11	11	6159	12	30	18	30
5962	8	67	59	67	606	-	-	-	-	6160	2	9	7	9
5963	3	28	25	28	6070	-	1	1	1	6161	14	40	26	42
5964	6	57	51	57	6071	-	-	-	-	6162	-	-	-	-
5965	10	29	19	29	6072	9	27	18	27	6163	4	6	2	6
5966	9	42	33	42	6073	-	-	-	-	6164	-	9	9	9
5967	2	6	4	6	6078	1	6	5	6	6165	1	2	1	2
5968	17	231	214	231	6079	-	2	2	2	6168	-	3	3	3
5969	24	53	29	54	6080	-	5	5	5	6169	-	2	2	2
5970	6	30	24	30	6081	-	2	2	2	6170	2	2	-	2
5978	4	37	33	37	6082	1	2	1	2	6171	-	-	-	-
5980	-	1	1	1	6083	-	4	4	4	6172	-	-	-	-
5981	-	-	-	-	6084	28	95	67	95	6173	-	-	-	-
5982	-	1	1	1	6088	8	34	26	34	6174	-	-	-	-
5988	-	1	1	1	6089	1	13	12	19	6175	-	-	-	-
5989	52	247	195	247	6100	-	2	2	2	6176	-	-	-	-
5990	5724	19357	13633	19556	6101	-	8	8	8	6178	-	-	-	-
5991	9	54	45	54	6102	-	-	-	-	6179	5	12	7	12
5992	-	-	-	-	6103	-	4	4	4	6180	7	42	35	45
5993	-	2	2	2	6104	-	-	-	-	6181	10	59	49	62
5994	-	-	-	-	6108	-	-	-	-	6182	-	2	2	2
5995	-	-	-	-	6109	-	-	-	-	6183	1	5	4	5
5996	247	1261	1014	1261	6110	9	24	15	24	6184	-	4	4	1
5997	33	587	554	587	6111	-	3	3	3	6185	-	-	-	-
5998	8	81	73	81	6112	-	-	-	-	6186	1	1	-	1
5999	38	122	84	135	6113	-	3	3	3	6187	-	-	-	-
600	705	3355	2651	3356	6114	-	-	-	-	6188	-	3	3	3
6010	6	23	17	23	6115	-	-	-	-	6189	-	4	4	4
6011	13	62	49	62	6116	-	-	-	-	6190	9	58	49	58
6012	10	26	16	26	6117	1	16	15	16	6191	50	282	232	282
6013	1	4	3	4	6118	-	5	5	5	6192	-	1	1	1
6018	-	2	2	2	6119	21	252	231	257	6198	-	1	1	1
6019	28	164	136	168	6140	3	3	-	3	6199	-	41	41	42
6020	-	6	6	6	6141	1	6	5	6	6200	-	-	-	-
6021	3	59	56	59	6142	30	41	11	42	6201	-	22	22	22
6022	-	-	-	-	6143	-	-	-	-	6202	25	89	64	91
6028	2	13	11	13	6144	74	284	210	285	6203	-	2	2	2
6029	228	693	465	698	6145	3	12	9	12	6204	-	-	-	-
6030	-	-	-	-	6146	2	7	5	7	6205	-	-	-	-
6031	-	-	-	-	6147	-	1	1	1	6208	-	-	-	-
6038	-	-	-	-	6148	-	-	-	-	6207	-	-	-	-
6039	-	27	27	27	6149	8	23	15	32	6208	-	18	18	18

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OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	UC	RECORD COUNT BY CODE FIELD			ICD-9 CODE	UC	RECORD COUNT BY CODE FIELD		
	UC	TOTAL RECORD MENTION	AXIS SECOND- ARY	ENTITY AXIS			UC	TOTAL RECORD MENTION	AXIS SECOND- ARY			ENTITY AXIS	UC	TOTAL RECORD MENTION	AXIS SECOND- ARY	ENTITY AXIS
6209	3	28	25	30	6254	-	2	2	2	6344	-	-	-	-
6210	-	7	7	7	6255	1	1	-	1	6345	-	-	-	-
6211	-	-	-	-	6256	-	8	8	8	6346	-	-	-	-
6212	-	-	-	-	6258	-	-	-	-	6347	-	-	-	-
6213	-	3	3	3	6259	-	1	1	1	6348	-	-	-	-
6214	-	1	1	1	6260	-	-	-	-	6349	1	4	3	6
6215	-	1	1	1	6261	-	-	-	-	6350	1	1	-	-
6216	-	2	2	2	6262	3	17	14	17	6351	-	-	-	-
6217	-	-	-	-	6263	-	-	-	-	6352	-	1	1	-
6218	1	15	14	15	6264	-	-	-	-	6353	-	-	-	-
6219	4	117	113	119	6265	-	-	-	-	6354	-	-	-	-
6220	-	-	-	-	6266	-	5	5	5	6355	-	-	-	-
6221	-	-	-	-	6267	-	-	-	-	6356	-	-	-	-
6222	-	-	-	-	6268	-	-	-	-	6357	-	-	-	-
6223	-	-	-	-	6269	-	41	41	41	6358	-	-	-	-
6224	-	3	3	3	6270	-	-	-	-	6359	-	1	1	2
6225	-	1	1	1	6271	1	9	8	9	6360	-	-	-	-
6226	-	-	-	-	6272	-	3	3	3	6361	-	-	-	-
6227	-	2	2	2	6273	-	4	4	4	6362	-	-	-	-
6228	-	31	31	31	6274	-	-	-	-	6363	-	-	-	-
6229	-	1	1	1	6278	-	2	2	2	6364	-	-	-	-
6230	-	-	-	-	6279	-	-	-	-	6365	-	-	-	-
6231	-	-	-	-	6280	-	-	-	-	6366	-	-	-	-
6232	-	-	-	-	6282	-	2	2	2	6367	-	-	-	-
6233	-	-	-	-	6283	-	-	-	-	6368	-	-	-	-
6234	-	1	1	1	6284	-	-	-	-	6369	-	1	1	1
6235	-	-	-	-	6288	-	-	-	-	6370	3	3	-	1
6236	-	-	-	-	6289	-	-	-	-	6371	-	-	-	-
6237	-	-	-	-	6290	-	-	-	-	6372	-	-	-	-
6238	5	109	104	109	6291	-	-	-	-	6373	-	-	-	-
6239	-	4	4	4	6298	-	10	10	10	6374	-	-	-	-
6240	-	1	1	1	6299	3	19	16	19	6375	1	1	-	-
6241	-	-	-	-	630	2	2	-	2	6376	-	1	1	-
6242	-	-	-	-	631	-	-	-	-	6377	2	3	1	-
6243	-	2	2	2	632	-	-	-	-	6378	-	-	-	-
6244	-	1	1	1	6330	3	3	-	3	6379	-	1	1	7
6245	-	-	-	-	6331	12	12	-	12	6380	-	-	-	-
6246	-	-	-	-	6332	-	-	-	-	6381	-	-	-	-
6248	-	3	3	3	6338	-	-	-	-	6382	-	-	-	-
6249	-	-	-	-	6339	10	10	-	10	6383	-	-	-	-
6250	-	2	2	2	6340	2	2	-	-	6384	-	-	-	-
6251	-	-	-	-	6341	-	-	-	-	6385	-	-	-	-
6252	-	-	-	-	6342	-	-	-	-	6386	-	-	-	-
6253	-	2	2	2	6343	-	-	-	-	6387	-	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
6388	-	-	-	-	6480	-	-	-	-	6807	-	-	-	-
6389	-	-	-	-	6481	-	-	-	-	6808	-	-	-	-
6390	...	-	-	5	6482	-	2	2	2	6809	2	9	7	9
6391	...	-	-	10	6483	-	-	-	-	6810	-	6	6	6
6392	...	1	1	2	6484	-	-	-	-	6811	7	18	11	18
6393	...	1	1	1	6485	-	-	-	-	6819	-	1	1	1
6394	...	-	-	-	6486	4	10	6	10	6820	14	62	48	62
6395	...	1	1	6	6487	-	-	-	-	6821	10	57	47	57
6396	...	-	-	1	6488	-	-	-	-	6822	106	451	345	451
6398	...	1	1	8	6489	7	12	5	12	6823	51	155	104	155
6399	...	-	-	-	650	-	-	-	-	6824	5	32	27	32
640	-	-	-	-	651	1	2	1	2	6825	15	76	61	76
641	30	46	18	49	652	2	2	-	2	6826	129	708	579	708
6420	-	-	-	-	653	4	4	-	4	6827	27	179	152	179
6421	-	-	-	-	654	1	1	-	1	6828	5	57	52	57
6422	-	1	1	1	655	-	-	-	-	6829	107	672	565	690
6423	-	-	-	-	656	3	9	6	9	683	-	10	10	10
6424	18	29	11	33	657	-	2	2	2	684	4	9	5	9
6425	3	4	1	4	658	-	4	4	4	6850	-	-	-	-
6426	33	37	4	37	659	-	-	-	-	6851	2	10	8	10
6427	-	-	-	-	660	-	-	-	-	6860	12	47	35	47
6429	5	5	-	11	661	4	7	3	7	6861	11	73	62	73
643	-	-	-	-	662	-	-	-	-	6868	1	3	2	3
644	-	-	-	-	663	-	-	-	-	6869	84	526	442	544
645	-	2	2	2	664	-	4	4	4	690	-	2	2	2
6460	-	-	-	-	665	2	4	2	4	6910	2	2	-	2
6461	-	-	-	2	666	16	33	17	32	6918	2	18	16	18
6462	-	1	1	3	667	-	-	-	3	6920	-	-	-	-
6463	-	-	-	-	668	2	6	4	7	6921	-	-	-	-
6464	-	-	-	-	669	24	91	67	91	6922	-	-	-	-
6465	-	-	-	-	670	11	24	13	24	6923	-	-	-	-
6466	-	4	4	4	671	8	9	1	9	6924	-	1	1	1
6467	5	9	4	9	672	-	2	2	2	6925	-	-	-	-
6468	-	-	-	-	673	34	60	26	61	6926	-	2	2	2
6469	-	-	-	-	674	24	39	15	41	6927	-	1	1	1
6470	-	-	-	-	675	-	-	-	-	6928	-	5	5	5
6471	-	-	-	-	676	-	-	-	-	6929	8	128	120	138
6472	-	-	-	-	6800	-	-	-	-	6930	1	13	12	13
6473	-	-	-	-	6801	-	1	1	1	6931	3	7	4	7
6474	-	-	-	-	6802	-	-	-	-	6938	-	-	-	-
6475	-	-	-	-	6803	-	-	-	-	6939	-	-	-	-
6476	1	1	-	1	6804	-	-	-	-	6940	4	18	14	19
6478	6	8	2	8	6805	-	-	-	-	6941	-	-	-	-
6479	-	1	1	1	6806	-	-	-	-	6942	-	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
6943	-	-	-	-	7040	1	7	6	7	7128	-	-	-	-
6944	46	165	119	165	7041	-	1	1	1	7129	-	-	-	-
6945	31	181	150	180	7042	-	-	-	-	7140	1291	8176	6885	8176
6946	-	1	1	1	7043	-	-	-	-	7141	32	130	98	130
6948	-	-	-	-	7048	-	4	4	4	7142	17	42	25	42
6949	-	2	2	2	7049	-	-	-	-	7143	11	19	8	19
6950	-	2	2	2	7050	-	-	-	-	7144	-	-	-	-
6951	80	179	99	179	7051	-	-	-	-	7148	81	214	133	214
6952	-	5	5	5	7058	2	6	4	6	7149	-	7	7	7
6953	-	-	-	-	7059	-	-	-	-	7150	25	525	500	525
6954	108	428	320	428	7060	-	-	-	-	7151	-	-	-	-
6958	22	114	92	114	7061	-	2	2	2	7152	-	2	2	2
6959	5	23	18	23	7062	2	10	8	10	7153	45	296	251	296
6960	-	35	35	35	7063	-	1	1	1	7158	1	49	48	49
6961	11	269	258	269	7068	-	2	2	2	7159	304	8679	8376	8680
6962	-	1	1	1	7069	-	-	-	-	7160	-	-	-	-
6963	-	-	-	-	7070	1831	10167	8338	11297	7161	3	9	6	9
6964	-	2	2	2	7071	87	648	562	865	7162	-	-	-	-
6965	-	1	1	1	7078	19	133	114	155	7163	-	-	-	-
6968	-	-	-	-	7079	42	418	376	518	7164	-	-	-	-
6970	-	4	4	4	7080	-	-	-	-	7165	11	50	39	53
6971	-	-	-	-	7081	-	2	2	2	7166	-	-	-	-
6978	-	-	-	-	7082	-	-	-	-	7168	3	15	12	15
6979	-	-	-	-	7083	-	-	-	-	7169	191	3791	3600	4035
6980	-	-	-	-	7084	-	-	-	-	7170	-	-	-	-
6981	-	-	-	-	7085	-	-	-	-	7171	-	-	-	-
6982	-	-	-	-	7088	-	3	3	3	7172	-	-	-	-
6983	-	11	11	11	7089	-	8	8	8	7173	-	-	-	-
6984	-	-	-	-	7090	4	14	10	14	7174	-	-	-	-
6988	-	-	-	-	7091	2	2	-	2	7175	-	-	-	-
6989	-	1	1	1	7092	3	47	44	47	7176	-	2	2	2
700	2	2	-	2	7093	-	7	7	7	7177	-	-	-	-
7010	-	2	2	2	7094	-	-	-	-	7178	-	-	-	-
7011	-	8	8	8	7098	-	4	4	4	7179	1	1	-	1
7012	-	1	1	1	7099	7	44	37	44	7180	-	-	-	-
7013	-	1	1	1	7100	1046	1686	640	1686	7181	-	2	2	2
7014	-	1	1	1	7101	747	1154	407	1154	7182	-	7	7	7
7015	-	1	1	1	7102	28	81	53	81	7183	-	14	14	14
7018	-	1	1	1	7103	107	223	116	223	7184	12	185	173	185
7019	-	4	4	4	7104	175	393	218	393	7185	-	41	41	41
702	-	9	9	9	7108	18	24	6	24	7186	-	1	1	1
7030	-	-	-	-	7109	131	290	160	329	7188	-	4	4	4
7038	-	-	-	-	7110	81	191	110	191	7189	4	26	22	26
7039	-	-	-	-	7119	5	42	37	18	7190	-	4	4	4

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
7191	-	-	-	-	7240	3	64	62	64	7294	109	250	141	250
7192	-	-	-	-	7241	-	-	-	-	7295	-	33	33	33
7193	-	1	1	1	7242	1	21	20	21	7296	-	2	2	2
7194	-	17	17	17	7243	1	15	14	15	7298	2	18	16	18
7195	-	7	7	7	7244	-	11	11	11	7299	1	10	9	10
7196	-	-	-	-	7245	1	37	36	37	7300	11	29	18	29
7197	-	3	3	3	7246	-	10	10	10	7301	40	136	96	136
7198	2	3	1	3	7247	-	-	-	-	7302	182	739	557	748
7199	10	663	653	688	7248	1	5	4	5	7303	-	-	-	-
7200	47	281	234	281	7249	4	29	25	32	7309	11	17	6	17
7201	-	-	-	-	725	17	290	273	290	7310	73	791	718	814
7202	-	1	1	1	7260	-	2	2	2	7312	-	2	2	2
7208	-	-	-	-	7261	-	3	3	3	7320	-	-	-	-
7209	5	36	31	36	7262	-	-	-	-	7321	5	10	5	10
7210	25	117	92	125	7263	-	1	1	1	7322	-	1	1	1
7211	27	73	46	66	7264	-	-	-	-	7323	-	-	-	-
7212	-	3	3	3	7265	-	1	1	1	7324	-	-	-	-
7213	-	34	34	34	7266	-	-	-	-	7325	-	1	1	1
7214	-	4	4	4	7267	-	-	-	-	7326	-	-	-	-
7215	-	-	-	-	7268	-	-	-	-	7327	-	5	5	5
7216	-	-	-	-	7269	-	13	13	13	7328	-	-	-	-
7217	-	2	2	2	7270	1	10	9	10	7329	2	3	1	3
7218	-	-	-	-	7271	1	6	5	6	7330	192	3038	2846	3038
7219	16	539	523	540	7272	-	-	-	-	7331	83	1944	1861	1944
7220	1	2	1	2	7273	2	13	11	13	7332	1	6	5	6
7221	4	16	12	16	7274	-	4	4	4	7333	1	6	5	6
7222	6	39	33	39	7275	-	-	-	-	7334	7	37	30	37
7223	-	-	-	-	7276	-	1	1	1	7335	-	-	-	-
7224	3	12	9	12	7278	-	2	2	2	7336	-	-	-	-
7225	3	33	30	33	7279	-	4	4	4	7337	-	-	-	-
7226	4	58	54	58	7280	1	1	-	1	7338	19	114	95	114
7227	-	-	-	-	7281	2	7	5	7	7339	55	221	170	250
7228	-	-	-	-	7282	12	57	45	57	734	-	-	-	-
7229	4	57	53	57	7283	5	26	21	26	7350	-	3	3	3
7230	1	20	19	20	7284	-	1	1	1	7351	-	-	-	-
7231	-	3	3	3	7285	-	-	-	-	7352	-	-	-	-
7232	-	2	2	2	7286	1	4	3	4	7353	-	-	-	-
7233	-	-	-	-	7287	-	-	-	-	7354	-	1	1	1
7234	-	7	7	7	7288	44	170	126	170	7355	-	-	-	-
7235	-	11	11	11	7289	39	147	108	148	7358	-	5	5	5
7236	-	-	-	-	7290	3	12	9	12	7359	-	-	-	-
7237	-	-	-	-	7291	10	59	49	59	7360	-	2	2	2
7238	1	5	4	5	7292	2	60	58	80	7361	-	-	-	-
7239	1	2	1	2	7293	8	34	26	34	7362	-	1	1	1

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 2

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7363	-	5	5	5	7428	25	48	23	48	7475	1	14	13	14
7364	-	1	1	1	7429	142	216	74	276	7476	154	215	61	224
7365	-	-	-	-	7430	-	13	13	13	7478	377	445	68	498
7366	-	2	2	2	7431	-	13	13	13	7479	420	541	121	569
7367	-	21	21	21	7432	-	-	-	-	7480	8	14	6	14
7368	1	391	390	391	7433	-	4	4	4	7481	-	6	6	6
7369	2	18	16	18	7434	-	4	4	4	7482	-	4	4	4
7370	1	3	2	3	7435	-	1	1	1	7483	58	88	30	88
7371	49	278	229	280	7436	-	-	-	-	7484	9	11	2	11
7372	-	5	5	5	7438	-	-	-	-	7485	593	1149	556	1149
7373	201	667	466	900	7439	3	14	11	14	7486	67	119	52	122
7378	2	2	-	2	7440	-	3	3	3	7488	1	1	-	1
7379	-	4	4	6	7441	-	-	-	-	7489	21	22	1	26
7380	-	3	3	3	7442	-	7	7	7	7490	5	55	50	118
7381	-	3	3	3	7443	-	10	10	10	7491	7	17	10	83
7382	-	-	-	-	7444	-	4	4	4	7492	7	70	63	4
7383	15	45	30	45	7445	-	4	4	4	7500	-	-	-	-
7384	-	1	1	1	7448	1	5	4	5	7501	4	9	5	9
7385	-	33	33	33	7449	2	24	22	24	7502	2	6	4	6
7386	-	-	-	-	7450	124	148	24	148	7503	30	80	50	80
7387	-	-	-	-	7451	246	308	62	308	7504	33	81	48	81
7388	-	29	29	29	7452	274	337	63	337	7505	-	6	6	6
7389	3	27	24	33	7453	83	119	36	119	7506	3	4	1	4
7390	-	-	-	-	7454	424	835	411	847	7507	-	3	3	3
7391	-	-	-	-	7455	282	533	251	533	7508	1	5	4	5
7392	-	-	-	-	7456	205	313	108	313	7509	4	8	4	8
7393	-	-	-	-	7457	4	4	-	4	7510	26	58	32	58
7394	-	-	-	-	7458	-	1	1	1	7511	21	65	44	65
7395	-	-	-	-	7459	13	24	11	25	7512	8	79	71	79
7396	-	-	-	-	7460	48	93	45	102	7513	35	55	20	55
7397	-	-	-	-	7461	79	109	30	109	7514	38	64	26	64
7398	-	-	-	-	7462	43	55	12	55	7515	37	79	43	90
7399	-	-	-	-	7463	113	149	36	149	7516	148	251	103	251
7400	738	763	25	763	7464	60	106	46	106	7517	2	12	10	12
7401	-	-	-	-	7465	24	37	13	37	7518	5	10	5	10
7402	3	3	-	3	7466	8	12	4	12	7519	8	17	9	22
7410	193	252	59	53	7467	547	605	58	605	7520	-	-	-	-
7419	89	190	101	404	7468	442	757	315	760	7521	-	1	1	1
7420	107	148	41	148	7469	1626	2192	566	3132	7522	1	4	3	4
7421	139	285	146	285	7470	168	605	437	605	7523	1	3	2	3
7422	78	117	39	117	7471	159	300	141	300	7524	1	6	5	6
7423	515	686	172	891	7472	48	87	39	108	7525	2	12	10	12
7424	60	117	57	117	7473	166	296	130	296	7526	-	6	6	6
7425	41	74	36	86	7474	99	142	43	142	7527	-	14	14	14

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 MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
 CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
 OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL	AXIS SECOND- ARY	ENTITY AXIS
7528	2	12	10	12	7574	-	2	2	2	7619	1	1	-	1
7529	6	18	12	18	7575	-	1	1	1	7620	106	154	48	155
7530	367	591	224	592	7576	-	-	-	-	7621	535	661	126	703
7531	448	1036	590	1041	7578	-	-	-	-	7622	49	74	25	74
7532	13	41	28	41	7579	-	-	-	-	7623	13	27	14	27
7533	16	73	57	73	7580	288	916	628	916	7624	61	99	38	102
7534	-	12	12	12	7581	201	240	39	240	7625	52	67	15	73
7535	5	19	14	19	7582	331	390	59	390	7626	13	21	8	26
7536	2	19	17	19	7583	2	3	1	3	7627	134	262	128	262
7537	2	2	-	2	7584	-	2	2	2	7628	2	8	6	8
7538	1	17	16	17	7585	37	46	9	46	7629	-	1	1	1
7539	31	95	64	118	7586	9	38	29	38	7630	45	100	55	100
7540	-	3	3	3	7587	-	5	5	5	7631	22	33	11	33
7541	-	-	-	-	7588	1	5	4	5	7632	-	1	1	1
7542	8	22	14	22	7589	74	117	43	142	7633	-	-	-	-
7543	3	19	16	19	7590	15	60	45	60	7634	4	26	22	26
7544	-	-	-	-	7591	6	17	11	17	7635	2	2	-	2
7545	-	6	6	6	7592	1	14	13	14	7636	10	22	12	22
7546	-	-	-	-	7593	11	41	30	41	7637	1	4	3	4
7547	-	34	34	34	7594	31	45	14	45	7638	34	63	29	63
7548	4	39	35	39	7595	22	52	30	52	7639	5	5	-	7
7550	-	14	14	14	7596	18	31	13	31	7640	19	60	41	60
7551	-	13	13	13	7597	768	931	164	1772	7641	2	3	1	3
7552	3	14	11	14	7598	247	386	139	388	7642	3	6	3	6
7553	1	7	6	7	7599	71	131	60	282	7649	23	70	47	70
7554	1	13	12	13	7600	26	45	19	45	7650	1909	7612	5703	7644
7555	2	22	20	22	7601	5	12	7	13	7651	1779	11276	9497	13416
7556	-	29	29	29	7602	16	28	12	28	7660	-	2	2	2
7558	13	36	23	36	7603	8	13	5	13	7661	-	5	5	5
7559	-	7	7	8	7604	-	1	1	1	7662	-	47	47	47
7560	40	80	40	100	7605	8	24	16	24	7670	876	1885	1009	1888
7561	54	136	82	136	7606	1	1	-	1	7671	4	14	10	14
7562	-	-	-	-	7607	8	17	9	17	7672	-	5	5	5
7563	15	32	17	32	7608	56	91	35	91	7673	2	7	5	7
7564	23	71	48	71	7609	1	4	3	4	7674	6	8	2	8
7565	67	134	67	134	7610	224	256	32	256	7675	-	-	-	-
7566	455	577	122	577	7611	406	550	144	550	7676	-	-	-	-
7567	98	153	55	153	7612	8	68	60	68	7677	2	2	-	2
7568	19	35	16	35	7613	63	103	40	103	7678	36	95	59	95
7569	13	35	22	35	7614	7	8	1	8	7679	23	57	34	70
7570	1	5	4	5	7615	733	2050	1317	2050	7682	-	1	1	1
7571	3	21	18	21	7616	3	5	2	5	7683	-	3	3	3
7572	-	-	-	-	7617	5	16	11	16	7684	252	642	390	772
7573	17	72	55	72	7618	66	84	18	84	7685	49	109	60	133

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 MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
 CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
 OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
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7686	-	-	-	1	7750	9	50	41	50	7796	44	48	4	48
7689	1104	2716	1612	3694	7751	-	-	-	-	7798	2195	9920	7725	9920
769	4298	5203	905	5203	7752	-	-	-	-	7799	10	11	1	48
7700	56	109	53	109	7753	-	-	-	-	7800	38	6029	5991	6798
7701	311	712	401	712	7754	-	18	18	18	7801	-	9	9	9
7702	282	1441	1159	1441	7755	5	30	25	30	7802	24	1476	1452	1476
7703	160	658	498	658	7756	4	32	28	32	7803	433	8467	8035	8467
7704	479	613	134	613	7757	2	15	13	15	7804	-	100	100	100
7705	281	485	204	485	7758	-	-	-	-	7805	-	9	9	9
7706	-	-	-	-	7759	-	-	-	-	7806	32	1663	1631	1663
7707	395	703	308	704	7760	12	20	8	20	7807	3	969	966	969
7708	1718	4744	3026	4746	7761	1	2	1	2	7808	-	2	2	2
7709	1	1	-	1	7762	107	417	310	417	7809	-	243	243	243
7710	3	6	3	6	7763	-	7	7	7	7810	1	122	121	121
7711	24	30	6	30	7764	-	7	7	7	7811	-	1	1	1
7712	28	35	7	35	7765	2	7	6	6	7812	-	17	17	17
7713	-	-	-	-	7766	11	49	38	-	7813	5	185	180	185
7714	13	15	2	15	7767	1	3	2	3	7814	-	2	2	2
7715	-	-	-	-	7768	-	-	-	-	7815	-	-	-	-
7716	-	-	-	-	7769	-	3	3	3	7816	-	2	2	2
7717	4	10	6	10	7771	-	6	6	6	7817	-	3	3	3
7718	862	1819	957	1819	7772	-	-	-	-	7819	18	309	291	309
7720	5	10	5	11	7773	-	-	-	-	7820	-	4	4	4
7721	802	1701	899	1701	7774	-	1	1	1	7821	-	12	12	12
7722	31	119	88	121	7775	426	537	111	537	7822	-	6	6	6
7723	-	2	2	2	7776	22	99	77	99	7823	1	1997	1996	2058
7724	9	23	14	23	7778	3	7	4	7	7824	8	1539	1531	1539
7725	6	16	10	16	7779	-	-	-	-	7825	-	88	88	88
7726	8	16	8	16	7780	116	210	94	212	7826	-	2	2	2
7728	10	29	19	29	7781	1	14	13	14	7827	1	43	42	43
7729	27	114	87	123	7782	1	1	-	1	7828	-	-	-	-
7730	19	27	8	27	7783	15	53	38	53	7829	-	10	10	10
7731	-	-	-	-	7784	-	1	1	1	7830	5	854	849	854
7732	26	80	54	132	7785	1	20	19	20	7831	-	5	5	5
7733	2	4	2	2	7786	-	1	1	1	7832	1	358	357	350
7734	-	-	-	-	7787	-	-	-	-	7833	-	38	38	38
7735	-	-	-	-	7788	-	-	-	-	7834	7	301	294	305
7741	-	-	-	-	7789	1	1	-	1	7835	-	2	2	2
7742	9	53	44	3	7790	24	215	191	215	7836	-	31	31	31
7743	-	-	-	-	7791	-	9	9	9	7839	2	37	35	37
7744	9	17	8	17	7792	1	17	16	17	7840	1	40	39	40
7745	-	-	-	-	7793	1	4	3	4	7841	-	1	1	1
7746	4	27	23	81	7794	2	3	1	3	7842	2	59	57	59
7747	1	7	6	7	7795	1	5	4	5	7843	-	1748	1748	1748

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 MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
 CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
 OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
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7844	-	27	27	27	7891	2	582	580	582	7943	1	16	15	16
7845	-	124	124	124	7892	1	305	304	308	7944	-	2	2	2
7846	-	9	9	9	7893	4	391	387	391	7945	-	-	-	-
7847	7	182	175	182	7894	-	2	2	2	7946	-	-	-	-
7848	1	26	25	26	7895	4	5604	5600	5604	7947	-	-	-	-
7849	-	13	13	13	7899	22	388	366	388	7948	-	20	20	20
7850	7	585	578	585	7900	-	1	1	1	7949	-	-	-	-
7851	-	3	3	3	7901	-	-	-	-	7950	-	-	-	-
7852	-	41	41	41	7902	-	90	90	90	7951	2	4	2	4
7853	-	1	1	1	7903	7	1428	1421	1490	7952	-	1	1	1
7854	63	5103	5040	10380	7904	-	1	1	1	7953	-	-	-	-
7855	698	65631	64933	65634	7905	-	1	1	1	7954	-	-	-	-
7856	6	133	127	133	7906	5	668	663	799	7955	-	6	6	6
7859	-	23	23	23	7907	8	980	972	1008	7956	-	-	-	-
7860	77	9522	9445	9522	7908	16	172	156	172	7957	-	-	-	-
7861	-	7	7	7	7909	-	8	8	8	7960	1	2	1	2
7862	-	44	44	44	7910	-	27	27	27	7961	-	-	-	-
7863	57	3800	3743	3800	7911	-	5	5	5	7962	-	2	2	2
7864	-	6	6	6	7912	-	2	2	2	7963	-	5	5	5
7865	4	219	215	219	7913	1	23	22	23	7964	-	-	-	-
7866	-	29	29	29	7914	-	-	-	-	7969	-	-	-	-
7867	-	1	1	1	7915	-	6	6	6	797	1128	22608	21482	22891
7868	-	7	7	7	7916	-	1	1	1	7980	5301	5902	602	5900
7869	-	25	25	25	7917	-	-	-	-	7981	317	344	27	344
7870	3	875	872	884	7919	15	5077	5062	5077	7982	1	1	-	1
7871	-	-	-	-	7920	-	-	-	-	7989	125	136	11	136
7872	3	1266	1263	1266	7921	-	1	1	1	7990	41	9319	9278	9376
7873	-	90	90	90	7922	-	-	-	-	7991	2012	157783	155771	157781
7874	-	-	-	-	7923	-	-	-	-	7992	-	14	14	14
7875	-	1	1	1	7924	-	-	-	-	7993	35	7942	7907	7942
7876	-	21	21	21	7929	-	-	-	-	7994	36	10097	10061	10173
7877	-	-	-	-	7930	-	-	-	-	7998	197	8896	8699	8896
7879	-	2	2	2	7931	1	73	72	73	7999	18917	33896	14980	33753
7880	-	10	10	10	7932	-	16	16	16	E8000	8	9	1	9
7881	-	2	2	2	7933	-	3	3	3	E8001	1	1	-	1
7882	1	569	568	569	7934	-	-	-	-	E8002	-	-	-	-
7883	-	241	241	241	7935	-	-	-	-	E8003	-	-	-	-
7884	-	2	2	2	7936	-	-	-	-	E8008	-	-	-	-
7885	-	731	731	731	7937	-	-	-	-	E8009	2	2	-	2
7886	-	2	2	2	7938	-	-	-	-	E8010	-	-	-	-
7887	-	-	-	-	7939	-	-	-	-	E8011	-	-	-	-
7888	-	11	11	11	7940	-	9	9	9	E8012	-	-	-	-
7889	-	12	12	12	7941	-	-	-	-	E8013	3	3	-	3
7890	12	720	708	720	7942	-	-	-	-	E8018	-	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
E8019	2	2	-	2	E8107	-	-	-	-	E8151	1619	1630	12	1631
E8020	4	4	-	4	E8108	-	-	-	-	E8152	644	649	5	649
E8021	-	-	-	-	E8109	264	264	-	264	E8153	80	80	-	80
E8022	-	-	-	-	E8110	25	25	-	25	E8154	-	-	-	-
E8023	-	-	-	-	E8111	16	16	-	16	E8155	4	4	-	4
E8028	-	-	-	-	E8112	-	-	-	-	E8156	-	-	-	-
E8029	-	-	-	-	E8113	-	-	-	-	E8157	6	6	-	6
E8030	-	-	-	-	E8114	-	-	-	-	E8158	2	2	-	2
E8031	-	-	-	-	E8115	-	-	-	-	E8159	1117	1136	19	1136
E8032	-	-	-	-	E8116	-	-	-	-	E8160	4199	4262	64	4261
E8033	-	-	-	-	E8117	-	-	-	-	E8161	1771	1780	9	1780
E8038	-	-	-	-	E8118	-	-	-	-	E8162	527	528	1	528
E8039	-	-	-	-	E8119	1	1	-	1	E8163	60	60	-	60
E8040	5	5	-	5	E8120	8257	8360	102	8359	E8164	-	-	-	-
E8041	4	4	-	4	E8121	4279	4345	66	4345	E8165	-	-	-	-
E8042	8	10	2	10	E8122	1899	1916	17	1916	E8166	-	-	-	-
E8043	-	-	-	-	E8123	254	259	5	259	E8167	14	14	-	14
E8048	3	3	-	3	E8124	-	-	-	-	E8168	-	-	-	-
E8049	19	21	2	21	E8125	-	-	-	-	E8169	1838	1874	37	1874
E8050	21	21	-	21	E8126	-	-	-	-	E8170	-	-	-	-
E8051	-	-	-	-	E8127	44	44	-	44	E8171	8	9	1	9
E8052	454	455	1	455	E8128	3	3	-	3	E8172	-	-	-	-
E8053	-	-	-	-	E8129	3506	3572	66	3572	E8173	-	-	-	-
E8058	3	4	1	4	E8130	5	5	-	5	E8174	-	-	-	-
E8059	21	21	-	21	E8131	1	1	-	1	E8175	-	-	-	-
E8060	4	4	-	4	E8132	4	4	-	4	E8176	-	-	-	-
E8061	1	1	-	1	E8133	2	2	-	2	E8177	2	2	-	2
E8062	-	-	-	-	E8134	-	-	-	-	E8178	1	1	-	1
E8063	-	-	-	-	E8135	9	9	-	9	E8179	10	10	-	10
E8068	-	-	-	-	E8136	860	871	11	871	E8180	70	70	-	70
E8069	3	3	-	3	E8137	3	3	-	3	E8181	355	360	5	359
E8070	1	1	-	1	E8138	3	3	-	3	E8182	30	30	-	30
E8071	-	-	-	-	E8139	15	15	-	15	E8183	12	12	-	12
E8072	3	3	-	3	E8140	7	7	-	7	E8184	1	1	-	1
E8073	-	-	-	-	E8141	-	1	1	1	E8185	-	-	-	-
E8078	-	-	-	-	E8142	4	4	-	4	E8186	1	1	-	1
E8079	14	14	-	14	E8143	-	-	-	-	E8187	8	8	-	8
E8100	284	285	1	285	E8144	-	-	-	-	E8188	9	11	2	11
E8101	134	138	4	138	E8145	1	1	-	1	E8189	450	460	10	460
E8102	12	12	-	12	E8146	1	1	-	1	E8190	539	557	18	557
E8103	2	2	-	2	E8147	7994	8098	104	8098	E8191	443	448	5	448
E8104	-	-	-	-	E8148	-	-	-	-	E8192	93	93	-	93
E8105	-	-	-	-	E8149	12	12	-	12	E8193	18	18	-	18
E8106	-	-	-	-	E8150	3944	4023	79	4023	E8194	-	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 2

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E8195	-	-	-	-	E8239	23	23	-	23	E8292	-	-	-	-		
E8196	-	-	-	-	E8240	-	-	-	2	E8293	1	2	1	2		
E8197	-	1	1	1	E8241	2	2	-	-	E8294	-	-	-	-		
E8198	2	2	-	2	E8242	-	-	-	-	E8298	-	-	-	-		
E8199	4362	4603	242	4604	E8243	2	2	-	2	E8299	-	1	1	1		
E8200	17	17	-	17	E8244	-	-	-	-	E8300	137	137	-	137		
E8201	2	2	-	2	E8245	-	-	-	-	E8301	19	19	-	19		
E8202	-	-	-	-	E8246	-	-	-	-	E8302	9	9	-	9		
E8203	-	-	-	-	E8247	1	1	-	1	E8303	4	4	-	4		
E8204	-	-	-	-	E8248	-	-	-	-	E8304	-	-	-	-		
E8205	-	-	-	-	E8249	17	19	2	19	E8305	-	-	-	-		
E8206	-	-	-	-	E8250	55	57	2	57	E8306	-	-	-	-		
E8207	1	1	-	1	E8251	62	64	2	64	E8308	4	4	-	4		
E8208	4	4	-	4	E8252	36	39	3	39	E8309	375	375	-	375		
E8209	43	44	1	44	E8253	3	3	-	3	E8310	3	3	-	3		
E8210	16	16	-	16	E8254	-	-	-	-	E8311	9	9	-	9		
E8211	7	7	-	7	E8255	-	-	-	-	E8312	3	3	-	3		
E8212	12	12	-	12	E8256	-	-	-	-	E8313	1	1	-	1		
E8213	-	-	-	-	E8257	14	14	-	14	E8314	5	5	-	5		
E8214	-	-	-	-	E8258	4	4	-	4	E8315	-	-	-	-		
E8215	-	-	-	-	E8259	196	207	11	207	E8316	-	-	-	-		
E8216	-	-	-	-	E8260	7	9	2	9	E8318	2	2	-	2		
E8217	7	7	-	7	E8261	96	99	3	99	E8319	29	29	-	29		
E8218	1	1	-	1	E8262	-	-	-	-	E8320	69	70	1	70		
E8219	50	50	-	50	E8263	-	-	-	-	E8321	16	16	-	16		
E8220	11	11	-	11	E8264	-	-	-	-	E8322	27	27	-	27		
E8221	2	2	-	2	E8268	-	-	-	-	E8323	-	-	-	-		
E8222	20	20	-	20	E8269	8	8	-	8	E8324	1	1	-	1		
E8223	-	-	-	-	E8270	1	1	-	1	E8325	-	-	-	-		
E8224	-	-	-	-	E8271	-	-	-	-	E8326	-	-	-	-		
E8225	-	-	-	-	E8272	-	-	-	-	E8328	3	3	-	3		
E8226	2	2	-	2	E8273	3	3	-	3	E8329	393	397	4	397		
E8227	500	509	9	509	E8274	-	-	-	-	E8330	-	-	-	-		
E8228	2	2	-	2	E8278	-	-	-	-	E8331	-	-	-	-		
E8229	15	15	-	15	E8279	-	-	-	-	E8332	1	1	-	1		
E8230	30	30	-	30	E8280	-	-	-	-	E8333	-	-	-	-		
E8231	15	15	-	15	E8281	-	-	-	-	E8334	-	-	-	-		
E8232	14	14	-	14	E8282	102	102	-	102	E8335	-	-	-	-		
E8233	-	-	-	-	E8283	-	-	-	-	E8336	-	-	-	-		
E8234	-	-	-	-	E8284	-	-	-	-	E8338	-	-	-	-		
E8235	-	-	-	-	E8288	-	-	-	-	E8339	4	4	-	4		
E8236	-	-	-	-	E8289	3	3	-	3	E8340	-	-	-	-		
E8237	2	2	-	2	E8290	-	-	-	-	E8341	-	-	-	-		
E8238	3	3	-	3	E8291	-	-	-	-	E8342	2	3	1	3		

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
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E8343	-	-	-	-	E8402	3	3	-	3	E8446	-	-	-	-
E8344	-	-	-	-	E8403	53	53	-	53	E8447	50	50	-	50
E8345	-	-	-	-	E8404	-	-	-	-	E8448	6	6	-	6
E8346	-	-	-	-	E8405	22	22	-	22	E8449	5	5	-	5
E8348	-	-	-	-	E8406	-	-	-	-	E8450	-	-	-	-
E8349	1	1	-	1	E8407	-	-	-	-	E8451	-	-	-	-
E8350	-	-	-	-	E8408	-	-	-	-	E8452	-	-	-	-
E8351	2	2	-	2	E8409	6	6	-	6	E8453	-	-	-	-
E8352	3	3	-	3	E8410	-	-	-	-	E8454	-	-	-	-
E8353	4	4	-	4	E8411	108	108	-	108	E8455	-	-	-	-
E8354	-	-	-	-	E8412	96	97	1	97	E8456	-	-	-	-
E8355	-	-	-	-	E8413	847	851	4	851	E8457	-	-	-	-
E8356	-	-	-	-	E8414	19	19	-	19	E8458	-	-	-	-
E8358	-	-	-	-	E8415	278	278	-	278	E8459	-	-	-	-
E8359	9	9	-	9	E8416	-	-	-	-	E846	21	21	-	21
E8360	-	-	-	-	E8417	-	-	-	-	E847	-	-	-	-
E8361	-	-	-	-	E8418	-	-	-	-	E848	15	18	3	18
E8362	5	5	-	5	E8419	12	16	4	16	E8500	410	437	27	437
E8363	-	-	-	-	E8420	-	-	-	-	E8501	81	96	16	97
E8364	-	-	-	-	E8421	-	-	-	-	E8502	34	42	8	42
E8365	-	-	-	-	E8422	-	-	-	-	E8503	5	5	-	5
E8366	1	1	-	1	E8423	-	-	-	-	E8504	-	4	4	4
E8368	-	-	-	-	E8424	-	-	-	-	E8505	83	94	11	94
E8369	-	-	-	-	E8425	-	-	-	-	E8508	157	416	259	416
E8370	-	-	-	-	E8426	51	52	1	52	E8509	-	-	-	-
E8371	-	-	-	-	E8427	-	-	-	-	E851	74	84	10	84
E8372	2	2	-	2	E8428	-	-	-	-	E8520	7	7	-	7
E8373	-	-	-	-	E8429	-	-	-	-	E8521	-	-	-	-
E8374	-	-	-	-	E8430	-	-	-	-	E8522	-	-	-	-
E8375	-	-	-	-	E8431	2	2	-	2	E8523	7	16	9	16
E8376	-	-	-	-	E8432	-	-	-	-	E8524	7	9	2	9
E8378	1	1	-	1	E8433	-	-	-	-	E8525	16	16	-	16
E8379	1	1	-	1	E8434	-	-	-	-	E8528	19	22	3	22
E8380	1	1	-	1	E8435	2	2	-	2	E8529	3	3	-	3
E8381	12	12	-	12	E8436	-	-	-	-	E8530	31	36	5	36
E8382	8	8	-	8	E8437	4	4	-	4	E8531	2	2	-	2
E8383	1	1	-	1	E8438	-	-	-	-	E8532	54	62	9	63
E8384	7	7	-	7	E8439	2	2	-	2	E8538	7	10	3	10
E8385	5	5	-	5	E8440	-	-	-	-	E8539	2	2	-	2
E8386	-	-	-	-	E8441	2	2	-	2	E8540	140	149	10	150
E8388	4	4	-	4	E8442	-	-	-	-	E8541	2	6	4	6
E8389	44	46	2	46	E8443	2	2	-	2	E8542	20	23	3	23
E8400	-	-	-	-	E8444	-	-	-	-	E8543	-	-	-	-
E8401	8	8	-	8	E8445	1	1	-	1	E8550	11	13	2	13

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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ICD-9 CODE	RECORD COUNT BY CODE FIELD			ICD-9 CODE	UC	RECORD COUNT BY CODE FIELD			ICD-9 CODE	UC	RECORD COUNT BY CODE FIELD			
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E8551	25	29	4	29	E8633	-	-	-	-	E8701	2	2	-	2
E8552	150	172	22	172	E8634	9	10	1	10	E8702	2	3	1	3
E8553	2	2	-	2	E8635	2	6	4	6	E8703	-	-	-	-
E8554	5	5	-	5	E8636	-	-	-	-	E8704	8	10	2	10
E8555	2	4	2	4	E8637	1	2	1	2	E8705	17	21	4	21
E8556	-	-	-	-	E8638	4	4	-	4	E8706	16	17	1	17
E8558	-	-	-	-	E8639	3	4	1	4	E8707	14	18	4	18
E8559	3	4	1	4	E8640	-	-	-	-	E8708	30	35	5	35
E856	51	90	39	90	E8641	4	9	5	9	E8709	6	7	1	7
E857	12	13	1	13	E8642	7	14	7	14	E8710	-	2	2	2
E8580	23	38	15	38	E8643	1	3	2	3	E8711	-	-	-	-
E8581	26	45	19	45	E8644	3	5	2	5	E8712	-	-	-	-
E8582	27	40	13	40	E8650	-	-	-	-	E8713	-	-	-	-
E8583	217	618	401	618	E8651	-	-	-	-	E8714	-	-	-	-
E8584	5	5	-	5	E8652	2	2	-	2	E8715	2	2	-	2
E8585	22	44	22	44	E8653	-	-	-	-	E8716	-	-	-	-
E8586	21	43	22	43	E8654	-	-	-	-	E8717	-	-	-	-
E8587	2	6	4	6	E8655	4	4	-	4	E8718	-	-	-	-
E8588	380	406	27	406	E8658	-	-	-	-	E8719	-	2	2	2
E8589	485	564	89	572	E8659	-	1	1	1	E8720	-	-	-	-
E8600	1	4	3	4	E8660	6	10	4	10	E8721	-	-	-	-
E8601	192	299	107	299	E8661	-	-	-	-	E8722	1	1	-	1
E8602	10	14	4	14	E8662	-	-	-	-	E8723	-	-	-	-
E8603	14	19	5	19	E8663	5	5	-	5	E8724	-	-	-	-
E8604	-	-	-	-	E8664	8	25	17	25	E8725	-	-	-	-
E8608	4	4	-	4	E8665	-	-	-	-	E8726	-	-	-	-
E8609	158	238	80	238	E8666	2	2	-	2	E8728	-	-	-	-
E8610	-	-	-	-	E8667	-	-	-	-	E8729	-	-	-	-
E8611	-	-	-	-	E8668	12	18	6	18	E8730	1	1	-	1
E8612	3	3	-	3	E8669	24	30	6	30	E8731	-	-	-	-
E8613	3	4	1	4	E867	66	69	3	69	E8732	1	8	7	8
E8614	3	5	2	5	E8680	31	32	1	32	E8733	-	-	-	-
E8615	-	-	-	-	E8681	27	29	2	29	E8734	-	-	-	-
E8616	2	7	5	7	E8682	612	618	6	618	E8735	2	2	-	2
E8619	-	-	-	-	E8683	108	110	2	110	E8736	1	1	-	1
E8620	1	1	-	1	E8688	27	27	-	27	E8738	-	-	-	-
E8621	19	24	5	24	E8689	261	278	17	278	E8739	-	-	-	-
E8622	-	-	-	-	E8690	4	6	2	6	E8740	1	1	-	1
E8623	-	-	-	-	E8691	-	2	2	2	E8741	4	4	-	4
E8624	37	42	5	42	E8692	9	9	-	9	E8742	2	2	-	2
E8629	1	3	2	3	E8693	-	-	-	-	E8743	-	-	-	-
E8630	-	-	-	-	E8698	134	178	44	178	E8744	-	-	-	-
E8631	11	12	1	12	E8699	20	24	4	24	E8745	-	-	-	-
E8632	-	2	2	2	E8700	76	85	9	85	E8748	2	3	1	3

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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E8749	-	1	1	1	E8842	478	887	409	887	E903	-	-	-	-
E8750	2	42	40	42	E8849	345	378	33	378	E9040	3	10	7	10
E8751	-	2	2	2	E885	424	637	213	637	E9041	149	297	148	297
E8752	-	-	-	-	E8860	2	2	-	2	E9042	2	2	-	2
E8758	-	-	-	-	E8869	3	3	-	3	E9043	167	267	102	268
E8759	-	1	1	-	E887	2954	13319	10365	13319	E9049	9	12	3	12
E8760	2	2	-	2	E888	5752	9635	3883	9633	E9050	3	4	1	4
E8761	-	-	-	-	E8900	3	3	-	3	E9051	4	6	2	6
E8762	1	1	-	1	E8901	-	-	-	-	E9052	-	-	-	-
E8763	-	-	-	-	E8902	2992	3032	39	3028	E9053	32	42	10	42
E8764	-	-	-	-	E8903	1200	1224	24	1224	E9054	-	-	-	-
E8765	-	-	-	-	E8908	134	135	1	135	E9055	6	6	-	6
E8768	33	42	9	42	E8909	81	98	17	98	E9056	-	-	-	-
E8769	4	6	2	6	E8910	2	2	-	2	E9057	-	-	-	-
E8780	10	250	240	250	E8911	-	-	-	-	E9058	-	-	-	-
E8781	171	2823	2652	2823	E8912	109	110	1	110	E9059	-	-	-	-
E8782	129	3568	3439	3568	E8913	73	74	1	74	E9060	21	23	2	23
E8783	148	880	732	880	E8918	8	8	-	8	E9061	-	-	-	-
E8784	72	1375	1303	1375	E8919	5	5	-	5	E9062	-	-	-	-
E8785	255	1007	752	1007	E892	76	79	3	79	E9063	1	3	2	3
E8786	169	5358	5189	5358	E8930	111	118	7	118	E9064	2	6	4	6
E8788	255	2579	2324	2579	E8931	10	11	1	11	E9068	70	81	11	81
E8789	616	6187	5571	6187	E8932	33	33	-	33	E9069	6	6	-	6
E8790	13	72	59	72	E8938	89	95	6	95	E907	73	75	2	75
E8791	6	146	140	146	E8939	58	59	1	59	E908	89	89	-	89
E8792	16	1349	1333	1349	E894	90	97	7	97	E909	21	23	2	23
E8793	3	4	1	4	E895	51	54	3	54	E9100	3	3	-	3
E8794	5	18	13	18	E896	6	8	2	8	E9101	78	80	2	80
E8795	-	-	-	-	E897	40	42	2	42	E9102	1333	1342	9	1342
E8796	100	297	197	297	E8980	62	69	7	69	E9103	57	57	-	57
E8797	-	-	-	-	E8981	131	143	12	143	E9104	304	358	54	358
E8798	157	876	719	876	E899	272	429	157	429	E9108	2510	2559	50	2560
E8799	5	73	68	73	E9000	98	107	9	107	E9109	934	944	10	944
E8800	1	1	-	1	E9001	15	22	7	22	E911	2083	5035	2953	5034
E8809	1331	1479	148	1479	E9009	208	270	62	270	E912	1292	8761	7469	8761
E8810	234	264	30	264	E9010	298	365	67	365	E9130	146	150	4	150
E8811	101	107	6	107	E9011	-	-	-	-	E9131	34	37	3	36
E882	695	717	22	717	E9018	7	8	1	8	E9132	39	39	-	39
E8830	59	61	2	61	E9019	395	665	272	665	E9133	145	147	2	147
E8831	1	1	-	1	E9020	-	-	-	-	E9138	371	376	5	376
E8832	2	2	-	2	E9021	2	2	-	2	E9139	146	164	18	164
E8839	60	69	9	69	E9022	1	1	-	1	E914	-	-	-	-
E8840	7	7	-	7	E9028	-	-	-	-	E915	41	64	23	64
E8841	142	144	2	144	E9029	1	1	-	1	E916	1082	1099	16	1098

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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E9170	31	32	1	32	E9258	486	491	5	491	E9320	-	255	255	255
E9171	-	-	-	-	E9259	146	151	5	151	E9321	1	16	15	16
E9172	-	-	-	-	E9260	-	-	-	-	E9322	-	10	10	10
E9179	224	259	35	259	E9261	-	-	-	-	E9323	6	123	117	123
E918	118	126	8	126	E9262	-	-	-	-	E9324	-	-	-	-
E9190	793	800	7	800	E9263	-	-	-	-	E9325	-	-	-	-
E9191	134	134	-	134	E9264	-	-	-	-	E9326	-	-	-	-
E9192	199	206	7	206	E9265	-	-	-	-	E9327	-	1	1	1
E9193	26	26	-	26	E9268	-	-	-	-	E9328	-	2	2	2
E9194	16	16	-	16	E9269	2	2	-	2	E9329	-	-	-	-
E9195	-	-	-	-	E927	36	57	21	57	E9330	-	3	3	3
E9196	7	7	-	7	E9280	-	-	-	-	E9331	4	1042	1038	1042
E9197	109	108	-	108	E9281	-	-	-	-	E9332	-	-	-	-
E9198	108	109	1	109	E9282	-	-	-	-	E9333	-	-	-	-
E9199	54	55	1	55	E9288	17	25	8	25	E9334	-	-	-	-
E9200	7	11	4	11	E9289	1954	3600	1646	3600	E9335	-	-	-	-
E9201	16	16	-	16	E9290	154	229	75	229	E9338	-	-	-	-
E9202	-	-	-	-	E9291	16	16	-	16	E9339	-	-	-	-
E9203	7	7	-	7	E9292	27	60	33	60	E9340	-	1	1	1
E9204	5	7	2	7	E9293	188	1198	1010	1198	E9341	-	3	3	3
E9208	51	54	3	54	E9294	5	20	15	20	E9342	-	283	283	283
E9209	30	43	13	43	E9295	1	14	13	14	E9343	-	4	4	4
E9210	21	23	2	23	E9298	60	106	46	106	E9344	-	-	-	-
E9211	9	9	-	9	E9299	191	587	396	587	E9345	1	4	3	4
E9218	40	40	-	40	E9300	21	33	12	33	E9346	-	-	-	-
E9219	8	8	-	8	E9301	-	7	7	7	E9347	-	1	1	1
E9220	253	254	1	254	E9302	-	3	3	3	E9348	-	-	-	-
E9221	281	283	2	283	E9303	-	-	-	-	E9349	-	-	-	-
E9222	148	148	-	148	E9304	-	1	1	1	E9350	1	8	7	8
E9223	-	-	-	-	E9305	2	4	2	4	E9351	1	40	39	40
E9228	-	-	-	-	E9306	-	11	11	11	E9352	-	13	13	13
E9229	1292	1327	35	1327	E9307	-	121	121	121	E9353	-	4	4	4
E9230	3	3	-	3	E9308	-	19	19	19	E9354	3	19	16	19
E9231	10	10	-	10	E9309	-	21	21	21	E9355	-	-	-	-
E9232	166	167	1	167	E9310	-	16	16	16	E9358	3	7	4	7
E9238	94	101	7	101	E9311	-	2	2	2	E9359	-	5	5	5
E9239	79	79	-	79	E9312	-	-	-	-	E9360	-	-	-	-
E9240	152	180	28	180	E9313	-	-	-	-	E9361	3	20	17	20
E9241	12	14	2	14	E9314	-	2	2	2	E9362	-	-	-	-
E9248	21	29	8	29	E9315	-	-	-	-	E9363	1	7	6	7
E9249	-	-	-	-	E9316	-	-	-	-	E9364	-	4	4	4
E9250	132	137	5	137	E9317	-	-	-	-	E9370	-	3	3	3
E9251	108	108	-	108	E9318	-	23	23	23	E9371	-	1	1	1
E9252	111	110	-	111	E9319	-	8	8	8	E9372	-	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD				ICD-9 CODE	RECORD COUNT BY CODE FIELD			
	UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS		UC	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS
E9373	-	-	-	-	E9430	-	2	2	2	E9481	-	-	-	-
E9374	-	-	-	-	E9431	-	-	-	-	E9482	-	-	-	-
E9375	-	1	1	1	E9432	-	-	-	-	E9483	-	-	-	-
E9376	-	-	-	-	E9433	-	2	2	2	E9484	-	-	-	-
E9378	-	-	-	-	E9434	-	-	-	-	E9485	-	-	-	-
E9379	-	4	4	4	E9435	-	-	-	-	E9486	-	-	-	-
E9380	-	-	-	-	E9436	-	-	-	-	E9488	-	-	-	-
E9381	2	14	12	14	E9438	-	2	2	2	E9489	-	-	-	-
E9382	-	1	1	1	E9439	-	-	-	-	E9490	-	-	-	-
E9383	1	3	2	3	E9440	-	-	-	-	E9491	-	-	-	-
E9384	-	26	26	26	E9441	-	1	1	1	E9492	-	-	-	-
E9385	2	8	6	8	E9442	-	1	1	1	E9493	-	-	-	-
E9386	2	4	2	4	E9443	1	5	4	5	E9494	-	-	-	-
E9387	2	6	4	6	E9444	-	18	18	18	E9495	-	-	-	-
E9389	9	144	135	144	E9445	-	1	1	1	E9496	-	-	-	-
E9390	-	-	-	-	E9446	-	-	-	-	E9497	-	-	-	-
E9391	3	18	15	18	E9447	2	10	8	10	E9499	-	1	1	1
E9392	4	9	5	9	E9450	-	-	-	-	E9500	286	294	10	296
E9393	-	-	-	-	E9451	-	-	-	-	E9501	394	399	5	399
E9394	-	2	2	2	E9452	-	2	2	2	E9502	121	121	-	121
E9395	-	-	-	-	E9453	-	-	-	-	E9503	774	785	13	786
E9396	-	-	-	-	E9454	-	-	-	-	E9504	514	530	18	532
E9397	-	-	-	-	E9455	1	1	-	1	E9505	599	614	20	618
E9398	-	1	1	1	E9456	-	-	-	-	E9506	60	63	3	63
E9399	-	1	1	1	E9457	-	8	8	8	E9507	38	44	6	44
E9400	-	-	-	-	E9458	-	4	4	4	E9508	10	10	-	10
E9401	-	-	-	-	E9460	3	11	8	11	E9509	141	235	95	235
E9408	-	-	-	-	E9461	-	-	-	-	E9510	29	29	-	29
E9409	-	-	-	-	E9462	-	-	-	-	E9511	8	8	-	8
E9410	-	-	-	-	E9463	-	-	-	-	E9518	4	4	-	4
E9411	-	2	2	2	E9464	-	2	2	2	E9520	1938	1947	9	1947
E9412	-	4	4	4	E9465	-	-	-	-	E9521	403	405	2	405
E9413	3	5	2	5	E9466	-	-	-	-	E9528	22	23	1	23
E9419	-	-	-	-	E9467	-	-	-	-	E9529	2	2	-	2
E9420	-	35	35	35	E9468	-	-	-	-	E9530	3491	3516	25	3516
E9421	1	27	26	27	E9469	-	-	-	-	E9531	167	169	3	170
E9422	-	-	-	-	E9470	-	1	1	1	E9538	50	52	2	52
E9423	-	-	-	-	E9471	-	-	-	-	E9539	62	62	-	62
E9424	-	-	-	-	E9472	-	-	-	-	E954	550	562	12	562
E9425	-	-	-	-	E9473	1	3	2	3	E9550	2374	2380	6	2380
E9426	-	6	6	6	E9474	-	-	-	-	E9551	2113	2125	12	2125
E9427	-	-	-	-	E9478	44	134	90	134	E9552	1039	1047	8	1047
E9428	-	-	-	-	E9479	75	278	205	280	E9553	-	-	-	-
E9429	-	1	1	1	E9480	4	4	-	4	E9554	10699	10741	42	10741

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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E9555	4	5	1	5	E9683	13	13	-	13	E9871	34	36	2	36
E9559	3	3	-	3	E9684	16	24	8	24	E9872	7	7	-	7
E956	369	407	38	407	E9688	791	949	158	949	E9879	67	67	-	67
E9570	333	336	3	336	E9689	1087	1285	198	1285	E9880	27	27	-	27
E9571	318	321	3	321	E969	45	68	23	68	E9881	238	253	15	253
E9572	9	11	2	11	E970	274	274	-	274	E9882	7	9	2	9
E9579	135	137	2	137	E971	-	1	1	1	E9883	24	31	7	31
E9580	212	212	-	212	E972	-	-	-	-	E9884	8	8	-	8
E9581	126	132	6	132	E973	5	7	2	7	E9885	10	13	3	13
E9582	1	1	-	1	E974	-	1	1	1	E9886	4	4	-	4
E9583	4	5	1	5	E975	2	2	-	2	E9887	-	-	-	-
E9584	12	13	1	13	E976	2	2	-	2	E9888	184	223	39	223
E9585	43	43	-	43	E977	-	-	-	-	E9889	620	699	79	699
E9586	-	-	-	-	E978	2	2	-	2	E989	28	46	18	46
E9587	1	1	-	1	E9800	210	256	46	256	E9900	-	-	-	-
E9588	34	35	1	35	E9801	52	53	1	53	E9909	-	-	-	-
E9589	48	58	10	58	E9802	20	20	-	20	E9910	-	-	-	-
E959	7	11	4	11	E9803	149	153	4	153	E9911	-	-	-	-
E9600	82	105	23	105	E9804	193	209	16	209	E9912	-	4	4	4
E9601	5	35	30	35	E9805	165	179	14	179	E9913	-	-	-	-
E961	-	-	-	-	E9806	4	4	-	4	E9919	-	2	2	2
E9620	33	36	3	36	E9807	3	3	-	3	E992	-	-	-	-
E9621	6	6	-	6	E9808	3	5	2	5	E993	-	1	1	1
E9622	11	13	2	13	E9809	51	88	37	88	E994	-	-	-	-
E9629	1	1	-	1	E9810	4	4	-	4	E995	-	-	-	-
E963	931	1055	125	1056	E9811	4	4	-	4	E996	-	-	-	-
E964	78	82	5	83	E9818	2	2	-	2	E9970	-	-	-	-
E9650	1005	1010	5	1010	E9820	138	138	-	138	E9971	-	-	-	-
E9651	1326	1339	13	1339	E9821	70	72	2	72	E9972	-	-	-	-
E9652	221	232	11	232	E9828	11	11	-	11	E9978	-	-	-	-
E9653	1	1	-	1	E9829	-	-	-	-	E9979	-	-	-	-
E9654	12412	12477	67	12477	E9830	53	54	1	54	E998	-	-	-	-
E9655	-	-	-	-	E9831	6	6	-	6	E999	23	54	31	54
E9656	-	-	-	-	E9838	19	21	2	21	N800	...	305	305	305
E9657	-	-	-	-	E9839	27	26	-	27	N801	...	2126	2126	2126
E9658	10	10	-	10	E984	386	388	2	388	N802	...	904	904	904
E9659	5	5	-	5	E9850	66	68	2	68	N803	...	10414	10414	10414
E966	4378	4677	299	4677	E9851	48	48	-	48	N805	...	6416	6416	6415
E9670	18	18	-	18	E9852	19	19	-	19	N806	...	8	8	8
E9671	2	2	-	2	E9853	-	-	-	-	N807	...	4647	4647	4647
E9679	160	166	6	166	E9854	490	502	12	502	N808	...	1995	1995	1995
E9680	229	263	37	266	E9855	-	-	-	-	N809	...	47	47	47
E9681	22	22	-	22	E986	24	27	3	27	N810	...	340	340	340
E9682	370	385	15	385	E9870	53	54	1	54	N811	...	32	32	32

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
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N812	...	1304	1304	1304	N862	...	11011	11011	11012	N9055	...	43	43	43
N813	...	247	247	247	N863	...	1484	1484	1184	N9056	...	12	12	12
N814	...	246	246	246	N864	...	3178	3178	3179	N9057	...	1	1	1
N815	...	19	19	19	N865	...	1705	1705	1705	N9058	...	-	-	-
N816	...	15	15	15	N866	...	585	585	585	N9059	...	5	5	5
N817	...	-	-	-	N867	...	295	295	295	N9060	...	86	86	86
N818	...	398	398	398	N868	...	4324	4324	4324	N9061	...	6	6	6
N819	...	127	127	127	N869	...	7275	7275	7275	N9062	...	1	1	1
N820	...	14404	14404	14404	N870	...	19	19	19	N9063	...	12	12	12
N821	...	3035	3035	3035	N871	...	79	79	79	N9064	...	-	-	-
N822	...	144	144	144	N872	...	61	61	61	N9065	...	2	2	2
N823	...	620	620	620	N873	...	17502	17502	17502	N9066	...	2	2	2
N824	...	294	294	294	N874	...	2671	2671	2671	N9067	...	8	8	8
N825	...	35	35	35	N875	...	11762	11762	11762	N9068	...	5	5	5
N826	...	7	7	7	N876	...	1249	1249	1249	N9069	...	7	7	7
N827	...	723	723	723	N877	...	83	83	83	N9070	...	763	763	762
N828	...	629	629	629	N878	...	34	34	34	N9071	...	3	3	3
N829	...	2405	2405	2405	N879	...	14232	14232	14234	N9072	...	225	225	225
N830	...	4	4	4	N880	...	329	329	329	N9073	...	-	-	-
N831	...	47	47	47	N881	...	234	234	234	N9074	...	2	2	2
N832	...	10	10	10	N882	...	118	118	118	N9075	...	1	1	1
N833	...	12	12	12	N883	...	18	16	18	N9079	...	9	9	9
N834	...	-	-	-	N884	...	651	651	651	N9080	...	33	33	33
N835	...	42	42	42	N885	...	1	1	1	N9081	...	17	17	17
N836	...	14	14	14	N886	...	17	17	17	N9082	...	13	13	13
N837	...	1	1	1	N887	...	77	77	77	N9083	...	6	6	6
N838	...	-	-	-	N890	...	252	252	252	N9084	...	7	7	7
N839	...	453	453	453	N891	...	316	316	316	N9085	...	8	8	8
N840	...	2	2	2	N892	...	20	20	20	N9086	...	42	42	42
N841	...	-	-	-	N893	...	5	5	5	N9089	...	198	198	198
N842	...	-	-	-	N894	...	34	34	34	N9090	...	39	39	39
N843	...	11	11	11	N895	...	-	-	-	N9091	...	35	35	35
N844	...	6	6	6	N896	...	10	10	10	N9092	...	10	10	10
N845	...	9	9	9	N897	...	173	173	173	N9093	...	721	721	721
N846	...	3	3	3	N900	...	548	548	548	N9094	...	41	41	41
N847	...	30	30	30	N901	...	3881	3881	3881	N9099	...	13	13	13
N848	...	18	18	18	N902	...	772	772	772	N910	...	136	136	136
N850	...	604	604	604	N903	...	110	110	110	N911	...	97	97	97
N851	...	6198	6198	6198	N904	...	656	656	656	N912	...	6	6	6
N852	...	6367	6367	6367	N9050	...	41	41	41	N913	...	34	34	34
N853	...	4006	4006	4006	N9051	...	148	148	148	N914	...	7	7	7
N854	...	27038	27038	27040	N9052	...	48	48	48	N915	...	2	2	2
N860	...	3235	3235	3236	N9053	...	768	768	768	N916	...	33	33	33
N861	...	7490	7490	7490	N9054	...	85	85	85	N917	...	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
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N918	...	9	9	9	N9440	...	29	29	29	N9584	...	3430	3430	3430
N919	...	393	393	393	N9441	...	-	-	-	N9585	...	4	4	4
N920	...	444	444	444	N9442	...	5	5	5	N9586	...	-	-	-
N921	...	52	52	52	N9443	...	19	19	19	N9587	...	148	148	148
N922	...	337	337	337	N9444	...	2	2	2	N9588	...	4369	4369	4369
N923	...	70	70	70	N9450	...	103	103	103	N9590	...	2303	2303	2303
N924	...	919	919	919	N9451	...	1	1	1	N9591	...	2580	2580	2580
N925	...	138	138	138	N9452	...	21	21	21	N9592	...	158	158	158
N926	...	102	102	102	N9453	...	72	72	72	N9593	...	83	83	83
N927	...	17	17	17	N9454	...	2	2	2	N9594	...	7	7	7
N928	...	56	56	56	N9470	...	2	2	2	N9595	...	2	2	2
N929	...	740	740	740	N9471	...	61	61	61	N9596	...	218	218	218
N930	...	2	2	2	N9472	...	4	4	4	N9597	...	301	301	301
N931	...	-	-	-	N9473	...	6	6	6	N9598	...	13376	13376	13377
N932	...	3	3	3	N9474	...	-	-	-	N9599	...	8526	8526	8526
N933	...	11052	11052	11052	N9478	...	8	8	8	N9600	...	1	1	1
N934	...	909	909	909	N9479	...	28	28	28	N9601	...	-	-	-
N935	...	38	38	38	N9480	...	15	15	15	N9602	...	-	-	-
N936	...	28	28	28	N9481	...	44	44	44	N9603	...	-	-	-
N937	...	-	-	-	N9482	...	88	88	88	N9604	...	2	2	2
N938	...	9	9	9	N9483	...	105	105	105	N9605	...	1	1	1
N939	...	2	2	2	N9484	...	107	107	107	N9606	...	3	3	3
N9400	...	-	-	-	N9485	...	149	149	149	N9607	...	62	62	62
N9401	...	-	-	-	N9486	...	121	121	121	N9608	...	21	21	21
N9402	...	-	-	-	N9487	...	125	125	125	N9609	...	3	3	3
N9403	...	-	-	-	N9488	...	178	178	178	N9610	...	2	2	2
N9404	...	-	-	-	N9489	...	1252	1252	1252	N9611	...	-	-	-
N9405	...	-	-	-	N9490	...	2407	2407	2407	N9612	...	-	-	-
N9409	...	-	-	-	N9491	...	7	7	7	N9613	...	-	-	-
N9410	...	72	72	72	N9492	...	62	62	62	N9614	...	16	16	16
N9411	...	2	2	2	N9493	...	293	293	293	N9615	...	1	1	1
N9412	...	33	33	33	N9494	...	29	29	29	N9616	...	-	-	-
N9413	...	45	45	45	N950	...	3	3	3	N9617	...	-	-	-
N9414	...	2	2	2	N951	...	5	5	5	N9618	...	11	11	11
N9420	...	550	550	550	N952	...	2231	2231	2231	N9619	...	4	4	4
N9421	...	7	7	7	N953	...	2	2	2	N9620	...	8	8	8
N9422	...	46	46	46	N954	...	8	8	8	N9621	...	-	-	-
N9423	...	192	192	192	N955	...	-	-	-	N9622	...	-	-	-
N9424	...	25	25	25	N956	...	3	3	3	N9623	...	61	61	61
N9430	...	71	71	71	N957	...	28	28	28	N9624	...	1	1	1
N9431	...	1	1	1	N9580	...	50	50	50	N9625	...	-	-	-
N9432	...	24	24	24	N9581	...	174	174	174	N9626	...	-	-	-
N9433	...	43	43	43	N9582	...	-	-	-	N9627	...	-	-	-
N9434	...	1	1	1	N9583	...	33	33	33	N9628	...	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 2

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N9629	...	-	-	-	N9683	...	16	16	16	N9740	...	-	-	-
N9630	...	68	68	68	N9684	...	1	1	1	N9741	...	48	48	48
N9631	...	35	35	35	N9685	...	274	274	274	N9742	...	1	1	1
N9632	...	1	1	1	N9686	...	-	-	-	N9743	...	2	2	2
N9633	...	1	1	1	N9687	...	-	-	-	N9744	...	-	-	-
N9634	...	-	-	-	N9689	...	45	45	45	N9745	...	2	2	2
N9635	...	1	1	1	N9690	...	1122	1122	1122	N9746	...	9	9	9
N9638	...	-	-	-	N9691	...	160	160	160	N9747	...	7	7	7
N9639	...	-	-	-	N9692	...	11	11	11	N9750	...	-	-	-
N9640	...	7	7	7	N9693	...	13	13	13	N9751	...	-	-	-
N9641	...	-	-	-	N9694	...	525	525	525	N9752	...	7	7	7
N9642	...	43	43	43	N9695	...	101	101	101	N9753	...	2	2	2
N9643	...	2	2	2	N9696	...	17	17	17	N9754	...	-	-	-
N9644	...	-	-	-	N9697	...	60	60	60	N9755	...	13	13	13
N9645	...	-	-	-	N9698	...	6	6	6	N9756	...	9	9	9
N9646	...	-	-	-	N9699	...	20	20	20	N9757	...	11	11	11
N9647	...	-	-	-	N9700	...	2	2	2	N9758	...	28	28	28
N9648	...	-	-	-	N9701	...	-	-	-	N9760	...	7	7	7
N9649	...	-	-	-	N9708	...	1	1	1	N9761	...	-	-	-
N9650	...	951	951	951	N9709	...	-	-	-	N9762	...	2	2	2
N9651	...	280	280	280	N9710	...	2	2	2	N9763	...	2	2	2
N9654	...	198	198	198	N9711	...	16	16	16	N9764	...	4	4	4
N9655	...	1	1	1	N9712	...	11	11	11	N9765	...	-	-	-
N9656	...	3	3	3	N9713	...	1	1	1	N9766	...	5	5	5
N9657	...	434	434	434	N9719	...	-	-	-	N9767	...	5	5	5
N9658	...	592	592	592	N9720	...	84	84	84	N9768	...	1	1	1
N9659	...	4	4	4	N9721	...	653	653	653	N9769	...	-	-	-
N9660	...	-	-	-	N9722	...	-	-	-	N9770	...	17	17	17
N9661	...	49	49	49	N9723	...	-	-	-	N9771	...	-	-	-
N9662	...	-	-	-	N9724	...	1	1	1	N9772	...	2	2	2
N9663	...	10	10	10	N9725	...	2	2	2	N9773	...	2	2	2
N9664	...	1	1	1	N9726	...	2	2	2	N9774	...	2	2	2
N9670	...	808	808	810	N9727	...	-	-	-	N9778	...	106	106	106
N9671	...	49	49	49	N9728	...	-	-	-	N9779	...	2811	2811	2816
N9672	...	-	-	-	N9729	...	1	1	1	N9780	...	-	-	-
N9673	...	2	2	2	N9730	...	2	2	2	N9781	...	-	-	-
N9674	...	66	66	66	N9731	...	1	1	1	N9782	...	-	-	-
N9675	...	87	87	87	N9732	...	-	-	-	N9783	...	-	-	-
N9676	...	2	2	2	N9733	...	-	-	-	N9784	...	-	-	-
N9678	...	138	138	138	N9734	...	2	2	2	N9785	...	-	-	-
N9679	...	26	26	26	N9735	...	2	2	2	N9786	...	-	-	-
N9680	...	16	16	16	N9736	...	1	1	1	N9788	...	2	2	2
N9681	...	6	6	6	N9738	...	-	-	-	N9789	...	-	-	-
N9682	...	28	28	28	N9739	...	-	-	-	N9790	...	-	-	-

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 2

NUMBER OF RESIDENT DEATHS TABULATED BY MENTION OF AN UNDERLYING CAUSE, RECORD AXIS MULTIPLE CAUSE
OR ENTITY AXIS MULTIPLE CAUSE OF DEATH BY ICD-9 CATEGORY: UNITED STATES, 1981

ICD-9 CODE	RECORD COUNT BY CODE FIELD			ICD-9 CODE	UC	RECORD COUNT BY CODE FIELD			ICD-9 CODE	UC	RECORD COUNT BY CODE FIELD			
	RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS			RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS			RECORD TOTAL MENTION	AXIS SECOND- ARY	ENTITY AXIS	
N9791	...	1	1	1	N9875	...	-	-	-	N9934	...	-	-	-
N9792	...	-	-	-	N9876	...	4	4	4	N9938	...	-	-	-
N9793	...	-	-	-	N9877	...	-	-	-	N9939	...	-	-	-
N9794	...	-	-	-	N9878	...	3597	3597	3597	N9940	...	28	28	28
N9795	...	-	-	-	N9879	...	361	361	361	N9941	...	8292	8292	8292
N9796	...	-	-	-	N9880	...	2	2	2	N9942	...	315	315	315
N9797	...	-	-	-	N9881	...	4	4	4	N9943	...	4	4	4
N9799	...	17	17	17	N9882	...	-	-	-	N9944	...	4	4	4
N9800	...	391	391	391	N9888	...	1	1	1	N9945	...	39	39	39
N9801	...	30	30	30	N9889	...	-	-	-	N9946	...	-	-	-
N9802	...	31	31	31	N9890	...	73	73	73	N9947	...	6365	6365	6365
N9803	...	-	-	-	N9891	...	15	15	15	N9948	...	1040	1040	1040
N9808	...	4	4	4	N9892	...	4	4	4	N9949	...	427	427	427
N9809	...	389	389	389	N9893	...	31	31	31	N9950	...	123	123	123
N981	...	31	31	31	N9894	...	68	68	68	N9951	...	22	22	22
N9820	...	11	11	11	N9895	...	55	55	55	N9952	...	356	356	356
N9821	...	-	-	-	N9896	...	3	3	3	N9953	...	70	70	70
N9822	...	-	-	-	N9897	...	-	-	-	N9954	...	2	2	2
N9823	...	22	22	22	N9898	...	52	52	52	N9955	...	104	104	104
N9824	...	-	-	-	N9899	...	164	164	164	N9958	...	18	18	18
N9828	...	55	55	55	N990	...	63	63	63	N9960	...	380	380	380
N9830	...	4	4	4	N9910	...	-	-	-	N9961	...	54	54	54
N9831	...	26	26	26	N9911	...	1	1	1	N9962	...	27	27	27
N9832	...	39	39	39	N9912	...	8	8	8	N9963	...	8	8	8
N9839	...	21	21	21	N9913	...	25	25	25	N9964	...	22	22	22
N9840	...	1	1	1	N9914	...	2	2	2	N9965	...	133	133	133
N9841	...	-	-	-	N9915	...	-	-	-	N9966	...	1098	1098	1098
N9848	...	-	-	-	N9916	...	817	817	817	N9967	...	4713	4713	4713
N9849	...	12	12	12	N9918	...	3	3	3	N9968	...	189	189	189
N9850	...	2	2	2	N9919	...	499	499	499	N9969	...	-	-	-
N9851	...	23	23	23	N9920	...	259	259	259	N9970	...	870	870	870
N9852	...	-	-	-	N9921	...	3	3	3	N9971	...	4321	4321	4321
N9853	...	1	1	1	N9922	...	-	-	-	N9972	...	572	572	572
N9854	...	1	1	1	N9923	...	-	-	-	N9973	...	5043	5043	5043
N9855	...	1	1	1	N9924	...	-	-	-	N9974	...	1339	1339	1339
N9856	...	-	-	-	N9925	...	68	68	68	N9975	...	906	906	906
N9858	...	32	32	32	N9926	...	1	1	1	N9976	...	264	264	264
N9859	...	-	-	-	N9927	...	-	-	-	N9979	...	293	293	293
N986	...	5733	5733	5733	N9928	...	4	4	4	N9980	...	584	584	584
N9870	...	30	30	30	N9929	...	115	115	115	N9981	...	1078	1078	1078
N9871	...	78	78	78	N9930	...	-	-	-	N9982	...	218	218	218
N9872	...	3	3	3	N9931	...	-	-	-	N9983	...	256	256	256
N9873	...	3	3	3	N9932	...	2	2	2	N9984	...	4	4	4
N9874	...	12	12	12	N9933	...	2	2	2	N9985	...	2051	2051	2051

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY
RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & DV	
004, 006.....	41	2	6	-	3	1	3	4	3	12	5	2	-
007-009.....	570	190	29	8	6	2	4	28	40	63	111	89	-
010-018.....	4,104	3	7	5	23	104	197	434	806	1,053	998	472	2
010-012.....	3,484	2	2	2	13	67	156	353	697	915	868	407	2
013-018.....	681	2	5	5	10	41	42	92	118	154	143	69	-
033.....	6	6	-	-	-	-	-	-	-	-	-	-	-
034-035.....	30	1	1	-	-	-	3	-	4	7	11	3	-
036.....	472	131	92	30	52	27	16	35	28	29	21	11	-
038.....	61,854	709	366	251	669	1,187	1,772	4,042	9,373	14,868	17,301	11,297	19
045.....	-	-	-	-	-	-	-	-	-	-	-	-	-
055.....	7	-	-	-	3	1	1	2	-	-	-	-	-
070.....	1,121	17	9	17	90	124	101	167	198	212	142	44	-
090-097.....	472	8	-	-	-	7	2	28	42	136	189	60	-
REM. 001 - 139....	9,768	251	138	195	269	441	484	824	1,631	2,299	1,982	1,254	-
140-208.....	478,390	116	701	1,445	2,526	5,367	12,856	42,075	101,952	144,755	116,878	49,664	55
140-149.....	10,241	2	-	9	22	68	260	1,281	2,893	3,205	1,724	777	-
150-159.....	125,811	10	28	19	154	676	2,135	8,336	23,727	38,488	35,670	16,559	9
160-165.....	122,012	7	1	15	52	301	2,612	13,330	34,318	43,032	23,007	5,315	22

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY
RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
174-175.....	43,333	2	2	2	16	685	2,384	5,987	9,968	11,106	8,598	4,581	2
179-187.....	59,414	4	6	16	200	645	1,160	3,294	8,774	16,689	19,108	9,513	5
188-189.....	22,315	5	35	48	36	99	335	1,279	3,676	6,678	6,726	3,395	3
170-173, 190-199	197,129	67	391	648	1,139	2,533	5,865	18,830	43,830	59,982	45,868	17,959	17
204-208.....	20,542	24	252	617	689	697	753	1,281	2,995	5,175	5,480	2,572	7
200-203.....	25,931	4	26	146	469	722	915	2,020	5,054	7,563	6,789	2,216	7
210-239.....	11,519	89	60	95	172	235	354	733	1,653	3,029	3,330	1,769	-
250.....	135,937	7	15	53	230	910	2,045	6,979	21,926	40,875	42,661	20,223	13
260-269.....	23,768	117	50	49	88	156	369	1,103	2,945	5,224	7,190	6,471	6
280-285.....	27,629	57	119	162	239	353	491	1,178	2,905	5,692	8,670	7,755	8
320-322.....	3,093	622	240	78	96	129	152	278	472	488	381	155	2
390-448.....	1,293,214	4,358	2,107	2,181	5,293	9,537	21,489	65,525	171,390	312,388	394,731	303,964	251
390-398, 402, 404-429.....	1,101,363	4,054	1,958	1,930	4,529	8,070	18,827	59,075	154,343	272,750	329,615	245,988	224
390-398.....	12,231	15	2	30	63	221	422	1,045	2,474	3,917	2,943	1,099	-
402.....	42,262	-	-	3	33	197	805	2,695	6,884	11,357	12,693	7,585	10
404.....	5,014	-	-	-	2	32	46	160	480	1,129	1,778	1,386	1
410-414.....	654,317	65	22	73	220	1,555	8,153	31,822	90,043	166,906	204,443	150,899	116

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY
RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
410.....	317,659	47	13	36	154	999	5,383	20,899	55,851	94,312	92,952	46,961	52
411.....	11,833	3	1	-	14	77	350	1,016	2,356	3,190	3,068	1,756	2
413.....	4,702	-	-	-	-	7	53	219	729	1,322	1,622	750	-
412, 414....	469,879	24	11	48	78	804	4,648	18,635	56,092	111,350	152,380	125,718	91
424.....	17,725	32	10	25	82	185	229	731	2,100	4,612	5,887	3,831	1
415-423, 425-429.....	754,757	3,992	1,948	1,885	4,330	6,861	13,370	39,041	101,840	181,062	225,709	174,556	163
401, 403.....	83,249	21	5	12	75	369	1,454	4,966	13,594	23,522	25,202	14,012	17
430-438.....	272,393	390	164	304	823	1,645	3,123	8,257	23,046	56,506	96,740	81,358	37
431-432.....	28,918	233	53	170	383	691	1,337	2,788	4,932	6,983	7,447	3,898	3
434.0, 434.9..	45,975	70	49	36	139	225	306	1,085	3,541	9,426	16,820	14,277	1
434.1.....	3,027	-	2	6	10	26	35	136	388	823	1,023	578	-
430, 433, 435-438.....	211,699	99	68	110	356	863	1,734	4,809	15,521	42,426	77,646	68,034	33
440.....	146,640	2	5	13	19	95	547	2,402	9,483	26,580	50,666	56,804	24
441-448.....	37,347	33	15	23	142	283	420	1,307	4,812	11,185	11,885	7,240	2
466.....	2,000	124	39	16	14	20	42	73	194	413	561	504	-
480-487.....	162,237	1,465	642	528	1,009	1,743	2,624	6,179	16,205	31,890	50,727	49,181	44
480-486.....	157,798	1,444	628	518	990	1,706	2,593	6,097	15,945	31,258	49,308	47,268	43

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY
RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
487.....	4,440	21	14	10	19	37	31	82	260	633	1,419	1,913	1
490-496.....	136,991	103	71	166	256	327	858	4,934	20,958	47,466	44,428	17,406	18
490-491.....	9,245	72	36	34	50	50	97	379	1,344	2,641	2,735	1,807	-
492.....	32,468	12	5	6	16	41	193	1,220	5,255	11,644	10,337	3,734	5
493.....	7,365	6	23	94	144	199	274	617	1,362	2,047	1,782	815	2
494-496.....	89,275	15	8	41	61	45	317	2,799	13,266	31,563	29,943	11,206	11
531-533.....	17,077	27	8	17	72	142	318	899	2,490	4,379	5,322	3,397	6
540-543.....	1,110	7	6	24	34	31	42	71	162	301	278	154	-
550-553, 560.....	18,855	317	51	50	77	123	292	815	2,010	4,177	5,879	5,056	8
571.....	43,379	86	43	34	176	1,712	4,149	8,503	12,479	10,773	4,446	963	15
574-575.....	8,797	6	-	6	18	35	83	313	819	1,968	3,116	2,431	2
580-589.....	90,968	1,273	125	181	486	1,239	1,969	4,433	11,613	22,656	27,865	19,104	24
580-581.....	1,105	14	8	7	17	30	36	67	133	297	308	188	-
582-583, 587.....	5,179	15	3	8	46	91	136	244	573	1,172	1,703	1,186	2
584-586, 588-589	86,709	1,250	115	174	439	1,156	1,845	4,225	11,138	21,657	26,540	18,148	22
590.....	5,976	5	5	6	34	68	90	226	521	1,107	2,160	1,751	3
600.....	3,355	-	-	2	-	-	2	19	140	616	1,346	1,229	1
630-676.....	323	-	-	1	133	141	47	1	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY
RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
630-638.....	44	-	-	-	16	22	6	-	-	-	-	-	-
640-676.....	283	-	-	1	119	119	43	1	-	-	-	-	-
740-759.....	17,672	10,251	1,263	679	800	685	520	669	903	894	691	310	7
760-779.....	28,101	27,849	141	43	18	14	6	7	6	2	1	3	11
767-769.....	9,788	9,682	43	26	11	8	4	6	5	2	1	-	-
760-766, 770-779	27,180	27,016	109	23	7	6	3	1	1	-	-	3	11
780-799.....	356,575	9,879	1,810	1,793	4,599	6,788	9,181	21,706	51,908	85,168	93,310	70,318	115
RESIDUAL.....	465,868	4,892	2,397	2,474	6,108	9,799	14,518	30,775	65,468	104,549	127,868	96,933	87
E800-E949.....	157,264	1,606	3,551	5,189	24,344	18,803	11,060	11,929	16,635	21,477	23,554	18,994	122
E810-E825.....	52,237	222	1,048	2,521	17,490	11,196	5,475	4,127	3,945	3,200	2,310	651	52
E800-E807, E826-E949.....	105,490	1,384	2,512	2,695	6,991	7,703	5,641	7,842	12,721	18,313	21,263	18,355	70
E950-E959.....	27,670	-	-	157	5,156	6,268	4,255	3,634	3,632	2,590	1,531	428	19
E960-E978.....	23,720	198	368	411	6,116	7,259	3,743	2,586	1,614	767	465	141	52
E980-E999.....	3,819	89	81	69	668	862	543	448	447	326	165	102	19
N800-N999.....	203,603	1,826	3,907	5,697	35,687	32,513	19,106	17,826	20,898	23,236	23,984	18,717	206
N800-N848.....	43,763	160	471	1,006	6,430	4,691	2,502	2,183	2,772	4,203	8,538	10,782	25
N850-N854.....	38,126	359	927	1,721	10,426	7,357	3,928	3,374	3,379	2,827	2,522	1,258	48

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 3

NUMBER OF RESIDENT DEATHS TABULATED BY
RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
N860-N869.....	28,988	78	385	876	7,917	6,798	3,687	2,928	2,697	1,962	1,207	425	28
N870-N897.....	38,953	19	151	622	9,538	10,600	5,812	4,470	3,630	2,337	1,313	415	46
N900-N904.....	5,732	8	30	113	1,572	1,444	775	628	491	361	226	81	3
N905-N909.....	3,119	12	30	37	97	157	155	214	408	542	703	764	-
N910-N929.....	2,969	24	99	89	612	512	334	294	289	268	241	207	-
N930-N939.....	11,924	346	288	240	565	657	673	1,019	1,682	2,383	2,437	1,629	5
N940-N949.....	5,467	101	459	275	717	742	453	563	584	624	610	335	4
N950-N957.....	2,276	7	31	83	553	419	247	216	250	228	190	52	-
N958-N959.....	31,603	147	475	1,056	7,617	6,208	3,411	2,889	2,762	2,486	2,607	1,904	41
N960-N995.....	35,253	491	1,594	1,696	6,357	7,265	4,334	3,707	3,676	2,888	2,133	1,046	66
N996-N999.....	24,319	439	204	190	262	484	757	1,802	4,335	7,099	5,768	2,977	2

- QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY
UNDERLYING CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST)

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
ALL CAUSES.....	1,978,032	43,476	8,106	9,954	44,972	51,350	58,130	128,908	289,880	464,000	515,648	363,006	602
004, 006.....	30	2	6	-	1	1	2	4	2	7	4	1	-
007-009.....	379	142	27	6	5	2	3	18	23	33	67	53	-
010-018.....	1,861	1	5	4	13	68	113	215	359	430	451	202	-
010-012.....	1,512	1	-	-	8	44	92	168	304	364	371	160	-
013-018.....	349	-	5	4	5	24	21	47	55	66	80	42	-
033.....	4	4	-	-	-	-	-	-	-	-	-	-	-
034-035.....	13	-	1	-	-	-	3	-	1	-	7	1	-
036.....	445	123	92	29	48	27	16	35	26	22	17	10	-
038.....	10,394	313	104	29	85	208	248	552	1,406	2,256	2,981	2,208	4
045.....	-	-	-	-	-	-	-	-	-	-	-	-	-
055.....	4	-	-	-	2	-	-	2	-	-	-	-	-
070.....	830	11	8	14	81	105	74	133	139	137	98	30	-
090-097.....	132	6	-	-	-	6	-	12	15	40	41	12	-
REM. 001 - 139....	4,364	167	100	116	164	272	261	452	728	919	756	429	-
140-208.....	422,173	103	673	1,372	2,396	5,110	12,367	40,199	95,159	129,680	97,959	37,108	47
140-149.....	8,456	2	-	9	19	64	233	1,121	2,470	2,640	1,338	560	-
150-159.....	111,336	9	27	19	154	644	2,053	7,940	22,194	34,704	30,580	13,005	7

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY
UNDERLYING CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
160-165.....	111,227	7	1	13	48	287	2,516	12,741	32,054	38,976	20,143	4,421	20
174-175.....	36,832	2	2	2	16	672	2,306	5,708	9,139	9,544	6,543	2,896	2
179-187.....	46,762	4	6	14	188	609	1,109	3,078	7,845	13,781	14,037	6,087	4
188-189.....	17,964	5	34	45	33	94	313	1,165	3,246	5,454	5,192	2,381	2
170-173, 190-199	51,831	53	343	566	878	1,468	2,337	5,498	11,311	14,290	10,716	4,369	2
204-208.....	16,315	17	235	569	628	645	694	1,151	2,532	4,073	4,052	1,714	5
200-203.....	21,450	4	25	135	432	627	806	1,797	4,368	6,218	5,358	1,675	5
210-239.....	6,210	59	47	88	133	164	249	475	989	1,612	1,623	771	-
250.....	34,893	5	11	33	152	556	904	2,188	5,577	9,871	10,364	5,225	7
260-269.....	2,342	28	9	3	4	15	36	56	161	355	679	993	3
280-285.....	3,243	28	48	68	117	112	116	142	272	623	123	794	-
320-322.....	1,451	415	183	50	48	71	68	111	155	141	140	67	2
390-448.....	972,363	951	386	439	1,512	4,451	14,036	46,668	124,123	230,422	303,471	245,720	184
390-398, 402, 404-429.....	753,334	792	327	331	1,062	3,221	11,379	39,869	105,560	186,376	228,379	175,888	150
390-398.....	7,425	6	1	22	48	166	308	684	1,522	2,418	1,702	548	-
402.....	20,496	-	-	3	20	130	475	1,493	3,409	5,115	5,894	3,951	6
404.....	3,410	-	-	-	2	27	36	93	268	702	1,212	1,069	1

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY
UNDERLYING CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
410-414.....	555,195	19	13	45	142	1,255	7,407	28,784	78,908	141,598	170,329	126,592	103
410.....	292,876	11	7	21	100	816	4,972	19,366	51,266	86,446	85,776	44,046	49
411.....	4,473	1	-	-	4	34	138	401	960	1,217	1,084	634	-
413.....	588	-	-	-	-	-	12	36	61	146	207	126	-
412, 414....	257,258	7	6	24	38	405	2,285	8,981	26,621	53,789	83,262	81,786	54
424.....	7,434	16	5	19	42	91	119	374	937	1,939	2,413	1,478	1
415-423, 425-429.....	159,374	751	308	242	808	1,552	3,034	8,441	20,516	34,604	46,829	42,250	39
401, 403.....	7,696	4	2	-	10	57	146	382	905	1,675	2,512	2,003	-
430-438.....	163,571	140	44	95	358	998	2,215	5,525	13,850	32,658	57,452	50,217	19
431-432.....	19,861	91	13	51	129	317	785	1,862	3,345	4,843	5,456	2,966	3
434.0, 434.9..	30,984	19	2	3	18	57	120	539	1,988	5,989	11,648	10,600	1
434.1.....	806	-	-	-	1	8	4	32	109	215	272	165	-
430, 433, 435-438.....	111,920	30	29	41	210	616	1,306	3,092	8,408	21,611	40,076	36,486	15
440.....	27,851	-	4	-	2	5	57	207	981	3,333	8,969	14,278	15
441-448.....	19,911	15	9	13	80	170	239	685	2,827	6,380	6,159	3,334	-
466.....	576	94	24	11	4	8	14	20	49	91	127	134	-
480-487.....	53,982	837	251	158	311	604	849	1,650	4,044	8,366	16,788	20,109	15

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY
UNDERLYING CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
480-486.....	50,949	824	243	149	295	569	830	1,606	3,893	7,968	15,851	18,706	15
487.....	3,033	13	8	9	16	35	19	44	151	398	937	1,403	-
490-496.....	58,811	65	35	103	145	214	443	2,231	9,395	21,159	18,523	6,491	7
490-491.....	3,762	46	20	16	14	13	27	117	578	1,179	1,115	637	-
492.....	13,366	4	2	2	7	16	91	556	2,327	5,181	3,987	1,192	1
493.....	3,026	5	11	74	106	158	167	300	573	828	577	227	-
494-496.....	38,657	10	2	11	18	27	158	1,258	5,917	13,971	12,844	4,435	6
531-533.....	6,380	17	4	5	25	58	137	330	870	1,519	1,996	1,417	2
540-543.....	567	4	5	20	23	18	28	39	73	157	134	66	-
550-553, 560.....	5,282	131	33	32	36	39	73	189	411	1,041	1,685	1,612	-
571.....	29,141	31	11	14	110	1,219	3,190	6,317	8,625	6,672	2,448	494	10
574-575.....	3,109	1	-	4	11	23	33	97	310	690	1,055	884	1
580-589.....	17,469	280	20	34	120	240	354	765	1,948	4,024	5,543	4,136	5
580-581.....	324	7	5	4	4	7	12	12	32	79	99	63	-
582-583, 587....	2,110	6	1	6	34	50	60	110	226	471	713	432	1
584-586, 588-589	15,035	267	14	24	82	183	282	643	1,690	3,474	4,731	3,641	4
590.....	2,327	2	-	1	7	23	31	84	180	386	912	701	-
600.....	705	-	-	-	-	-	-	2	26	128	291	257	1

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 4

NUMBER OF RESIDENT DEATHS TABULATED BY
UNDERLYING CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST) - CONTINUED

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
630-676.....	285	-	-	1	115	126	42	1	-	-	-	-	-
630-638.....	37	-	-	-	12	20	5	-	-	-	-	-	-
640-676.....	248	-	-	1	103	106	37	1	-	-	-	-	-
740-759.....	13,425	8,867	1,007	517	589	468	345	344	424	433	309	115	7
760-779.....	21,723	21,594	84	18	8	1	-	-	5	-	-	3	10
767-769.....	6,652	6,610	22	10	5	1	-	-	4	-	-	-	-
760-766, 770-779	15,071	14,984	62	8	3	-	-	-	1	-	-	3	10
780-799.....	29,721	5,992	274	165	897	1,554	1,263	2,060	3,521	4,975	4,975	3,988	57
RESIDUAL.....	118,061	1,959	1,077	1,186	2,392	3,793	4,912	8,460	16,360	25,533	30,472	21,879	38
E800-E949.....	100,696	973	3,144	4,804	23,521	17,500	9,423	8,458	8,892	8,702	8,699	6,466	114
EB10-E825.....	51,331	219	1,045	2,507	17,399	11,120	5,416	4,009	3,809	3,018	2,142	595	52
E800-E807, E826-E949.....	49,365	754	2,099	2,297	6,122	6,380	4,007	4,449	5,083	5,684	6,557	5,871	62
E950-E959.....	27,547	-	-	157	5,144	6,245	4,239	3,613	3,614	2,567	1,524	425	19
E960-E978.....	23,543	189	360	408	6,100	7,237	3,733	2,569	1,583	735	447	130	52
E980-E999.....	3,551	82	77	65	653	812	525	417	415	274	139	75	17

- QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 5

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
004, 006.....	11	-	-	-	2	-	1	-	1	5	1	1	-
007-009.....	192	48	2	2	1	-	1	10	17	30	44	37	-
010-018.....	2,243	2	2	1	10	36	84	219	447	623	547	270	2
010-012.....	1,972	1	2	2	5	23	64	185	393	551	497	247	2
013-018.....	332	2	-	1	5	17	21	45	63	88	63	27	-
033.....	2	2	-	-	-	-	-	-	-	-	-	-	-
034-035.....	17	1	-	-	-	-	-	-	3	7	4	2	-
036.....	28	8	-	1	5	-	-	-	2	7	4	1	-
038.....	51,461	396	262	222	584	979	1,524	3,491	7,967	12,612	14,320	9,089	15
045.....	-	-	-	-	-	-	-	-	-	-	-	-	-
055.....	3	-	-	-	1	1	1	-	-	-	-	-	-
070.....	291	6	1	3	9	19	27	34	59	75	44	14	-
090-097.....	340	2	-	-	-	1	2	16	27	96	148	48	-
REM. 001 - 139.....	5,406	84	38	79	105	170	223	372	904	1,380	1,226	825	-
140-208.....	56,237	14	28	74	131	257	490	1,876	6,796	15,080	18,926	12,557	8
140-149.....	1,785	-	-	-	3	4	27	160	423	565	386	217	-
150-159.....	14,479	1	1	-	-	32	82	396	1,534	3,784	5,093	3,554	2
160-165.....	10,791	-	-	2	4	14	96	590	2,265	4,059	2,865	894	2

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 5

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
174-175.....	6,501	-	-	-	-	13	78	279	829	1,562	2,055	1,685	-
179-187.....	12,652	-	-	2	12	36	51	216	929	2,908	5,071	3,426	1
188-189.....	4,352	-	1	3	3	5	22	114	431	1,224	1,534	1,014	1
170-173, 190-199..	145,309	14	48	83	261	1,065	3,529	13,332	32,520	45,695	35,156	13,591	15
204-208.....	4,229	8	17	48	62	52	59	130	463	1,102	1,428	858	2
200-203.....	4,482	-	2	11	37	95	109	223	686	1,345	1,431	541	2
210-239.....	5,311	30	13	7	39	71	106	258	664	1,418	1,707	998	-
250.....	101,046	2	4	20	79	354	1,142	4,791	16,349	31,004	32,297	14,998	6
260-269.....	21,440	89	41	46	84	141	334	1,047	2,788	4,871	6,514	5,482	3
280-285.....	24,386	29	71	94	122	241	375	1,036	2,633	5,069	7,747	6,961	8
320-322.....	1,642	207	57	28	48	58	84	167	317	347	241	88	-
390-448.....	320,962	3,407	1,721	1,742	3,786	5,095	7,468	18,875	47,279	81,989	91,274	58,259	67
390-398, 402, 404-429.....	348,100	3,262	1,631	1,599	3,472	4,858	7,465	19,223	48,791	86,382	101,241	70,102	74
390-398.....	4,809	9	1	8	15	55	114	361	953	1,499	1,241	553	-
402.....	21,898	-	-	-	13	67	332	1,209	3,494	6,263	6,844	3,672	4
404.....	1,874	-	-	-	-	6	12	74	231	480	666	405	-
410-414.....	99,137	46	9	28	79	300	749	3,041	11,137	25,311	34,116	24,308	13

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 5

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
410.....	24,790	36	6	15	54	183	411	1,533	4,587	7,868	7,178	2,916	3
411.....	7,361	2	1	-	10	43	212	615	1,397	1,973	1,984	1,122	2
413.....	4,114	-	-	-	-	7	41	183	668	1,176	1,415	624	-
412, 414.....	212,633	17	5	24	41	399	2,366	9,657	29,471	57,564	69,119	43,933	37
424.....	10,292	16	5	6	40	94	110	357	1,164	2,673	3,474	2,353	-
415-423, 425-429.....	595,451	3,241	1,640	1,643	3,527	5,318	10,351	30,616	81,331	146,466	178,884	132,310	124
401, 403.....	75,609	17	3	12	65	312	1,308	4,584	12,689	21,860	22,716	12,026	17
430-438.....	108,842	250	120	209	465	647	909	2,733	9,198	23,849	39,295	31,149	18
431-432.....	9,081	142	40	119	254	374	554	930	1,589	2,152	1,994	933	-
434.0, 434.9.....	14,992	51	47	33	121	168	186	546	1,554	3,437	5,172	3,677	-
434.1.....	2,221	-	2	6	9	18	31	104	279	608	751	413	-
430, 433, 435-438.....	99,816	69	39	69	148	247	432	1,719	7,117	20,823	37,579	31,556	18
440.....	118,791	2	1	13	17	90	490	2,195	8,502	23,248	41,698	42,526	9
441-448.....	17,619	18	6	10	62	113	182	627	2,014	4,855	5,789	3,941	2
466.....	1,424	30	15	5	10	12	28	53	145	322	434	370	-
480-487.....	108,264	631	391	370	698	1,139	1,776	4,530	12,162	23,524	33,439	29,075	29
480-486.....	106,858	623	385	369	695	1,137	1,764	4,492	12,053	23,290	33,457	28,565	28

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 5

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
487.....	1,407	8	6	1	3	2	12	38	109	235	482	510	1
490-496.....	78,181	38	36	63	111	113	415	2,703	11,563	26,307	25,906	10,915	11
490-491.....	5,483	26	16	18	36	37	70	262	766	1,462	1,620	1,170	-
492.....	19,103	8	3	4	9	25	102	664	2,928	6,463	6,351	2,542	4
493.....	4,366	1	12	20	38	41	107	319	795	1,227	1,215	589	2
494-496.....	50,621	5	6	30	43	18	159	1,543	7,349	17,592	17,100	6,771	5
531-533.....	10,698	10	4	12	47	84	181	569	1,621	2,860	3,326	1,980	4
540-543.....	543	3	1	4	11	13	14	32	89	144	144	88	-
550-553, 560.....	13,573	186	18	18	41	84	219	626	1,599	3,136	4,194	3,444	8
571.....	14,374	55	32	20	67	501	985	2,217	3,900	4,118	2,003	471	5
574-575.....	5,688	5	-	2	7	12	50	216	509	1,278	2,061	1,547	1
580-589.....	73,512	993	105	147	366	999	1,615	3,668	9,670	18,633	22,327	14,970	19
580-581.....	784	7	3	3	13	23	24	55	102	218	211	125	-
582-583, 587.....	3,090	9	2	2	12	41	76	134	352	708	997	756	1
584-586, 588-589..	71,681	983	101	150	357	973	1,563	3,582	9,448	18,188	21,811	14,507	18
590.....	3,687	3	5	5	27	45	62	142	344	723	1,262	1,066	3
600.....	2,651	-	-	2	-	-	2	17	114	488	1,055	973	-
630-676.....	38	-	-	-	18	15	5	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 5

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
630-638.....	7	-	-	-	4	2	1	-	-	-	-	-	-
640-676.....	35	-	-	-	16	13	6	-	-	-	-	-	-
740-759.....	4,253	1,385	256	162	211	217	175	325	479	463	384	196	-
760-779.....	6,378	6,255	57	25	10	13	6	7	1	2	1	-	1
767-769.....	3,136	3,072	21	16	6	7	4	6	1	2	1	-	-
760-766, 770-779..	12,109	12,032	47	15	4	6	3	1	-	-	-	-	1
780-799.....	326,856	3,887	1,536	1,628	3,702	5,234	7,918	19,646	48,387	80,193	88,335	66,332	58
RESIDUAL.....	347,897	2,937	1,321	1,288	3,719	6,027	9,625	22,324	49,120	79,030	97,400	75,057	49
E800-E949.....	56,590	634	407	385	830	1,309	1,640	3,473	7,745	12,776	14,855	12,528	8
E810-E825.....	910	3	3	14	92	76	60	118	138	182	168	56	-
E800-E807, E826-E949.....	56,143	631	413	398	875	1,329	1,636	3,395	7,638	12,630	14,706	12,484	8
E950-E959.....	133	-	-	-	13	24	18	22	22	24	7	3	-
E960-E978.....	182	9	10	3	16	24	10	17	31	32	19	11	-
E980-E999.....	269	7	4	4	15	51	18	31	32	52	26	27	2
N800-N999.....	203,603	1,826	3,907	5,697	35,687	32,513	19,106	17,826	20,898	23,236	23,984	18,717	206
N800-N848.....	43,763	160	471	1,006	6,430	4,691	2,502	2,183	2,772	4,203	8,538	10,782	25
N850-N854.....	38,126	359	927	1,721	10,426	7,357	3,928	3,374	3,379	2,827	2,522	1,258	48

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 5

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
N860-N869.....	28,988	78	385	876	7,917	6,798	3,687	2,928	2,697	1,962	1,207	425	28
N870-N897.....	38,953	19	151	622	9,538	10,600	5,812	4,470	3,630	2,337	1,313	415	46
N900-N904.....	5,732	8	30	113	1,572	1,444	775	628	491	361	226	81	3
N905-N909.....	3,119	12	30	37	97	157	155	214	408	542	703	764	-
N910-N929.....	2,969	24	99	89	612	512	334	294	289	268	241	207	-
N930-N939.....	11,924	346	288	240	565	657	673	1,019	1,682	2,383	2,437	1,629	5
N940-N949.....	5,467	101	459	275	717	742	453	563	584	624	610	335	4
N950-N957.....	2,276	7	31	83	553	419	247	216	250	228	190	52	-
N958-N959.....	31,603	147	475	1,056	7,617	6,208	3,411	2,889	2,762	2,486	2,607	1,904	41
N960-N995.....	35,253	491	1,594	1,696	6,357	7,265	4,334	3,707	3,676	2,888	2,133	1,046	66
N996-N999.....	24,319	439	204	190	262	484	757	1,802	4,335	7,099	5,768	2,977	2

- QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 6

NUMBER OF RESIDENT DEATHS TABULATED BY
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
004, 006.....	41	2	6	-	3	1	3	4	3	12	5	2	-
007-009.....	572	190	29	8	6	2	4	28	40	63	112	90	-
010-018.....	4,104	3	7	5	23	104	197	434	806	1,053	998	472	2
010-012.....	3,510	2	2	2	13	68	156	358	703	923	869	412	2
013-018.....	654	2	5	5	10	41	42	87	110	148	140	64	-
033.....	6	6	-	-	-	-	-	-	-	-	-	-	-
034-035.....	30	1	1	-	-	-	3	-	4	7	11	3	-
036.....	473	131	92	30	53	27	16	35	28	29	21	11	-
038.....	62,092	717	368	254	672	1,202	1,782	4,053	9,400	14,927	17,357	11,341	19
045.....	-	-	-	-	-	-	-	-	-	-	-	-	-
055.....	7	-	-	-	3	1	1	2	-	-	-	-	-
070.....	1,121	17	9	17	90	124	101	167	198	212	142	44	-
090-097.....	472	8	-	-	-	7	2	28	42	136	189	60	-
REM. 001 - 139....	10,247	262	145	197	277	454	503	848	1,689	2,393	2,106	1,373	-
140-208.....	478,411	117	701	1,446	2,527	5,367	12,857	42,077	101,954	144,760	116,885	49,665	55
140-149.....	10,241	2	-	9	22	68	260	1,281	2,893	3,205	1,724	777	-
150-159.....	125,816	10	28	19	154	676	2,135	8,337	23,728	38,488	35,573	16,559	9
160-165.....	122,016	7	1	15	52	301	2,612	13,330	34,318	43,035	23,008	5,315	22

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 6

NUMBER OF RESIDENT DEATHS TABULATED BY
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
174-175.....	43,334	2	2	2	16	685	2,384	5,988	9,968	11,106	8,598	4,581	2
179-187.....	59,415	4	6	16	200	645	1,160	3,294	8,774	16,689	19,109	9,513	5
188-189.....	22,316	5	35	48	36	99	335	1,279	3,677	6,678	6,726	3,395	3
170-173, 190-199	197,565	67	391	649	1,140	2,536	5,877	18,862	43,944	60,085	45,985	18,012	17
204-208.....	20,544	25	252	617	690	697	753	1,281	2,995	5,175	5,480	2,572	7
200-203.....	25,931	4	26	146	469	722	915	2,020	5,054	7,563	6,789	2,216	7
210-239.....	11,735	89	62	95	177	239	365	759	1,711	3,087	3,369	1,782	-
250.....	135,941	7	15	53	232	909	2,046	6,979	21,926	40,875	42,661	20,225	13
260-269.....	24,388	117	50	51	90	164	390	1,160	3,072	5,371	7,353	6,564	6
280-285.....	27,649	65	119	162	239	353	491	1,178	2,906	5,695	8,679	7,754	8
320-322.....	3,110	629	241	78	96	129	152	281	474	488	382	158	2
390-448.....	1,294,129	4,383	2,116	2,181	5,302	9,565	21,511	65,569	171,482	312,551	394,970	304,248	251
390-398, 402, 404-429.....	1,101,850	4,078	1,967	1,930	4,540	8,100	18,853	59,107	154,379	272,791	329,676	246,205	224
390-398.....	12,234	15	2	30	63	221	422	1,045	2,474	3,917	2,943	1,102	-
402.....	41,349	-	-	3	30	202	806	2,692	6,779	11,220	12,429	7,178	10
404.....	2,056	-	-	-	-	3	10	21	130	305	755	832	-
410-414.....	654,334	65	22	73	221	1,555	8,157	31,825	90,044	166,909	204,445	150,902	116

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 6

NUMBER OF RESIDENT DEATHS TABULATED BY
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
410.....	317,663	47	13	36	154	999	5,384	20,899	55,850	94,313	92,953	46,963	52
411.....	11,834	3	1	-	14	77	350	1,016	2,357	3,190	3,068	1,756	2
413.....	4,702	-	-	-	-	7	53	219	729	1,322	1,622	750	-
412, 414....	469,893	24	11	48	79	804	4,651	18,638	56,093	111,352	152,382	125,720	91
424.....	17,728	32	10	25	82	185	229	731	2,099	4,615	5,887	3,832	1
415-423, 425-429.....	759,744	4,016	1,957	1,885	4,345	6,920	13,441	39,241	102,402	182,183	227,260	175,931	163
401, 403.....	89,932	21	5	12	85	403	1,538	5,283	14,469	25,277	27,416	15,404	19
430-438.....	272,233	390	164	304	823	1,645	3,124	8,259	23,037	56,473	96,679	81,298	37
431-432.....	29,571	233	53	173	400	739	1,428	2,917	5,093	7,120	7,504	3,908	3
434.0, 434.9..	46,310	70	49	36	140	225	309	1,103	3,604	9,521	16,912	14,340	1
434.1.....	3,027	-	2	6	10	26	35	136	388	823	1,023	578	-
430, 433, 435-438.....	216,952	99	70	110	353	867	1,773	4,986	16,102	43,799	79,556	69,204	33
440.....	163,840	2	5	13	21	97	555	2,493	10,183	29,411	56,816	64,217	27
441-448.....	40,571	35	15	25	150	303	467	1,447	5,367	12,268	12,833	7,659	2
466.....	2,358	130	44	17	15	23	46	81	246	523	571	562	-
480-487.....	163,352	1,485	647	537	1,017	1,761	2,655	6,232	16,333	32,144	51,071	49,426	44
480-486.....	160,552	1,467	635	528	1,005	1,746	2,629	6,173	16,140	31,729	50,163	48,294	43

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 6

NUMBER OF RESIDENT DEATHS TABULATED BY
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
487.....	4,440	21	14	10	19	37	31	82	260	633	1,419	1,913	1
490-496.....	137,819	106	73	168	257	330	859	4,940	21,065	47,777	44,684	17,542	18
490-491.....	9,326	75	38	36	50	52	97	380	1,350	2,651	2,750	1,847	-
492.....	35,132	12	5	8	22	46	204	1,312	5,729	12,635	11,128	4,026	5
493.....	7,540	6	23	94	145	201	275	626	1,389	2,103	1,842	834	2
494-496.....	96,124	17	8	41	64	49	355	3,014	14,336	34,056	32,173	11,999	12
531-533.....	17,080	27	8	17	72	142	318	899	2,490	4,381	5,322	3,398	6
540-543.....	1,110	7	6	24	34	31	42	71	162	301	278	154	-
550-553, 560.....	18,855	317	51	50	77	123	292	815	2,010	4,177	5,879	5,056	8
571.....	43,332	86	43	34	177	1,708	4,148	8,493	12,462	10,761	4,442	963	15
574-575.....	8,804	6	-	6	18	35	83	313	820	1,968	3,116	2,437	2
580-589.....	103,289	1,279	127	183	506	1,355	2,155	4,905	13,003	25,688	32,074	21,988	26
580-581.....	1,222	12	8	7	17	38	41	84	167	338	319	191	-
582-583, 587....	6,267	15	3	8	49	112	163	297	728	1,497	2,034	1,359	2
584-586, 588-589	98,538	1,258	117	176	459	1,256	2,019	4,656	12,406	24,525	30,662	20,980	24
590.....	6,345	5	5	7	35	71	101	249	552	1,202	2,271	1,844	3
600.....	3,356	-	-	2	-	-	2	19	140	616	1,346	1,230	1
630-676.....	323	-	-	1	133	141	47	1	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 6

NUMBER OF RESIDENT DEATHS TABULATED BY
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
630-638.....	44	-	-	-	16	22	6	-	-	-	-	-	-
640-676.....	283	-	-	1	119	119	43	1	-	-	-	-	-
740-759.....	17,762	10,265	1,264	679	802	696	534	685	915	903	697	315	7
760-779.....	28,140	27,869	152	46	22	15	6	7	6	2	1	3	11
767-769.....	9,902	9,783	49	28	15	9	4	6	5	2	1	-	-
760-766, 770-779	27,196	27,026	114	24	7	6	3	1	1	-	-	3	11
780-799.....	362,021	9,873	1,815	1,801	4,592	6,772	9,228	21,862	52,383	86,387	95,087	72,106	115
RESIDUAL.....	486,567	4,995	2,434	2,529	6,301	10,425	15,392	32,371	68,556	109,419	133,281	100,774	90
E800-E949.....	157,279	1,606	3,549	5,189	24,351	18,809	11,062	11,931	16,635	21,478	23,553	18,994	122
E810-E825.....	52,240	222	1,048	2,521	17,491	11,196	5,476	4,127	3,946	3,200	2,310	651	52
E800-E807, E826-E949.....	105,502	1,384	2,510	2,695	6,997	7,709	5,642	7,844	12,720	18,314	21,262	18,355	70
E950-E959.....	27,680	-	-	157	5,157	6,269	4,257	3,635	3,636	2,591	1,531	428	19
E960-E978.....	23,725	198	370	411	6,116	7,261	3,743	2,586	1,614	767	466	141	52
E980-E999.....	3,820	89	81	69	668	863	543	448	447	326	165	102	19
N800-N999.....	203,615	1,826	3,907	5,697	35,692	32,518	19,106	17,828	20,898	23,236	23,984	18,717	206
N800-N848.....	43,762	160	471	1,006	6,430	4,691	2,502	2,183	2,771	4,203	8,538	10,782	25
N850-N854.....	38,128	359	927	1,721	10,426	7,358	7,929	3,374	3,379	2,827	2,522	1,258	48

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 6

NUMBER OF RESIDENT DEATHS TABULATED BY
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH AND AGE: UNITED STATES, 1981

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

CAUSE OF DEATH	AGE												N. S.
	ALL AGES	<1 YR	01-04 YR	05-14 YR	15-24 YR	25-34 YR	35-44 YR	45-54 YR	55-64 YR	65-74 YR	75-84 YR	85 & OV	
N860-N869.....	28,990	78	385	876	7,918	6,799	3,687	2,928	2,697	1,962	1,207	425	28
N870-N897.....	38,955	19	151	622	9,540	10,600	5,812	4,470	3,630	2,337	1,313	415	46
N900-N904.....	5,732	8	30	113	1,572	1,444	775	628	491	361	226	81	3
N905-N909.....	3,118	12	30	37	96	157	155	214	408	542	703	764	-
N910-N929.....	2,969	24	99	89	612	512	334	294	289	268	241	207	-
N930-N939.....	11,924	346	288	240	565	657	673	1,019	1,682	2,383	2,437	1,629	5
N940-N949.....	5,467	101	459	275	717	742	453	563	584	624	610	335	4
N950-N957.....	2,276	7	31	83	553	419	247	216	250	228	190	52	-
N958-N959.....	31,604	147	475	1,056	7,618	6,208	3,411	2,889	2,762	2,486	2,607	1,904	41
N960-N995.....	35,260	491	1,594	1,696	6,358	7,269	4,334	3,709	3,676	2,888	2,133	1,046	66
N996-N999.....	24,319	439	204	190	262	484	757	1,802	4,335	7,099	5,768	2,977	2

- QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 7

NUMBER OF RESIDENT DEATHS TABULATED BY
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 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
004, 006.....	41	27	14	34	24	10	7	3	4	6	3	3
007-009.....	570	255	315	456	194	262	114	61	53	105	56	49
010-018.....	4,104	2,854	1,250	2,742	1,883	859	1,362	971	391	1,210	867	343
010-012.....	3,484	2,532	952	2,348	1,686	662	1,136	846	290	1,009	753	256
013-018.....	681	361	320	420	211	209	261	150	111	235	138	97
033.....	6	1	5	6	1	5	-	-	-	-	-	-
034-035.....	30	15	15	27	13	14	3	2	1	3	2	1
036.....	472	234	238	386	188	198	86	46	40	80	43	37
038.....	61,854	31,072	30,782	50,859	25,462	25,397	10,995	5,610	5,385	10,327	5,219	5,108
045.....	-	-	-	-	-	-	-	-	-	-	-	-
055.....	7	3	4	7	3	4	-	-	-	-	-	-
070.....	1,121	633	488	890	508	382	231	125	106	181	89	92
090-097.....	472	261	211	276	153	123	196	108	88	185	98	87
REM. 001 - 139....	9,768	5,187	4,581	8,223	4,381	3,842	1,545	806	739	1,358	704	654
140-208.....	478,390	261,225	217,165	423,802	229,567	194,235	54,588	31,658	22,930	50,599	29,348	21,251
140-149.....	10,241	7,027	3,214	8,711	5,863	2,848	1,530	1,164	366	1,196	1,059	337
150-159.....	125,811	66,521	59,290	110,351	57,858	52,493	15,460	8,663	6,797	14,049	7,788	6,261

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 7

NUMBER OF RESIDENT DEATHS TABULATED BY
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 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
160-165.....	122,012	88,640	33,372	108,300	78,144	30,156	13,712	10,496	3,216	12,888	9,894	2,994
174-175.....	43,333	341	42,992	39,211	301	38,910	4,122	40	4,082	3,853	40	3,813
179-187.....	59,414	33,743	25,671	51,180	28,695	22,485	8,234	5,048	3,186	7,813	4,862	2,951
188-189.....	22,315	14,799	7,516	20,509	13,713	6,796	1,806	1,086	720	1,681	991	690
170-173, 190-199	197,129	102,963	94,166	176,085	91,226	84,859	21,044	11,737	9,307	19,547	10,930	8,617
204-208.....	20,542	11,566	8,976	18,797	10,608	8,189	1,745	958	787	1,570	845	725
200-203.....	25,931	13,406	12,525	23,223	11,989	11,234	2,708	1,417	1,291	2,499	1,296	1,203
210-239.....	11,519	5,423	6,096	10,327	4,934	5,393	1,192	489	703	1,099	434	665
250.....	135,937	59,322	76,615	117,726	52,310	65,416	18,211	7,012	11,199	16,890	6,341	10,549
260-269.....	23,768	11,037	12,731	20,854	9,480	11,374	2,914	1,557	1,357	2,715	1,446	1,269
280-285.....	27,629	12,451	15,178	23,540	10,485	13,055	4,089	1,966	2,123	3,853	1,832	2,021
320-322.....	3,093	1,705	1,388	2,305	1,261	1,044	788	444	344	720	402	318
390-448.....	1,293,214	663,150	630,064	1,148,087	588,416	559,671	145,127	74,734	70,393	135,736	69,102	66,634
390-398, 402, 404-429.....	1,101,363	579,669	521,694	979,149	515,533	463,616	122,214	64,136	58,078	114,336	59,285	55,051
390-398.....	12,231	4,248	7,983	11,367	3,927	7,440	864	321	543	736	270	466
402.....	42,262	18,647	23,615	32,990	14,263	18,727	9,272	4,384	4,888	8,981	4,221	4,760

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 7

NUMBER OF RESIDENT DEATHS TABULATED BY
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 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
404.....	5,014	2,082	2,932	3,965	1,642	2,323	1,049	440	609	1,001	412	589
410-414.....	654,317	355,774	298,543	600,333	327,307	273,026	53,984	28,467	25,517	50,018	25,926	24,092
410.....	317,659	187,323	130,336	291,859	173,110	118,749	25,800	14,213	11,587	23,855	12,913	10,942
411.....	11,833	7,269	4,564	10,373	6,403	3,970	1,460	866	594	1,300	753	547
413.....	4,702	2,639	2,063	4,386	2,468	1,918	316	171	145	291	153	138
412, 414....	469,879	246,588	223,291	433,443	227,879	205,564	36,436	18,709	17,727	33,594	16,900	16,694
424.....	17,725	8,847	8,878	16,169	8,103	8,066	1,556	744	812	1,426	670	756
415-423, 425- 429.....	754,757	387,833	366,924	666,221	341,962	324,259	88,536	45,871	42,665	82,846	42,446	40,400
401, 403.....	83,249	36,964	46,285	69,044	30,775	38,269	14,205	6,189	8,016	13,372	5,773	7,599
430-438.....	272,393	114,573	157,820	239,083	99,348	139,735	33,310	15,225	18,085	31,168	14,115	17,053
431-432.....	28,918	13,047	15,871	24,237	10,651	13,586	4,681	2,396	2,285	4,239	2,155	2,084
434.0, 434.9..	45,975	19,046	26,929	41,112	16,823	24,289	4,863	2,223	2,640	4,571	2,056	2,515
434.1.....	3,027	1,228	1,799	2,793	1,117	1,676	234	111	123	207	97	110
430, 433, 435- 438.....	211,699	87,941	123,758	186,665	76,778	109,887	25,034	11,163	13,871	23,531	10,413	13,118
440.....	146,640	64,286	82,354	135,148	59,054	76,094	11,492	5,232	6,260	10,763	4,843	5,920
441-448.....	37,347	22,510	14,837	34,254	20,933	13,321	3,093	1,577	1,516	2,834	1,414	1,420

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 7

NUMBER OF RESIDENT DEATHS TABULATED BY
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 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
466.....	2,000	1,068	932	1,840	975	865	160	93	67	134	69	65
480-487.....	162,237	86,747	75,490	146,172	77,010	69,162	16,065	9,737	6,328	14,572	8,788	5,784
480-486.....	157,798	85,103	72,695	141,979	75,473	66,506	15,819	9,630	6,189	14,351	8,693	5,658
487.....	4,440	1,644	2,796	4,194	1,537	2,657	246	107	139	221	95	126
490-496.....	136,991	94,947	42,044	128,366	88,682	39,684	8,625	6,265	2,360	7,849	5,697	2,152
490-491.....	9,245	5,612	3,633	8,706	5,255	3,451	539	357	182	480	317	163
492.....	32,468	24,069	8,399	30,774	22,656	8,118	1,694	1,413	281	1,560	1,309	251
493.....	7,365	3,153	4,212	6,131	2,575	3,556	1,234	578	656	1,109	509	600
494-496.....	89,275	62,890	26,385	83,998	58,899	25,099	5,277	3,991	1,286	4,792	3,621	1,171
531-533.....	17,077	9,491	7,586	15,443	8,493	6,950	1,634	998	636	1,450	875	575
540-543.....	1,110	600	510	932	510	422	178	90	88	171	84	87
550-553, 560.....	18,855	7,598	11,257	16,753	6,577	10,176	2,102	1,021	1,081	1,967	956	1,011
571.....	43,379	28,380	14,999	36,393	23,879	12,514	6,986	4,501	2,485	6,271	4,077	2,194
574-575.....	8,797	3,757	5,040	8,067	3,492	4,575	730	265	465	613	211	402
580-589.....	90,968	48,604	42,364	76,889	41,487	35,402	14,079	7,117	6,962	13,073	6,594	6,479
580-581.....	1,105	564	541	911	468	443	194	96	98	181	91	90
582-583, 587....	5,179	2,639	2,540	4,260	2,170	2,090	919	469	450	856	438	418

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 7

NUMBER OF RESIDENT DEATHS TABULATED BY
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1981

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

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <u>1/</u>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
584-586, 588-589	86,709	46,378	40,331	73,410	39,668	33,742	13,299	6,710	6,589	12,334	6,208	6,126
590.....	5,976	2,392	3,584	5,249	2,111	3,138	727	281	446	676	261	415
600.....	3,355	3,355	-	3,031	3,031	-	324	324	-	304	304	-
630-676.....	323	-	323	195	-	195	128	-	128	123	-	123
630-638.....	44	-	44	27	-	27	17	-	17	16	-	16
640-676.....	283	-	283	170	-	170	113	-	113	108	-	108
740-759.....	17,672	9,449	8,223	14,651	7,850	6,801	3,021	1,599	1,422	2,632	1,398	1,234
760-779.....	28,101	15,790	12,311	19,547	11,117	8,430	8,554	4,673	3,881	7,984	4,363	3,621
767-769.....	9,788	5,767	4,021	7,100	4,239	2,861	2,688	1,528	1,160	2,498	1,407	1,091
760-766, 770-779	27,180	15,268	11,912	18,848	10,732	8,116	8,332	4,536	3,796	7,787	4,245	3,542
780-799.....	356,575	187,464	169,111	310,546	162,097	148,449	46,029	25,367	20,662	42,343	23,239	19,104
RESIDUAL.....	465,868	233,935	231,933	408,002	203,010	204,992	57,866	30,925	26,941	53,276	28,303	24,973
E800-E949.....	157,264	99,789	57,475	137,077	86,042	51,035	20,187	13,747	6,440	17,608	11,995	5,613
E810-E825.....	52,237	38,222	14,015	46,166	33,661	12,505	6,071	4,561	1,510	4,917	3,794	1,123
E800-E807, E826- E949.....	105,490	61,915	43,575	91,321	52,684	38,637	14,169	9,231	4,938	12,732	8,237	4,495
E950-E959.....	27,670	20,919	6,751	25,536	19,292	6,244	2,134	1,627	507	1,647	1,299	348

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 7

NUMBER OF RESIDENT DEATHS TABULATED BY
RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 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
E960-E978.....	23,720	18,758	4,962	13,092	10,074	3,018	10,628	8,684	1,944	10,174	8,357	1,817
E980-E999.....	3,819	2,710	1,109	2,887	2,018	869	932	692	240	845	641	204
N800-N999.....	203,603	137,064	66,539	170,889	113,039	57,850	32,714	24,025	8,689	29,257	21,660	7,597
N800-N848.....	43,763	24,075	19,688	40,056	21,542	18,514	3,707	2,533	1,174	3,226	2,211	1,015
N850-N854.....	38,126	28,321	9,805	32,752	24,242	8,510	5,374	4,079	1,295	4,613	3,564	1,049
N860-N869.....	28,988	22,380	6,608	23,693	18,040	5,653	5,295	4,340	955	4,800	3,965	835
N870-N897.....	38,953	32,088	6,865	28,229	23,063	5,166	10,724	9,025	1,699	10,099	8,540	1,559
N900-N904.....	5,732	4,488	1,244	4,256	3,253	1,003	1,476	1,235	241	1,364	1,151	213
N905-N909.....	3,119	1,697	1,422	2,719	1,419	1,300	400	278	122	345	241	104
N910-N929.....	2,969	2,094	875	2,560	1,794	766	409	300	109	368	274	94
N930-N939.....	11,924	7,096	4,828	10,080	5,967	4,113	1,844	1,129	715	1,623	983	640
N940-N949.....	5,467	3,643	1,824	4,017	2,716	1,301	1,450	927	523	1,380	879	501
N950-N957.....	2,276	1,736	540	1,777	1,322	455	499	414	85	453	380	73
N958-N959.....	31,603	22,338	9,265	26,654	18,655	7,999	4,949	3,683	1,266	4,266	3,233	1,033
N960-N995.....	35,253	24,268	10,985	28,770	19,743	9,027	6,483	4,525	1,958	5,705	3,987	1,718
N996-N999.....	24,319	13,770	10,549	21,498	12,255	9,243	2,821	1,515	1,306	2,561	1,369	1,192

^{1/} INCLUDES BLACK
- QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 8

NUMBER OF RESIDENT DEATHS TABULATED BY
UNDERLYING CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST)

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
ALL CAUSES.....	1,978,032	1,064,262	913,770	1,731,420	926,007	805,413	246,612	138,255	108,357	228,444	127,252	101,192
004, 006.....	30	20	10	25	17	8	5	3	2	4	3	1
007-009.....	379	167	212	298	122	176	81	45	36	75	40	35
010-018.....	1,861	1,257	604	1,162	767	395	699	490	209	639	447	192
010-012.....	1,512	1,073	439	954	672	282	558	401	157	507	362	145
013-018.....	349	184	165	208	95	113	141	89	52	132	85	47
033.....	4	1	3	4	1	3	-	-	-	-	-	-
034-035.....	13	6	7	13	6	7	-	-	-	-	-	-
036.....	445	218	227	360	172	188	85	46	39	80	43	37
038.....	10,394	5,030	5,364	8,209	3,959	4,250	2,185	1,071	1,114	2,088	1,015	1,073
045.....	-	-	-	-	-	-	-	-	-	-	-	-
055.....	4	-	4	4	-	4	-	-	-	-	-	-
070.....	830	450	380	653	367	286	177	83	94	146	62	84
090-097.....	132	66	66	86	41	45	46	25	21	45	24	21
REM. 001 - 139....	4,364	2,278	2,086	3,572	1,891	1,681	792	387	405	697	336	361
140-208.....	422,173	228,141	194,032	372,746	199,560	173,186	49,427	28,581	20,846	45,788	26,492	19,296
140-149.....	8,456	5,794	2,662	7,130	4,786	2,344	1,326	1,008	318	1,210	914	296

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 8

NUMBER OF RESIDENT DEATHS TABULATED BY
UNDERLYING CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
150-159.....	111,336	58,653	52,683	97,259	50,757	46,502	14,077	7,896	6,181	12,760	7,084	5,676
160-165.....	111,227	80,401	30,826	98,487	70,657	27,830	12,740	9,744	2,996	11,975	9,186	2,789
174-175.....	36,832	258	36,574	33,233	224	33,009	3,599	34	3,565	3,367	34	3,333
179-187.....	46,762	24,011	22,751	39,897	20,027	19,870	6,865	3,984	2,881	6,514	3,857	2,657
188-189.....	17,964	11,688	6,276	16,405	10,754	5,651	1,559	934	625	1,453	855	598
170-173, 190-199	51,831	27,299	24,532	46,300	24,300	22,000	5,531	2,999	2,532	5,111	2,781	2,330
204-208.....	16,315	9,094	7,221	14,832	8,277	6,555	1,483	817	666	1,326	715	611
200-203.....	21,450	10,943	10,507	19,203	9,778	9,425	2,247	1,165	1,082	2,072	1,066	1,006
210-239.....	6,210	2,859	3,351	5,490	2,571	2,919	720	288	432	663	260	403
250.....	34,893	14,237	20,656	29,026	12,095	16,931	5,867	2,142	3,725	5,442	1,930	3,512
260-269.....	2,342	955	1,387	1,977	790	1,187	365	165	200	330	147	183
280-285.....	3,243	1,497	1,746	2,625	1,172	1,453	618	325	293	590	306	284
320-322.....	1,451	807	644	1,004	562	442	447	245	202	404	217	187
390-448.....	972,363	494,113	478,250	869,798	442,090	427,708	102,565	52,023	50,542	96,216	48,196	48,020
390-398, 402, 404-429.....	753,334	400,243	353,091	676,964	360,272	316,692	76,370	39,971	36,399	71,654	37,004	34,650
390-398.....	7,425	2,495	4,930	6,843	2,270	4,573	582	225	357	485	185	300

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 8

NUMBER OF RESIDENT DEATHS TABULATED BY
UNDERLYING CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
402.....	20,496	8,794	11,702	15,238	6,298	8,940	5,258	2,496	2,762	5,108	2,418	2,690
404.....	3,410	1,370	2,040	2,682	1,055	1,627	728	315	413	701	300	401
410-414.....	555,195	304,132	251,063	509,448	279,887	229,561	45,747	24,245	21,502	42,477	22,126	20,351
410.....	292,876	173,306	119,570	269,776	160,560	109,216	23,100	12,746	10,354	21,382	11,604	9,778
411.....	4,473	2,732	1,741	3,774	2,332	1,442	699	400	299	660	377	283
413.....	588	311	277	532	278	254	56	33	23	52	29	23
412, 414....	257,258	127,783	129,475	235,366	116,717	118,649	21,892	11,066	10,826	20,383	10,116	10,267
424.....	7,434	3,650	3,784	6,730	3,311	3,419	704	339	365	641	304	337
415-423, 425- 429.....	159,374	79,802	79,572	136,023	67,451	68,572	23,351	12,351	11,000	22,242	11,671	10,571
401, 403.....	7,696	3,544	4,152	6,003	2,779	3,224	1,693	765	928	1,644	735	909
430-438.....	163,571	66,662	96,909	142,848	57,163	85,685	20,723	9,499	11,224	19,417	8,837	10,580
431-432.....	19,861	8,880	10,981	16,569	7,169	9,400	3,292	1,711	1,581	3,002	1,551	1,451
434.0, 434.9..	30,984	12,388	18,596	27,834	10,955	16,879	3,150	1,433	1,717	2,943	1,314	1,629
434.1.....	806	330	476	745	300	445	61	30	31	60	29	31
430, 433, 435- 438.....	111,920	45,064	66,856	97,700	38,739	58,961	14,220	6,325	7,895	13,412	5,943	7,469
440.....	27,851	10,919	16,932	25,705	9,994	15,711	2,146	925	1,221	2,029	868	1,161

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 8

NUMBER OF RESIDENT DEATHS TABULATED BY
UNDERLYING CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER ^{1/}			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
441-448.....	19,911	12,745	7,166	18,278	11,882	6,396	1,633	863	770	1,472	752	720
466.....	576	304	272	515	264	251	61	40	21	54	33	21
480-487.....	53,982	27,173	26,809	48,224	23,679	24,545	5,758	3,494	2,264	5,245	3,178	2,067
480-486.....	50,949	26,086	24,863	45,354	22,667	22,687	5,595	3,419	2,176	5,098	3,110	1,988
487.....	3,033	1,087	1,946	2,870	1,012	1,858	163	75	88	147	68	79
490-496.....	58,811	39,757	19,054	54,941	36,986	17,955	3,870	2,771	1,099	3,534	2,525	1,009
490-491.....	3,762	2,388	1,374	3,552	2,235	1,317	210	153	57	184	131	53
492.....	13,366	9,607	3,759	12,689	9,046	3,643	677	561	116	633	524	109
493.....	3,026	1,264	1,762	2,384	944	1,440	642	320	322	587	289	298
494-496.....	38,657	26,498	12,159	36,316	24,761	11,555	2,341	1,737	604	2,130	1,581	549
531-533.....	6,380	3,372	3,008	5,761	2,987	2,774	619	385	234	566	348	218
540-543.....	567	320	247	452	254	198	115	66	49	109	61	48
550-553, 560.....	5,282	2,109	3,173	4,585	1,750	2,835	697	359	338	662	337	325
571.....	29,141	18,786	10,355	24,329	15,736	8,593	4,812	3,050	1,762	4,310	2,771	1,539
574-575.....	3,109	1,353	1,756	2,828	1,258	1,570	281	95	186	220	68	152
580-589.....	17,469	8,823	8,646	13,958	7,093	6,865	3,511	1,730	1,781	3,320	1,645	1,675
580-581.....	324	154	170	268	129	139	56	25	31	50	24	26

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 8

NUMBER OF RESIDENT DEATHS TABULATED BY
UNDERLYING CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
582-583, 587....	2,110	998	1,112	1,718	812	906	392	186	206	361	173	188
584-586, 588-589	15,035	7,671	7,364	11,972	6,152	5,820	3,063	1,519	1,544	2,909	1,448	1,461
590.....	2,327	844	1,483	2,046	750	1,296	281	94	187	263	90	173
600.....	705	705	-	612	612	-	93	93	-	88	88	-
630-676.....	285	-	285	173	-	173	112	-	112	107	-	107
630-638.....	37	-	37	22	-	22	15	-	15	14	-	14
640-676.....	248	-	248	151	-	151	97	-	97	93	-	93
740-759.....	13,425	7,109	6,316	11,040	5,854	5,186	2,385	1,255	1,130	2,068	1,094	974
760-779.....	21,723	12,310	9,413	14,629	8,427	6,202	7,094	3,883	3,211	6,681	3,655	3,026
767-769.....	6,652	4,039	2,613	4,813	2,966	1,847	1,839	1,073	766	1,718	997	721
760-766, 770-779	15,071	8,271	6,800	9,816	5,461	4,355	5,255	2,810	2,445	4,963	2,658	2,305
780-799.....	29,721	17,215	12,506	22,257	12,870	9,387	7,464	4,345	3,119	6,923	3,999	2,924
RESIDUAL.....	118,061	59,071	58,990	100,564	49,710	50,854	17,497	9,361	8,136	16,184	8,596	7,588
E800-E949.....	100,696	70,938	29,758	86,368	60,511	25,857	14,328	10,427	3,901	12,369	9,061	3,308
E810-E825.....	51,331	37,545	13,786	45,369	33,071	12,298	5,962	4,474	1,488	4,819	3,717	1,102
E800-E807, E826- E949.....	49,365	33,393	15,972	40,999	27,440	13,559	8,366	5,953	2,413	7,550	5,344	2,206

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 8

NUMBER OF RESIDENT DEATHS TABULATED BY
UNDERLYING CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 CAUSE LIST) - CONTINUED

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER ^{1/}			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
E950-E959.....	27,547	20,829	6,718	25,418	19,207	6,211	2,129	1,622	507	1,644	1,295	349
E960-E978.....	23,543	18,624	4,919	12,972	9,987	2,985	10,571	8,637	1,934	10,119	8,311	1,808
E980-E999.....	3,551	2,518	1,033	2,696	1,889	807	855	629	226	771	579	192

^{1/} INCLUDES BLACK
- QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 9

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1981

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

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <u>1/</u>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
004, 006.....	11	7	4	9	7	2	2	-	2	2	-	2
007-009.....	192	88	104	159	72	87	33	16	17	30	16	14
010-018.....	2,243	1,597	646	1,580	1,116	464	663	481	182	571	420	151
010-012.....	1,972	1,459	513	1,394	1,014	380	578	445	133	502	391	111
013-018.....	332	177	155	212	116	96	120	61	59	103	53	50
033.....	2	-	2	2	-	2	-	-	-	-	-	-
034-035.....	17	9	8	14	7	7	3	2	1	3	2	1
036.....	28	17	11	27	17	10	1	-	1	-	-	-
038.....	51,461	26,042	25,419	42,651	21,503	21,148	8,810	4,539	4,271	8,239	4,204	4,035
045.....	-	-	-	-	-	-	-	-	-	-	-	-
055.....	3	3	-	3	3	-	-	-	-	-	-	-
070.....	291	183	108	237	141	96	54	42	12	35	27	8
090-097.....	340	195	145	190	112	78	150	83	67	140	74	66
REM. 001 - 139.....	5,406	2,910	2,496	4,651	2,490	2,161	755	420	335	663	369	294
140-208.....	56,237	33,093	23,144	51,072	30,014	21,058	5,165	3,079	2,086	4,815	2,858	1,957
140-149.....	1,785	1,233	552	1,581	1,077	504	204	156	48	186	145	41
150-159.....	14,479	7,871	6,608	13,094	7,103	5,991	1,385	768	617	1,291	705	586

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 9

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 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
160-165.....	10,791	8,244	2,547	9,818	7,492	2,326	973	752	221	914	708	206
174-175.....	6,501	83	6,418	5,978	77	5,901	523	6	517	486	6	480
179-187.....	12,652	9,732	2,920	11,283	8,668	2,615	1,369	1,064	305	1,299	1,005	294
188-189.....	4,352	3,112	1,240	4,105	2,960	1,145	247	152	95	228	136	92
170-173, 190-199..	145,309	75,666	69,643	129,795	66,927	62,868	15,514	8,739	6,775	14,437	8,150	6,287
204-208.....	4,229	2,474	1,755	3,967	2,333	1,634	262	141	121	244	130	114
200-203.....	4,482	2,463	2,019	4,021	2,211	1,810	461	252	209	427	230	197
210-239.....	5,311	2,565	2,746	4,837	2,363	2,474	474	202	272	438	175	263
250.....	101,046	45,085	55,961	88,701	40,215	48,486	12,345	4,870	7,475	11,449	4,411	7,038
260-269.....	21,440	10,088	11,352	18,891	8,696	10,195	2,549	1,392	1,157	2,385	1,299	1,086
280-285.....	24,386	10,954	13,432	20,915	9,313	11,602	3,471	1,641	1,830	3,263	1,526	1,737
320-322.....	1,642	898	744	1,301	699	602	341	199	142	316	185	131
390-448.....	320,962	169,098	151,864	278,377	146,372	132,005	42,585	22,726	19,859	39,542	20,921	18,621
390-398, 402, 404-429.....	348,100	179,472	168,628	302,234	155,292	146,942	45,866	24,180	21,686	42,703	22,296	20,407
390-398.....	4,809	1,755	3,054	4,527	1,659	2,868	282	96	186	251	85	166
402.....	21,898	9,902	11,996	17,859	8,004	9,855	4,039	1,898	2,141	3,898	1,813	2,085

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 9

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 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
404.....	1,874	819	1,055	1,508	677	831	366	142	224	341	125	216
410-414.....	99,137	51,650	47,487	90,900	47,428	43,472	8,237	4,222	4,015	7,541	3,800	3,741
410.....	24,790	14,022	10,768	22,090	12,555	9,535	2,700	1,467	1,233	2,473	1,309	1,164
411.....	7,361	4,537	2,824	6,600	4,071	2,529	761	466	295	640	376	264
413.....	4,114	2,328	1,786	3,854	2,190	1,664	260	138	122	239	124	115
412, 414.....	212,633	118,810	93,823	198,089	111,167	86,922	14,544	7,643	6,901	13,211	6,784	6,427
424.....	10,292	5,197	5,095	9,440	4,792	4,648	852	405	447	785	366	419
415-423, 425- 429.....	595,451	308,076	287,375	530,241	274,539	255,702	65,210	33,537	31,673	60,628	30,792	29,836
401, 403.....	75,609	33,453	42,156	63,091	28,026	35,065	12,518	5,427	7,091	11,734	5,041	6,693
430-438.....	108,842	47,921	60,921	96,249	42,193	54,056	12,593	5,728	6,865	11,757	5,280	6,477
431-432.....	9,081	4,174	4,907	7,686	3,488	4,198	1,395	686	709	1,240	605	635
434.0, 434.9....	14,992	6,659	8,333	13,279	5,869	7,410	1,713	790	923	1,628	742	886
434.1.....	2,221	898	1,323	2,048	817	1,231	173	81	92	147	68	79
430, 433, 435- 438.....	99,816	42,888	56,928	88,993	38,047	50,946	10,823	4,841	5,982	10,128	4,473	5,655
440.....	118,791	53,368	65,423	109,445	49,061	60,384	9,346	4,307	5,039	8,734	3,975	4,759
441-448.....	17,619	9,843	7,776	16,142	9,122	7,020	1,477	721	756	1,379	669	710

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 9

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 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
466.....	1,424	764	660	1,325	711	614	99	53	46	80	36	44
480-487.....	108,264	59,578	48,686	97,953	53,333	44,620	10,311	6,245	4,066	9,331	5,612	3,719
480-486.....	106,858	59,021	47,837	96,630	52,808	43,822	10,228	6,213	4,015	9,257	5,585	3,672
487.....	1,407	557	850	1,324	525	799	83	32	51	74	27	47
490-496.....	78,181	55,191	22,990	73,426	51,697	21,729	4,755	3,494	1,261	4,315	3,172	1,143
490-491.....	5,483	3,224	2,259	5,154	3,020	2,134	329	204	125	296	186	110
492.....	19,103	14,463	4,640	18,086	13,611	4,475	1,017	852	165	927	785	142
493.....	4,366	1,898	2,468	3,767	1,639	2,128	599	259	340	529	221	308
494-496.....	50,621	36,395	14,226	47,685	34,141	13,544	2,936	2,254	682	2,662	2,040	622
531-533.....	10,698	6,120	4,578	9,683	5,507	4,176	1,015	613	402	884	527	357
540-543.....	543	280	263	480	256	224	63	24	39	62	23	39
550-553, 560.....	13,573	5,489	8,084	12,168	4,827	7,341	1,405	662	743	1,305	619	686
571.....	14,374	9,686	4,688	12,160	8,211	3,949	2,214	1,475	739	1,996	1,325	671
574-575.....	5,688	2,404	3,284	5,239	2,234	3,005	449	170	279	393	143	250
580-589.....	73,512	39,786	33,726	62,942	34,398	28,544	10,570	5,388	5,182	9,754	4,949	4,805
580-581.....	784	410	374	645	339	306	139	71	68	132	67	65
582-583, 587.....	3,090	1,653	1,437	2,559	1,367	1,192	531	286	245	498	267	231

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 9

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1981

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

CAUSE OF DEATH	RACE											
	ALL RACES			WHITE			ALL OTHER <u>1/</u>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
584-586, 588-589..	71,681	38,711	32,970	61,444	33,519	27,925	10,237	5,192	5,045	9,426	4,761	4,665
590.....	3,687	1,557	2,130	3,240	1,369	1,871	447	188	259	414	172	242
600.....	2,651	2,651	-	2,420	2,420	-	231	231	-	216	216	-
630-676.....	38	-	38	22	-	22	16	-	16	16	-	16
630-638.....	7	-	7	5	-	5	2	-	2	2	-	2
640-676.....	35	-	35	19	-	19	16	-	16	15	-	15
740-759.....	4,253	2,344	1,909	3,614	1,997	1,617	639	347	292	567	307	260
760-779.....	6,378	3,480	2,898	4,918	2,690	2,228	1,460	790	670	1,303	708	595
767-769.....	3,136	1,728	1,408	2,287	1,273	1,014	849	455	394	780	410	370
760-766, 770-779..	12,109	6,997	5,112	9,032	5,271	3,761	3,077	1,726	1,351	2,824	1,587	1,237
780-799.....	326,856	170,249	156,607	288,291	149,227	139,064	38,565	21,022	17,543	35,420	19,240	16,180
RESIDUAL.....	347,897	174,912	172,985	307,492	153,330	154,162	40,405	21,582	18,823	37,127	19,724	17,403
E800-E949.....	56,590	28,864	27,726	50,729	25,543	25,186	5,861	3,321	2,540	5,241	2,935	2,306
E810-E825.....	910	679	231	801	592	209	109	87	22	98	77	21
E800-E807, E826- E949.....	56,143	28,533	27,610	50,338	25,254	25,084	5,805	3,279	2,526	5,184	2,894	2,290
E950-E959.....	133	91	42	127	86	41	6	5	1	4	4	-

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 9

NUMBER OF RESIDENT DEATHS TABULATED BY PRESENCE OF A SECONDARY CAUSE
AS A RECORD AXIS MULTIPLE CAUSE-OF-DEATH, RACE AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 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
E960-E978.....	182	136	46	124	89	35	58	47	11	56	46	10
E980-E999.....	269	193	76	191	129	62	78	64	14	75	63	12
N800-N999.....	203,603	137,064	66,539	170,889	113,039	57,850	32,714	24,025	8,689	29,257	21,660	7,597
N800-N848.....	43,763	24,075	19,688	40,056	21,542	18,514	3,707	2,533	1,174	3,226	2,211	1,015
N850-N854.....	38,126	28,321	9,805	32,752	24,242	8,510	5,374	4,079	1,295	4,613	3,564	1,049
N860-N869.....	28,988	22,380	6,608	23,693	18,040	5,653	5,295	4,340	955	4,800	3,965	835
N870-N897.....	38,953	32,088	6,865	28,229	23,063	5,166	10,724	9,025	1,699	10,099	8,540	1,559
N900-N904.....	5,732	4,488	1,244	4,256	3,253	1,003	1,476	1,235	241	1,364	1,151	213
N905-N909.....	3,119	1,697	1,422	2,719	1,419	1,300	400	278	122	345	241	104
N910-N929.....	2,969	2,094	875	2,560	1,794	766	409	300	109	368	274	94
N930-N939.....	11,924	7,096	4,828	10,080	5,967	4,113	1,844	1,129	715	1,623	983	640
N940-N949.....	5,467	3,643	1,824	4,017	2,716	1,301	1,450	927	523	1,380	879	501
N950-N957.....	2,276	1,736	540	1,777	1,322	455	499	414	85	453	380	73
N958-N959.....	31,603	22,338	9,265	26,654	18,655	7,999	4,949	3,683	1,266	4,266	3,233	1,033
N960-N995.....	35,253	24,268	10,985	28,770	19,743	9,027	6,483	4,525	1,958	5,705	3,987	1,718
N996-N999.....	24,319	13,770	10,549	21,498	12,255	9,243	2,821	1,515	1,306	2,561	1,369	1,192

^{1/} INCLUDES BLACK
QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 10

NUMBER OF RESIDENT DEATHS TABULATED BY
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 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
004, 006.....	41	27	14	34	24	10	7	3	4	6	3	3
007-009.....	572	256	316	458	195	263	114	61	53	105	56	49
010-018.....	4,104	2,854	1,250	2,742	1,883	859	1,362	971	391	1,210	867	343
010-012.....	3,510	2,545	965	2,364	1,693	671	1,146	852	294	1,019	759	260
013-018.....	654	345	309	400	201	199	254	144	110	228	132	96
033.....	6	1	5	6	1	5	-	-	-	-	-	-
034-035.....	30	15	15	27	13	14	3	2	1	3	2	1
036.....	473	235	238	387	189	198	86	46	40	80	43	37
038.....	62,092	31,190	30,902	51,058	25,559	25,499	11,034	5,631	5,403	10,364	5,240	5,124
045.....	-	-	-	-	-	-	-	-	-	-	-	-
055.....	7	3	4	7	3	4	-	-	-	-	-	-
070.....	1,121	633	488	890	508	382	231	125	106	181	89	92
090-097.....	472	261	211	276	153	123	196	108	88	185	98	87
REM. 001 - 139....	10,247	5,424	4,823	8,614	4,575	4,039	1,633	849	784	1,438	743	695
140-208.....	478,411	261,233	217,178	423,817	229,573	194,244	54,594	31,660	22,934	50,605	29,350	21,255
140-149.....	10,241	7,027	3,214	8,711	5,863	2,848	1,530	1,164	366	1,396	1,059	337
150-159.....	125,816	66,524	59,292	110,353	57,860	52,493	15,463	8,664	6,799	14,052	7,789	6,263

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 10

NUMBER OF RESIDENT DEATHS TABULATED BY
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 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
160-165.....	122,016	88,643	33,373	108,303	78,147	30,156	13,713	10,496	3,217	12,889	9,894	2,995
174-175.....	43,334	341	42,993	39,211	301	38,910	4,123	40	4,083	3,854	40	3,814
179-187.....	59,415	33,743	25,672	51,181	28,695	22,486	8,234	5,048	3,186	7,813	4,862	2,951
188-189.....	22,316	14,800	7,516	20,510	13,714	6,796	1,806	1,086	720	1,681	991	690
170-173, 190-199	197,565	103,190	94,375	176,450	91,409	85,041	21,115	11,781	9,334	19,615	10,972	8,643
204-208.....	20,544	11,568	8,976	18,799	10,610	8,189	1,745	958	787	1,570	845	725
200-203.....	25,931	13,406	12,525	23,223	11,989	11,234	2,708	1,417	1,291	2,499	1,296	1,203
210-239.....	11,735	5,554	6,181	10,507	5,044	5,463	1,228	510	718	1,133	453	680
250.....	135,941	59,322	76,619	117,729	52,310	65,419	18,212	7,012	11,200	16,891	6,341	10,550
260-269.....	24,388	11,390	12,998	21,383	9,774	11,609	3,005	1,616	1,389	2,800	1,500	1,300
280-285.....	27,649	12,464	15,185	23,559	10,497	13,062	4,090	1,967	2,123	3,854	1,833	2,021
320-322.....	3,110	1,713	1,397	2,317	1,264	1,053	793	449	344	723	405	318
390-448.....	1,294,129	663,561	630,568	1,148,864	588,755	560,109	145,265	74,806	70,459	135,867	69,170	66,697
390-398, 402, 404-429.....	1,101,850	579,864	521,986	979,553	515,690	463,863	122,297	64,174	58,123	114,412	59,321	55,091
390-398.....	12,234	4,249	7,985	11,370	3,928	7,442	864	321	543	736	270	466
402.....	41,349	18,406	22,943	32,070	14,044	18,026	9,279	4,362	4,917	8,983	4,194	4,789

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 10

NUMBER OF RESIDENT DEATHS TABULATED BY
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 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
404.....	2,056	808	1,248	1,799	704	1,095	257	104	153	248	100	148
410-414.....	654,334	355,781	298,553	600,349	327,315	273,034	53,985	28,466	25,519	50,019	25,925	24,094
410.....	317,663	187,326	130,337	291,864	173,114	118,750	25,799	14,212	11,587	23,854	12,912	10,942
411.....	11,834	7,269	4,565	10,374	6,403	3,971	1,460	866	594	1,300	753	547
413.....	4,702	2,639	2,063	4,386	2,468	1,918	316	171	145	291	153	138
412, 414....	469,893	246,593	223,300	433,455	227,884	205,571	36,438	18,709	17,729	33,596	16,900	16,696
424.....	17,728	8,852	8,876	16,169	8,107	8,062	1,559	745	814	1,429	671	758
415-423, 425- 429.....	759,744	389,961	369,783	670,500	343,749	326,751	89,244	46,212	43,032	83,517	42,770	40,747
401, 403.....	89,932	39,711	50,221	74,265	32,849	41,416	15,667	6,862	8,805	14,772	6,407	8,365
430-438.....	272,233	114,512	157,721	238,929	99,292	139,637	33,304	15,220	18,084	31,162	14,110	17,052
431-432.....	29,571	13,295	16,276	24,780	10,859	13,921	4,791	2,436	2,355	4,335	2,191	2,144
434.0, 434.9..	46,310	19,185	27,125	41,420	16,950	24,470	4,890	2,235	2,655	4,593	2,064	2,529
434.1.....	3,027	1,228	1,799	2,793	1,117	1,676	234	111	123	207	97	110
430, 433, 435- 438.....	216,952	90,269	126,683	191,313	78,820	112,493	25,639	11,449	14,190	24,073	10,660	13,413
440.....	163,840	71,521	92,319	151,227	65,798	85,429	12,613	5,723	6,890	11,798	5,292	6,506
441-448.....	40,571	24,151	16,420	37,138	22,422	14,716	3,433	1,729	1,704	3,144	1,550	1,594

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 10

NUMBER OF RESIDENT DEATHS TABULATED BY
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 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
466.....	2,358	1,274	1,084	2,181	1,172	1,009	177	102	75	148	77	71
480-487.....	163,352	87,395	75,957	147,124	77,549	69,575	16,228	9,846	6,382	14,723	8,890	5,833
480-486.....	160,552	86,380	74,172	144,492	76,605	67,887	16,060	9,775	6,285	14,571	8,826	5,745
487.....	4,440	1,644	2,796	4,194	1,537	2,657	246	107	139	221	95	126
490-496.....	137,819	95,706	42,113	129,156	89,404	39,752	8,663	6,302	2,361	7,885	5,733	2,152
490-491.....	9,326	5,638	3,688	8,783	5,278	3,505	543	360	183	483	320	163
492.....	35,132	25,972	9,160	33,330	24,476	8,854	1,802	1,496	306	1,661	1,386	275
493.....	7,540	3,246	4,294	6,295	2,663	3,632	1,245	583	662	1,120	514	606
494-496.....	96,124	67,608	28,516	90,446	63,319	27,127	5,678	4,289	1,389	5,148	3,882	1,266
531-533.....	17,080	9,491	7,589	15,446	8,493	6,953	1,634	998	636	1,450	875	575
540-543.....	1,110	600	510	932	510	422	178	90	88	171	84	87
550-553, 560.....	18,855	7,598	11,257	16,753	6,577	10,176	2,102	1,021	1,081	1,967	956	1,011
571.....	43,332	28,350	14,982	36,355	23,854	12,501	6,977	4,496	2,481	6,267	4,074	2,193
574-575.....	8,804	3,759	5,045	8,073	3,494	4,579	731	265	466	614	211	403
580-589.....	103,289	54,218	49,071	86,662	46,015	40,647	16,627	8,203	8,424	15,490	7,606	7,884
580-581.....	1,222	590	632	1,007	493	514	215	97	118	198	90	108
582-583, 587....	6,267	3,050	3,217	5,159	2,521	2,638	1,108	529	579	1,024	489	535

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 10

NUMBER OF RESIDENT DEATHS TABULATED BY
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 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
584-586, 588-589	98,538	51,862	46,676	82,742	44,064	38,678	15,796	7,798	7,998	14,717	7,230	7,487
590.....	6,345	2,532	3,813	5,584	2,237	3,347	761	295	466	706	272	434
600.....	3,356	3,356	-	3,032	3,032	-	324	324	-	304	304	-
630-676.....	323	-	323	195	-	195	128	-	128	123	-	123
630-638.....	44	-	44	27	-	27	17	-	17	16	-	16
640-676.....	283	-	283	170	-	170	113	-	113	108	-	108
740-759.....	17,762	9,495	8,267	14,722	7,885	6,837	3,040	1,610	1,430	2,650	1,408	1,242
760-779.....	28,140	15,809	12,331	19,575	11,133	8,442	8,565	4,676	3,889	7,995	4,366	3,629
767-769.....	9,902	5,818	4,084	7,176	4,272	2,904	2,726	1,546	1,180	2,534	1,423	1,111
760-766, 770-779	27,196	15,280	11,916	18,860	10,741	8,119	8,336	4,539	3,797	7,791	4,248	3,543
780-799.....	362,021	189,739	172,282	315,188	164,049	151,139	46,833	25,690	21,143	43,093	23,539	19,554
RESIDUAL.....	486,567	244,855	241,712	425,444	212,134	213,310	61,123	32,721	28,402	56,309	29,972	26,337
E800-E949.....	157,279	99,798	57,481	137,091	86,050	51,041	20,188	13,748	6,440	17,609	11,996	5,613
E810-E825.....	52,240	38,223	14,017	46,169	33,662	12,507	6,071	4,561	1,510	4,917	3,794	1,123
E800-E807, E826- E949.....	105,502	61,923	43,579	91,332	52,691	38,641	14,170	9,232	4,938	12,733	8,238	4,495
E950-E959.....	27,680	20,920	6,760	25,545	19,293	6,252	2,135	1,627	508	1,648	1,299	349

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 10

NUMBER OF RESIDENT DEATHS TABULATED BY
ENTITY AXIS MULTIPLE CAUSE-OF-DEATH, RACE, AND SEX: UNITED STATES, 1981

(CAUSE CATEGORIES BASED ON 72 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
E960-E978.....	23,725	18,760	4,965	13,096	10,076	3,020	10,629	8,684	1,945	10,175	8,357	1,818
E980-E999.....	3,820	2,711	1,109	2,887	2,018	869	933	693	240	846	642	204
N800-N999.....	203,615	137,071	66,544	170,897	113,042	57,855	32,718	24,029	8,689	29,261	21,664	7,597
N800-N848.....	43,762	24,075	19,687	40,055	21,542	18,513	3,707	2,533	1,174	3,226	2,211	1,015
N850-N854.....	38,128	28,323	9,805	32,753	24,243	8,510	5,375	4,080	1,295	4,614	3,565	1,049
N860-N869.....	28,990	22,382	6,608	23,694	18,041	5,653	5,296	4,341	955	4,801	3,966	835
N870-N897.....	38,955	32,089	6,866	28,230	23,063	5,167	10,725	9,026	1,699	10,100	8,541	1,559
N900-N904.....	5,732	4,488	1,244	4,256	3,253	1,003	1,476	1,235	241	1,364	1,151	213
N905-N909.....	3,118	1,697	1,421	2,718	1,419	1,299	400	278	122	345	241	104
N910-N929.....	2,969	2,094	875	2,560	1,794	766	409	300	109	368	274	94
N930-N939.....	11,924	7,096	4,828	10,080	5,967	4,113	1,844	1,129	715	1,623	983	640
N940-N949.....	5,467	3,643	1,824	4,017	2,716	1,301	1,450	927	523	1,380	879	501
N950-N957.....	2,276	1,736	540	1,777	1,322	455	499	414	85	453	380	73
N958-N959.....	31,604	22,339	9,265	26,654	18,655	7,999	4,950	3,684	1,266	4,267	3,234	1,033
N960-N995.....	35,260	24,271	10,989	28,776	19,745	9,031	6,484	4,526	1,958	5,706	3,988	1,718
N996-N999.....	24,319	13,770	10,549	21,498	12,255	9,243	2,821	1,515	1,306	2,561	1,369	1,192

^{1/} INCLUDES BLACK
- QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 11

NUMBER OF RESIDENT DEATHS TABULATED BY
5-YEAR AGE, RACE AND SEX: UNITED STATES, 1981

	RACE											
	ALL RACES			WHITE			ALL OTHER ^{1/}			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
AGE												
ALL AGES.....	1,978,032	1,064,262	913,770	1,731,420	926,007	805,413	246,612	138,255	108,357	228,444	127,252	101,192
UNDER 1 YR....	43,476	24,465	19,011	30,570	17,419	13,151	12,906	7,046	5,860	11,849	6,474	5,375
01-04 YR.....	8,106	4,654	3,452	5,954	3,427	2,527	2,152	1,227	925	1,913	1,082	831
05-09 YR.....	4,608	2,786	1,822	3,561	2,141	1,420	1,047	645	402	929	571	358
10-14 YR.....	5,346	3,416	1,930	4,245	2,741	1,504	1,101	675	426	957	575	382
15-19 YR.....	18,389	13,452	4,937	15,440	11,275	4,165	2,949	2,177	772	2,535	1,875	660
20-24 YR.....	26,583	20,182	6,401	21,325	16,301	5,024	5,258	3,881	1,377	4,684	3,467	1,217
25-29 YR.....	25,864	19,148	6,716	19,747	14,727	5,020	6,117	4,421	1,696	5,587	4,061	1,526
30-34 YR.....	25,486	17,707	7,779	18,936	13,213	5,723	6,550	4,494	2,056	5,938	4,122	1,816
35-39 YR.....	25,780	16,938	8,842	19,374	12,751	6,623	6,406	4,187	2,219	5,848	3,865	1,983
40-44 YR.....	32,350	20,755	11,595	24,588	15,873	8,715	7,762	4,882	2,880	7,068	4,465	2,603
45-49 YR.....	48,550	30,853	17,697	38,006	24,294	13,712	10,544	6,559	3,985	9,714	6,090	3,624
50-54 YR.....	80,358	50,887	29,471	65,425	41,754	23,671	14,933	9,133	5,800	13,932	8,508	5,424
55-59 YR.....	123,319	77,860	45,459	103,267	65,791	37,476	20,052	12,069	7,983	18,893	11,330	7,563
60-64 YR.....	166,561	104,072	62,489	143,292	90,385	52,907	23,269	13,687	9,582	21,918	12,862	9,056
65-69 YR.....	213,838	130,267	83,571	187,140	115,044	72,096	26,698	15,223	11,475	25,027	14,192	10,835
70-74 YR.....	250,162	145,022	105,140	222,006	129,573	92,433	28,156	15,449	12,707	26,385	14,248	12,137
75-79 YR.....	262,039	138,288	123,751	236,804	125,316	111,488	25,235	12,972	12,263	23,405	11,829	11,576
80-84 YR.....	253,609	115,022	138,587	232,220	105,092	127,128	21,389	9,930	11,459	19,771	8,976	10,795
85 & OV.....	363,006	128,076	234,930	339,113	118,613	220,500	23,893	9,463	14,430	21,922	8,549	13,373
NOT STATED...	602	412	190	407	277	130	195	135	60	169	111	58

^{1/} INCLUDES BLACK

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 12

NUMBER OF RESIDENT DEATHS TABULATED BY
STATE OF RESIDENCE, RACE AND SEX: UNITED STATES, 1961 - CONTINUED

	RACE											
	ALL RACES			WHITE			ALL OTHER 1/			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
STATE OF RESIDENCE												
MISSISSIPPI.....	23,476	12,947	10,529	14,944	8,256	6,688	8,532	4,691	3,841	8,475	4,660	3,815
MISSOURI.....	48,813	25,878	22,935	43,984	23,187	20,797	4,829	2,691	2,138	4,778	2,667	2,111
MONTANA.....	6,717	3,723	2,994	6,314	3,502	2,812	403	221	182	18	13	5
NEBRASKA.....	14,628	7,812	6,816	14,214	7,583	6,631	414	229	185	348	195	153
NEVADA.....	5,919	3,528	2,391	5,515	3,272	2,243	404	256	148	259	162	97
NEW HAMPSHIRE.....	7,707	4,069	3,638	7,695	4,062	3,633	12	7	5	9	4	5
NEW JERSEY.....	67,302	34,989	32,313	60,023	30,886	29,137	7,279	4,103	3,176	7,077	3,982	3,095
NEW MEXICO.....	8,698	5,010	3,688	7,970	4,550	3,420	728	460	268	163	94	69
NEW YORK.....	168,179	86,629	81,550	147,181	75,184	71,997	20,998	11,445	9,553	19,799	10,677	9,122
NORTH CAROLINA.....	49,223	27,498	21,725	36,943	20,526	16,417	12,280	6,972	5,308	11,901	6,747	5,154
NORTH DAKOTA.....	5,456	3,103	2,353	5,296	2,999	2,297	160	104	56	-	-	-
OHIO.....	96,424	51,064	45,360	86,795	45,716	41,079	9,629	5,348	4,281	9,519	5,292	4,227
OKLAHOMA.....	28,628	15,591	13,037	25,737	14,005	11,732	2,891	1,586	1,305	1,939	1,017	922
OREGON.....	21,820	12,034	9,786	21,356	11,763	9,593	464	271	193	245	143	102
PENNSYLVANIA.....	120,112	62,907	57,205	109,469	57,046	52,423	10,643	5,861	4,782	10,505	5,778	4,727
RHODE ISLAND.....	9,183	4,779	4,404	8,978	4,674	4,304	205	105	100	162	78	84
SOUTH CAROLINA.....	25,428	13,964	11,464	17,224	9,454	7,770	8,204	4,510	3,694	8,183	4,501	3,682
SOUTH DAKOTA.....	6,440	3,599	2,841	6,008	3,344	2,664	432	255	177	7	3	4
TENNESSEE.....	40,544	22,395	18,149	33,748	18,641	15,107	6,796	3,754	3,042	6,757	3,725	3,032
TEXAS.....	110,570	61,443	49,127	95,640	52,912	42,728	14,930	8,531	6,399	14,630	8,374	6,256
UTAH.....	8,368	4,628	3,740	8,177	4,520	3,657	191	108	83	51	29	22
VERMONT.....	4,310	2,250	2,060	4,298	2,244	2,054	12	6	6	10	4	6
VIRGINIA.....	42,259	23,006	19,253	32,996	17,831	15,165	9,263	5,175	4,088	9,147	5,118	4,029
WASHINGTON.....	32,020	17,225	14,795	30,619	16,377	14,242	1,401	848	553	618	382	236
WEST VIRGINIA.....	19,143	10,616	8,527	18,298	10,164	8,134	845	452	393	835	446	389
WISCONSIN.....	40,544	21,769	18,775	39,349	21,084	18,265	1,195	685	510	943	531	412

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 12

NUMBER OF RESIDENT DEATHS TABULATED BY
STATE OF RESIDENCE, RACE AND SEX: UNITED STATES, 1981

STATE OF RESIDENCE	RACE											
	ALL RACES			WHITE			ALL OTHER <u>1/</u>			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
UNITED STATES.....	1,978,032	1,064,262	913,770	1,731,420	926,007	805,413	246,612	138,255	108,357	228,444	127,252	101,192
ALABAMA.....	35,413	19,480	15,933	25,612	14,113	11,499	9,801	5,367	4,434	9,785	5,361	4,424
ALASKA.....	1,708	1,114	594	1,148	749	399	560	365	195	44	30	14
ARIZONA.....	21,334	12,425	8,909	19,776	11,418	8,358	1,558	1,007	551	548	350	198
ARKANSAS.....	22,320	12,562	9,758	18,345	10,302	8,043	3,975	2,260	1,715	3,941	2,240	1,701
CALIFORNIA.....	185,045	98,675	86,370	166,901	88,144	78,757	18,144	10,531	7,613	13,543	7,712	5,831
COLORADO.....	19,392	10,468	8,924	18,679	10,052	8,627	713	416	297	585	346	239
CONNECTICUT.....	26,767	13,943	12,824	25,312	13,112	12,200	1,455	831	624	1,416	807	609
DELAWARE.....	5,078	2,673	2,405	4,327	2,241	2,086	751	432	319	743	425	318
DISTRICT OF COLUMBIA.....	6,962	3,732	3,230	1,982	931	1,051	4,980	2,801	2,179	4,948	2,777	2,171
FLORIDA.....	109,220	61,072	48,148	96,945	54,192	42,753	12,275	6,880	5,395	12,177	6,831	5,346
GEORGIA.....	44,833	24,489	20,344	31,763	17,396	14,367	13,070	7,093	5,977	13,019	7,068	5,951
HAWAII.....	4,983	3,037	1,946	1,630	987	643	3,353	2,050	1,303	35	28	7
IDAHO.....	6,944	4,035	2,909	6,817	3,952	2,865	127	83	44	16	12	4
ILLINOIS.....	101,860	53,901	47,959	87,744	46,039	41,705	14,116	7,862	6,254	13,765	7,676	6,089
INDIANA.....	47,261	25,297	21,964	43,930	23,464	20,466	3,331	1,833	1,498	3,299	1,821	1,478
IOWA.....	26,949	14,082	12,867	26,589	13,879	12,710	360	203	157	306	169	137
KANSAS.....	21,682	11,407	10,275	20,579	10,827	9,752	1,103	580	523	1,013	529	484
KENTUCKY.....	33,135	18,333	14,802	30,553	16,927	13,626	2,582	1,406	1,176	2,570	1,400	1,170
LOUISIANA.....	36,027	19,811	16,216	24,479	13,422	11,057	11,548	6,389	5,159	11,470	6,348	5,122
MAINE.....	10,381	5,556	4,825	10,352	5,540	4,812	29	16	13	9	6	3
MARYLAND.....	33,964	18,137	15,827	26,730	14,041	12,589	7,234	4,096	3,138	7,090	4,018	3,072
MASSACHUSETTS.....	52,975	26,676	26,299	51,371	25,764	25,607	1,604	912	692	1,451	818	633
MICHIGAN.....	75,884	41,158	34,726	65,725	35,375	30,350	10,159	5,783	4,376	9,955	5,667	4,288
MINNESOTA.....	32,844	17,900	14,944	32,287	17,571	14,716	557	329	228	321	184	137

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 12

NUMBER OF RESIDENT DEATHS TABULATED BY
STATE OF RESIDENCE, RACE AND SEX: UNITED STATES, 1981 - CONTINUED

STATE OF RESIDENCE	RACE											
	ALL RACES			WHITE			ALL OTHER ^{1/}			BLACK		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
WYOMING.....	3,160	1,843	1,317	3,073	1,787	1,286	87	56	31	17	7	10

^{1/} INCLUDES BLACK
- QUANTITY = 0

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 13

NUMBER OF DEATHS TABULATED BY
STATE OF OCCURRENCE AND MONTH: UNITED STATES, 1981

(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.....	1,981,317	203,228	161,747	169,357	158,983	162,437	154,610	159,208	156,805	152,529	165,758	161,933	174,722
ALABAMA.....	35,162	3,610	2,918	3,190	2,854	2,820	2,732	2,802	2,792	2,642	2,806	2,872	3,124
ALASKA.....	1,794	149	121	158	130	154	169	170	161	158	134	143	147
ARIZONA.....	21,922	2,250	1,814	1,986	1,900	1,770	1,632	1,720	1,648	1,590	1,760	1,834	2,018
ARKANSAS.....	22,116	2,342	1,794	1,850	1,748	1,762	1,794	1,826	1,694	1,754	1,838	1,818	1,896
CALIFORNIA.....	185,684	18,662	14,960	16,058	15,244	15,316	14,846	14,980	14,970	14,274	15,282	15,012	16,080
COLORADO.....	20,039	1,984	1,573	1,681	1,588	1,659	1,644	1,661	1,546	1,501	1,666	1,768	1,768
CONNECTICUT.....	26,844	2,741	2,177	2,216	2,157	2,188	2,075	2,253	2,088	2,064	2,302	2,213	2,370
DELAWARE.....	5,181	578	382	396	407	430	406	452	420	386	465	429	430
DISTRICT OF COLUMBIA.....	8,688	876	670	703	670	759	734	694	677	667	741	694	803
FLORIDA.....	110,836	12,000	10,002	10,214	9,046	8,938	8,482	8,308	8,338	8,078	8,584	8,754	10,092
GEORGIA.....	45,468	4,710	3,992	4,086	3,490	3,666	3,484	3,626	3,504	3,396	3,778	3,774	3,962
HAWAII.....	5,269	487	444	448	419	413	428	451	448	432	423	429	447
IDAHO.....	6,610	592	506	572	548	596	522	534	526	546	586	546	536
ILLINDIS.....	99,158	10,512	7,988	8,448	7,692	8,148	7,590	7,722	7,922	7,758	8,320	8,144	8,914
INDIANA.....	47,532	4,784	3,976	4,042	3,732	3,848	3,672	3,844	3,734	3,674	4,132	3,930	4,164
IOWA.....	26,772	2,828	2,366	2,256	2,099	2,148	2,035	2,074	2,102	2,120	2,204	2,129	2,411
KANSAS.....	21,131	2,059	1,777	1,827	1,716	1,700	1,683	1,734	1,634	1,647	1,675	1,746	1,933
KENTUCKY.....	32,962	3,444	2,670	2,834	2,736	2,710	2,486	2,636	2,564	2,580	2,778	2,702	2,822
LOUISIANA.....	36,374	3,651	3,118	3,144	2,851	2,936	2,880	3,010	2,924	2,857	2,877	2,952	3,174
MAINE.....	10,334	1,031	870	878	793	832	796	842	876	830	863	811	912
MARYLAND.....	33,488	3,368	2,690	2,850	2,735	2,763	2,631	2,660	2,686	2,596	2,837	2,687	2,985
MASSACHUSETTS.....	53,409	5,645	4,204	4,555	4,203	4,368	4,031	4,320	4,103	4,133	4,636	4,395	4,816
MICHIGAN.....	74,683	7,242	5,994	6,077	6,111	6,196	5,769	6,151	6,007	5,867	6,578	6,109	6,582
MINNESOTA.....	33,340	3,193	2,835	2,765	2,649	2,778	2,614	2,713	2,634	2,571	2,939	2,717	2,932
MISSISSIPPI.....	22,988	2,450	1,930	1,959	1,772	1,845	1,808	1,855	1,850	1,855	1,803	1,853	2,008

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 13

NUMBER OF DEATHS TABULATED BY
STATE OF OCCURRENCE AND MONTH: UNITED STATES, 1981

(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.
MISSOURI.....	49,780	5,187	4,196	4,209	3,943	4,057	3,823	4,045	3,948	3,891	4,096	4,037	4,348
MONTANA.....	6,706	620	546	562	516	560	512	566	600	522	562	538	602
NEBRASKA.....	14,664	1,434	1,243	1,311	1,184	1,157	1,133	1,156	1,184	1,141	1,198	1,194	1,329
NEVADA.....	6,419	587	470	554	564	550	570	523	517	534	518	489	543
NEW HAMPSHIRE.....	7,602	829	612	576	569	624	586	604	645	562	664	662	669
NEW JERSEY.....	65,562	6,756	5,105	5,536	5,103	5,529	5,066	5,370	5,210	5,116	5,582	5,429	5,760
NEW MEXICO.....	8,598	779	691	746	698	733	688	668	724	709	737	694	731
NEW YORK.....	167,690	17,451	13,003	13,798	13,466	13,922	13,141	13,670	13,229	12,910	14,569	13,864	14,667
NORTH CAROLINA.....	49,668	5,261	4,060	4,232	3,931	4,026	3,876	3,923	3,956	3,846	4,167	4,028	4,362
NORTH DAKOTA.....	5,770	546	440	516	448	474	434	524	472	432	530	490	464
OHIO.....	96,260	9,938	7,458	8,196	7,940	7,942	7,628	7,750	7,522	7,536	8,078	7,900	8,372
OKLAHOMA.....	27,812	2,710	2,410	2,372	2,238	2,186	2,188	2,240	2,300	2,196	2,198	2,310	2,464
OREGON.....	21,794	2,102	1,755	1,869	1,814	1,821	1,753	1,765	1,899	1,617	1,762	1,799	1,838
PENNSYLVANIA.....	119,964	12,573	9,389	10,159	9,825	10,077	9,163	9,627	9,190	9,114	10,286	9,969	10,592
RHODE ISLAND.....	9,390	1,048	760	790	704	760	708	738	808	714	754	740	866
SOUTH CAROLINA.....	24,603	2,505	2,165	2,162	1,957	1,932	1,892	1,925	1,868	1,913	2,044	1,996	2,244
SOUTH DAKOTA.....	6,308	636	545	531	507	516	481	497	493	459	557	548	538
TENNESSEE.....	42,946	4,586	3,564	3,736	3,522	3,500	3,392	3,436	3,294	3,184	3,594	3,284	3,854
TEXAS.....	112,760	11,516	9,328	9,652	8,934	9,182	8,868	9,144	9,096	8,732	9,172	9,238	9,898
UTAH.....	8,640	791	630	734	698	696	756	726	710	663	778	728	730
VERMONT.....	4,352	441	350	365	309	345	361	359	354	309	396	365	398
VIRGINIA.....	41,509	4,347	3,384	3,554	3,282	3,284	3,251	3,307	3,271	3,131	3,478	3,478	3,742
WASHINGTON.....	32,230	3,030	2,668	2,750	2,570	2,692	2,514	2,664	2,790	2,422	2,686	2,612	2,832
WEST VIRGINIA.....	19,068	1,968	1,610	1,694	1,630	1,590	1,464	1,470	1,472	1,408	1,580	1,542	1,640
WISCONSIN.....	40,414	4,128	3,387	3,299	3,105	3,320	3,156	3,189	3,147	3,237	3,466	3,311	3,669

SEE FOOTNOTES AT END OF TABLE.

MULTIPLE CAUSE OF DEATH PUBLIC USE TAPE
CONTROL TOTAL TABLE 13

NUMBER OF DEATHS TABULATED BY
STATE OF OCCURRENCE AND MONTH: UNITED STATES, 1981

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

	TOTAL	MONTH OF DEATH											
		JANUARY	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCTOBER	NOV.	DEC.
STATE OF OCCURRENCE													
WYOMING.....	3,024	271	207	261	236	219	263	284	258	255	299	227	244

1981 Addendum to "Technical Appendix" of Vital Statistics of the United States, 1979, Volume II, Mortality, Part A

To assist the users of the mortality public-use tapes, attached is a copy of the "Technical Appendix" of Vital Statistics of the United States, 1979, Volume II, Mortality, Part A. This technical appendix provides certain qualifications that are essential to using, analyzing, and interpreting the data on those tapes. Certain modifications to the attached technical appendix are essential to make it applicable to the mortality file for the 1981 data year. Those modifications, which will appear in the printed version of the 1981 technical appendix, include the following:

1. Vital Statistics Cooperative Program. In 1981, 45 States furnished demographic data on computer tape and 16 of these States also furnished cause-of-death data on computer tape through the Vital Statistics Cooperative Program (VSCP). The following States were added to the VSCP in 1980 and 1981.

<u>State-coded demographic data</u>	<u>State-coded medical data</u>		
<u>1980</u>	<u>1980</u>	<u>1981</u>	
Arkansas	Colorado	Mississippi	Maine
New Mexico	Kansas	New Hampshire	
South Dakota	Massachusetts	Pennsylvania	
	Minnesota	South Carolina	

2. The following 15 VSCP States submitted precoded demographic data for all deaths and precoded cause-of-death data for part of the deaths along with copies of the original certificates from which NCHS coded the remaining medical data: Alabama, Arkansas, Florida, Idaho, Illinois, Indiana, Kentucky, Montana, Ohio, Oklahoma, Rhode Island, Tennessee, Texas, Washington, and West Virginia. The remaining 14 VSCP States submitted only precoded demographic data: Alaska, Connecticut, Hawaii, Maryland, Missouri, Nevada, New Jersey, New Mexico, New York, Oregon, South Dakota, Utah, Vermont, and Wyoming.

For the five States and the District of Columbia which were not participants in the VSCP in 1981, NCHS coded all the demographic data and all or part of the cause-of-death data.

Population Bases for Computing Rates:

The population used for computing rates shown in this report (furnished by the U.S. Bureau of the Census) represents the population residing in the specified area.¹ Death rates for 1981 are based on populations estimated as of July 1, 1981.² The estimates are based on the 1980 census count. The 1980 census

counts by race were modified to be consistent with Office of Management and Budget categories and historical categories for mortality data. The modification procedures are discussed in detail in a Census Bureau report.²

1. U.S. Bureau of the Census: Estimates of the population of the United States, by age, race, and sex: 1980 to 1982. Current Population Reports. Series P-25, No. 929, Washington, U.S. Government Printing Office, 1983.
2. U.S. Bureau of the Census: Preliminary estimates of the population of the United States by age, sex, and race: 1970-1981. Current Population Reports. Series P-25, No. 917. Washington. U.S. Government Printing Office.

SOURCES OF DATA

Death and fetal-death statistics

Mortality statistics for 1979 are again, as for all previous years except 1972, based on information from all death records received by the National Center for Health Statistics (NCHS). The records are furnished by all the States, the District of Columbia, and the independent registration area of New York City. As a result of personnel and budgetary restrictions, mortality statistics for 1972 were based on information obtained from a 50-percent sample of death records instead of from all records. Fetal-death statistics for all years are based upon 100 percent of the records.

Although the United States vital statistics system covers the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and Guam, in this report the term *United States* refers only to the aggregate of the 50 States (including New York City) and the District of Columbia.

Death statistics for Puerto Rico, the Virgin Islands, and Guam were not included for 1972 but are included in section 8 of the reports for each of the years 1973-78 and in section 9 for 1979. The Virgin Islands was admitted to the "registration area" for deaths in 1924; Puerto Rico, in 1932; and Guam, in 1970. Tabulations for Puerto Rico and the Virgin Islands have been regularly shown in the annual volumes from the year of their admission through 1971 except for the years 1967 through 1969. Tabulations for Guam have been included for 1970 and 1971. Information for 1972 for these three areas is 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.

Another change from procedures for prior years, begun for 1971 and continued for 1972 through 1979, is that tabulations of deaths are based on information from two sources. Before 1971, tabulations of deaths and fetal deaths were based solely on information obtained from copies of the original certificates. The information from these copies was edited, classified, and tabulated. For 1960 and for each year thereafter through 1970, all mortality information taken from these records has been transferred by NCHS to magnetic tape for computer processing.

Beginning with 1971, an increasing number of States have provided NCHS with computer tapes of data coded according to NCHS specifications and provided to NCHS through the Vital Statistics

Cooperative Program. The year in which use of State-coded demographic data was begun is shown below for New York City, Puerto Rico, and each of the 42 States now furnishing demographic data.

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

For the remaining eight States, the District of Columbia, the Virgin Islands, and Guam, mortality

SECTION 7 - TECHNICAL APPENDIX - PAGE 2

statistics for 1979 are based on information obtained directly from copies of the original certificates received from the registration offices.

Medical data, coded by the States according to NCHS specifications, have been used by NCHS since 1974 for two States (Iowa and Michigan); and since 1975 for five additional States (Louisiana, Nebraska, North Carolina, Virginia, and Wisconsin).

Fetal-death data are obtained directly from copies of original reports of fetal deaths received by NCHS.

Standard certificates and reports

The standard certificate of death and the standard report of fetal death, issued by the Public Health

Service, have served for many years as the principal means of attaining uniformity in the content of the documents used to collect information on these events. They have been modified in each State to the extent necessitated by the particular needs of the State or by special provisions of the State vital statistics law. However, the certificates or reports of most States conform closely in content and arrangement to the standards.

The first issue of the Standard Certificate of Death appeared shortly before the formation of the registration area. Since then, it has been revised periodically by the national vital statistics agency through consultation with State health officers and registrars; Federal agencies concerned with vital statis-

FIGURE 7-A.

PHYSICIAN, MEDICAL EXAMINER OR CORONER
U.S. STANDARD
CERTIFICATE OF DEATH

Form Approved
OMB No. 6BR 1901

LOCAL FILE NUMBER _____ STATE FILE NUMBER _____

1 DECEDENT-NAME FIRST MIDDLE LAST		2 SEX		3 DATE OF DEATH (Mo., Day, Yr.)	
4 RACE—(e.g., White, Black, American Indian, etc.) (Specify)		5a AGE—Last Birthday (Yrs.)		6 DATE OF BIRTH (Mo., Day, Yr.)	
7a CITY, TOWN OR LOCATION OF DEATH		7b HOSPITAL OR OTHER INSTITUTION—(Name if not in other, give street and number)		7c COUNTY OF DEATH	
8 STATE OF BIRTH (If not in U.S. a name country)		9 CITIZEN OF WHAT COUNTRY		10 MARRIED NEVER MARRIED, WIDOWED, DIVORCED (Specify)	
11 SOCIAL SECURITY NUMBER		12 USUAL OCCUPATION (Give kind of work done during most of work and last year if retired)		13 KIND OF BUSINESS OR INDUSTRY	
14a RESIDENCE-STATE		14b COUNTY		14c CITY, TOWN OR LOCATION	
15a FATHER-NAME FIRST MIDDLE LAST		15b MOTHER-MAIDEN NAME FIRST MIDDLE LAST		15c STREET AND NUMBER	
16a INFORMANT-NAME (Type or Print)		16b MAILING ADDRESS		16c CITY OR TOWN STATE ZIP	
17a BURIAL, CREMATION, REMOVAL, OTHER (Specify)		17b CEMETERY OR CREMATORY-NAME		17c LOCATION CITY OR TOWN STATE	
18a FUNERAL SERVICE LICENSEE Or Person Acting As Such (Specify)		18b NAME OF FACILITY		18c ADDRESS OF FACILITY	
19a 21a To the best of my knowledge death occurred at the time, date and place and due to the causal stated		19b DATE SIGNED (Mo., Day, Yr.)		19c HOUR OF DEATH	
20a 22a On the basis of examination and investigation in my opinion death occurred at the time, date and place and due to the causal stated		20b DATE SIGNED (Mo., Day, Yr.)		20c HOUR OF DEATH	
21b NAME OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (Type or Print)		22b PRONOUNCED DEAD (Mo., Day, Yr.)		22c PRONOUNCED DEAD (Hour)	
21c NAME AND ADDRESS OF CERTIFIER (Physician, Medical Examiner or Coroner) (Type or Print)		22d ON		22e AT	
23 REGISTRAR		24a		24b DATE RECEIVED BY REGISTRAR (Mo., Day, Yr.)	
25 IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR I, II, AND III)					
PART I		1a DUE TO OR AS A CONSEQUENCE OF		Internal between onset and death	
PART II		1b DUE TO OR AS A CONSEQUENCE OF		Internal between onset and death	
PART III		OTHER SIGNIFICANT CONDITIONS (Conditions contributing to death but not related to causal chain in PART I, II)		Internal between onset and death	
26a ACC SUICIDE HON UNDET OR PENDING INVEST		26b DATE OF INJURY (Mo., Day, Yr.)		26c HOUR OF INJURY	
27a INJURY AT WORK (Specify time of day)		27b PLACE OF INJURY (At home, farm, street, factory, office, building, etc. (Specify))		27c DESCRIBE HOW INJURY OCCURRED	
28a		28b		28c	
29a		29b		29c	
30a		30b		30c	

TYPE OR PRINT IN PERMANENT INK FOR INSTRUCTIONS SEE HANDBOOK
 IF DEATH OCCURRED IN INSTITUTION SEE HANDBOOK REGARDING COMPLETION OF RESIDENCE ITEMS
 TO BE COMPLETED BY CERTIFYING PHYSICIAN ONLY
 TO BE COMPLETED BY REGISTRAR ONLY
 CONDITIONS IF ANY WHICH CAUSE RISE TO MEDICAL INVESTIGATION USE LAST
 DISTRICT OF COLUMBIA, PUBLIC HEALTH SERVICE NATIONAL CENTER FOR VITAL STATISTICS 1978 REVISION
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tics; national, State, and county medical societies; and others working in such fields as public health, social welfare, demography, and insurance. This revision procedure has assured careful evaluation of each item in terms of its current and future usefulness for registration, identification, legal, medical, and research purposes. New items have been added when necessary, and old items have been modified to ensure better reporting, or in some cases have been dropped when their usefulness appeared to be limited.

New revisions of the standard certificate of death and report of fetal death were recommended for State use beginning January 1, 1978. The Standard Certificate of Death and Report of Fetal Death are shown in figures 7-A and 7-B. The certificate of death shown in figure 7-A is for use by either a physician or a medical examiner or a coroner. Two other forms of

the Standard Certificate of Death are available; they are similar to the one shown except that the section on certification is designed for the physician's signature on one while the other is designed for the medical examiner's or coroner's signature.

Among the changes in the new revision is the addition of (1) an item asking "If Hosp. or Inst., Indicate DOA, OP/Emer. Rm., Inpatient" and (2) an item "Was Decedent Ever in U.S. Armed Forces?" which was previously on the certificate but was deleted during 1968-77. An item on whether autopsy findings were considered for determining cause of death was dropped.

HISTORY

The first death statistics published by the Federal Government concerned events in 1850 and included

FIGURE 7-B.

Form Approved
OMB No. 68R 1901

U.S. STANDARD
REPORT OF FETAL DEATH

STATE FILE NUMBER

TYPE OR PRINT IN PERMANENT INK SEE HANDBOOK FOR INSTRUCTIONS	1a HOSPITAL-NAME // not to exceed 40 characters and numbers		1b CITY, TOWN OR LOCATION OF DELIVERY		1c COUNTY OF DELIVERY			
	2a DATE OF DELIVERY (Month Day Year)		2b HOUR OF DELIVERY		2c SEX OF FETUS			
MOTHER	5a MOTHER-MAIDEN NAME FIRST MIDDLE LAST			5b AGE (at time of this delivery)		5c RESIDENCE-STATE COUNTY		
	6a CITY, TOWN OR LOCATION		6b STREET AND NUMBER		6c INSIDE CITY LIMITS (Specify 1 or 2 or 3)		6d PREGNANCY HISTORY (Complete each section)	
	7a RACE - Is it White, Black, American Indian, etc? (Specify)		7b EDUCATION (Specify units, highest grade completed) (Elementary or Secondary (10-12) College (13 or 5+))		7c DATE LAST NORMAL MENSTRUATION BEGAN (Month Day Year)		7d IS MOTHER MARRIED? (Specify yes or no)	
	7e MONTH OF PREGNANCY PRENATAL CARE BEGAN (First visit, etc. (Specify))		7f PRENATAL VISITS Total number (If none, so state)		7g THIS BIRTH - Same birth (Indicate etc. (Specify))		7h IF NOT SINGLE BIRTH - Same birth (Indicate etc. (Specify))	
FATHER	8a FATHER-NAME FIRST MIDDLE LAST			8b AGE (at time of this delivery)		8c RACE - Is it White, Black, American Indian, etc? (Specify)		
	8d EDUCATION (Specify units, highest grade completed) (Elementary or Secondary (10-12) College (13 or 5+))			8e DATE OF LAST LIVE BIRTH (Month Year)		8f DATE OF LAST OTHER TERMINATION (See note below) (Month Year)		
CAUSE OF FETAL DEATH	15 PART I IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR M, B, AND M+)						Specify Fetal or Maternal	
	16a DUE TO OR AS A CONSEQUENCE OF						Specify Fetal or Maternal	
	16b DUE TO, OR AS A CONSEQUENCE OF						Specify Fetal or Maternal	
	16c							
FETAL DEATHS	17 PART II OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER (Conditions contributing to fetal death but not related to cause given in 15)				18 FETUS DIED BEFORE LABOR DURING LABOR OR DELIVERY (WorkDown)		19 PHYSICIAN'S ESTIMATE OF GESTATION (Weeks)	
	20 COMPLICATIONS OF PREGNANCY				21 COMPLICATIONS OF LABOR AND/OR DELIVERY			
	22 CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY				23 CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS			
	24 NAME OF PHYSICIAN OR ATTENDANT (Type of doctor)				25 NAME OF PERSON COMPLETING REPORT (Type of person)			
26				27				
28				29				

TITLE

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the entire United States. These statistics were based on information collected during the decennial census of that year. Similar decennial collections were made by census enumerators at each census up to and including the census of 1900, but because of the time interval between the occurrence of a death and census enumeration, these reports were inaccurate and incomplete.

In 1880 the U.S. Bureau of the Census established a national "registration area" for deaths. This original area consisted of two States—Massachusetts and New Jersey—the District of Columbia, and several large cities having efficient systems for death registrations. By 1900, eight other States had been admitted to the death-registration area. For 1880, 1890, and 1900, mortality data were received from the States and cities included in this expanding area, but the figures for the entire country were still compiled from the reports of census enumerators.

Beginning with 1900, mortality statistics were collected annually for the death-registration area. In 1902 the U.S. Bureau of the Census, which had previously functioned only in census years, was made a permanent agency by an act of Congress. This act authorized the Director of the U.S. Bureau of the Census to obtain annually copies of records filed in the vital statistics offices of States and cities having adequate death-registration systems. At that time not all States had enacted laws requiring death registrations, and in many States the existing laws were poorly enforced. The growth of the registration area is indicated in table 7-1.

The death-registration area for 1900 consisted of 10 States, the District of Columbia, and a number of cities located in nonregistration States. In 1900 the registration area included 40.5 percent of the population of the continental United States. The original registration area was predominantly urban and was characterized by a high proportion of white persons. If the reporting cities located in nonregistration States are excluded, the population coverage of the death-registration States is much lower, only 26.2 percent of the total population of the United States.

Statistics of fetal deaths (the term "stillbirth" was used for many years) were first published for the birth-registration area in 1918. However, they were not included in the reports issued for the succeeding 3 years. Beginning with 1922, statistics of fetal deaths have been published each year for the birth-registration area.

Table 7-1 presents for each year through 1932 the estimated midyear population of the United States and the estimated midyear population of the birth- and death-registration States. Both registration areas included the entire United States for the first time in 1933.

Before 1940 most of the national mortality

tabulations published by the U.S. Bureau of the Census were based on data collected from the registration areas. However, beginning with 1940 all published material given in statistical series for the United States before the death-registration area was completed omits data for registration cities located in nonregistration States and includes only statistics for the registration States. This change decreases the mortality statistics coverage of the United States by excluding cities in nonregistration States, but it has advantages in that more reliable population estimates are available for the registration States than for smaller registration areas.

Rates for the expanding group of death-registration States are approximations of rates for the entire Nation, and general comparisons over a long period of time can be made. More exact trends for parts of the United States can be secured by using some constant area such as the original registration States or the registration States in 1920.

CLASSIFICATION OF DATA

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

The general rules used in the classification of geographic and personal items for deaths and fetal deaths are set forth in two NCHS instruction manuals.^{1,2}

Following is a discussion of the classification of certain important items.

Classification by occurrence and residence

Tabulations for the United States and specified geographic areas in this report are by place of residence unless stated as by place of occurrence. Before 1970, resident mortality statistics for the United States included all deaths occurring in the United States, with deaths of "nonresidents of the United States" assigned to place of death. "Deaths of nonresidents of the United States" refer to deaths that occur in the United States of nonresident aliens, nationals residing abroad, and residents of Puerto Rico, the Virgin Islands, Guam, and other possessions of the United States. Beginning with 1970, deaths of

nonresidents of the United States are not included in tables by place of residence.

Tables by place of occurrence, on the other hand, include both deaths of residents and nonresidents of the United States. Consequently, for each year during 1970-79, the total number of deaths in the United States by place of occurrence is somewhat greater than the total by place of residence. For 1979 this difference amounts to 2,935 deaths.

Mortality statistics by place of occurrence are shown in tables 1-10, 1-18, 1-19, 1-28, 1-29, 1-30, 3-1, 3-8, 8-1, and 8-7.

Before 1970, except for 1964 and 1965, deaths of nonresidents of the United States occurring in the United States have been 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 show 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.³

A comparison of the results of this study of deaths with those for a previous matched record study of births⁴ shows that considerable improvement in the quality of residence data had taken place since 1950. The results were the same—an overstatement of events in urban areas by NCHS compared with the U.S. Bureau of the Census classification. The magnitude of the difference was substantially less for deaths in 1960 than it was for births in 1950. Two factors contribute to this difference in magnitude. The first factor is an item that was added to the Standard Certificate of Death in 1956, asking if residence is inside or outside city limits. This new item aided in properly allocating the residence of persons living near cities but outside the corporate limits. The second factor is that there is more likelihood of movement for hospital utilization for births than for deaths.

Geographic classification

The rules followed in the classification of geographic areas for deaths and fetal deaths are contained in the two instruction manuals referred to previously.

The geographic codes assigned by the National Center for Health Statistics during data reduction of source information on birth, death, and fetal-death records are given in another instruction manual.⁵

Standard metropolitan statistical areas.—Except in the New England States, a standard metropolitan

statistical area (SMSA) is a county or a group of contiguous counties containing at least one city of 50,000 inhabitants or more, or "twin cities" with a combined population of at least 50,000 in the 1970 census. In addition to the county or counties containing such a city or cities, contiguous counties are included in an SMSA if, according to specified criteria, they are essentially metropolitan in character and are socially and economically integrated with the central city or cities.⁶

In New England the U.S. Office of Management and Budget uses towns and cities rather than counties as geographic components of SMSA's. The National Center for Health Statistics cannot use the SMSA classification for these States because its data are not coded to identify all towns. Instead, NCHS uses the metropolitan State economic area (MSEA) made up of county units, as established by the U.S. Bureau of the Census.⁷

For tables 8-4 and 8-8 in this report, the SMSA's and their component counties are those established by the U.S. Office of Management and Budget as of 1970 (except in the New England States) and used by the U.S. Bureau of the Census.

Tables 1-17 and 2-9, however, are limited to the 50 largest SMSA's and MSEA's (in the New England States), established by the Office of Federal Statistical Policy and Standards for 1979. These 50 largest units for 1979 are the same as those for 1978.

The list of 50 largest units for 1979 differs from the list for 1970. Moreover, the county components for some of the SMSA's and MSEA's that appear on both lists are different for 1979 from the components for 1970.

As a result, sometimes the number of deaths shown for the same-named SMSA or MSEA in tables 8-4 and 8-8 based on units established for 1970 will differ from the number of deaths shown in tables 1-17 and 2-9 based on units established for 1979.

Standard consolidated areas.—For the metropolitan complexes around New York and Chicago, several contiguous SMSA's and additional counties that do not appear to meet the formal integration criteria for SMSA's, but do have strong interrelationships of other kinds have been combined into the New York-Northeastern New Jersey and the Chicago-Northwestern Indiana Standard Consolidated Areas.⁶

Metropolitan and nonmetropolitan counties.—Counties included in SMSA's or in New England MSEA's for 1970 are called metropolitan counties; all other counties are classified as nonmetropolitan.

Population-size groups (formerly "urban" and "rural" areas).—Vital statistics data for cities and certain other urban places in 1979 are classified according to the population enumerated in the 1970 Census of Population. In this report "Population-size groups" refer to two groups. "Urban places" and

"Balance of area." "Urban places" consist of the following places:

1. Each incorporated city and other urban places of 10,000 inhabitants or more.
2. Each town in New England and each township in 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 1,500 persons or more per square mile.
3. Each county in States other than the New England States, New Jersey, and Pennsylvania that had no incorporated municipality within its boundary and had a density of 1,500 persons or more per square mile. (Arlington County, Virginia, is the only county classified as urban under this rule.)

"Balance of area" consists of all other places.

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

State or country of birth

Mortality statistics by State or country of birth (table 1-32) are published in 1979. State or country of birth of a decedent is assigned to 1 of 50 States or the District of Columbia; or to the territorial possessions of Puerto Rico, the Virgin Islands, or Guam—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 1979, about 0.5 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. The 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 record is the age at last birthday. With respect to the computation of death rates, the age classification used by the U.S. Bureau of the Census is also based on the age of the person in completed years.

For computation of age-specific death rates, deaths with age not stated are excluded. For life

table computation, deaths with age not stated are distributed proportionately.

Race

For vital statistics in the United States in 1979, deaths are classified by race—white, black, Indian, Chinese, Japanese, Filipino, other Asian or Pacific Islander, and other races. This is the first time mortality data for Filipino and other Asian or Pacific Islander have appeared in this report.

The white category includes, in addition to persons reported as white, those reported as Mexican, Puerto Rican, Cuban, and all other Caucasians. The Indian category includes American, Alaskan, Canadian, Eskimo, and Aleut. If the racial entry on the death certificate indicates a mixture of Hawaiian and any other race, the entry is coded to Hawaiian. If the race is given as a mixture of white and any other race, the entry is coded to the appropriate other race. If a mixture of races other than white is given (except Hawaiian), the entry is coded to the first race listed. This procedure for coding the first race listed has been in use for the period 1969-79. Before 1969 if the entry for race was a mixture of black and any other race except Hawaiian, the entry was coded to black.

Most of the tables in this report, however, do not show data for this extended classification by race. In about half of all the tables the divisions are white, all other (including black), and black separately. In other tables by race, where the main purpose is to isolate the major groups, the classifications are simply white and all other.

Race not stated.—For 1979 the number of death records for which the race was not stated was 1,311, or 0.1 percent of the total deaths. Death records with race entry not stated were assigned to a racial designation as follows: If the preceding record were coded white, the code assignment is made to white; if the code is other than white, the assignment is made to black. Before 1964 all records with race not stated were assigned to white except records of residents of New Jersey for 1962-64.

New Jersey, 1962-64.—New Jersey omitted the race item from its certificates of live birth, death, and fetal death in use 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 or color for 1962 and 1963 exclude New Jersey. For 1964, 6.8 percent of the death records in use for residents of New Jersey did not contain the race item.

Adjustments made in vital statistics to take into account 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.

Marital status

Mortality statistics by marital status (table 1-31) are published in this report for the first time since 1961. Previously they had been published in the annual reports for the years 1949-51 and 1959-61. Several reports specifically analyzing mortality by marital status have been published including the special study based on 1959-61 data.⁸ Reference to earlier reports may be found in the appendix of part B of this special study.

Mortality statistics by marital status are tabulated separately for never married, married, widowed, and divorced. Certificates in which the marriage was specified as being annulled are classified as never married. Where marital status was specified as separated or common-law marriage, it was classified as married. Of the 1,848,270 resident deaths 15 years of age and over, 8,383 (0.5 percent) certificates had marital status not stated.

Place of death and status of decedent

For the first time since 1958, mortality data for 1979 are shown by place of death (tables 1-28 and 1-29). In addition, mortality data are shown for the first time for the status of decedent when death occurred in a hospital or medical center (table 1-28). These data were obtained from the following two items that appear on the U.S. Standard Certificate of Death:

Item 7c) Hospital or other institution—
Name (if not in either, give street
and number)

Item 7d) If hosp. or inst. Indicate DOA,
OP/Emer. Rm., Inpatient (Specify)

All of the States and the District of Columbia have item 7c (or its equivalent) on the death certificate. For the 42 States in the Vital Statistics Cooperative Program (VSCP), NCHS accepts the State definition, classification, or codes for hospitals, medical centers, or other institutions. For the remaining eight States and the District of Columbia not in the VSCP, NCHS classifies and codes to a hospital or medical center according to whether the terms "hospital" or "medical center" are entered as part of the name in item 7c or its equivalent. If the terms "hospital" or "medical center" are not entered as part of the name, then the entry is coded appropriately to one of the following: (1) other institutions, (2) all other reported entries, or (3) unknown, not stated.

Table 1-28 shows mortality data for the total of the following 39 States that have item 7d or its equivalent on their death certificates:

Alaska	New Hampshire
Arizona	New Jersey
Arkansas	New Mexico
Colorado	New York
Florida	North Carolina
Georgia	North Dakota
Hawaii	Ohio
Idaho	Oregon
Illinois	Pennsylvania
Indiana	Rhode Island
Iowa	South Carolina
Kansas	South Dakota
Kentucky	Tennessee
Maine	Utah
Michigan	Vermont
Mississippi	Virginia
Missouri	West Virginia
Montana	Wisconsin
Nebraska	Wyoming
Nevada	

Mortality by month and date of death

Deaths by month have been regularly tabulated and published in the annual report for each year beginning with data year 1900. For 1979, deaths by month are shown in this report in tables 1-19, 1-20, 1-23, 1-30, 2-11, 2-12, 2-13, and 3-9.

The year 1972 was the first data year for which date of death was published (table 1-30). Unpublished data for selected causes by date of death for 1962 are available in NCHS.

Number of deaths by date of death in this report are shown for 1979 for the total number of deaths and for the number of deaths for the following three causes, for which the greatest general interest in date of occurrence of death has been expressed: Motor vehicle accidents, Suicide, and Homicide and legal intervention.

These data in table 1-30 show the frequency distribution of deaths for the 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

Before 1972, the year 1958 was the last year for which autopsy data were tabulated. For 1972-79 all registration areas requested information on the death certificate as to whether autopsies were performed.

For 1979 autopsies were reported on 294,182 death certificates (15.4 percent of the total, table 1-26).

Information as to whether the autopsy findings were used in determining the causes of death were tabulated for 1972-77 for all but eight or nine registration areas. The item "autopsy findings used" was deleted from the 1978 Standard Certificate of Death.

For eight of the cause-of-death categories shown in table 1-27, autopsies were reported as performed for 50 percent or more of all deaths (Shigellosis and amebiasis; Whooping cough; Meningococcal infection; Acute poliomyelitis; Pregnancy with abortive outcome; Other complications of pregnancy, childbirth, and the puerperium; Homicide and legal intervention; and All other external causes).

There were eight other categories for which 40 percent or more death certificates reported autopsies. Autopsies were reported for 9.4 percent of the Major cardiovascular diseases. Among all causes other than the major cardiovascular group, autopsies were reported for 21.3 percent of all deaths.

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."⁹ For a given death the underlying cause is selected from an array of conditions given in the cause-of-death section on the death certificate. These conditions are translated into medical codes through use of the classification structure and 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 guide the coder in systematically identifying the underlying cause of death in terms of the format of reported conditions and their causal relationship. Modification rules are intended to improve the usefulness of mortality statistics by giving preference to certain classification categories over others and/or to consolidate two or more conditions on the certificate into a single classification category.

As a statistical datum, the underlying cause of death is a simple, one dimensional statistic, which is conceptually easy to understand, and is 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 chain of events leading to death from starting. The rules for coding underlying causes of death are included with the ICD as a means of stand-

ardizing classification which contributes toward uniformity in mortality medical statistics among countries.

Beginning with data year 1979 the cause-of-death statistics published by the National Center for Health Statistics have been classified in accordance with the 1975 *Revision of the International Classification of Diseases (ICD-9)*.⁹ In addition to specifying that the Classification be used, WHO—in an effort to promote international comparability—recommended a basic list for tabulation of mortality data. This is in contrast to the several special lists recommended by WHO for use under the Eighth Revision. The system recommended under the Ninth Revision is more flexible, allowing for the construction of tabulation lists from the rubrics of a basic list. The recommended Basic Tabulation List (BTL) under the Ninth Revision consists of 57 two-digit rubrics that add to the "all causes" total. Within each two-digit rubric, up to 9 three-digit rubrics numbered from 0 to 8 are identified, but these do *not* add to the total of the two-digit rubric. The residual of each two-digit rubric, the difference between the two-digit total and the sum of its three-digit rubrics, is given the number 9. The WHO Mortality List, a subset of the titles contained in the BTL, consists of 50 rubrics, which are a minimum for the national display of mortality data. The two-digit rubrics of the BTL 01 through 46 provide for the tabulation of non-violent deaths to ICD categories 001-799. Rubrics relating to chapter 17 (nature-of-injury causes 47 through 56) are not used by NCHS; rather, preference is given to rubrics E47 through E56. The 57th two-digit rubric VO is the Supplementary Classification of Factors Influencing Health Status and Contact with Health Services and is not appropriate for the tabulation of mortality data.

Five cause lists have been developed for tabulation and publication of mortality data by NCHS: The Each-Cause List, List of 282 Selected Causes, List of 72 Selected Causes, List of 61 Selected Causes of Infant Death, and the List of 34 Selected Causes. These lists were designed to be as comparable as possible to the NCHS lists more recently in use under the Eighth Revision. However, in several instances, comparability could not be achieved. The Each-Cause List is made up of each three-digit category of the WHO Detailed List and each four-digit subcategory to which deaths may be validly assigned. The list is used for tabulation for the entire United States. The published each-cause table does not show the four-digit subcategories provided for Motor vehicle accidents (E810-E825); however, these subcategories, which identify persons injured, are shown in the accident tables of this report (section 5). An unpublished each-cause table includes these subcategories. Special fifth-digit subcategories are

also used in the accident section to identify place of accident when deaths from nontransport accidents are shown. These are not shown in the each-cause table.

The List of 282 Selected Causes of Death is constructed from BTL rubrics 01-46 and E47-E56. Each of the 56 BTL titles can be obtained either directly or by combining titles in the List. At the three-digit level, however, the BTL is modified more extensively. For some causes more detail was desired and new three-digit rubrics have been added to the list. Where less detail was needed, three-digit rubrics were combined. Moreover, each of the 50 rubrics of the WHO Mortality List can be obtained from the List of 282 Selected Causes of Death. The List is used in tables published for the United States and each State.

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

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

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

Effect of decennial list revisions.—The International Lists, in use in this country since 1900, have been revised decennially so that the disease classification may be consistent with advances in medical science and with changes in diagnostic practice. Each decennial revision of the International Lists has produced some break in comparability of cause-of-death 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.¹⁰ Dunn and Shackley measured the change in mortality statistics by cause due to the Fifth Revision.¹¹

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.

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 is shown in figure 7-A. It is designed to facilitate the selection of the underlying cause of death when two or more causes are recorded. In general, if the certification is completed properly, the underlying cause of death entered by the physician is the cause to be tabulated. This procedure, used in the United States beginning with deaths in 1949, differs 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 Revisions.—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.^{12,13}

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 addendum¹⁴ were integrated into the manual.¹⁵ 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 I, 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 I 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."¹⁶

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)*¹⁷ which was based on the 1965 Revision of the International Classification of Diseases (ICD).¹⁸ 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 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 diseases (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 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—Cause of death statistics beginning with 1979 are classified by NCHS in accordance

with the Ninth Revision.⁹ In the Ninth Revision, as in the Eighth Revision, the Classification is arranged in 17 main sections or chapters. The first chapter deals with diseases caused by well-defined infectious and parasitic agents. The next two chapters deal with categories for Neoplasms and for Endocrine, nutritional and metabolic diseases and immunity disorders. Most of the remaining chapters are 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, represents 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 has been dropped. In the Ninth Revision the E code is a supplementary classification. For underlying cause of death, where both an E code and another code are applicable, the E code is still used when the other code is from chapter XVII. When the other code is from chapters I-XVI that code and not the E code is used.

In many ways, the Ninth and the Eighth Revisions are similar. The essential basis of the Eighth Revision was retained as much as possible.¹⁹ 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, are 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 as-

sumed 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.

The code span for tuberculosis included late effects under the Eighth Revision but not under the Ninth; pleural effusion was assumed to be tuberculous under the Eighth Revision but not under the Ninth; and erysipelas was combined with streptococcal sore throat and scarlatina but was excluded from the most nearly comparable Eighth Revision cause.

In the Eighth Revision, deaths from serum hepatitis went to the condition being treated, if known. Otherwise they were assigned to an E code, usually to Complications and misadventures in other and unspecified therapeutic procedures in infusion and transfusion (ICDA No. E931.2). Under the Ninth Revision, because serum hepatitis does not have a code in chapter XVII, deaths attributed to this cause are assigned to Viral hepatitis B without mention of hepatic coma (ICD No. 070.3).

Deaths from Septicemia (ICDA No. 038) that occurred among the newborn were transferred in the Ninth Revision from chapter I to chapter XV—Certain conditions originating in the perinatal period or, more specifically, to Other infection specific to the perinatal period (ICD No. 771.8).

II. Neoplasms.—A new section, Neoplasms of uncertain behavior (ICD Nos. 235-238), has been added to this chapter. Among the conditions transferred to this new section are some of the conditions under the Eighth Revision title Polycythemia vera (ICDA No. 208) and Myelofibrosis (ICDA No. 209).

III. Endocrine, nutritional, and metabolic diseases and immunity disorders.—A new title—Disorders of fluid, electrolyte and acid-base balance (ICD No. 276)—has been added to this chapter. Most of these conditions were previously assigned to chapter XVI, Symptoms and ill-defined conditions, but were not coded as the underlying cause of death because conditions in this chapter were not coded if another codable condition was entered on the certificate.

VII. Diseases of the circulatory system.—In the Eighth Revision, mitral and aortic incompetence,

insufficiency, regurgitation, and stenosis were assumed to be rheumatic unless stated to be non-rheumatic or due to another condition that would cause a valvular heart disease. According to the Ninth Revision the conditions described by these terms are assumed to be nonrheumatic unless specified as rheumatic or due to a rheumatic heart disease, with one exception—mitral stenosis. The condition described by this term is assumed, as for the Eighth Revision, to be rheumatic.

In the Ninth Revision there is no separate category for malignant hypertension. The new fourth digits for Hypertensive disease (ICD Nos. 401-404) indicate whether the hypertensive disease was specified as malignant, benign, or not specified as malignant or benign. The Eighth Revision fourth digits denoting the presence of hypertension in ischemic heart and cerebrovascular diseases no longer exist, making it impossible to show hypertension with these conditions for underlying cause tabulations. According to the Ninth Revision, Cardiovascular disease, unspecified (ICD No. 429.2) has been separated from Ischemic heart disease (ICD Nos. 410-414).

Diseases of pulmonary circulation have been brought together in a new group—Diseases of pulmonary circulation (ICD Nos. 415-417). These pulmonary diseases have been separated from those in the group title Diseases of veins and lymphatics, and other diseases of circulatory system (ICD Nos. 451-459).

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 have been added for respiratory conditions including Pneumonitis due to solids and liquids (ICD No. 507); and Chronic airways obstruction, not elsewhere classified (ICD No. 496). Most of the deaths assigned by the new Ninth Revision title Pneumonitis due to solids and liquids (ICD No. 507) were transferred from the Eighth Revision title Pneumonia, unspecified (ICDA No. 486), more particularly from aspiration pneumonia, which was an inclusion term under ICDA No. 486.

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, have been transferred to the new Ninth Revision title Chronic airways obstruction, not elsewhere classified (ICD No. 496).

There was a change in the linkage provision that affects the coding of diseases of the respiratory

system. In the Eighth Revision, asthma linked with bronchitis and emphysema. The Ninth Revision does not provide this linkage.

The Ninth Revision title Bronchiectasis (ICD No. 494) has been placed in the section Chronic obstructive pulmonary disease and allied conditions (ICD Nos. 490-496). According to the Eighth Revision Bronchiectasis (ICDA No. 518) was a title included in the group Other diseases of respiratory system (ICDA Nos. 510-519).

IX. Diseases of the digestive system.—The instruction in the Eighth Revision was to code ulcer, site unspecified, and peptic ulcer, site unspecified, reported due to, with, or causing gastrointestinal hemorrhage to gastrointestinal ulcer which was an inclusion term under ICDA No. 534. This instruction was changed for the Ninth Revision to provide that these conditions be coded to Peptic ulcer (ICD No. 533).

Another change involved the transfer of an inclusion term, congenital diaphragmatic hernia, under Diaphragmatic (ICDA No. 551.3), a subtitle under Other hernia of abdominal cavity without mention of obstruction (ICDA No. 551) to Anomalies of diaphragm (ICD No. 756.6).

X. Diseases of the genitourinary system.—Several changes occurred in this chapter between the Eighth and Ninth Revisions. Acute renal failure deaths were transferred from Acute nephritis (ICDA No. 580) to the new Ninth Revision title Acute renal failure (ICD No. 584). Deaths from chronic renal failure were transferred from Chronic nephritis (ICDA No. 582) to the new Ninth Revision title Chronic renal failure (ICD No. 585). In addition, the following reassignments occurred: (1) Renal failure, NOS, from Other renal disease (ICDA No. 593.2) to the new Ninth Revision title Renal failure, unspecified (ICD No. 586); (2) Uremia (ICDA No. 792) to the new title Chronic renal failure (ICD No. 585), and to Renal failure, unspecified (ICD No. 586); and (3) Acute tubular nephrosis (ICDA No. 593.1) to the new Ninth Revision title Acute renal failure, with lesion of tubular necrosis (ICD No. 584.5).

XI. Complications of pregnancy, childbirth, and the puerperium.—The most nearly comparable Eighth Revision title to the Ninth Revision title Pregnancy with abortive outcome (ICD Nos. 630-638) is Abortions (ICDA Nos. 640-645). A major change is that deaths from Ectopic pregnancy (ICDA No. 631) have been transferred from Complications of pregnancy (ICDA Nos. 630-634) to Pregnancy with abortive outcome (ICD Nos. 630-638).

XV. Certain conditions originating in the perinatal period.—This chapter was extensively revised, includ-

ing the change in title. In the Eighth Revision the comparable title was Certain causes of perinatal morbidity and mortality. Conditions that were classifiable to other chapters according to the Eighth Revision are now included in this chapter if they arise during the perinatal period.

Some of the conditions that were previously classified by the Eighth Revision to Anoxic and hypoxic conditions not elsewhere classifiable (ICDA No. 776) were transferred by the Ninth Revision to Other respiratory conditions of newborn (ICD No. 770). The title Birth trauma (ICD No. 767) of the Ninth Revision does not include all types of intracranial hemorrhage; it excludes intraventricular and subarachnoid hemorrhage.

XVI. Symptoms, signs, and ill-defined conditions.—Many inclusion terms for this chapter were transferred to chapters I-XV. Some of the most important of these transfers were the following: Acute heart failure, undefined (ICDA No. 782.4) to Heart failure, unspecified (ICD No. 428.9); Uremia (ICDA No. 792) to Chronic renal failure (ICD No. 585) and to Renal failure, unspecified (ICD No. 586); Electrolyte disorders (ICDA No. *788.0) to Disorders of fluid, electrolyte and acid-base balance (ICD No. 276) and to Late metabolic acidosis of newborn (ICD No. 775.7); Encephalopathy (ICDA No. 781.7) to Encephalopathy, unspecified (ICD No. 348.3); Pylorospasm (ICDA No. 784.2) to Other (ICD No. 537.8) under Other disorders of stomach and duodenum; Hematemesis (ICDA No. 784.5) to Hematemesis (ICD No. 578.0); Melena (not of newborn) (ICDA No. 785.7) to Melena (ICD No. 578.1); Hematuria (ICDA No. 789.3) to Hematuria (ICD No. 599.7); and Depression (ICDA No. 790.2) to Depressive disorder, not elsewhere classified (ICD No. 311).

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 has been published for the list of 72 causes and the list of 10 infant causes, both of which appear in the *Monthly Vital Statistics Report*.²⁰ The 72-cause list is also a basic list used in this volume.

Coding in 1979.—The National Center for Health Statistics prepares for its cause-of-death coding clerks an instruction manual that contains decisions and interpretations that apply each year. These manuals are revised annually, chiefly to bring coding procedures into alignment with new developments in reporting practices and in medical opinions as to the

etiology and causal relationship of diseases and to eliminate inconsistencies in coding procedures.²¹ Due to implementation of the Ninth Revision substantial coding changes occurred for 1979.

Medical certification.—The use of a standard classification list, although essential for State, regional, and international comparison, does not assure strict comparability of the tabulated figures. A high degree of comparability between areas could be attained only if all records of cause of death were reported with equal accuracy and completeness. The medical certification 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 medical attendant to make the proper diagnosis and by the care with which he or she completes 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 delimited geographic areas. A bibliography, prepared by NCHS, covering 128 references over a period of 23 years indicates that no definitive conclusions have been reached about the quality of medical certification on the death certificate.²² No country has a well defined program for systematically assessing the quality of medical certifications reported on death certificates or for measuring the error effects on the levels and trends of cause-of-death statistics.

One index of the quality of reporting causes of death is the proportion of death certificates coded to the Ninth Revision ICD Nos. 780-796, 798-799, which are the rubrics for Symptoms, signs, and other ill-defined conditions. While there are cases for which it is not possible to determine the causes of death, this proportion indicates the care and consideration given to the certification by attending physicians. It may also be used as a rough measure of the specificity of the medical diagnoses made by the physicians in various areas and, to a small degree, the extent to which autopsies are performed and their findings used in determining the underlying cause of death entered on the death certificate. In 1979, 1.4 percent of all reported deaths in the United States were assigned to ill-defined or unknown causes. However, this percentage varied among the States, from 0.2 percent for Rhode Island to 7.1 percent for Mississippi.

Automated selection of underlying cause of death.—Beginning with data year 1968, NCHS began using a computer system for assigning the underlying cause of death. It has been used every year since then, including 1979, to select the underlying cause of death. The system used is called "Automated Classification of Medical Entities" (ACME).

The ACME system applies the same rules for

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

The ACME computer program requires the coding of all conditions shown on the medical certification. These codes are matched automatically against decision tables that consistently select the underlying cause of death for each record according to international rules. The decision tables provide not only a comprehensive relationship between the conditions classifiable by ICD when applying the rules of selection and modification, but also decisions used when the underlying cause of death is assigned by ACME.

Decision tables were developed by NCHS staff on the basis of their experience at coding underlying causes of death under the earlier manual coding system and as a result of periodic independent validations. These tables are periodically updated to reflect additional new information on the relationship among medical conditions. For 1979, the decision table instruction manual was updated to reflect Ninth Revision codes, and selection and modification rules.²³

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

Maternal deaths

Maternal deaths are those for which the certifying physician has designated a maternal condition as the underlying cause of death. Maternal conditions are those assigned to Complications of pregnancy, childbirth, and the puerperium (ICD Nos. 630-676). In contrast to previous revisions which did not define maternal death, under the Ninth Revision, WHO has defined a maternal death as follows:

"A maternal death is defined as the death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the

duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management but not from accidental or incidental causes."⁹

Under the Eighth Revision, maternal deaths were assigned to category title "Complications of pregnancy, childbirth, and the puerperium" (ICDA Nos. 630-678). While WHO did not define maternal mortality, there was a classification rule which limited a maternal death to a death within a year after termination of pregnancy from any "maternal cause," that is, any cause within the range of ICDA Nos. 630-678. This rule applied only if a duration of time for the condition was given. If no duration was specified and the underlying cause of death was a maternal condition, then the death was coded by NCHS as a maternal death. The change from an under-1-year limitation on duration under the Eighth Revision to an under-42-days limitation is not expected to have much effect on the comparability of maternal mortality statistics. However, comparability is affected by a number of changes under the Ninth Revision, including the expansion of causes considered as maternal. Under the Ninth Revision, Indirect obstetric causes (ICD Nos. 647-648) are included. These causes include infective and parasitic conditions and other current conditions in the mother classifiable elsewhere but complicating pregnancy, childbirth, and the puerperium, such as syphilis, tuberculosis, diabetes mellitus, drug dependence, congenital cardiovascular disorders, and other conditions. For additional discussion of comparability of maternal deaths between the Eighth and Ninth Revisions, see the cause-of-death section.

Fetal deaths

In May 1950 the World Health Organization recommended the adoption for international use of the definition of fetal death as "death prior to the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy; the death is indicated by the fact that after such separation, the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles."²⁴ The term "fetal death" was defined on an all-inclusive basis to end confusion arising from usage of such terms as stillbirth, abortion, and miscarriage.

Shortly thereafter, this definition of fetal death was adopted by the National Center for Health Statistics as the nationally recommended standard. Currently, of the 55 registration areas (including the 50 States, the District of Columbia, New York City, Puerto Rico, the Virgin Islands, and Guam), a total of

40 registration areas use this definition. Of the remaining 15 areas, 14 use a shortened definition, and 1 (Puerto Rico) has no formal definition. (See table A.)²⁵

As another step toward increasing the comparability of data on fetal deaths for different countries, the World Health Organization recommended that in classifying fetal deaths for statistical purposes they be grouped as early, intermediate, and late. These groups are defined as follows:

- Less than 20 completed weeks of gestation
(early fetal deaths) Group I
- 20 completed weeks of gestation but less than
28 (intermediate fetal deaths) Group II
- 28 completed weeks of gestation and over
(late fetal deaths) Group III
- Gestation period not classifiable in groups I, II,
and III. Group IV

Note that in table 3-13, group IV consists of fetal deaths with gestation not stated but presumed to be 20 weeks or more gestation.

Until 1939 the nationally recommended procedure for registration of a fetal death required the filing of both a live-birth and a death certificate. In 1939 a separate Standard Certificate of Stillbirth (fetal death) was created to replace the former procedure. This was revised in 1949, 1955, 1956, and 1968. In 1978 the Standard Certificate of Fetal Death was replaced by the Standard Report of Fetal Death (figure 7-B).

The 1977 revision of the *Model State Vital Statistics Act and Model State Vital Statistics Regulations*,²⁶ implemented in 1978, recommended that spontaneous fetal deaths of 20 weeks or more gestation and all induced terminations of pregnancy regardless of gestational age be reported and further that they be reported on separate forms. These forms are to be considered legally-required statistical reports rather than legal documents.

Because the health implications are different for spontaneous fetal deaths and induced terminations of pregnancy, and because the National Center for Health Statistics began receiving increasing numbers of reports on induced terminations of pregnancy, beginning with 1970 fetal deaths, procedures were implemented that attempted to separate reports on spontaneous fetal deaths from those on induced terminations of pregnancy, based on reported information on each report. These procedures are still in use.

Comparability and completeness of data.—State requirements for registration of fetal deaths vary. Most

of the States require registration of fetal deaths of gestations of 20 weeks or more. Table 3-1 in section 3 shows the minimum period of gestation required by each State for fetal-death registration. There is substantial evidence that not all fetal deaths for which registration is required are reported.²⁷

Underregistration is more of a problem near the lower limit for States having a minimum gestation period requirement. Failure to register fetal deaths near the lower limit results to a large degree from underestimating the gestation period. This is illustrated by the fact that for areas requiring registration of all fetal deaths, the total number reported for 20-23 weeks is higher than the numbers reported for 24-27 and 28-31 weeks. For most of the other areas, however, the opposite is true.

To maximize the comparability of data by year and by State, most of the tables in section 3 are based on fetal deaths occurring at gestations of 20 weeks or more. These tables also include fetal deaths of not stated or unknown gestation for those States requiring registration at 20 weeks or more only. Beginning with 1969, fetal deaths of not stated gestation were excluded for States requiring registration of all products of conception except for those with a stated birth weight of 500 grams or more. In 1979 this rule was applied to the following States: Colorado, Georgia, Hawaii, New York, Rhode Island, and Virginia. Each year there are some exceptions to this procedure. In 1979 Arkansas was one such exception; this State required the reporting of fetal deaths of all periods of gestation in 1979; however, all fetal deaths of not stated gestation were assumed to be of 20 weeks or more gestation.

The data in table 3-3 include only fetal deaths to residents of those areas in the United States which report all periods of gestation. The areas are Arkansas, Colorado, Georgia, Hawaii, New York, Rhode Island, and Virginia. However, Arkansas is excluded from this table because of individual reporting problems explained below. None of these reporting problems, however, should appreciably affect the data for fetal deaths of 20 weeks or more gestation.

In States requiring the reporting of fetal deaths of all periods of gestation, generally at least half of the reported fetal deaths are less than 20 weeks gestation. Only 7.7 percent of all fetal deaths reported for Arkansas in 1979 were of less than 20 weeks gestation. Beginning with data year 1971, Arkansas introduced a form for confidential reporting of abortions. It is believed that most spontaneous fetal deaths of under 20 weeks gestation are reported on this form and not on the report of fetal death. The National Center for Health Statistics only receives fetal-death reports from Arkansas.

Some liveborn infants who die shortly after birth, particularly those born prematurely who die before

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Table A. Areas adopting standard definition of fetal death and reporting all periods of gestation, date last normal menstrual period began (LMP), birth weight in pounds and ounces, pregnancy history, and marital status: Each State, 1978

Area	Standard definition	All periods of gestation	Date last normal menstrual period began (LMP)	Birth weight in pounds and ounces	Pregnancy history	Marital status
Alabama			x		x	x
Alaska	x		x	x		x
Arizona	x		x		x	x
Arkansas	x	¹ x		x		
California	x		x		x	
Colorado	x	x	x			x
Connecticut	x			x		
Delaware				x		x
District of Columbia			x	x		x
Florida	² x		x			x
Georgia	x	x	x			(³)
Hawaii	x	x	x		x	x
Idaho			x	x	x	x
Illinois	x		x	x		x
Indiana			x	x	x	x
Iowa	x		x		x	x
Kansas			x		x	x
Kentucky			x	x	x	x
Louisiana	x		x			x
Maine	x		x		x	x
Maryland	x		x			
Massachusetts	x		x		x	x
Michigan	² x		x		x	
Minnesota	x		x			x
Mississippi	x		x		x	x
Missouri			x		x	x
Montana			x		x	
Nebraska	x		x		x	x
Nevada			x		x	(³)
New Hampshire	x		x	x	x	x
New Jersey	x		x			x
New Mexico	x			x		
New York	x	x	x			
New York City		x	x		x	
North Carolina	x		x			x
North Dakota	x		x		x	x
Ohio	² x		x		x	
Oklahoma	x		x	x		x
Oregon	² x		x		x	x
Pennsylvania				x		x
Rhode Island	x	x	x	x	x	x
South Carolina	x		x		x	x
South Dakota	x				x	x
Tennessee	x		x		x	x
Texas	x					(³)
Utah			x		x	x
Vermont	x		x			
Virginia	x	x				x
Washington	x		x		⁴ x	x
West Virginia	x		x	x		x
Wisconsin	² x				x	x
Wyoming			x		x	x
Puerto Rico				x		x
Virgin Islands	x	x	x			x
Guam	x		x		x	x

¹ Requires the reporting of all periods of gestation; however, those under 20 weeks are not transmitted to NCHS.

² Uses the standard definition but includes either a gestational age or birth weight criteria in the definition.

³ Reports marital status on the Report of Fetal Death but not on the Certificate of Live Birth

⁴ Specifies not to include terminations.

the umbilical cord is severed or while the placenta is still attached, may be erroneously reported as fetal deaths. This type of error may be more of a problem in States lacking a precise definition of fetal deaths.

Georgia.—Beginning with data year 1975, fetal deaths occurring in Georgia are reported only to the State and county level. This affects the figures concerning fetal deaths in tables 3-6, 8-1, and 8-2. In tables 3-6 and 8-2 all fetal deaths occurring in Georgia are assigned to "Balance of area" and not to "Urban places." Consequently, reported fetal deaths and fetal-death ratios for the United States and Georgia for "Urban Areas" are lower than they would be if needed residence information were available for fetal deaths occurring in Georgia. Also, the figures for "Balance of area" are higher than they would be if this same information were available. In table 8-1 all fetal deaths occurring in Georgia are assigned to "Balance of county" and not to specified urban places. Fetal deaths that are assigned to specified urban places are those occurring outside of Georgia to residents of Georgia.

Maine.—Beginning with data year 1978, Maine changed its reporting requirements for spontaneous fetal deaths from "all periods of gestation" to "20 weeks or more." This change affected the tabulation of fetal deaths with not stated gestational age, including trend data in table 3-7. Whereas data for 1974-77 includes fetal deaths of not stated gestational age only if birth weight was stated as 500 grams or more, data in 1978 and 1979 include all fetal deaths of not stated gestational age.

South Dakota.—Beginning in 1979, South Dakota changed its reporting requirements for spontaneous fetal deaths from "20 weeks or more gestation" to a weight of "500 grams or more."

Tennessee.—Beginning in 1979, Tennessee changed its reporting requirements for spontaneous fetal deaths from "20 weeks or more gestation" to "22 weeks or more gestation or a weight of 500 grams or more."

Period of gestation.—The period of gestation is the number of completed weeks elapsed between the first day of the last menstrual period and the date of delivery, irrespective of whether the product of conception was liveborn or born without evidence of life. The first day of the last normal menstrual period (LMP) is used as the initial date since it can be more accurately determined than the date of conception, which usually occurs 2 weeks after LMP. Data on period of gestation are computed from information on "date of delivery" and "date last normal menses began." If "date last normal menses began" is not on the record or the calculated gestation falls beyond a duration considered biologically plausible, "gestation in weeks" or "Physician's estimate of gestation" is used. When the period of gestation is reported in

months on the report, it is allocated to gestation intervals in weeks as follows:

- 1 - 3 months to under 16 weeks
- 4 months to 16 - 19 weeks
- 5 months to 20 - 23 weeks
- 6 months to 24 - 27 weeks
- 7 months to 28 - 31 weeks
- 8 months to 32 - 35 weeks
- 9 months to 40 weeks
- 10 months and over to 43 weeks and over

The areas reporting LMP in 1979 are shown in table A.

Birth weight.—Of the 55 registration areas (including the 50 States, the District of Columbia, New York City, Puerto Rico, the Virgin Islands, and Guam), 26 do not specify how weight should be given; 16 specified that weight should be given in pounds and ounces; 6 specified grams; and the remaining 7 areas specified weight should be given either in pounds and ounces or in grams (see table A).

In tabulating and presenting these data, the metric system (grams) has been used to facilitate comparison with other data published in the United States and internationally. The equivalents of the gram intervals in pounds and ounces are as follows:

Less than 350 grams	=	0 lb	12 oz	or less	
350 - 499 grams	=	0 lb	13 oz	-	1 lb 1 oz
500 - 999 grams	=	1 lb	2 oz	-	2 lb 3 oz
1,000 - 1,499 grams	=	2 lb	4 oz	-	3 lb 4 oz
1,500 - 1,999 grams	=	3 lb	5 oz	-	4 lb 6 oz
2,000 - 2,499 grams	=	4 lb	7 oz	-	5 lb 8 oz
2,500 - 2,999 grams	=	5 lb	9 oz	-	6 lb 9 oz
3,000 - 3,499 grams	=	6 lb	10 oz	-	7 lb 11 oz
3,500 - 3,999 grams	=	7 lb	12 oz	-	8 lb 13 oz
4,000 - 4,499 grams	=	8 lb	14 oz	-	9 lb 14 oz
4,500 - 4,999 grams	=	9 lb	15 oz	-	11 lb 0 oz
5,000 grams or more	=	11 lb	1 oz	or more	

With the introduction of the Ninth Revision, International Classification of Diseases, the birth-weight classification intervals for perinatal mortality statistics were shifted downward by one gram, as shown above. Previously, the intervals were, for example, 1,001-1,500; 1,501-2,000; etc.

Race.—The race of the fetus is ordinarily classified to the race of the parents. If the parents are of different races, the following rules apply: (1) When only one parent is white, the fetus is assigned the other parent's race. (2) When neither parent is white, the fetus is assigned the father's race with one exception: If the mother is Hawaiian or Part-Hawaiian, the fetus is classified as Hawaiian.

When the race of one parent is missing or ill-defined, the race of the other determines that of the fetus. When race of both parents is missing, the

race of the fetus is allocated to the specific race of the fetus on the preceding record.

Total-birth order.—The number of a live birth or a fetal death in the total birth order is the sum of the live births and fetal deaths which a mother has had including the birth being recorded. For example, if a mother has previously given birth to two live babies and to one born dead, the next event to occur, whether a live birth or fetal death, is counted as number four in the total-birth order.

In the 1978 revision of the Standard Report of Fetal Death, total birth order is calculated from four items on pregnancy history: number of previous live births, now living; number of previous live births, now dead; number of other terminations (include both spontaneous fetal deaths and induced terminations of pregnancy) before 20 weeks; and number of other terminations (include both spontaneous fetal deaths and induced terminations) after 20 weeks. Of the 55 registration areas (including the 50 States, the District of Columbia, New York City, Puerto Rico, the Virgin Islands, and Guam), 31 areas have adopted the 4 standard items on pregnancy history as shown in table A.

Eighteen areas have information on the number of previous live births, now living; number of previous live births, now dead; and number of previous fetal deaths any time after conception. Four areas request information on the number of previous live births, now living; number of previous live births, now dead; and number of previous fetal deaths; these areas also specify a gestational age for including information on previous fetal deaths.

Two areas (Colorado and New York State) ask for information on number of previous live births, now living; number of previous live births, now dead; and number of other terminations, spontaneous and induced. Total birth order for all 55 areas is calculated from the sum of the available information. Thus information on total birth order may not be completely comparable for all 55 registration areas.

Marital status.—Table 3-4 shows fetal deaths by marital status. Only fetal deaths to residents of States which provided for reporting this item on both their certificate of live birth and report of fetal death in 1979 are included. The areas shown in table A are reporting areas.

There are no quantitative data on the characteristics of unmarried women who may misreport their marital status or who fail to register fetal deaths. Underregistration may be greater for the unmarried group than for the married group.

Age of mother.—The fetal-death report asks for the mother's "age (at time of delivery)," and the ages are edited in NCHS for upper and lower limits. When mothers are reported to be under 10 years of

age or age 50 years and over, the age of the mother is considered not stated and is assigned as follows: Age on all fetal-death records with age of mother not stated is allocated according to the age appearing on the record previously processed for a mother of identical race and having the same total-birth order (total of fetal deaths and live births).

Perinatal mortality

Perinatal definitions.—Beginning with data year 1979, perinatal mortality data for the United States and each State are published in section 4. The World Health Organization in the Ninth Revision of the International Classification of Diseases (ICD-9) recommended that "national perinatal statistics should include all fetuses and infants delivered weighing at least 500 grams (or when birthweight is unavailable, the corresponding gestational age (22 weeks) or body length (25 cm crown-heel)), whether alive or dead...." It was further recommended that "countries should present, solely for international comparisons, 'standard perinatal statistics' in which both the numerator and denominator of all rates are restricted to fetuses and infants weighing 1,000 grams or more (or, where birth weight is unavailable, the corresponding gestational age (28 weeks) or body length (35 cm crown-heel))." Because birthweight and gestational age are not reported for infant deaths in the United States, NCHS was unable to recommend the adoption of these definitions. Three definitions of perinatal mortality are currently in use in the United States: Perinatal Definition I, which is generally used for international comparisons, includes fetal deaths of 28 weeks or more gestation and infant deaths of less than 7 days; Perinatal Definition II includes fetal deaths of 20 weeks or more gestation and infant deaths of less than 28 days; and Perinatal Definition III includes fetal deaths of 20 weeks or more gestation and infant deaths of less than 7 days.

Not stated.—Fetal deaths with gestation not stated are presumed to be of 20 weeks gestation or more if (a) the State requires reporting of all fetal deaths of gestation age 20 weeks or more or (b) the fetus weighed 500 grams or more, in those States requiring reporting of all fetal deaths regardless of gestational age. For Definition I fetal deaths with gestation not stated but presumed to be 20 weeks or more are distributed to the category 28 weeks or more, according to the distribution of fetal deaths with stated gestational age. For definitions II and III fetal deaths with presumed gestation of 20 weeks or more are included with those of stated gestation of 20 weeks or more.

For all three definitions, following the distribution of gestation not stated described above, fetal deaths with not-stated sex are allocated within ges-

tational age groups on the basis of the distribution of stated cases.

QUALITY OF DATA

Completeness of registration

All States have adopted laws that require the registration of births, deaths, and fetal deaths. It is believed that over 99 percent of the births and deaths occurring in this country are registered.

Reporting requirements for fetal deaths vary somewhat from State to State. Overall registration completeness is not as good for fetal deaths as for births and deaths; but it is believed to be relatively complete for fetal deaths of 20 weeks gestation or more. National statistical data on fetal deaths include only those fetal deaths of 20 weeks gestation or more.

Massachusetts data

The 1964 statistics for deaths exclude approximately 6,000 events registered in Massachusetts, primarily to residents of the State. Microfilm copies of these records were not received by NCHS. Figures for the United States and the New England Division are also somewhat affected.

Quality control procedures

Demographic items on the death certificate.—As previously indicated, for 1979 the mortality data for these items were obtained from two sources: (1) Microfilm images of the original certificates furnished by eight States, the District of Columbia, and the Virgin Islands, and photocopies from Guam; and (2) records on data tape furnished by the remaining 42 States, New York City, and Puerto Rico. For the eight States, the District of Columbia, the Virgin Islands, and Guam that send only copies of the original certificates, the demographic items on a 10-percent sample of the certificates were independently verified. For the 36 States, New York City, and Puerto Rico that furnished records on data tape before 1979, the demographic items on about 200 records per State per month were independently verified. For the six States (Connecticut, Hawaii, Mississippi, New Jersey, Pennsylvania, and Wyoming) that furnished records on data tape for the first time for 1979, the demographic items were independently verified for a 50-percent sample for the first 3 months, and for about 200 records per area for each of the last 9 months of 1979.

The above-mentioned verification procedures involve controlling two types of error (coding and entering into the data record tape) at the same time, and the error rates are a combined measure of both types. While it may be assumed that the entering

errors are randomly distributed across all items on the record, this assumption cannot be made as readily for coding errors. Systematic errors in coding infrequent events may escape detection during sample verification.

Medical items on the death certificate.—The ACME system for selecting the underlying cause of death through computer application contributes to the quality control of medical items on the death certificate (see the section on Automated selection of underlying cause of death).

For the States that did not furnish State-coded medical data the medical items were coded for 100 percent of the death records. Then the medical items on a 10-percent sample of the records were independently verified. For the seven States (Iowa, Louisiana, Michigan, Nebraska, North Carolina, Virginia, and Wisconsin) that furnished State-coded medical data, the medical items were independently verified for about 200 records per State per month.

Since a new revision of the International Classification of Diseases (ICD) was implemented in 1979, NCHS and State coders were required to demonstrate proficiency in coding under ICD-9 before using this verification scheme.²⁸

For cause-of-death coding, systematic errors in coding infrequent events are controlled by listing the rare and impossible codes from the computer and reverifying the cause-of-death assignment. Similar procedures are utilized to assure consistency between cause-of-death and age and/or sex items.

Demographic items on the report of fetal death.—For 1979, data on fetal deaths were coded by the U.S. Bureau of the Census. Coding and entering information on data tapes were verified on a 100-percent basis because of the relatively small number of records involved.

Other control procedures.—After completing coding and entering on data tape, 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, where there is 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.²⁹ All subsequent operations in tabulating and in preparing tables are verified during the computer processing or by statistical clerks.

Estimates of errors arising from 50-percent sample for 1972

Death statistics for 1972 in this report (excluding fetal-death statistics) are based on a 50-percent sam-

ple 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 of *Vital Statistics of the United States*, Volume II, Part A, 1972.

COMPUTATION OF RATES AND OTHER MEASURES

Population bases

The death rates shown in this report were computed on the basis of population statistics published or made available by the U.S. Bureau of the Census. Rates for 1940, 1950, 1960, and 1970 are based on the populations enumerated as of April 1 in the censuses of those years. Rates for all other years are based on the estimated midyear (July 1) population for the respective years. Population estimates for 1971-79 are based on the results of the 1970 Census of Population, estimates of census coverage, and data for components of change. The rates and life table values for 1971-79 will subsequently be revised due to the large difference between the 1980 census enumeration and the previously estimated population for 1980. Adjusted rates for 1979 may be computed by multiplying the reported age-race-sex rates by the corresponding factors shown in table 7-4. A ratio of less than 1.0000 indicates that the 1980 census-consistent estimate for 1979 was greater than the 1970 census-consistent estimate for 1979 and would result in a corresponding decrease in the death rate. Conversely, a ratio greater than 1.0000 indicates that the 1980 census-consistent estimate for 1979 was less than the 1970 census-consistent estimate for 1979 and would result in an increase in the death rate. The ratios differ by age, race, and sex. Ratios departing substantially from 1.0000 characterize the age groups 75-84 years and 85 years and over, especially for the black population.

Revised death rates for 1971-79 will also be reflected in revised life table values. Generally, the revised life tables would show higher life expectancy, especially for the black population, and higher survival probabilities.

Population estimates for 1979.—Estimates of the total resident population of the United States by age, race, and sex in 1979 are published by the Bureau of the Census in *Current Population Reports*, Series P-25, Number 870, and are shown in table 7-2. Total estimated populations for States shown in table 7-3 are published in Series P-25, Number 876; populations by broad age groups were prepared by the Bureau of the Census for NCHS and do not appear in the P-25 Series.

The populations of the 50 largest SMSA's and their component counties for July 1, 1979 are unpublished estimates prepared by the Bureau of the Census.

Population estimates for 1971.—The rates by age, race, and sex in Section 1 of *Vital Statistics of the United States, 1971*, were based on provisional estimates of the 1971 population; but the life table values for 1971 in section 5 were based on revised estimates of the 1971 population. These revised estimates are shown in *Current Population Reports*, Series P-25, No. 519, Washington, D.C., 1974. They differed considerably from the provisional estimates for a number of age-race-sex groups. Table 6-4 of the report for 1971 shows, for example, that the revised estimates are 7 to 25 percent lower than the provisional estimates for persons other than white in the youngest (under 10 years) and oldest (80 years and over) age groups. The limited number of statistics for 1971 shown in this report are based on the revised populations. Also available in NCHS is a set of unpublished trend tables for which the rates for 1971 are based on the revised population. These tables include age-race-sex-cause specific death rates for both the List of 69 Selected Causes of Death and the List of 281 Selected Causes of Death.

Population estimates for 1961-69.—Comparison of revised populations for 1969 (and several earlier years since 1960) with the provisional populations which were used to calculate annual death rates for these same age, race, and sex groups indicated a similar problem. The rates shown in tables 1-1 and 1-2, the life table values in table 6-5, and the population estimates in table 7-1 for each year in the period 1961-69 have been revised to reflect modified population bases, as published in the U.S. Bureau of Census, *Current Population Reports*, Series P-25, No. 519. The data shown in table 1-10 for 1961-69 have not been revised.

Population of the birth- and death-registration States and the United States.—The resident population of the birth- and death-registration States for 1900-1932 and for the United States for 1900-1979 is shown in table 7-1. In addition, the population including Armed Forces abroad is shown for the United States. Table B shows the sources for these populations.

Rates and ratios based on live births.—Infant, neonatal, and maternal mortality rates, and fetal death and perinatal mortality rates and ratios are computed on the basis of the number of live births instead of the estimated population under 1 year of age.

New Jersey.—As previously indicated, data by race are not available for New Jersey for 1962 and 1963. Therefore for 1962 and 1963 the National Center for Health Statistics estimated a population by

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Table B. Sources for resident population and population including Armed Forces abroad: Birth- and death-registration States, 1900-1932, and United States, 1900-1979

Year	Source
1978-79	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 870, January 1980.
1977	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 721, April 1978.
1975-76	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 643, January 1977.
1974	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 529, September 1974.
1971-73	U.S. Bureau of the Census, <i>Current Population Reports</i> , Series P-25, No. 519, April 1974.
1970	U.S. Bureau of the Census, <i>U.S. Census of Population: 1970, Number of Inhabitants, Final Report PC(1)-A1, United States Summary, 1971.</i>
1961-69	Same as for 1971-73.
1960	U.S. Bureau of the Census, <i>U.S. Census of Population: 1960, Number of Inhabitants, PC(1)-A1, United States Summary, 1964.</i>
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 the 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.

age, race, and sex excluding 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 reports.

Net census undercount

Mortality statistics may be subject to underregistration of deaths and misclassification of the demographic characteristics reported on the death certificate. Another source of error in the death statistics concerns the population figures used in computing death rates. Intercensal population estimates are affected by undercounts or overcounts in the decennial census. The net census undercount is determined by both undercount and by misclassification of demographic characteristics. The effect of the net census undercounts (or overcounts) on the death rates also depends on the misreporting of age on the death certificate.³⁰ While mortality statistics are not adjusted for possible age misreporting, mortality rates based on populations adjusted for net census undercount may be more accurate than rates based on the unadjusted populations. Thus it is useful to consider the possible impact of net census undercount on death statistics.

The U.S. Bureau of the Census has conducted extensive research to evaluate the completeness of coverage of the U.S. population (including undercount and misstatement of age, race, and sex) in the last three decennial censuses—1950, 1960, and 1970. These studies provide estimates of the national population that was not enumerated in the respective censuses, by age, race, and sex, as well as a set of exploratory estimates of coverage for States.^{31,32} The reports for 1970 include ranges of estimates of net census undercount based on alternative methodological assumptions for age, race, and sex subgroups of the national population and illustrative estimates for individual States.

These evaluative studies indicate that there is differential coverage in the census among the population subgroups; that is, some age, race, and sex groups are more completely enumerated than others. To the extent that these estimates are valid, that the net undercounts are substantial, and that they vary among subgroups and geographic areas, net census undercounts can have consequences for vital statistics measures.³²

The impact of net census undercounts on vital statistics measures can be of several types: (1) Effects on levels of the observed rates, (2) effects on differences among groups; and (3) effects on the levels and

group differences shown by summary measures such as age-adjusted rates and life expectancy.

Age-adjusted death rates

Age-adjusted death rates shown in this report are computed by using the distribution in 10-year age intervals of the enumerated population of the United States in 1940 as the standard population. Each figure represents the rate that would have existed if the age-specific rates of the particular year prevailed in a population whose age distribution was like that of the United States in 1940. The rates for the total population and for each race-sex group were adjusted separately, using the same standard population. It is important not to compare age-adjusted death rates directly with crude rates shown in other tables. The standard population, on the basis of one million total population, is as follows:

Age	Number
All ages	1,000,000
Under 1 year	15,343
1-4 years	64,718
5-14 years	170,355
15-24 years	181,677
25-34 years	162,066
35-44 years	139,237
45-54 years	117,811
55-64 years	80,294
65-74 years	48,426
75-84 years	17,303
85 years and over	2,770

Life tables

United States abridged life tables are constructed by reference to a standard table.³³ 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 appearing in this publication have been revised. Abridged life tables appearing in *Vital Statistics of the United States* for 1970-73 were constructed using the 1959-61 decennial life tables as the standard tables, since the 1969-71 decennial life tables were not yet available. In addition, life table values for 1951-59 and 1961-69 appearing in this publication are based on revised intercensal estimates of the populations for those years. As such, these life table values may differ from the life table values for those years published in previous volumes.

There has been an increasing interest in data on average length of life (e_0^o) for single calendar years prior to the initiation of the annual abridged life table series in 1945. The figures in table 6-5 for the race and sex groups for the following years were estimated to meet these needs.³⁴

Years	Race and sex groups
1900-1945	Total
1900-1947	Male
1900-1947	Female
1900-1950	White
1900-1944	White, male
1900-1944	White, female
1900-1950	All other
1900-1944	All other, male
1900-1944	All other, female

The geographic areas covered in life tables before 1929-31 were limited to the death-registration areas. Life tables for 1919-21 were constructed using mortality data from the 1920 death-registration States—34 States and the District of Columbia. For 1900-1902 and 1909-1911, life tables were constructed using mortality data from the 1900 death-registration States—10 States and the District of Columbia. The tables for the period 1929-31 through 1979 cover the conterminous United States. United States life tables include data for Alaska beginning in 1959 and for Hawaii beginning in 1960. Decennial life table values for the period 1959-61 were derived from data which include both Alaska and Hawaii for each year.

Random variation in numbers of deaths, death rates, and mortality rates and ratios

Deaths and population-based rates.—Except for 1972, the numbers of deaths reported for a community represent complete counts of such events. As such, they are not subject to sampling error, although they are subject to errors in the registration process. However, when the figures are used for analytical purposes, such as the comparison of rates over a time period or for different areas, the number of events that actually occurred may be considered as one of a large series of possible results that could have arisen under the same circumstances.³⁵ The probable range of values may be estimated from the actual figures according to certain statistical assumptions.

In general, distributions of vital events may be assumed to follow the binomial distribution. Estimates of standard error and tests of significance under this assumption are described in most standard statistics texts. When the number of events is large, the standard error, expressed as a percent of the number or rate, is usually small.

When the number of events is small (perhaps less than 100) and the probability of such an event is small, considerable caution must be observed in interpreting the conditions described by the figures. This is particularly true for infant mortality rates, cause-specific death rates, and death rates for

counties. Events of rare nature may be assumed to follow a Poisson probability distribution. For this distribution, a simple approximation may be used to estimate the error, as follows:

If N is the number of registered deaths in the population and R is the corresponding rate, the chances are 19 in 20 that

$$1. N - 2\sqrt{N} \text{ and } N + 2\sqrt{N}$$

covers the "true" number of events.

$$2. R - 2\frac{R}{\sqrt{N}} \text{ and } R + 2\frac{R}{\sqrt{N}}$$

covers the "true" rate.

If the rate R corresponding to N events is compared with the rate S corresponding to M events, the difference between the two rates may be regarded as statistically significant, if it exceeds

$$2\sqrt{\frac{R^2}{N} + \frac{S^2}{M}}$$

For example, if the observed death rate for Community A was 10.0 per 1,000 population and if this rate were based on 20 recorded deaths, then the chances are 19 in 20 that the "true" death rate for

that community lies between 5.5 and 14.5 per 1,000 population. If the death rate for Community A of 10.0 per 1,000 population were being compared with a rate of 20.0 per 1,000 population for Community B which is based on 10 recorded deaths, then the difference between the rates for the two communities is 10.0. This difference is less than twice the standard error of the difference

$$2\sqrt{\frac{(10.0)^2}{20} + \frac{(20.0)^2}{10}}$$

of the two rates which is computed to be 13.4. From this, it is concluded that the difference between the rates for the two communities is not statistically significant.

SYMBOLS USED IN TABLES

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

REFERENCES

¹National Center for Health Statistics: Vital statistics, classification and coding instructions for fetal death records, 1979. *NCHS Instruction Manual*, Part 3b. Public Health Service. Hyattsville, Md., Aug. 1978.

²National Center for Health Statistics: Vital statistics, demographic classification and coding instructions for death records, 1979. *NCHS Instruction Manual*, Part 4. Public Health Service. Hyattsville, Md., Aug. 1978.

³National Center for Health Statistics, M. A. McCarthy: Comparison of the classification of place of residence on death certificates and matching census records, United States, May-August 1960. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 2-No. 30. Public Health Service. Washington. U.S. Government Printing Office, Jan. 1969.

⁴National Vital Statistics Division: Matched record comparison of birth certificate and census information, United States, 1950. *Vital Statistics-Special Reports*, Vol. 47, No. 12. Public Health Service. Washington, D.C., Mar. 1962.

⁵National Center for Health Statistics: Vital statistics, vital records geographic classification, 1970. *NCHS Instruction Manual*, Part 8. Health Resources Administration. Rockville, Md., 1975.

⁶For a more complete discussion see U.S. Bureau of the Census, *U.S. Census of Population, 1970, Number of Inhabitants*, Final Report, PC(1)-A1, United States Summary, Washington. U.S. Government Printing Office, 1971, and U.S. Bureau of the Budget, *Standard Metropolitan Statistical Areas*. Washington. U.S. Government Printing Office, 1967.

⁷For discussion of MSEA's, see U.S. Bureau of the Census, *State Economic Areas*, Washington. U.S. Government Printing Office, 1951, and the first reference cited in footnote 6.

⁸National Center for Health Statistics, A. J. Klebba: Mortality from selected causes by marital status, United States, Parts A & B. *Vital and Health Statistics*. Series 20-No. 8a. DHEW Pub. No. (PHS) 1000. Public Health Service. Washington. U.S. Government Printing Office, Dec. 1970.

⁹World 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.

¹⁰U.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., Jan. 1940.

¹¹U.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.

¹²National 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., Dec. 1963.

- ¹³National 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., Feb. 1964.
- ¹⁴World 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.
- ¹⁵World 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.
- ¹⁶National 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., Mar. 1965.
- ¹⁷National 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.
- ¹⁸World 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.
- ¹⁹D. S. Santo: ICD-9 and ICD-9-CM: Increased complexity, *Medical Record News*, June 1978, pp. 8-13.
- ²⁰National Center for Health Statistics: Estimates of selected comparability ratios based on dual coding of 1976 death certificates by the Eighth and Ninth Revision of the International Classification of Diseases. *Monthly Vital Statistics Report*, Vol. 28, No. 11 Supp. DHEW Pub. No. (PHS) 80-1120. Public Health Service. Hyattsville, Md., Feb. 29, 1980.
- ²¹National Center for Health Statistics: Vital statistics, instructions for classifying the underlying cause of death, 1979. *NCHS Instruction Manual*, Part 2a. Public Health Service. Hyattsville, Md., Sept. 1978.
- ²²National Center for Health Statistics, A. Gittelsohn and P. N. Royston: Annotated bibliography of cause-of-death validation studies, 1958-80: *Vital and Health Statistics*, Series 2-No. 89. DHHS Pub. No. (PHS) 82-1363. Public Health Service. Washington. U.S. Government Printing Office, Sept. 1982.
- ²³National Center for Health Statistics: Vital Statistics, decision tables for classifying underlying causes of death, 1979. *NCHS Instruction Manual*, Part 2c. Public Health Service. Hyattsville, Md., July 1979.
- ²⁴National Office of Vital Statistics: *International Recommendations on Definitions of Live Birth and Fetal Death*. PHS Pub. No. 39. Public Health Service. Washington. U.S. Government Printing Office, Oct. 1950.
- ²⁵For definitions used by the States and registration areas, see National Center for Health Statistics, *State Definitions and Reporting Requirements for Live Births, Fetal Deaths, and Induced Terminations of Pregnancy*. PHS Pub. No. (PHS) 81-1119. Public Health Service. Washington. U.S. Government Printing Office, May 1981.
- ²⁶National Center for Health Statistics: *Model State Vital Statistics Act and Model State Vital Statistics Regulations*. PHS Pub. No. (PHS) 78-1115. Public Health Service. Washington. U.S. Government Printing Office, May 1978.
- ²⁷Unpublished fetal mortality data contained in a thesis for Harvard School of Public Health, Apr. 1962, by Carl L. Erhardt, Sc.D., Director, Bureau of Records and Statistics, Department of Health, New York, N.Y.
- ²⁸National Center for Health Statistics: Vital Statistics, NCHS procedures for mortality medical data system file preparation and maintenance, effective 1979. *NCHS Instruction Manual*, Part 2d. Public Health Service. Md., Dec. 1980.
- ²⁹National Center for Health Statistics: Vital statistics, computer edits for mortality data, effective 1979. *NCHS Instruction Manual*, Part 11. Public Health Service. Hyattsville, Md., Nov. 1979.
- ³⁰National Center for Health Statistics, T.Z. Hambricht: Comparability of age on the death certificate and matching census records, United States, May-August 1960. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 2-No. 29. Public Health Service. Washington. U.S. Government Printing Office, June 1968.
- ³¹U.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. Government Printing Office. Dec. 1977.
- ³²U.S. Bureau of the Census: Estimates of coverage of the population by sex, race, and age—demographic analysis. *1970 Census of Population and Housing. Evaluation and Research Program*. PHC(E)-4. Washington. U.S. Government Printing Office, 1974.
- ³³National Center for Health Statistics, M.G. Sirken: Comparison of two methods of constructing abridged life tables by reference to a "standard" table. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 2-No. 4. Public Health Service. Washington. U.S. Government Printing Office, 1966.
- ³⁴For estimating procedure see National Office of Vital Statistics, T. N. E. Greville and G. A. Carlson: Estimated average length of life in the death-registration States. *Vital Statistics—Special Reports*, Vol. 33, No. 9. Public Health Service. Washington, D.C., 1951.
- ³⁵National Office of Vital Statistics, C. L. Chiang: Standard error of the age-adjusted death rate. *Vital Statistics—Special Reports*, Vol. 47, No. 9. Public Health Service. Washington, D.C., Aug. 1961.

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Table 7-1. Population of Birth- and Death-Registration States, 1900-1932, and United States, 1900-1979

(Population enumerated as of April 1 for 1940, 1950, 1960, and 1970 and estimated as of July 1 for all other years)

Year	United States ¹		Year	United States ¹		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 ²	Population residing in area	Number of States ¹	Population residing in area
1979	220,584,000	220,099,000	1939	131,028,000	130,870,718	...	...	...	...
1978	218,717,000	218,228,000	1938	129,968,000	129,824,839	...	...	...	...
1977	216,817,000	216,332,000	1937	128,961,000	128,824,829	...	...	...	...
1976	215,118,000	214,849,000	1936	128,181,000	128,053,180	...	...	...	...
1975	213,540,000	213,032,000	1935	127,362,000	127,250,232	...	...	...	...
1974	211,809,000	211,380,000	1934	126,485,000	126,373,773	...	...	...	...
1973	210,494,000	209,851,000	1933	125,890,000	125,578,783	...	...	...	...
1972	208,842,000	208,230,000	1932	124,948,000	124,840,471	47	118,903,899	47	118,903,899
1971	207,045,000	206,512,000	1931	124,149,000	124,039,848	46	117,465,229	47	118,148,987
1970	204,270,000	203,211,826	1930	123,188,000	123,078,741	46	116,844,846	47	117,238,278
1969	202,877,000	201,365,000	1929	---	121,788,839	46	115,317,450	46	115,317,450
1968	200,708,000	199,399,000	1928	---	120,501,116	44	113,836,180	44	113,836,180
1967	198,712,000	197,457,000	1927	---	119,038,082	40	104,320,830	42	107,084,532
1966	196,680,000	195,578,000	1926	---	117,399,225	35	90,400,580	41	103,822,883
1965	194,303,000	193,598,000	1925	---	115,831,983	33	88,294,584	40	102,031,565
1964	191,888,000	191,141,000	1924	---	114,113,463	33	87,000,295	39	88,318,098
1963	189,242,000	188,483,000	1923	---	111,849,845	30	81,072,123	38	86,758,187
1962	186,538,000	185,771,000	1922	---	110,054,778	30	79,560,748	37	82,702,801
1961	183,891,000	182,992,000	1921	---	108,541,489	27	70,807,090	34	87,814,447
1960	179,839,000	179,323,173	1920	---	106,486,420	23	63,597,307	34	88,079,263
1959	177,284,000	176,513,000	1919	105,083,000	104,512,110	22	61,212,078	33	83,157,882
1958	174,141,000	173,320,000	1918	104,550,000	103,202,801	20	65,183,782	30	78,008,412
1957	171,274,000	170,371,000	1917	103,414,000	103,265,813	20	66,187,852	27	70,234,775
1956	168,221,000	167,358,000	1916	---	101,985,884	11	32,844,013	26	68,971,177
1955	165,275,000	164,308,000	1915	---	100,549,013	10	31,086,897	24	61,884,847
1954	162,391,000	161,184,000	1914	---	98,117,567	...	...	24	60,983,300
1953	159,545,000	158,242,000	1913	---	97,228,814	...	...	23	68,158,740
1952	156,854,000	155,687,000	1912	---	95,331,300	...	...	22	64,847,700
1951	154,287,000	153,310,000	1911	---	93,867,814	...	...	22	63,828,644
1950	151,132,000	150,607,361	1910	---	92,408,536	...	...	20	47,470,437
1949	148,188,000	148,688,000	1909	---	90,491,525	...	...	18	44,223,513
1948	145,831,000	146,093,000	1908	---	88,708,978	...	...	17	38,634,758
1947	144,126,000	143,446,000	1907	---	87,000,271	...	...	15	34,552,837
1946	141,289,000	140,054,000	1906	---	85,438,556	...	...	15	33,782,288
1945	138,828,000	132,481,000	1905	---	83,819,868	...	...	10	21,767,880
1944	136,397,000	132,885,000	1904	---	82,164,874	...	...	10	21,332,076
1943	136,739,000	134,245,000	1903	---	80,632,152	...	...	10	20,843,222
1942	134,880,000	133,820,000	1902	---	79,190,186	...	...	10	20,582,907
1941	133,402,000	133,121,000	1901	---	77,585,128	...	...	10	20,237,453
1940	131,820,000	131,869,275	1900	---	76,094,134	...	...	10	19,986,446

¹ Alaska included beginning 1950 and Hawaii 1960.

² The District of Columbia is not included in "Number of States," but it is represented in all data shown for each year.

SOURCE: U.S. Bureau of the Census, published and unpublished data; see text.

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Table 7-2. Estimates of Total Resident Population of the United States, by Age, Race, and Sex: July 1, 1979

(Figures include Armed Forces stationed in the United States and exclude those stationed outside the United States. Due to rounding to the nearest thousand, detailed figures may not add to totals)

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	220,086,000	107,006,000	113,080,000	126,968,000	62,861,000	67,307,000	30,132,000	14,345,000	15,798,000	25,863,000	12,294,000	13,570,000
Under 1 year	3,281,000	1,686,000	1,601,000	2,711,000	1,291,000	1,320,000	889,000	289,000	290,000	484,000	246,000	238,000
1-4 years	12,266,000	6,323,000	6,048,000	10,136,000	5,194,000	4,942,000	2,233,000	1,129,000	1,104,000	1,103,000	683,000	640,000
5-9 years	16,493,000	8,424,000	8,069,000	13,570,000	6,960,000	6,610,000	2,822,000	1,475,000	1,448,000	2,507,000	1,295,000	1,212,000
10-14 years	16,071,000	8,212,000	7,859,000	13,004,000	7,086,000	6,733,000	2,987,000	1,543,000	1,534,000	2,696,000	1,356,000	1,341,000
15-19 years	20,862,000	10,580,000	10,281,000	17,548,000	8,919,000	8,629,000	3,314,000	1,861,000	1,853,000	2,911,000	1,486,000	1,466,000
20-24 years	20,527,000	10,254,000	10,273,000	17,483,000	8,794,000	8,689,000	3,044,000	1,480,000	1,594,000	2,615,000	1,247,000	1,369,000
25-29 years	18,242,000	9,091,000	9,251,000	16,305,000	7,820,000	7,886,000	2,537,000	1,171,000	1,365,000	2,123,000	894,000	1,140,000
30-34 years	16,821,000	8,181,000	8,760,000	14,581,000	7,185,000	7,187,000	2,149,000	977,000	1,163,000	1,746,000	798,000	946,000
35-39 years	13,871,000	6,916,000	6,953,000	11,868,000	5,852,000	6,016,000	1,794,000	796,000	837,000	1,441,000	651,000	790,000
40-44 years	11,364,000	5,595,000	5,806,000	10,040,000	4,935,000	5,104,000	1,494,000	659,000	695,000	1,346,000	663,000	682,000
45-49 years	11,217,000	5,471,000	5,746,000	9,807,000	4,817,000	4,990,000	1,410,000	654,000	766,000	1,189,000	655,000	634,000
50-54 years	11,734,000	5,696,000	6,038,000	10,411,000	5,053,000	5,368,000	1,322,000	613,000	709,000	1,131,000	627,000	603,000
55-59 years	11,267,000	5,428,000	5,839,000	10,303,000	4,888,000	5,315,000	1,164,000	540,000	624,000	1,017,000	471,000	546,000
60-64 years	9,585,000	4,487,000	5,098,000	8,570,000	4,071,000	4,599,000	915,000	418,000	469,000	814,000	367,000	447,000
65-69 years	8,888,000	4,285,000	4,603,000	7,746,000	3,483,000	4,263,000	842,000	412,000	430,000	692,000	370,000	462,000
70-74 years	6,584,000	2,777,000	3,807,000	6,008,000	2,820,000	3,488,000	578,000	257,000	321,000	610,000	221,000	389,000
75-79 years	4,274,000	1,876,000	2,398,000	3,939,000	1,529,000	2,410,000	335,000	149,000	187,000	398,000	115,000	153,000
80-84 years	2,790,000	977,000	1,813,000	2,548,000	886,000	1,662,000	232,000	81,000	140,000	191,000	72,000	120,000
85 years and over	2,332,000	720,000	1,612,000	2,091,000	637,000	1,456,000	240,000	83,000	167,000	206,000	70,000	140,000

SOURCE: U. S. Bureau of the Census. CURRENT POPULATION REPORTS, Series P-25, No. 870.

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Table 7-3. Estimates of Total Resident Population, by Age, for the United States, Each Division and State, Puerto Rico, Virgin Islands, and Guam: July 1, 1979

[Figures include Armed Forces stationed in each area, and exclude Armed Forces stationed outside the United States. Due to rounding to the nearest thousand, detailed figures may not add to totals]

Division and State	Total	Under 5 years	5-19 years	20-44 years	45-64 years	65 years and over
United States:	220,088,000	15,648,000	65,428,000	80,466,000	43,903,000	24,658,000
Geographic divisions:						
New England:	12,291,000	722,000	3,057,000	4,485,000	2,948,000	1,489,000
Middle Atlantic:	36,711,000	2,255,000	8,828,000	12,880,000	8,069,000	4,448,000
East North Central:	41,287,000	2,917,000	10,705,000	15,185,000	8,128,000	4,374,000
West North Central:	17,116,000	1,213,000	4,305,000	6,116,000	3,321,000	2,162,000
South Atlantic:	34,976,000	2,414,000	8,688,000	12,632,000	6,882,000	4,149,000
East South Central:	14,105,000	1,083,000	3,673,000	5,057,000	2,711,000	1,582,000
West South Central:	22,470,000	1,850,000	6,870,000	8,213,000	4,182,000	2,343,000
Mountain:	10,873,000	667,000	2,807,000	3,823,000	1,963,000	1,013,000
Pacific:	30,488,000	2,227,000	7,380,000	11,681,000	6,054,000	3,108,000
New England:						
Maine:	1,087,000	77,000	284,000	378,000	224,000	135,000
New Hampshire:	867,000	60,000	227,000	329,000	172,000	86,000
Vermont:	483,000	34,000	131,000	183,000	89,000	54,000
Massachusetts:	6,786,000	323,000	1,426,000	2,120,000	1,188,000	711,000
Rhode Island:	828,000	63,000	229,000	326,000	186,000	123,000
Connecticut:	3,115,000	175,000	780,000	1,181,000	673,000	364,000
Middle Atlantic:						
New York:	17,648,000	1,087,000	4,303,000	6,316,000	3,827,000	2,115,000
New Jersey:	7,332,000	452,000	1,804,000	2,888,000	1,634,000	843,000
Pennsylvania:	11,731,000	716,000	2,821,000	4,086,000	2,637,000	1,481,000
East North Central:						
Ohio:	10,731,000	746,000	2,757,000	3,832,000	2,153,000	1,142,000
Indiana:	6,400,000	393,000	1,414,000	1,978,000	1,045,000	570,000
Illinois:	11,228,000	808,000	2,858,000	4,088,000	2,256,000	1,220,000
Michigan:	9,207,000	651,000	2,453,000	3,458,000	1,758,000	887,000
Wisconsin:	4,720,000	321,000	1,223,000	1,707,000	913,000	456,000
West North Central:						
Minnesota:	4,080,000	285,000	1,053,000	1,509,000	743,000	470,000
Iowa:	2,902,000	203,000	733,000	1,004,000	580,000	381,000
Missouri:	4,867,000	334,000	1,200,000	1,742,000	956,000	635,000
North Dakota:	657,000	52,000	171,000	225,000	130,000	80,000
South Dakota:	689,000	55,000	178,000	226,000	139,000	90,000
Nebraska:	1,574,000	116,000	387,000	555,000	302,000	204,000
Kansas:	2,389,000	170,000	572,000	855,000	471,000	301,000
South Atlantic:						
Delaware:	582,000	40,000	149,000	222,000	114,000	57,000
Maryland:	4,148,000	255,000	1,059,000	1,625,000	830,000	380,000
District of Columbia:	656,000	39,000	158,000	263,000	123,000	73,000
Virginia:	5,197,000	342,000	1,311,000	2,040,000	1,020,000	483,000
West Virginia:	1,878,000	142,000	481,000	642,000	407,000	226,000
North Carolina:	5,808,000	399,000	1,436,000	2,108,000	1,081,000	571,000
South Carolina:	2,932,000	234,000	792,000	1,101,000	537,000	269,000
Georgia:	5,117,000	396,000	1,362,000	1,951,000	820,000	488,000
Florida:	8,880,000	586,000	1,961,000	2,878,000	1,850,000	1,803,000
East South Central:						
Kentucky:	3,527,000	271,000	807,000	1,275,000	680,000	393,000
Tennessee:	4,380,000	313,000	1,095,000	1,607,000	872,000	492,000
Alabama:	3,789,000	284,000	985,000	1,348,000	732,000	421,000
Mississippi:	2,429,000	213,000	586,000	827,000	428,000	276,000
West South Central:						
Arkansas:	2,180,000	168,000	548,000	742,000	422,000	300,000
Louisiana:	4,018,000	342,000	1,117,000	1,454,000	726,000	379,000
Oklahoma:	2,892,000	221,000	705,000	1,033,000	669,000	383,000
Texas:	13,380,000	1,119,000	3,600,000	4,984,000	2,475,000	1,302,000
Mountain:						
Montana:	786,000	63,000	204,000	278,000	168,000	83,000
Idaho:	905,000	90,000	239,000	316,000	169,000	91,000
Wyoming:	450,000	42,000	115,000	185,000	82,000	36,000
Colorado:	2,772,000	217,000	701,000	1,114,000	601,000	339,000
New Mexico:	1,241,000	112,000	348,000	448,000	227,000	109,000
Arizona:	2,450,000	215,000	632,000	859,000	458,000	289,000
Utah:	1,987,000	174,000	380,000	484,000	313,000	168,000
Nevada:	702,000	55,000	178,000	281,000	147,000	81,000
Pacific:						
Washington:	3,826,000	281,000	971,000	1,514,000	745,000	418,000
Oregon:	2,527,000	180,000	603,000	835,000	504,000	294,000
California:	22,684,000	1,636,000	5,458,000	8,710,000	4,574,000	2,318,000
Alaska:	408,000	43,000	120,000	175,000	58,000	10,000
Hawaii:	915,000	76,000	237,000	357,000	174,000	70,000
Puerto Rico:	1,168,000	---	---	---	---	---
Virgin Islands:	86,200	---	---	---	---	---
Guam:	118,200	---	---	---	---	---

1. Excludes Puerto Rico, Virgin Islands, and Guam.
 SOURCE: U.S. Bureau of the Census, CURRENT POPULATION REPORTS, Series P-25, Nos. 871 and 876, and unpublished data.

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Table 7-4. Ratio of Estimated 1970 Census-Consistent Resident Population for 1979 to Estimated 1980 Census-Consistent Resident Population for 1979 by Age, Race, and Sex: United States, July 1, 1979

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	0.9801	0.9805	0.9797	0.9806	0.9807	0.9804	0.9773	0.9782	0.9785	0.9830	0.9878	0.9799
Under 5 years	.9742	.9741	.9744	.9885	.9888	.9700	.9884	.9983	.9835	.9833	.9875	.9889
Under 1 year	.9577	.9584	.9570	.9688	.9683	.9683	.9488	.9538	.9398	.9398	.9423	.9297
1-4 years	.9787	.9783	.9783	.9722	.9714	.9732	1.0100	1.0116	1.0082	1.0085	1.0126	1.0043
5-14 years	.9788	.9757	.9775	.9745	.9725	.9755	.9870	.9888	.9870	.9833	.9843	.9823
5-9 years	.9732	.9728	.9728	.9883	.9885	.9703	.9819	.9833	.9804	.9813	.9837	.9889
10-14 years	.9787	.9785	.9810	.9782	.9781	.9804	.9824	.9808	.9839	.9852	.9849	.9855
15-24 years	.9781	.9733	.9788	.9788	.9748	.9788	.9858	.9851	.9888	.9710	.9712	.9708
15-19 years	.9772	.9751	.9783	.9798	.9772	.9828	.9834	.9840	.9827	.9713	.9722	.9884
20-24 years	.9730	.9718	.9748	.9738	.9724	.9783	.9888	.9882	.9708	.9707	.9888	.9723
25-34 years	.9874	.9868	.9888	.9703	.9889	.9708	.9489	.9388	.9578	.9823	.9448	.9891
25-29 years	.9815	.9880	.9838	.9858	.9842	.9871	.9885	.9250	.9458	.9410	.9345	.9478
30-34 years	.9741	.9738	.9745	.9758	.9784	.9751	.9840	.9840	.9718	.9882	.9880	.9733
35-44 years	.9884	.9819	1.0048	1.0014	.9858	1.0071	.9784	.9841	.9888	1.0080	1.0017	1.0088
35-39 years	.9885	.9818	1.0061	1.0010	.9848	1.0070	.9818	.9872	.9826	1.0091	1.0048	1.0141
40-44 years	.9884	.9822	1.0044	1.0018	.9884	1.0071	.9747	.9808	.9868	1.0024	.9882	1.0044
45-54 years	1.0007	1.0083	.9854	.9888	1.0017	.9861	1.0141	1.0437	.9889	1.0202	1.0568	.9888
45-49 years	1.0004	1.0048	.9865	.9879	.9888	.9882	1.0188	1.0447	.9874	1.0258	1.0582	.9884
50-54 years	1.0009	1.0078	.9844	.9887	1.0038	.9861	1.0082	1.0425	.9820	1.0143	1.0640	.9789
55-64 years	.9789	.9875	.9878	.9780	.9887	.9704	.9878	.9755	.9429	.9883	.9817	.9811
55-59 years	.9814	.9820	.9720	.9838	.9833	.9754	.9804	.9800	.9440	.9895	.9858	.9479
60-64 years	.9715	.9821	.9824	.9734	.9833	.9848	.9841	.9887	.9415	.9880	.9888	.9551
65-74 years	.9857	.9891	.9831	.9837	.9880	.9821	1.0133	1.0278	1.0035	1.0318	1.0478	1.0188
65-69 years	.9835	.9858	.9818	.9858	.9880	.9842	1.0586	1.0848	1.0579	1.0811	1.0847	1.0885
70-74 years	.9888	1.0040	.9848	1.0040	1.0072	1.0020	.9480	.9735	.9251	.9444	.9779	.9204
75-84 years	.9283	.9385	.9224	.9354	.9428	.9314	.9539	.9855	.9278	.7888	.7857	.7483
75-79 years	.9047	.9195	.9058	.9195	.9300	.9129	.7814	.8187	.7248	.8788	.7143	.8483
80-84 years	.9870	.9731	.9837	.9811	.9851	.9898	1.0357	1.0581	1.0218	.9502	.9251	.9877
85 years and over	1.0814	1.0850	1.0888	1.0338	1.0324	1.0341	1.3783	1.4088	1.3772	1.3397	1.3482	1.3482

SOURCE: Computed from populations published by the U.S. Bureau of the Census in CURRENT POPULATION REPORTS, POPULATION ESTIMATES AND PROJECTIONS, Series P-25, Nos. 870 and 817.