
Compressed Mortality File

1999-2004

CD-ROM Series 20

No. 2J

ASCII Version

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**Department of Health and Human Services
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I. Introduction

The Compressed Mortality File (CMF) is composed of a county-level national mortality file and a county-level national population file. Currently, the CMF spans the years 1968-2004 and is divided into four parts: 1968-78, 1979-88, 1989-98, and 1999-2004. The first two parts are public use files and are available on a CD-ROM (CMF 1968-88 Series 20 No. 2A). The other two parts are made available to researchers on CD-ROMs under Part II Use Agreements (CMF 1989-98 Series 20 No. 2E and CMF 1999-2004 Series 20 No. 2J). The CMF permits the calculation of national and sub-national death rates and the examination of mortality trends for age-sex-race groups of interest. The CMF is a relatively compact file as it contains only a select set of analysis variables. The mortality file contains the variables: 1) State and county of residence, 2) year of death (rather than the full date of death), 3) race (White, Black, and other races), 4) sex, 5) age group at death, 6) underlying cause-of-death (4-digit ICD-10 code), and 7) 113 cause-of-death recode. The population file has national, State, and county population estimates from the Census Bureau. The age, race, and sex detail of the population file matches that of the mortality file.

Confidentiality restrictions apply to the mortality and live birth data on this file. Details of these restrictions are given in Section II. All users of this file must read and sign an NCHS Data Use and Reporting Agreement.

II. Data Use and Reporting Agreement

All users of this file must read and sign an NCHS Data Use and Reporting Agreement. A copy of the form can be found on the CMF CD ROM. The text of the agreement is given below.

The Public Health Service Act (42 U.S.C. 242m (d) provides that the data collected by the National Center for Health Statistics (NCHS) **may be used only for the purpose for which they were obtained**; any effort to determine the identity of any reported cases, or to use the information for any purpose other than for health statistical reporting and analysis, would violate this statutory restriction and the conditions of this data use agreement. NCHS does all it can to assure that the identity of the data subjects cannot be disclosed; all direct identifiers, as well as characteristics that might lead to identifications, are omitted from the data set. Nevertheless it may be possible in rare instances, through complex analysis and with outside information to ascertain from the data set the identity of particular persons or establishments. Considerable harm could ensue if this were done. Therefore,

For the indicated files, (check all files that will be used):

Compressed Mortality File 1999-2004 (CMF 1999-2004 2J),

I agree to the following data use and reporting requirements as established by the National Center for Health Statistics (NCHS):

- I shall not use nor permit others to use the data in the Compressed Mortality File for any purpose other than statistical reporting and analysis.
- I shall use the CMF only for the project(s) approved by NCHS.
- I shall not release nor permit others to release the Compressed Mortality File or any part of it to any person who is not a member of this organization, except with the approval of NCHS. Under Section 308(b) of the Public Health Service Act, the only persons to be allowed access to these data sets will be staff members of this organization, or its contractor(s) who have been authorized to work with the data and have, prior to being granted access to the data, read, signed, and forwarded to NCHS a copy of this Statement.
- I shall not attempt to link nor permit others to attempt to link the Compressed Mortality File with individually identifiable records from any other NCHS or non-NCHS data set.
- No person having access to the Compressed Mortality File will attempt to use the file to learn the identity of any person included in the file. If I should inadvertently discover the identity of any person on the file, then (a) I will make no use of the knowledge, (b), I will advise the Director of NCHS of the incident, (c) I will safeguard or destroy the information that would identify the individual, as requested by NCHS, and (d) I will inform no one else of the discovered identity.
- I shall follow the file security measures approved by NCHS.
- When the CMF CD-ROM is returned to NCHS, I shall destroy all files derived from the CMF that have county-level data not aggregated for three or more years.

Data Use and Reporting (Contd.)

In addition, I will make every effort to release all statistical information in such a way as to avoid inadvertent disclosure. For example:

- No figures, including totals, should be less than 3 in tabulations for sub-state geographic areas, unless it is a tabulation routinely published by NCHS.
- Death counts of 5 or less, or statistics based on a death count of 5 or less, shall not be presented for any county with Census 2000 population of less than 100,000 unless three or more years of data are combined, except death counts or statistics based on death counts for the following tabulations: age by cause-of-death, race by cause-of-death, or sex by cause-of-death.
- No data on an identifiable case should be derivable through subtraction or other calculation from the combination of the tables in a given publication.
- No data should permit disclosure when used in combination with other known data.

My signature indicates my agreement to comply with the above-stated statutorily-based requirements with the knowledge that deliberately making a false statement in any matter within the jurisdiction of any department or agency of the Federal Government violates 18 U.S.C. 1001 and is punishable by a fine of up to \$10,000 or up to 5 years in prison. Further, under Section 513 of Public Law 107-347, should I discover the identity of any person in the CMF and willfully disclose this information in any manner to a person or agency not entitled to receive it, I understand that I shall be guilty of **a class E felony and imprisoned for not more than 5 years, or fined for not more than \$250,000, or both.**

III. Guidelines for Citation of Data

With the goal of mutual benefit, the National Center for Health Statistics (NCHS) requests that recipients of data files cooperate in certain actions related to their use. Any published material derived from the data should acknowledge NCHS as the original source. The suggested citation to appear at the bottom of all tables is as follows:

Source: National Center for Health Statistics (Compressed Mortality File 1999-2004)

When cited in a bibliography, the citation should read:

National Center for Health Statistics. Compressed Mortality File, 1999-2004 (machine readable data file and documentation, CD-ROM Series 20, No. 2J). Hyattsville, Maryland. 2006.

The published material should also include a disclaimer that credits any analyses, interpretations, or conclusions reached to the author (recipient of the data file) and not to NCHS, which is responsible only for the initial data. Consumers who wish to publish a technical description of the data should make an effort to insure that the description is not inconsistent with that published by NCHS.

IV. New in the CMF 2004

The following changes, effective with this version of the Compressed Mortality File 1999-2004 (CMF 1999-2004, CD-ROM Series 20, No. 2J) have been implemented:

1. Mortality and population data for 2004 have been added to the file.
2. The State and county population estimates for all years on this file are derived from the Vintage 2005 bridged-race postcensal series. On the previous file, CMF 1999-2003 Series 20 No. 2I, the State and county population estimates for 1999-2003 were from the Vintage 2004 bridged-race postcensal series.

V. Description of the Mortality File

Mortality data on the CMF are based on information from all death certificates filed in the 50 States and the District of Columbia during 1999-2004, excluding deaths of nonresidents (e.g. deaths of nonresident aliens, nationals residing abroad, and residents of Puerto Rico, the Virgin Islands, Guam, and other territories of the United States) and fetal deaths (1-6). Mortality data from the death certificates are coded by the States and provided to NCHS through the Vital Statistics Cooperative Program or coded by NCHS from copies of the original death certificates provided to NCHS by the State registration offices. Descriptions of the vital statistics reporting system maintained by NCHS and of the technical details of the mortality data are available in the Technical Notes in the annual National Vital Statistics Reports *Deaths: Final Data* (7-12).

Only a select set of variables are extracted from the death records for inclusion on the CMF mortality record: 1) State and county of residence, 2) year of death (rather than the full date of death), 3) race (recoded to white, black, other races), 4) sex, 5) age group at death, 6) underlying cause-of-death (4-digit ICD-10 code), and 7) 113 ICD-10 cause-of-death recode. Including only these eight variables on the file and recoding some of them into a limited number of categories results in numerous records having identical values on all of the variables. Aggregating the records with identical values on all of the variables into one record and adding a count to that record indicating the number of records that have been aggregated substantially reduces the number of records on the file. For example, 28 white male residents of Baldwin County, AL with ages between 65 and 74 years, died from ICD-10 underlying cause C34.9 in 1999. Their records were combined into one, with the value 28 in the count field. Note that if no deaths occurred for a particular combination of variable values, no record appears in the CMF.

Specific details

1. Beginning in 1989, additional confidentiality restrictions apply to the mortality data. See [Section II](#) for details.
2. Cause-of-death on the CMF is the underlying cause-of-death, which is defined by WHO as “the disease or injury which initiated the train of events leading directly to death, or the circumstances of the accident or violence which produced the fatal injury” (13). When more than one cause or condition is listed on the death certificate, the underlying cause is determined by the sequence of conditions and associated selection rules. For 1999-2004, underlying cause-of-death is classified in accordance with the current revision of the *International Statistical Classification of Disease and Related Health Problems, Tenth Revision* (ICD-10) (13). Additional information is available from: <http://www.cdc.gov/nchs/about/major/dvs/icd10des.htm>. For earlier years, causes of death were classified according to the revisions then in use. Changes in classification of causes of death due to the ICD revisions result in discontinuities in cause-of-death trends. Comparability ratios are available for selected causes of death (14). For additional information see [Appendix B](#).
3. Race and Hispanic origin are reported separately on the death certificate in accordance with standards set forth by the Office of Management and Budget (OMB)

(15, 16). No data are available on this file for Hispanic origin; data by race include persons of Hispanic and non-Hispanic origin.

4. The “Other races” race category on the CMF includes: North, Central, and South American Indians, Eskimos, Aleuts, Chinese, Hawaiian, Japanese, Filipino, and Other Asian or Pacific Islanders.

5. During 1999-2002, all 50 States and the District of Columbia collected death data based on the 1989 revision of the U.S. Standard Certificate of Death **(7-10, 17)**. On this certificate, race data are collected using four single-race categories (American Indian or Alaska Native, Asian or Pacific Islander, black, white) in accordance with the 1977 OMB standards, allowing only a single race to be reported **(15)**.

In 2003, five areas (California, Idaho, Montana, New York City, and New York State) implemented the 2003 revision of the U.S. Standard Certificate of Death; in 2004, 7 additional areas (Michigan, New Hampshire, New Jersey, Oklahoma, South Dakota, Washington, and Wyoming) implemented it **(11, 12, 18)**. The race item on this certificate is compliant with the 1997 OMB standards, allowing one or more of five race categories to be reported **(16)**. In 2003 and 2004, multiple races could also be reported on the unrevised certificates of Hawaii, Maine, and Wisconsin). In order to provide uniformity and comparability of mortality data during the transition from the 1989 certificate to the 2003 certificate (before all or most of the data are available in the new multiple-race format), it is necessary to “bridge” the responses of those for whom more than one race is reported (multiple race) to one of the single-race categories. The bridging procedure is similar to the procedure used to bridge multiple race population estimates **(19)**. Multiple race decedents are imputed to a single race (either white, black, AIAN, or API) according to their combination of races, Hispanic origin, sex, and age indicated on the death certificate. The imputation procedure is described in detail at http://www.cdc.gov/nchs/data/dvs/Multiple_race_docu_5-10-04.pdf.

6. Beginning with data for 2001, NCHS introduced categories *U01-*U03 for deaths due to acts of terrorism (the asterisks before the codes indicate that they are not part of the ICD-10). Deaths classified to the terrorism categories are included in the categories for Assault (homicide) and Intentional Self-harm (suicide) in the 113 cause-of-death list. Additional information about these categories is available from: http://www.cdc.gov/nchs/about/otheract/icd9/terrorism_code.htm. Information about deaths resulting from the terrorist attacks on September 11, 2001, is available in the “Leading Causes of Death” section and the Technical Notes in *Deaths: Final Data for 2001* **(3)**.

7. For 1999-2002, geographic codes are based on results of the 1990 census. Beginning with the 2003 data year, the revised geographic coding manual was implemented. This resulted in the addition of codes for 2 counties: Denali, Alaska and Broomfield, Colorado. See [Appendix E](#).

8. The State and county FIPS codes contain leading zeros in both the 2-byte State code and the 3-byte county code.

File Specifications for the Mortality File

File names	Years	Number of records	Record Length	Format
MORT9904	1999-2004	6,448,610	23	ASCII

The file is sorted by locations 6-9, 1-5, 10, 11-12, 13-16.

Location	Field Size	Item and Code Outline	Format
		<u>FIPS Codes</u> (See Appendices E and F)	
1-2	2	FIPS State code	Numeric
3-5	3	FIPS county code	Numeric
6-9	4	<u>Year of death</u> (1999-2004)	Numeric
10	1	<u>Race-sex</u> 1 White male 2 White female 3 Black male 4 Black female 5 Other male 6 Other female	Numeric
11-12	2	<u>Age at death</u> 01 under 1 day 02 1-6 days 03 7-27 days 04 28-364 days 05 1-4 years 06 5-9 years 07 10-14 years 08 15-19 years 09 20-24 years 10 25-34 years 11 35-44 years 12 45-54 years 13 55-64 years 14 65-74 years 15 75-84 years 16 85+ years 99 Unknown	Numeric
13-16	4	<u>ICD-10 code for underlying cause-of-death</u>	Character
17-19	3	<u>113 Cause-of-Death Recode</u> (See Appendix A)	Numeric
20-23	4	<u>Number of deaths</u>	Numeric

Table 1. Number of deaths, by race and sex: United States, 1999-2004

Year	All races			White			Black			Other races		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	Number											
1999	2,391,399	1,175,460	1,215,939	2,061,348	1,005,335	1,056,013	285,064	145,703	139,361	44,987	24,422	20,565
2000	2,403,351	1,177,578	1,225,773	2,071,287	1,007,191	1,064,096	285,826	145,184	140,642	46,238	25,203	21,035
2001	2,416,425	1,183,421	1,233,004	2,079,691	1,011,218	1,068,473	287,709	145,908	141,801	49,025	26,295	22,730
2002	2,443,387	1,199,264	1,244,123	2,102,589	1,025,196	1,077,393	290,051	146,835	143,216	50,747	27,233	23,514
2003	2,448,288	1,201,964	1,246,324	2,103,714	1,025,650	1,078,064	291,300	148,022	143,278	53,274	28,292	24,982
2004	2,397,615	1,181,668	1,215,947	2,056,643	1,007,266	1,049,377	287,315	145,970	141,345	53,657	28,432	25,225

VI. Description of the Population File

The national, State, and county population estimates on the CMF are bridged-race estimates of the resident population of the United States produced by the U.S. Census Bureau in collaboration with NCHS (20-26). The population estimates for 1999 are bridged-race intercensal estimates of the resident population of the United States as of July 1 of the year. The population estimates for 2000 are bridged modified race April 1 census counts. The population estimates for 2001-2004 are July 1 bridged-race postcensal estimates from various Vintage series. A description of the population estimates on the CMF is provided in this section; general information about intercensal estimates, postcensal estimates, and bridged-race estimates is provided in [Appendix D](#).

[Table 2](#) shows the source of the population estimates. [Table 3](#) shows number of live births by year, race, and sex, and estimated U.S. population totals by year, race, sex, and geography of estimate (national, State, or county). [Table 4](#) shows estimated State populations (for estimate type=State) by year.

Specific details

1. National, State, and county population estimates can be identified by using the FIPS code in location 1-5 or the record type variable in location 148. National population records have a State FIPS code of "00" and a county FIPS code of "000" and a record type code of "1". State population records have a nonzero 2-digit State FIPS code and a county FIPS code of "000" and a record type code of "2". County population records have nonzero 2-digit State and 3-digit county FIPS codes. The record type value for county records is "3". See [Appendix F](#) for a complete listing of FIPS codes.
2. The State and county FIPS codes contain leading zeros in both the 2-byte State code and the 3-byte county code.
3. All of the population estimates on this file are derived from bridged-race population files. Race bridging refers to making data collected using one set of race categories consistent with data collected using a different set of race categories, to permit estimation and comparison of race-specific statistics at a point in time or over time. More specifically, race bridging is a method used to make multiple-race and single-race data collection systems sufficiently comparable to permit estimation and analysis of race-specific statistics. The multiple-race data collected on the 2000 census are not comparable with the single-race categories on the 1989 Revision of the Standard Certificate of Death (the certificate still used by most States). Therefore, multiple-race population estimates have been bridged to single-race categories. For more information see [Appendix D](#) and "Census populations with bridged-race categories" at <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm> (19, 27, 28).
4. **National, State, and county population estimates** - There are national, State, and county population estimates on the CMF. The national estimates are not revised annually when the file is updated to include an additional year of data so that the

national population estimates on the file will be the same as those used by NCHS to calculate published death rates. By contrast, the State and county estimates on the CMF are from the most recent postcensal series of population estimates (as applicable) and hence are revised annually when the file is updated to add another year of data. Users, who wish to replicate death rates published by NCHS, should use the national population estimates when calculating rates.

For all years, 1999-2004, the State and county population estimates are consistent with each other because the State estimates were derived by summing the county estimates (**Tables 2-4**). For 1999 and 2000 the national population estimates are consistent with both the State and county estimates as they are derived by summing the county-level estimates. For 2001 and beyond, the national population estimates are not consistent with the State or county estimates as they are not derived from the same postcensal series (**Tables 2-4**).

5. Live births and population under one year of age - To permit the calculation of infant mortality rates and maternal mortality rates, NCHS live-birth data are included on the CMF. The race code for live births is "race of mother" as stated on the birth certificate; whereas, the race code on infant death records is the race of decedent.

An estimate of the population under 1 year of age also is on the file. The estimates of the population under 1 year of age should be used when calculating rates for the total population. Note that if the estimate of the population under 1 year of age is used, the live birth counts should not be included in the population estimate.

6. Limitations of State and county population estimates - The State and county population estimates have been provided for age-race-sex groups for the user's convenience in aggregating to various groups. However, the limitations of the methodology used to derive State and county estimates are such that the U.S. Census Bureau does not consider the estimates to be accurate for each age-race-sex cell. The Census Bureau believes that aggregating the individual cells to larger groups will reduce the level of error. Further, although the estimates are not rounded, the U.S. Census Bureau does not consider the estimates to be accurate to the last digit. Additionally, although efforts were made to use the best available data and methods to produce the bridged-race population estimates, the modeling process introduces error into the estimates. The potential for error is greatest for the smallest population groups, particularly the smaller race groups and county level estimates.

7. Variance of population estimates – It is usually assumed that population estimates are fixed and do not contribute to the variance of rates. However, this is not true for bridged-race population estimates. Methodology to compute variances for rates calculated using bridged-race population estimates has been developed (**29**).

8. Source of population estimates

Table 2 summarizes the sources of the population data on the CMF.

Date of estimate	Geographic type		
	National	State	County
July 1, 1999	Intercensal	Intercensal	Intercensal
April 1, 2000	Modified –race census counts	Modified –race census counts	Modified –race census counts
July 1, 2001	Vintage 2001 postcensal series	Vintage 2005 postcensal series	Vintage 2005 postcensal series
July 1, 2002	Vintage 2002 postcensal series	Vintage 2005 postcensal series	Vintage 2005 postcensal series
July 1, 2003	Vintage 2003 postcensal series	Vintage 2005 postcensal series	Vintage 2005 postcensal series
July 1, 2004	Vintage 2004 postcensal series	Vintage 2005 postcensal series	Vintage 2005 postcensal series

¹ All source files are county-level and have bridged race categories.

1999 population estimates - National, State, and county population estimates for 1999 are bridged-race intercensal estimates of the July 1 resident population derived from the county-level file with estimates by 5-year age group (under 1, 1-4, 5-9,..., 85 years and over), sex, bridged-race (American Indian or Alaska Native, Asian or Pacific Islander, black, white) and Hispanic origin (not Hispanic or Latino, Hispanic or Latino) (20). The estimates were produced by the U.S. Census Bureau in collaboration with NCHS and with support from the National Cancer Institute. The national and State population estimates for 1999 on the CMF were obtained by summing the county estimates.

Derivation of the race-specific intercensal population estimates for the 1990s was complicated by the incomparability of the race data on the 1990 and the 2000 censuses. Before the intercensal estimates for the 1990s could be derived, the race groups on the 2000 census had to be made consistent with (bridged to) the race categories on the 1990 census (white, black, American Indian or Alaska Native, Asian or Pacific Islander) (19).

2000 population estimates - National, State, and county population estimates for 2000 are bridged-race estimates of the April 1, resident population derived from the county-level file with bridged modified-race census counts by single year of age, sex, bridged-race (American Indian or Alaska Native; Asian or Pacific Islander, black, white), Hispanic origin (not Hispanic or Latino, Hispanic or Latino) (21). Prior to bridging, the original census counts were modified by the U.S. Census Bureau to assign persons who reported their race as "other" to one of the 31 single- or multiple-race groups specified in the 1997 OMB standards on race and ethnicity (15, 16, 30). The Census Bureau, in collaboration with NCHS, bridged the resulting modified-race counts to the four single-race categories (white, black, American Indian or Alaska Native, and Asian or Pacific Islander) (19). The national and State

population estimates were obtained by summing the county estimates.

2001 population estimates - The national population estimates for 2001 are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2001 postcensal series (22). The State and county population estimates are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2005 postcensal series (26). Both the Vintage 2001 and the Vintage 2005 postcensal series have county-level estimates by single year of age (0 to 85 and over), sex, bridged-race (American Indian or Alaska Native, Asian or Pacific Islander, black, white), and Hispanic origin (not Hispanic or Latino, Hispanic or Latino). The bridged-race estimates were produced by the U.S. Census Bureau in collaboration with NCHS by bridging the 31-race postcensal series (19). The State estimates were obtained by summing the county estimates, so the State and county estimates are consistent with each other. The national estimates for 2001, however, are not consistent with the State and county estimates.

2002 population estimates - The national population estimates for 2002 are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2002 postcensal series (23). The State and county population estimates are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2005 postcensal series (26). Both the Vintage 2002 and the Vintage 2005 postcensal series have county-level estimates by single year of age (0 to 85 and over), sex, bridged-race (American Indian or Alaska Native, Asian or Pacific Islander, black, white), and Hispanic origin (not Hispanic or Latino, Hispanic or Latino). The bridged-race estimates were produced by the U.S. Census Bureau in collaboration with NCHS by bridging the 31-race postcensal series (19). The State estimates were obtained by summing the county estimates, so the State and county estimates are consistent with each other. The national estimates for 2002, however, are not consistent with the State and county estimates.

2003 population estimates - The national population estimates for 2003 are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2003 postcensal series (24). The State and county population estimates are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2005 postcensal series (26). Both the Vintage 2003 and the Vintage 2005 postcensal series have county-level estimates by single year of age (0 to 85 and over), sex, bridged-race (American Indian or Alaska Native, Asian or Pacific Islander, black, white), and Hispanic origin (not Hispanic or Latino, Hispanic or Latino). The bridged-race estimates were produced by the U.S. Census Bureau in collaboration with NCHS by bridging the 31-race postcensal series (19). The State estimates were obtained by summing the county estimates, so the State and county estimates are consistent with each other. The national estimates for 2003, however, are not consistent with the State and county estimates.

2004 population estimates - The national population estimates for 2004 are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2004 postcensal series (25). The State and county population estimates are bridged-race estimates of the July 1 resident population derived from

the bridged-race Vintage 2005 postcensal series (26). Both the Vintage 2004 and the Vintage 2005 postcensal series have county-level estimates by single year of age (0 to 85 and over), sex, bridged-race (American Indian or Alaska Native, Asian or Pacific Islander, black, white), and Hispanic origin (not Hispanic or Latino, Hispanic or Latino). The bridged-race estimates were produced by the U.S. Census Bureau in collaboration with NCHS by bridging the 31-race postcensal series (19). The State estimates were obtained by summing the county estimates, so the State and county estimates are consistent with each other. The national estimates for 2004, however, are not consistent with the State and county estimates.

File Specifications for the Population File

File name	Years	Number of records	Record length	Format
POP9904	1999-2004	114,912	148	ASCII

The file is sorted by locations 6-9, 1-5, 10.

Location	Field Size	Item and Code Outline	Format
		<u>FIPS codes</u> (See Appendices E and F)	
1-2	2	FIPS State code	Numeric
3-5	3	FIPS county code	Numeric
6-9	4	<u>Year (1999-2004)</u>	Numeric
10	1	<u>Race-sex</u> 1 White male 2 White female 3 Black male 4 Black female 5 Other male 6 Other female	Numeric
11-18	8	<u>Number of live births</u>	Numeric
19-26	8	<u>Population in age group: <1 year</u>	Numeric
27-34	8	<u>Population in age group: 1-4 years</u>	Numeric
35-42	8	<u>Population in age group: 5-9 years</u>	Numeric
43-50	8	<u>Population in age group: 10-14 years</u>	Numeric
51-58	8	<u>Population in age group: 15-19 years</u>	Numeric
59-66	8	<u>Population in age group: 20-24 years</u>	Numeric
67-74	8	<u>Population in age group: 25-34 years</u>	Numeric
75-82	8	<u>Population in age group: 35-44 years</u>	Numeric
83-90	8	<u>Population in age group: 45-54 years</u>	Numeric
91-98	8	<u>Population in age group: 55-64 years</u>	Numeric
99-106	8	<u>Population in age group: 65-74 years</u>	Numeric
107-114	8	<u>Population in age group: 75-84 years</u>	Numeric
115-122	8	<u>Population in age group: 85+ years</u>	Numeric

Location	Field Size	Item and Code Outline	Format
123-147	25	<u>County name</u> (See Appendix F)	Character
148	1	<u>Record type</u> 1 National population record 2 State population record 3 County population record	Numeric

Table 3. Number of live births and estimated resident population according to sex, race, year of estimate and type of estimate: United States, 1999-2004

Year	All races			White			Black			Other races		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Live births												
1999	3,959,417	2,026,854	1,932,563	3,132,501	1,605,603	1,526,898	605,970	307,670	298,300	220,946	113,581	107,365
2000	4,058,814	2,076,969	1,981,845	3,194,005	1,636,081	1,557,924	622,598	316,115	306,483	242,211	124,773	117,438
2001	4,025,933	2,057,922	1,968,011	3,177,626	1,625,511	1,552,115	606,156	307,834	298,322	242,151	124,577	117,574
2002	4,021,726	2,057,979	1,963,747	3,174,760	1,626,303	1,548,457	593,691	301,498	292,193	253,275	130,178	123,097
2003	4,089,950	2,093,535	1,996,415	3,225,848	1,652,146	1,573,702	599,847	305,207	294,640	264,255	136,182	128,073
2004	4,112,052	2,104,661	2,007,391	3,222,928	1,650,697	1,572,231	616,074	313,896	302,178	273,050	140,068	132,982
Resident population												
July 1, 1999												
National estimates ¹	279,040,168	136,802,873	142,237,295	228,687,790	112,695,874	115,991,916	36,173,121	17,195,091	18,978,030	14,179,257	6,911,908	7,267,349
State estimates ¹	279,040,168	136,802,873	142,237,295	228,687,790	112,695,874	115,991,916	36,173,121	17,195,091	18,978,030	14,179,257	6,911,908	7,267,349
County estimates ¹	279,040,168	136,802,873	142,237,295	228,687,790	112,695,874	115,991,916	36,173,121	17,195,091	18,978,030	14,179,257	6,911,908	7,267,349
April 1, 2000												
National estimates ²	281,421,906	138,053,563	143,368,343	230,085,762	113,445,038	116,640,724	36,594,309	17,407,029	19,187,280	14,741,835	7,201,496	7,540,339
State estimates ²	281,421,906	138,053,563	143,368,343	230,085,762	113,445,038	116,640,724	36,594,309	17,407,029	19,187,280	14,741,835	7,201,496	7,540,339
County estimates ²	281,421,906	138,053,563	143,368,343	230,085,762	113,445,038	116,640,724	36,594,309	17,407,029	19,187,280	14,741,835	7,201,496	7,540,339
July 1, 2001												
National estimates ³	284,796,887	139,813,108	144,983,779	232,351,696	114,659,071	117,692,625	37,196,779	17,710,410	19,486,369	15,248,410	7,443,625	7,804,785
State estimates ⁷	285,107,929	140,015,888	145,092,041	232,558,450	114,802,361	117,756,089	37,213,271	17,720,029	19,493,242	15,336,208	7,493,498	7,842,710
County estimates ⁷	285,107,929	140,015,888	145,092,041	232,558,450	114,802,361	117,756,089	37,213,271	17,720,029	19,493,242	15,336,208	7,493,498	7,842,710
July 1, 2002												
National estimates ⁴	288,368,706	141,660,980	146,707,726	234,746,440	115,966,453	118,779,987	37,747,692	17,978,612	19,769,080	15,874,574	7,715,915	8,158,659
State estimates ⁷	287,984,805	141,542,451	146,442,354	234,479,729	115,854,876	118,624,853	37,683,551	17,956,274	19,727,277	15,821,525	7,731,301	8,090,224
County estimates ⁷	287,984,805	141,542,451	146,442,354	234,479,729	115,854,876	118,624,853	37,683,551	17,956,274	19,727,277	15,821,525	7,731,301	8,090,224
July 1, 2003												
National estimates ⁵	290,810,789	143,037,290	147,773,499	236,349,420	116,875,095	119,474,325	38,148,112	18,190,193	19,957,919	16,313,257	7,972,002	8,341,255
State estimates ⁷	290,850,005	143,057,818	147,792,187	236,403,053	116,902,071	119,500,982	38,143,750	18,187,728	19,956,022	16,303,202	7,968,019	8,335,183
County estimates ⁷	290,850,005	143,057,818	147,792,187	236,403,053	116,902,071	119,500,982	38,143,750	18,187,728	19,956,022	16,303,202	7,968,019	8,335,183
July 1, 2004												
National estimates ⁶	293,655,404	144,537,402	149,118,002	238,268,102	117,915,508	120,352,594	38,600,765	18,416,886	20,183,879	16,786,537	8,205,008	8,581,529
State estimates ⁷	293,656,842	144,535,403	149,121,439	238,285,011	117,920,556	120,364,455	38,608,953	18,421,010	20,187,943	16,762,878	8,193,837	8,569,041
County estimates ⁷	293,656,842	144,535,403	149,121,439	238,285,011	117,920,556	120,364,455	38,608,953	18,421,010	20,187,943	16,762,878	8,193,837	8,569,041

¹ These population estimates are derived from the bridged-race intercensal estimates (20)

² These population estimates are derived from the bridged-race April 1, 2000 census counts (21)

³ These population estimates are derived from the bridged-race Vintage 2001 postcensal series (22)

⁴ These population estimates are derived from the bridged-race Vintage 2002 postcensal series (23)

⁵ These population estimates are derived from the bridged-race Vintage 2003 postcensal series (24)

⁶ These population estimates are derived from the bridged-race Vintage 2004 postcensal series (25)

⁷ These population estimates are derived from the bridged-race Vintage 2005 postcensal series (26)

Note: The national population estimates in this table for 2001-2004 are from the Vintage 2001-Vintage 2004 postcensal series and differ from the national estimates in Table 4 because those estimates were obtained from the Vintage 2005 postcensal series.

Table 4. Estimated resident population of each State and the District of Columbia by year:
United States, 1999-2004

Area	Year					
	July 1, 1999 ¹	April 1, 2000 ²	July 1, 2001 ³	July 1, 2002 ³	July 1, 2003 ³	July 1, 2004 ³
United States	279,040,168	281,421,906	285,107,923	287,984,799	290,850,005	293,656,842
Alabama	4,430,141	4,447,100	4,467,461	4,480,139	4,501,862	4,525,375
Alaska	624,779	626,932	632,249	640,699	648,510	657,755
Arizona	5,023,823	5,130,632	5,295,929	5,438,159	5,577,784	5,739,879
Arkansas	2,651,860	2,673,400	2,691,581	2,706,606	2,726,166	2,750,000
California	33,499,204	33,871,648	34,526,660	34,988,088	35,456,602	35,842,038
Colorado	4,226,018	4,301,261	4,427,016	4,498,407	4,548,071	4,601,821
Connecticut	3,386,401	3,405,565	3,432,463	3,458,382	3,485,881	3,498,966
Delaware	774,990	783,600	795,417	805,767	817,827	830,069
District of Columbia	570,213	572,059	569,321	564,624	557,846	554,239
Florida	15,759,421	15,982,378	16,350,565	16,677,860	16,993,369	17,385,430
Georgia	8,045,965	8,186,453	8,415,600	8,581,731	8,746,849	8,918,129
Hawaii	1,210,300	1,211,537	1,221,855	1,234,401	1,248,200	1,262,124
Idaho	1,275,674	1,293,953	1,321,162	1,343,973	1,368,111	1,395,140
Illinois	12,359,020	12,419,293	12,518,506	12,586,839	12,649,940	12,712,016
Indiana	6,044,969	6,080,485	6,125,677	6,154,739	6,196,269	6,226,537
Iowa	2,917,634	2,926,324	2,931,272	2,934,340	2,941,362	2,952,904
Kansas	2,678,338	2,688,418	2,700,879	2,712,454	2,724,224	2,733,697
Kentucky	4,018,053	4,041,769	4,066,908	4,088,510	4,116,780	4,141,835
Louisiana	4,460,811	4,468,976	4,465,258	4,475,003	4,490,380	4,506,685
Maine	1,266,808	1,274,923	1,286,350	1,296,978	1,308,245	1,314,985
Maryland	5,254,509	5,296,486	5,379,591	5,442,268	5,512,477	5,561,332
Massachusetts	6,317,345	6,349,097	6,394,750	6,411,568	6,417,565	6,407,382
Michigan	9,897,116	9,938,444	10,002,663	10,039,379	10,078,146	10,104,206
Minnesota	4,873,481	4,919,479	4,984,621	5,023,526	5,061,662	5,096,546
Mississippi	2,828,408	2,844,658	2,857,577	2,866,349	2,880,793	2,900,768
Missouri	5,561,948	5,595,211	5,643,326	5,681,045	5,718,717	5,759,532
Montana	897,507	902,195	906,098	910,395	917,885	926,920
Nebraska	1,704,764	1,711,263	1,718,965	1,726,753	1,738,013	1,747,704
Nevada	1,934,718	1,998,257	2,094,827	2,167,867	2,241,700	2,332,898
New Hampshire	1,222,014	1,235,786	1,258,546	1,274,666	1,287,594	1,299,169
New Jersey	8,359,592	8,414,350	8,504,864	8,576,089	8,640,028	8,685,166
New Mexico	1,808,082	1,819,046	1,832,608	1,855,400	1,879,252	1,903,006
New York	18,882,725	18,976,457	19,091,210	19,164,755	19,228,031	19,280,727
North Carolina	7,949,361	8,049,313	8,198,279	8,312,755	8,422,375	8,540,468
North Dakota	644,259	642,200	636,239	633,571	633,051	636,308
Ohio	11,335,454	11,353,140	11,384,992	11,404,651	11,431,748	11,450,143
Oklahoma	3,437,147	3,450,654	3,465,778	3,487,076	3,504,917	3,523,546
Oregon	3,393,941	3,421,399	3,473,484	3,522,342	3,562,681	3,591,363
Pennsylvania	12,263,805	12,281,054	12,296,063	12,324,415	12,364,930	12,394,471
Rhode Island	1,040,402	1,048,319	1,058,365	1,068,550	1,075,729	1,079,916
South Carolina	3,974,682	4,012,012	4,059,615	4,102,568	4,146,753	4,197,892
South Dakota	750,412	754,844	758,068	760,368	764,599	770,621
Tennessee	5,638,706	5,749,398	5,746,831	5,790,312	5,841,585	5,893,298
Texas	20,558,220	21,370,983	21,333,606	21,722,394	22,099,136	22,471,549
Utah	2,203,482	2,278,712	2,287,736	2,336,673	2,378,696	2,420,708

Table 4 (contd.)

Area	Year					
	July 1, 1999	April 1, 2000	July 1, 2001	July 1, 2002	July 1, 2003	July 1, 2004
Vermont	604,683	612,978	612,824	616,274	619,092	621,233
Virginia	7,000,174	7,196,750	7,191,941	7,286,061	7,383,387	7,481,332
Washington	5,842,564	5,993,390	5,992,412	6,066,319	6,131,131	6,207,046
West Virginia	1,811,799	1,800,975	1,801,438	1,804,529	1,810,347	1,812,548
Wisconsin	5,332,666	5,363,675	5,404,432	5,439,137	5,471,792	5,503,533
Wyoming	491,780	493,782	494,045	499,045	501,915	505,887

¹ These population estimates are derived from the bridged-race intercensal estimates (20)

² These population estimates are derived from the bridged-race April 1, 2000 census counts (21)

³ These population estimates are derived from the bridged-race Vintage 2005 postcensal series (26)

Note: The United States population estimates for 2001-2004 in this table were obtained from the Vintage 2005 postcensal series. They differ from the national population estimates for 2001-2004 in Table 3 because those estimates are from the Vintage 2001-Vintage 2004 postcensal series.

APPENDIX A

ICD-10 113 Selected Causes of Death List

The codes for the ICD-10 List of 113 Selected Causes of Death (used for deaths of all ages) are included on the CMF (Table 5). This tabulation list is the ICD-10 equivalent of the ICD-9 72-cause list. All of the ICD-10 tabulation lists are published in the NCHS Instruction Manual, Part 9, ICD-10 Cause-of-Death Lists for Tabulating Mortality Statistics, Effective 1999 **(31)**.

Table 5. Tenth Revision 113 selected causes of death list, adapted by CHS

Code	Sex	Age	ICD-10 cause-of-death title and codes
113		limited ¹	
001			Salmonella infections (A01-A02)
002			Shigellosis and amebiasis (A03,A06)
003			Certain other intestinal infections (A04,A07-A09)
004*			Tuberculosis (A16-A19)
005			Respiratory tuberculosis (A16)
006			Other tuberculosis (A17-A19)
007			Whooping cough (A37)
008			Scarlet fever and erysipelas (A38,A46)
009			Meningococcal infection (A39)
010	3		Septicemia (A40-A41)
011			Syphilis (A50-A53)
012			Acute poliomyelitis (A80)
013			Arthropod-borne viral encephalitis (A83-A84,A85.2)
014			Measles (B05)
015			Viral hepatitis (B15-B19)
016			Human immunodeficiency virus (HIV) disease (B20-B24)
017			Malaria (B50-B54)
018			Other and unspecified infectious and parasitic diseases and their sequella (A00,A05,A20-A36,A42-A44,A48-A49,A54-A79,A81-A82, A85.0-A85.1,A85.8,A86-B04,B06-B09,B25-B49,B55-B99)
019*			Malignant neoplasms (C00-C97)
020			Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)
021			Malignant neoplasm of esophagus (C15)
022			Malignant neoplasm of stomach (C16)
023			Malignant neoplasms of colon, rectum and anus (C18-C21)
024			Malignant neoplasms of liver and intrahepatic bile ducts (C22)
025			Malignant neoplasm of pancreas (C25)
026			Malignant neoplasm of larynx (C32)
027			Malignant neoplasms of trachea, bronchus and lung (C33-C34)
028			Malignant melanoma of skin (C43)
029			Malignant neoplasm of breast (C50)
030	F		Malignant neoplasm of cervix uteri (C53)
031	F		Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)
032	F		Malignant neoplasm of ovary (C56)
033	M		Malignant neoplasm of prostate (C61)
034			Malignant neoplasms of kidney and renal pelvis (C64-C65)
035			Malignant neoplasm of bladder (C67)
036			Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)

Recode Sex Age ICD-10 Cause-of-death Title and Codes

037*		Malignant neoplasms of lymphoid, hematopoietic and related Tissue (C81-C96)
038		Hodgkin's disease (C81)
039		Non-Hodgkin's lymphoma (C82-C85)
040		Leukemia (C91-C95)
041		Multiple myeloma and immunoproliferative neoplasms (C88,C90)
042		Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)
043		All other and unspecified malignant neoplasms (C17,C23-C24, C26-C31,C37-C41, C44-C49,C51-C52,C57-C60,C62-C63, C66,C68-C69,C73-C80, C97)
044		In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)
045		Anemias (D50-D64)
046	3	Diabetes mellitus (E10-E14)
047*		Nutritional deficiencies (E40-E64)
048		Malnutrition (E40-E46)
049		Other nutritional deficiencies (E50-E64)
050		Meningitis (G00,G03)
051		Parkinson's disease (G20-G21)
052		Alzheimer's disease (G30)
053*		Major cardiovascular diseases (I00-I78)
054*		Diseases of heart (I00-I09,I11,I13,I20-I51)
055		Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)
056		Hypertensive heart disease (I11)
057		Hypertensive heart and renal disease (I13)
058*		Ischemic heart diseases (I20-I25)
059		Acute myocardial infarction (I21-I22)
060		Other acute ischemic heart diseases (I24)
061*		Other forms of chronic ischemic heart disease (I20,I25)
062		Atherosclerotic cardiovascular disease, so described (I25.0)
063		All other forms of chronic ischemic heart disease (I20,I25.1-I25.9)
064*		Other heart diseases (I26-I51)
065		Acute and subacute endocarditis (I33)
066		Diseases of pericardium and acute myocarditis (I30-I31,I40)
067		Heart failure (I50)
068		All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)
069		Essential (primary) hypertension and hypertensive renal disease (I10,I12)
070		Cerebrovascular diseases (I60-I69)
071		Atherosclerosis (I70)
072*		Other diseases of circulatory system (I71-I78)
073		Aortic aneurysm and dissection (I71)
074		Other diseases of arteries, arterioles and capillaries (I72-I78)
075		Other disorders of circulatory system (I80-I99)

Table 5. Tenth Revision 113 selected causes of death list, adapted by NCHS

Code		
113	limited	
Recode Sex Age ICD-10 Case-of-death Title and Codes		
076*		Influenza and pneumonia (J10-J18)
077		Influenza (J10-J11)
078		Pneumonia (J12-J18)
079*		Other acute lower respiratory infections (J20-J22)
080		Acute bronchitis and bronchiolitis (J20-J21)
081		Unspecified acute lower respiratory infection (J22)
082*		Chronic lower respiratory diseases (J40-J47)
083		Bronchitis, chronic and unspecified (J40-J42)
084	3	Emphysema (J43)
085		Asthma (J45-J46)
086		Other chronic lower respiratory diseases (J44,J47)
087		Pneumoconiosis and chemical effects (J60-J66,J68)
088		Pneumonitis due to solids and liquids (J69)
089		Other diseases of respiratory system J00-J06,J30-J39,J67,J70-J98)
090		Peptic ulcer (K25-K28)
091		Diseases of appendix (K35-K38)
092		Hernia (K40-K46)
093*		Chronic liver disease and cirrhosis (K70,K73-K74)
094		Alcoholic liver disease (K70)
095		Other chronic liver disease and cirrhosis (K73-K74)
096		Cholelithiasis and other disorders of gallbladder (K80-K82)
097*		Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)
098		Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01, N04)
099		Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified (N02-N03, N05-N07,N26)
100		Renal failure (N17-N19)
101		Other disorders of kidney (N25,N27)
102		Infections of kidney (N10-N12,N13.6,N15.1)
103	M	Hyperplasia of prostate (N40)
104	F	Inflammatory diseases of female pelvic organs (N70-N76)
105*	F 2	Pregnancy, childbirth and the puerperium (O00-O99)
106	F 2	Pregnancy with abortive outcome (O00-O07)
107	F 2	Other complications of pregnancy, childbirth and the puerperium(O10-O99)
108		Certain conditions originating in the perinatal period (P00-P96)
109		Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
110		Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)
111		All other diseases (Residual) (D65-E07,E15-E34,E65-F99,G04-G12, G23-G25,G31-H93,K00-K22,K29-K31,K50-K66,K71-K72, K75-K76, K83-M99,N13.0-N13.5,N13.7-N13.9,N14,N15.0, N15.8-N15.9, N20-N23, N28-N39,N41-N64,N80-N98)

Table 5. Tenth Revision 113 selected causes of death list, adapted by NCHS

Code	
113	limited
Recode Sex Age	ICD-10 Cause-of-death Title and Codes
112*	Accidents (unintentional injuries) (V01-X59,Y85-Y86)
113*	Transport accidents (V01-V99,Y85)
114	Motor vehicle accidents (V02-V04,V09.0,V09.2,V12-V14, V19.0-V19.2,V19.4-V19.6, V20-V79, V80.3-V80.5,V81.0-V81.1, V82.0-V82.1,V83-V86,V87.0-V87.8,V88.0-V88.8,V89.0,V89.2)
115	Other land transport accidents V01,V05-V06,V09.1,V09.3-V09.9,; V10-V11,V15-V18,V19.3,V19.8-V19.9,V80.0-V80.2,V80.6-V80.9 V81.2-V81.9,V82.2-V82.9,V87.9,V88.9,V89.1,V89.3,V89.9)
116	Water, air and space, and other and unspecified transport accidents and their sequella (V90-V99,Y85)
117*	Nontransport accidents (W00-X59,Y86)
118	Falls (W00-W19)
119	Accidental discharge of firearms (W32-W34)
120	Accidental drowning and submersion (W65-W74)
121	Accidental exposure to smoke, fire and flames (X00-X09)
122	Accidental poisoning and exposure to noxious substances (X40-X49)
123	Other and unspecified nontransport accidents and their sequella (W20-W31,W35-W64,W75-W99,X10-X39,X50-X59,Y86)
124*	Intentional self-harm suicide) (U03,X60-X84,Y87.0 (
125	Intentional self-harm (suicide) by discharge of firearms (X72-X74)
126	Intentional self-harm (suicide) by other and unspecified means and their sequella (*U03,X60-X71,X75-X84,Y87.0)
127*	Assault (homicide) (*U01.0-*U01.-*U01.9,*U02,X85-Y09,Y87.1)
128	Assault (homicide) by discharge of firearms (*U01.4,X93-X95)
129	Assault (homicide) by other and unspecified means and their sequella (*U01.0-*U01.3,*U01.5-*U01.9,*U02,X85-X92,X96-Y09,Y87.1)
130	Legal intervention (Y35,Y89.0)
131*	Events of undetermined intent (Y10-Y34,Y87.2,Y89.9)
132	Discharge of firearms, undetermined intent (Y22-Y24)
133	Other and unspecified events of undetermined intent and their sequella(Y10-Y21,Y25-Y34,Y87.2,Y89.9)
134	Operations of war and their sequella (Y36,Y89.1)
135	Complications of medical and surgical care (Y40-Y84,Y88)

*This code is not on the file. The subcodes for this category are on the file.

¹The use of some 113-cause codes is limited to a particular sex and/or age group, as indicated: Sex limited: M-limited to males, F=limited to females

Age limited: 1=limited to ages 5 and over; 2 = limited to ages 10-54;
3 = limited to ages 28 days and over

APPENDIX B

Comparability between ICD-9 and ICD-10 for Mortality

In the United States, ICD-10 replaced ICD-9 beginning with the 1999 data year. ICD-10 differs from ICD-9 in many ways, including considerably greater detail; shifts of inclusion terms and titles from one category, section, or chapter to another; regroupings of diseases; new titles and sections; and modifications in coding rules (13, 14). As a result, serious breaks occur in comparability for a number of causes of death. Measures of this discontinuity (usually comparability ratios) are essential to the interpretation of mortality trends. A comparability ratio is used to adjust mortality statistics for a selected cause of death classified by the previous ICD to be comparable to those for the same cause classified by the new revision. The ratio is calculated by dividing the number of deaths for a selected cause of death classified by the new revision by the number of deaths classified to the most nearly comparable cause of death by the previous revision. A comparability ratio of 1.00 indicates that the same number of deaths was assigned to a particular cause or combination of causes whether the Ninth or Tenth Revision was used. A ratio showing perfect correspondence (1.00) between the two revisions does not necessarily indicate that the cause was unaffected by changes in classification and coding procedures but merely that there was no net change. A ratio of less than 1.00 results from a decrease in assignments of death to a cause in ICD-10 compared with ICD-9. A ratio of more than 1.00 results from an increase in assignments of deaths to a cause in ICD-10 compared with the comparable ICD-9 cause. Table 6 shows the comparability ratios for the 113 cause-of-death list.

For further explanation of comparability issues and a description of the comparability study for ICD-9 to ICD-10 refer to the report, *Comparability of cause of death between ICD-9 and ICD-10: Preliminary estimates* (14).

Table 6. Comparable category codes and estimated comparability ratios for 113 selected causes of death, Injury by firearms, Drug-induced deaths and Alcohol-induced deaths according to the Ninth and Tenth Revisions, International Classification of Diseases

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Standard error	Relative Std. error	95 percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Salmonella infections.....	A01-A02	002-003	30	37	0.8108	0.0644	7.9	0.6846	0.9370
Shigellosis and amebiasis.....	A03,A06	004,006	*	*	*	*	*	*	*
Certain other intestinal infections.....	A04,A07-A09	007-009	*	*	*	*	*	*	*
Tuberculosis.....	A16-A19	010-018	653	764	0.8547	0.0172	2.0	0.8209	0.8885
Respiratory tuberculosis.....	A16	010-012	518	572	0.9056	0.0201	2.2	0.8662	0.9450
Other tuberculosis.....	A17-A19	013-018	135	192	0.7031	0.0407	5.8	0.6233	0.7830
Whooping cough.....	A37	033	*	*	*	*	*	*	*
Scarlet fever and erysipelas.....	A38,A46	034.1-035	*	*	*	*	*	*	*
Meningococcal infection.....	A39	036	221	222	0.9955	0.0149	1.5	0.9663	1.0247
Septicemia.....	A40-A41	038	21,258	17,791	1.1949	0.0042	0.3	1.1867	1.2030
Syphilis.....	A50-A53	090-097	21	33	0.6364	0.1184	18.6	0.4043	0.8685
Acute poliomyelitis.....	A80	045	*	*	*	*	*	*	*
Arthropod-borne viral encephalitis.....	A83-A84,A85.2	062-064	*	*	*	*	*	*	*
Measles.....	B05	055	*	*	*	*	*	*	*
Viral hepatitis.....	B15-B19	070	1,123	1,346	0.8343	0.0120	1.4	0.8109	0.8578
Human immunodeficiency virus (HIV) disease.....	B20-B24	*042-*044	12,765	11,150	1.1448	0.0045	0.4	1.1360	1.1536
Malaria.....	B50-B54	084	*	*	*	*	*	*	*
Other and unspecified infectious and parasitic diseases and their sequelae.....	A00,A05,A20-A36,A42-A44,A48-A49,A54-A79,A81-A82,A85.0-A85.1,A85.8,A86-B04	001,005,020-032,037,039-041,046-054,056-061							
	B06-B09,B25-B49,B55-B99	098-134,136-139,771.3	2,865	2,607	1.0990	0.0154	1.4	1.0688	1.1291
Malignant neoplasms.....	C00-C97	140-208	464,688	461,544	1.0068	0.0002	0.0	1.0064	1.0072
Malignant neoplasms of lip, oral cavity and pharynx.....	C00-C14	140-149	5,927	6,172	0.9603	0.0040	0.4	0.9525	0.9681
Malignant neoplasm of esophagus.....	C15	150	9,596	9,630	0.9965	0.0020	0.2	0.9926	1.0003
Malignant neoplasm of stomach.....	C16	151	11,480	11,408	1.0063	0.0019	0.2	1.0025	1.0101
Malignant neoplasms of colon, rectum and anus.....	C18-C21	153-154	48,583	48,619	0.9993	0.0009	0.1	0.9975	1.0010
Malignant neoplasms of liver and intrahepatic bile ducts..	C22	155	9,732	10,102	0.9634	0.0023	0.2	0.9588	0.9679
Malignant neoplasm of pancreas.....	C25	157	24,313	24,361	0.9980	0.0009	0.1	0.9963	0.9997
Malignant neoplasm of larynx.....	C32	161	3,209	3,194	1.0047	0.0053	0.5	0.9943	1.0150
Malignant neoplasms of trachea, bronchus and lung.....	C33-C34	162	131,750	133,936	0.9837	0.0005	0.1	0.9827	0.9846
Malignant melanoma of skin.....	C43	172	5,941	6,139	0.9677	0.0032	0.3	0.9614	0.9741
Malignant neoplasm of breast.....	C50	174-175	38,102	37,891	1.0056	0.0010	0.1	1.0036	1.0075
Malignant neoplasm of cervix uteri.....	C53	180	3,753	3,802	0.9871	0.0034	0.3	0.9805	0.9938
Malignant neoplasms of corpus uteri and uterus, Part unspecified.....	C54-C55	179,182	5,318	5,183	1.0260	0.0040	0.4	1.0182	1.0339
Malignant neoplasm of ovary.....	C56	183.0	11,292	11,344	0.9954	0.0016	0.2	0.9923	0.9985

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Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Standard error	Relative Std. error	95 percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Malignant neoplasm of prostate	C61	185	30,672	30,267	1.0134	0.0015	0.1	1.0105	1.0162
Malignant neoplasms of kidney and renal pelvis	C64-C65	189.0,189.1	9,521	9,521	1.0000	0.0022	0.2	0.9957	1.0043
Malignant neoplasm of bladder	C67	188	9,563	9,594	0.9968	0.0026	0.3	0.9916	1.0019
Malignant neoplasms of meninges, brain and other parts of central nervous system	C70-C72	191-192	10,039	10,359	0.9691	0.0025	0.3	0.9642	0.9740
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81-C96	200-208	44,715	44,530	1.0042	0.0012	0.1	1.0019	1.0064
Hodgkin's disease	C81	201	1,021	1,036	0.9855	0.0089	0.9	0.9680	1.0030
Non-Hodgkin's lymphoma	C82-C85	200,202	17,924	18,326	0.9781	0.0018	0.2	0.9745	0.9817
Leukemia	C91-C95	204-208	16,600	16,405	1.0119	0.0019	0.2	1.0083	1.0155
Multiple myeloma and immunoproliferative neoplasms. Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C88,C90	203	9,099	8,763	1.0383	0.0030	0.3	1.0324	1.0443
All other and unspecified malignant neoplasms	C96	---	*	*	*	*	*	*	*
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	C17,C23-C24,C26-C31,C37-C41,C44-C49,C51-C52,C57-C60,C62-C63	152,156,158-160,163-171,173,181,183.2-184,186-187,189.2-190,193-199	51,182	45,492	1.1251	0.0021	0.2	1.1210	1.1292
D00-D48	210-239	9,263	5,532	1.6744	0.0164	1.0	1.6422	1.7067	
Anemias	D50-D64	280-285	3,059	3,200	0.9559	0.0077	0.8	0.9409	0.9710
Diabetes mellitus	E10-E14	250	48,636	48,242	1.0082	0.0011	0.1	1.0060	1.0103
Nutritional deficiencies	E40-E64	260-269	3,215	2,763	1.1636	0.0165	1.4	1.1312	1.1960
Malnutrition	E40-E46	260-263	2,607	2,665	0.9782	0.0151	1.5	0.9487	1.0078
Other nutritional deficiencies	E50-E64	264-269	608	98	6.2041	0.5961	9.6	5.0358	7.3724
Meningitis	G00,G03	320-322	592	584	1.0137	0.0136	1.3	0.9871	1.0403
Parkinson's disease	G20-G21	332	10,404	10,392	1.0012	0.0028	0.3	0.9956	1.0067
Alzheimer's disease	G30	331.0	29,707	19,121	1.5536	0.0071	0.5	1.5398	1.5675
Major cardiovascular diseases	I00-I78	390-434,436-448	796,919	798,435	0.9981	0.0002	0.0	0.9977	0.9985
Diseases of heart	I00-I09,I11,I13,I20-I51	390-398,402,404,410-429	615,564	624,405	0.9858	0.0002	0.0	0.9854	0.9863
Acute rheumatic fever and chronic rheumatic heart diseases	I00-I09	390-398	2,446	2,980	0.8208	0.0089	1.1	0.8034	0.8382
Hypertensive heart disease	I11	402	17,322	21,577	0.8028	0.0028	0.3	0.7973	0.8083
Hypertensive heart and renal disease	I13	404	2,170	2,027	1.0705	0.0160	1.5	1.0392	1.1019
Ischemic heart diseases	I20-I25	410-414,429.2	466,459	466,935	0.9990	0.0002	0.0	0.9985	0.9994
Acute myocardial infarction	I21-I22	410	178,125	180,169	0.9887	0.0003	0.0	0.9880	0.9893
Other acute ischemic heart diseases	I24	411	2,667	2,638	1.0110	0.0117	1.2	0.9880	1.0340
Other forms of chronic ischemic heart disease	I20,I25	412-414,429.2	285,667	284,128	1.0054	0.0004	0.0	1.0046	1.0062
Atherosclerotic cardiovascular disease, so described	I25.0	429.2	64,354	61,362	1.0488	0.0016	0.2	1.0456	1.0519

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Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Standard error	Relative Std. error	95 percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
All other forms of chronic ischemic heart disease	I20,I25.1-I25.9	412-414	221,313	222,766	0.9935	0.0004	0.0	0.9927	0.9942
Other heart diseases	I26-I51	415-429.1,429.3-429.9	127,167	130,886	0.9716	0.0010	0.1	0.9696	0.9736
Acute and subacute endocarditis	I33	421	552	554	0.9964	0.0137	1.4	0.9695	1.0233
Diseases of pericardium and acute myocarditis	I30-I31,I40	420,422-423	489	475	1.0295	0.0160	1.6	0.9981	1.0608
Heart failure	I50	428	44,297	42,554	1.0410	0.0013	0.1	1.0384	1.0435
All other forms of heart disease	I26-I28,I34-I38,I42-I49,I51	415-417,424-427,429.0-429.1, 429.3-429.9	81,829	87,303	0.9373	0.0014	0.2	0.9345	0.9401
Essential (primary) hypertension and hypertensive renal Disease	I10,I12	401,403	11,958	10,684	1.1192	0.0050	0.4	1.1094	1.1291
Cerebrovascular diseases	I60-I69	430-434,436-438	137,264	129,640	1.0588	0.0008	0.1	1.0572	1.0604
Atherosclerosis	I70	440	13,894	14,417	0.9637	0.0025	0.3	0.9588	0.9686
Other diseases of circulatory system	I71-I78	441-448	18,239	19,289	0.9456	0.0021	0.2	0.9414	0.9498
Aortic aneurysm and dissection	I71	441	12,216	12,201	1.0012	0.0010	0.1	0.9992	1.0032
Other diseases of arteries, arterioles and capillaries	I72-I78	442-448	6,023	7,088	0.8497	0.0053	0.6	0.8394	0.8601
Other disorders of circulatory system	I80-I99	451-459	2,984	2,899	1.0293	0.0172	1.7	0.9956	1.0631
Influenza and pneumonia	J10-J18	480-487	50,526	72,371	0.6982	0.0018	0.3	0.6947	0.7016
Influenza	J10-J11	487	572	567	1.0088	0.0073	0.7	0.9945	1.0231
Pneumonia	J12-J18	480-486	49,954	71,804	0.6957	0.0018	0.3	0.6922	0.6992
Other acute lower respiratory infections	J20-J22	466	346	355	0.9746	0.0392	4.0	0.8978	1.0515
Acute bronchitis and bronchiolitis	J20-J21	466	265	355	0.7465	0.0264	3.5	0.6947	0.7983
Unspecified acute lower respiratory infection	J22	---	*	*	*	*	*	*	*
Chronic lower respiratory diseases	J40-J47	490-494,496	94,326	90,022	1.0478	0.0009	0.1	1.0460	1.0496
Bronchitis, chronic and unspecified	J40-J42	490-491	913	2,320	0.3935	0.0107	2.7	0.3726	0.4145
Emphysema	J43	492	14,369	14,774	0.9726	0.0031	0.3	0.9666	0.9786
Asthma	J45-J46	493	4,217	4,718	0.8938	0.0061	0.7	0.8819	0.9057
Other chronic lower respiratory diseases	J44,J47	494,496	74,827	68,210	1.0970	0.0014	0.1	1.0943	1.0998
Pneumoconioses and chemical effects	J60-J66,J68	500-506	860	845	1.0178	0.0099	1.0	0.9983	1.0372
Pneumonitis due to solids and liquids	J69	507	10,183	9,104	1.1185	0.0048	0.4	1.1092	1.1279
Other diseases of respiratory system	J00-J06,J30-J39,J67,J70-J98	034.0,460-465,470-478,495,508-519	16,656	14,269	1.1673	0.0052	0.4	1.1572	1.1774
Peptic ulcer	K25-K28	531-534	3,574	3,686	0.9696	0.0045	0.5	0.9608	0.9784
Diseases of appendix	K35-K38	540-543	209	202	1.0347	0.0242	2.3	0.9873	1.0820
Hernia	K40-K46	550-553	658	633	1.0395	0.0154	1.5	1.0094	1.0696
Chronic liver disease and cirrhosis	K70,K73-K74	571	21,688	20,920	1.0367	0.0027	0.3	1.0314	1.0420
Alcoholic liver disease	K70	571.0-571.3	10,147	9,965	1.0183	0.0050	0.5	1.0085	1.0281
Other chronic liver disease and cirrhosis	K73-K74	571.4-571.9	11,541	10,955	1.0535	0.0041	0.4	1.0454	1.0615
Cholelithiasis and other disorders of gallbladder	K80-K82	574-575	1,725	1,803	0.9567	0.0060	0.6	0.9450	0.9685
Nephritis, nephrotic syndrome and nephrosis	N00-N07,N17-N19,N25-N27	580-589	24,939	20,242	1.2320	0.0044	0.4	1.2234	1.2407
Acute and rapidly progressive nephritic and nephrotic									

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			Tenth Revision	Ninth Revision				Lower	Upper
syndrome	N00-N01,N04	580-581	161	249	0.6466	0.0342	5.3	0.5796	0.7136
Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified.....	N02-N03,N05-N07,N26	582-583,587	468	1,213	0.3858	0.0144	3.7	0.3575	0.4141
Renal failure	N17-N19	584-586	24,290	18,758	1.2949	0.0050	0.4	1.2852	1.3047
Other disorders of kidney	N25,N27	588-589	20	22	0.9091	0.0867	9.5	0.7392	1.0790
Infections of kidney	N10-N12,N13.6,N15.1	590	731	726	1.0069	0.0144	1.4	0.9786	1.0352
Hyperplasia of prostate	N40	600	326	327	0.9969	0.0159	1.6	0.9658	1.0280
Inflammatory diseases of female pelvic organs	N70-N76	614-616	63	64	0.9844	0.0410	4.2	0.9040	1.0648
Pregnancy, childbirth and the puerperium	O00-O99	630-676	*	*	*	*	*	*	*
Pregnancy with abortive outcome	O00-O07	630-639	*	*	*	*	*	*	*
Other complications of pregnancy, childbirth and the puerperium	O10-O99	640-676	*	*	*	*	*	*	*
Certain conditions originating in the perinatal period	P00-P96	760-771.2,771.4-779	10,184	9,555	1.0658	0.0033	0.3	1.0593	1.0724
Congenital malformations, deformations and chromosomal Abnormalities	Q00-Q99	740-759	5,950	7,025	0.8470	0.0055	0.6	0.8362	0.8577
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99	780-799	16,940	17,732	0.9553	0.0034	0.4	0.9487	0.9620
All other diseases (Residual)	Residual	Residual	109,853	122,107	0.8996	0.0015	0.2	0.8968	0.9025
Accidents (unintentional injuries)	V01-X59,Y85-Y86	E800-E869,E880-E929	31,084	30,163	1.0305	0.0014	0.1	1.0278	1.0333
Transport accidents	V01-V99,Y85	E800-E848,E929.0,E929.1	17,547	17,586	0.9978	0.0006	0.1	0.9966	0.9990
Motor vehicle accidents	V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2,V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1,V82.0-V82.1,V83-V86,V87.0-V87.8,V88.0-V88.8,V89.0,V89.2	E810-E825	16,632	17,051	0.9754	0.0006	0.1	0.9742	0.9766
Other land transport accidents	V01,V05-V06,V09.1,V09.3-V09.9,V10-V11,V15-V18,V19.3,V19.8-V19.9,V80.0-V80.2,V80.6-V80.9,V81.2-V81.9,V82.2-V82.9,V87.8,V88.9,V89.1,V89.3,V89.9	E800-E807,E826-E829	*	*	*	*	*	*	*
Water, air and space, and other and unspecified transport accidents and their sequelae	V90-V99,Y85	E830-E848,E929.0,E929.1	351	347	1.0115	0.0209	2.1	0.9706	1.0525
Nontransport accidents	W00-X59,Y86	E850-E869,E880-E928,E929.2-E929.9	13,537	12,577	1.0763	0.0035	0.3	1.0696	1.0831

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Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Standard error	Relative Std. error	95 percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Falls	W00-W19	E880-E888	5,173	6,152	0.8409	0.0049	0.6	0.8313	0.8505
Accidental discharge of firearms	W32-W34	E922	493	466	1.0579	0.0127	1.2	1.0331	1.0828
Accidental drowning and submersion	W65-W74	E910	283	284	0.9965	0.0127	1.3	0.9716	1.0213
Accidental exposure to smoke, fire and flames	X00-X09	E890-E899	493	506	0.9743	0.0089	0.9	0.9568	0.9918
Accidental poisoning and exposure to noxious substances	X40-X49	E850-E869,E924.1	*	*	*	*	*	*	*
Other and unspecified nontransport accidents and their sequelae	W20-W31,W35-W64,W75-W99, X10-X39,X50-X59,Y86	E900-E909,E911-E921,E923-E924.0,E924.8-E928,E929.2-E929.9	6,698	4,721	1.4188	0.0123	0.9	1.3947	1.4428
Intentional self-harm (suicide)	X60-X84,Y87.0	E950-E959	18,352	18,422	0.9962	0.0005	0.0	0.9952	0.9972
Intentional self-harm (suicide) by discharge of firearms ...	X72-X74	E955.0-E955.4	14,157	14,183	0.9982	0.0007	0.1	0.9968	0.9996
Intentional self-harm (suicide) by other and unspecified means and their sequelae	X60-X71,X75-X84,Y87.0	E950-E954,E955.5-E959	4,195	4,239	0.9896	0.0023	0.2	0.9850	0.9942
Assault (homicide)	X85-Y09,Y87.1	E960-E969	12,287	12,308	0.9983	0.0006	0.1	0.9972	0.9994
Assault (homicide) by discharge of firearms	X93-X95	E965.0-E965.4	8,718	8,745	0.9969	0.0008	0.1	0.9953	0.9985
Assault (homicide) by other and unspecified means and their sequelae	X85-X92,X96-Y09,Y87.1	E960-E964,E965.5-E969	3,569	3,563	1.0017	0.0024	0.2	0.9969	1.0064
Legal intervention	Y35,Y89.0	E970-E978	*	*	*	*	*	*	*
Events of undetermined intent	Y10-Y34,Y87.2,Y89.9	E980-E989	*	*	*	*	*	*	*
Discharge of firearms, undetermined intent	Y22-Y24	E985.0-E985.4	*	*	*	*	*	*	*
Other and unspecified events of undetermined intent and their sequelae	Y10-Y21,Y25-Y34,Y87.2,Y89.9	E980-E984,E985.5-E989	*	*	*	*	*	*	*
Operations of war and their sequelae	Y36,Y89.1	E990-E999	*	*	*	*	*	*	*
Complications of medical and surgical care	Y40-Y84,Y88	E870-E879,E930-E949	*	*	*	*	*	*	*
Injury by firearms (1)	W32-W34,X72-X74,X93-X95, Y22-Y24,Y35.0	E922,E955.0-E955.4,E965.0-E965.4,E970,E985.0-E985.4	23,355	23,418	0.9973	0.0006	0.1	0.9961	0.9985
Drug-induced deaths (1)	F11.0-F11.5,F11.7-F11.9, F12.0-F12.5,F12.7-F12.9, F13.0-F13.5,F13.7-F13.9, F14.0-F14.5,F14.7-F14.9, F15.0-F15.5,F15.7-F15.9, F16.0-F16.5,F16.7-F16.9, F17.0,F17.3-F17.5,F17.7-F17.9, F18.0-F18.5,F18.7-F18.9, F19.0-F19.5,F19.7-F19.9, X40-X44,X60-X65,X85,Y10-Y14	292,304,305.2-305.9,E850-E858, E950.0-E950.5,E962.0, E980.0-E980.5	1,158	969	1.1950	0.0225	1.9	1.1509	1.2391

Table 6. Comparable category codes and estimated comparability ratios for 113 selected causes of death, Injury by firearms, Drug-induced deaths and Alcohol-induced deaths according to the Ninth and Tenth Revisions, International Classification of Diseases

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Standard error	Relative Std. error	95 percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Alcohol-induced deaths (1)	F10,G31.2,G62.1,I42.6,K29.2, K70,R78.0,X45,X65,Y15	291,303,305.0,357.5,425.5,535.3, 571.0-571.3,790.3,E860	14,783	15,269	0.9682	0.0025	0.3	0.9633	0.9731

* Figure does not meet standards of reliability or precision; see Technical notes.

--- Category not applicable.

0.0 Quantity more than zero but less than 0.05.

(1) Included in selected categories.

APPENDIX C

Computation of Rates

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

Death rates are computed by dividing the number of deaths for a given class by the population of a similarly-defined class for the same year(s) and multiplying the result by 100,000 (or 1,000). Rates thus computed are per 100,000 (or 1,000) estimated population residing in a selected area of the United States. Except for infant and maternal mortality rates, the population used for computing rates is the resident population of the specified geographic area. **Infant mortality rates**, the most commonly used indexes for measuring the risk of dying during the first year of life, are calculated by dividing the number of infant deaths in a calendar year by the number of live births registered for the same period and are presented as rates per 1,000 or per 100,000 live births. Infant mortality rates use the number of live births in the denominator to approximate the population at risk of dying before the first birthday. **Maternal mortality rates** are calculated by dividing the number of maternal deaths in a calendar year by the number of live births registered for the same period and are presented as rates per 100,000 live births. The number of live births used in the denominator is an approximation of the population of pregnant women who are at risk of a maternal death.

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, the number of deaths, even based on complete counts, is subject to random variation. Thus, the number of deaths that actually occurred may be considered as one of a large series of possible results that could have arisen under the same circumstances (32, 33). To quantify the random variation associated with mortality statistics, it is usually assumed that as deaths are infrequent events, they derive from a Poisson probability distribution. The Poisson distribution is simple conceptually and computationally, and provides reasonable, conservative variance estimates for mortality statistics when the probability of dying is relatively low (33).

Generally, it is assumed that the national, State, and county population estimates are based on demographic methods, and as such, are not subject to sampling variability, although they are subject to nonsampling errors. However, this assumption does not hold for the bridged-race population estimates (29).

When the number of deaths is small (perhaps less than 100), random variation tends to be relatively large. Therefore, considerable caution must be observed in interpreting

statistics based on small numbers of deaths. This is particularly true for infant mortality rates, cause-specific death rates, and death rates for counties. NCHS suppresses crude and age-specific death rates that are based on fewer than 20 deaths. The limit of 20 deaths is a convenient, if somewhat arbitrary, benchmark, below which rates are considered to be too statistically unreliable for presentation. For age-adjusted death rates the suppression criterion is based on the sum of the age-specific deaths; i.e., if the sum of the age-specific deaths is less than 20, the rate is suppressed.

Formulas for the standard errors and confidence intervals of death rates, as well as for tests of differences between rates are provided in the Technical Notes in the annual National Vital Statistics Reports *Deaths: Final Data* (7-12).

Age-adjustment of death rates

Age-adjusted death rates are weighted averages of the age-specific death rates, where the weights represent a fixed population by age. They are used to compare relative mortality risk among groups and over time. An age-adjusted rate represents the rate that would have existed had the age-specific rates of the particular year prevailed in a population whose age distribution was the same as that of the fixed population. Age-adjusted rates should be viewed as relative indexes rather than as direct or actual measures of mortality risk.

NCHS computes age-adjusted death rates by the direct method, that is, by applying age-specific death rates (R_i) to the U.S. standard population age distribution:

$$R' = \sum_i \left(\frac{P_{si}}{P_s} \right) R_i$$

where P_{si} is the standard population for age group i and P_s is the total U.S. standard population (all ages combined).

Beginning with the 1999 data year, NCHS adopted a new population standard for use in age-adjusting death rates based on the year 2000 projected population of the United States. For a detailed discussion of the impact of the new standard, see *Age Standardization of Death Rates. Implementation of the Year 2000 Standard* (34). Beginning with the 2003 data year, the traditional standard million population along with corresponding standard weights to six decimal places were replaced by the projected year 2000 population age distribution (Table 7). The effect of the change is negligible and does not significantly affect comparability with age-adjusted rates calculated using the previous method.

Table 7. U.S. Standard Population

Age	Population
All ages	274,633,642
Under 1 year	3,794,901
1-4 years	15,191,619
5-14 years	39,976,619
15-24 years	38,076,743
25-34 years	37,233,437
35-44 years	44,659,185
45-54 years	37,030,152
55-64 years	23,961,506
65-74 years	18,135,514
75-84 years	12,314,793
85 years and over	4,259,173

Note: Projected 2000 population.

APPENDIX D

More about Population Estimates

General information about population estimates is provided below.

Resident population

The resident population includes all persons whose usual place of residence (i.e., the place where one usually lives and sleeps) is in one of the 50 States or the District of Columbia. It includes members of the Armed Forces stationed in the United States and their families; but excludes U.S. Armed Forces stationed overseas. Also excluded are diplomatic personnel located in this country and residing in embassies or similar quarters, international workers and international students in this country, and Americans living abroad.

Decennial Census

The census of population (decennial census) has been held in the United States every 10 years since 1790. The decennial census has enumerated the resident population as of April 1 of the census year ever since 1930. Data on sex, race, age, and marital status are collected from 100% of the enumerated population.

Race Data on the 1990 Census

The question on race on the 1990 census was based on the Office of Management and Budget's (OMB) "1977 Statistical Policy Directive 15, Race and Ethnicity Standards for Federal Statistics and Administrative Reporting" (15). This document specified rules for the collection, tabulation, and reporting of race and ethnicity data within the federal statistical system. The 1977 standards required federal agencies to report race-specific tabulations using four single-race categories: American Indian or Alaska Native, Asian or Pacific Islander, black, and white. Under the 1977 standards, race and ethnicity (Hispanic or Latino origin, not of Hispanic or Latino origin) were considered to be two separate and distinct concepts. Thus, persons of Hispanic origin may be of any race.

Race Data on the 2000 Census

The question on race on the 2000 census was based on OMB's 1997 "Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity" (16). The 1997 standards incorporated two major changes in the collection, tabulation, and presentation of race data. First, the 1997 standards increase from four to five the minimum number of categories to be used by Federal agencies for identification of race: American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, and White. Second, the 1997 standards require Federal data

collection programs to allow respondents to select one or more race categories when responding to a query on their racial identity. This provision means that there are potentially 31 race groups, depending on whether an individual selects one, two, three, four, or all five of the race categories. Under the 1997 standards, as under the 1977 standards, Hispanics may be of any race.

In Census 2000, respondents could indicate their racial identity by marking one or more of six race categories: the five categories specified in the 1997 standards and one additional category, namely, "Some other race". Space was provided on the questionnaire for respondents who marked "Some other race" to write in their race. Because respondents could report one or more of the six categories, Census 2000 had data for 63 race groups. Of the 281,421, 906 persons enumerated in the 2000 census, roughly 6.8 million, or 1.4%, reported more than one of the six race categories (where one of the categories is "Some other race"). Roughly 18.5 million people identified "Some other race" as part of their race response, or as their only race response. These people were primarily of Hispanic origin, 90.4 percent or 16.8 million people, and many wrote in their Hispanic or Latino origin or Hispanic origin type (such as Mexican or Puerto Rican) as their race.

Modified Decennial Census Files

For several decades the Census Bureau has produced modified decennial census files. These modified files incorporate adjustments to the 100% April 1 count data for 1) errors in the census data discovered subsequent to publication, 2) misreported age data, and 3) nonspecified race.

For the 1990 census, the Census Bureau modified the age, race, and sex data on the census and produced the Modified Age Race Sex (MARS) file (35). The differences between the population counts on the original census file and the MARS file are primarily due to modification of the race data. Of the 248.7 million persons enumerated in 1990, 9.8 million persons did not specify their race (over 95% were of Hispanic origin). For the 1990 MARS file, these persons were assigned the race reported by a nearby person with an identical response to the Hispanic origin question.

For the 2000 census, the Census Bureau modified the race data on the census and produced the Modified Race Data Summary File (30). Of the x persons enumerated during the 2000 census, 18.5 million persons reported "Some other race" as part of their race response, or did not specify a race (16.8 million, or 90.4%, were of Hispanic origin). For the Modified Race Data Summary File, persons who reported "Some other race" and one or more of the five single-race categories were assigned to the race group specified by the race category(ies) provided (the 31 single- and multiple-race combinations of the five race categories specified in the 1997 standards). Persons who did not specify a race were assigned to one of the 31 race groups using imputation.

The race modifications made for the Modified Race Data Summary File were as follows:

1. No modification was made to race responses where only one or more of

the five single-race categories was specified (e.g., Asian alone, American Indian or Alaska Native alone, Black or African American and White alone, and White alone).

2. Race responses of both "Some other race" and one or more of the five single-race categories were modified by dropping the "Some other race" response and using the single-race category(ies) response that was provided. For example, White and "Some other race" became White alone; Black or African American, White, and "Some other race" became Black or African American and White.
3. A race response of "Some other race" alone was modified by dropping the "Some other race" response and allocating a race group from the 31 race groups using imputation. Donors and recipients had to match on specific Hispanic or Latino origin (Not Hispanic or Latino; Mexican; Puerto Rican; Cuban; Central American and Dominican; South American; other Spanish). If possible, race was allocated from a donor within the household of the recipient; otherwise, the donor was selected from a hot deck matrix.

For within household allocation, the household donors were permitted to have a race and Hispanic origin that had been allocated or edited as part of the Census 2000 edit procedures. The household donor was also permitted to have a race that was modified. Within-household allocations were consistent with the household relationship guidelines used in Census 2000 procedures.

For race allocations from outside the household (using the hot deck matrix), donors could not have a race or Hispanic origin that had been allocated or edited as part of the Census 2000 procedures. These out-of-household donors also could not have a race that had been modified. Out-of-household donors were permitted to have an edited age but had to be in the same broad age range (0-14 years, 15-34 years, 35-54 years, 55 years and over) as the recipient. Hot deck guidelines were consistent with the Census 2000 procedures.

Note that while the race modification in the Modified Race Data Summary File reconciles the Census 2000 race categories with the race categories in the 1997 standards, it does not correct or adjust the Census 2000 procedures for tabulating or coding race data, nor correct for undercoverage or duplication of persons in Census 2000.

Bridged-Race Population Estimates for Census 2000

Race data on the 2000 census are not comparable with historical data (e.g. previous censuses, administrative records, surveys, vital records) or with race data on other data systems that are continuing to collect data using the 1977 standards on race and ethnicity during the transition to full implementation of the 1997 standards. One example of a data system continuing to collect data using the old standards is the Vital Statistics Cooperative Program. To date, only a few States have implemented the

revised 2003 Standard Certificate of Death (which collects race data in accordance with the 1997 standards). Thus, population estimates for 2000 and beyond with race categories comparable to the 1977 categories are needed so that race-specific birth and death rates can be calculated. To meet this need, NCHS, in collaboration with the U.S. Census Bureau, developed methodology to “bridge” the 31 race groups in Census 2000 to the four single-race categories specified under the 1977 standards (19, 27). Race bridging refers to making data collected using one set of race categories consistent with data collected using a different set of race categories to permit calculation of statistics at a point in time or over time. More specifically, race bridging is a method used to make multiple-race and single-race data collection systems sufficiently comparable to permit estimation and analysis of race-specific statistics such as birth and death rates. When bridging group data rather than individual data, the goal is to correctly determine the size of the single-race groups, not to correctly determine how each individual would have reported his or her race under a single-race system.

NCHS developed a regression bridging methodology using information from the 1997-2000 National Health Interview Survey (NHIS) (19, 27, 28). The NHIS provides a unique bridging data source because, since 1982, NHIS respondents have been permitted to choose more than one race, with respondents who do so then asked the follow-up question “which single race best represents your race.” The bridging methodology involved fitting logistic and multi-logit regression models which included person-level and county-level covariates. Each model estimated the probability that members of a multiple-race group would select each possible single-race category. The probabilities obtained from the bridging models were specific for sex, Hispanic origin, single year of age, and county of residence.

The bridging probabilities derived from the models have been applied by the U.S. Census Bureau to the Census 2000 Modified Race Data Summary File and to post-2000 population estimates to produce estimates of the population by four single-race categories (American Indian or Alaska Native, Asian or Pacific Islander, black, and white) (20-26). Bridged-race population estimates are available from: www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm.

Postcensal Population Estimates

Postcensal population estimates are estimates made for the years following a census, before the next census has been taken. The U.S. Census Bureau derives series of postcensal population estimates annually by updating the resident population enumerated in the decennial census using a components of population change approach. Each annual series includes estimates for the current data year and revised estimates for the earlier years in the decade. The following formula is used to derive the estimates for a given year from those for the previous year, starting with the decennial census population as the base:

- (1) resident population for the previous year
- (2) + births to U.S. resident women,
- (3) – deaths to U.S. residents,
- (4) + net international migration,

(5) + net movement of U.S. Armed Forces and U.S. civilian citizens

Estimates for the earlier years in a given series often differ from the estimates for those years in previous series because they have been revised to reflect changes in the components of change data sets. For example, births to U.S. resident women from a preliminary natality file are replaced with counts from a final natality file. To help users keep track of which postcensal estimate is being used, each annual series is referred to as a “Vintage” and the last year in the series is used to name the series. For example, the Vintage 2001 postcensal series has estimates for April 1, 2000 and July 1, 2001, and the Vintage 2002 postcensal series has estimates for April 1, 2000, July 1, 2001, and July 1, 2002. The estimates for July 1, 2001, from the two postcensal series differ.

The Census Bureau has produced the 2000-based postcensal series by applying the components of change methodology to the Modified Race Data Summary File (30). These series of postcensal estimates have race data for 31 race groups, in accordance with the 1997 race and ethnicity standards. So that the race data for 2000-based postcensal estimates will be comparable with race data on vital records, the Census Bureau has applied the NCHS bridging probabilities to each 31-race group postcensal series of population estimates to obtain bridged-race postcensal estimates (estimates for the four single-race categories: American Indian or Alaska Native, Asian or Pacific Islander, black, and white) (22-26). Bridged-race postcensal population estimates are available from: www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm.

Intercensal Population Estimates

Intercensal population estimates are estimates made for the years between two completed censuses which take into account the census at both the beginning and end of the decade. With the completion of the decennial census at the end of a decade, intercensal estimates for the preceding decade are prepared to replace the postcensal estimates. Replacement of the postcensal estimates with intercensal estimates is desirable because as the end of the decade approaches, the postcensal estimates become increasingly less accurate. The difference between the postcensal estimate of the population at the end of the decade and the census count for that date is called the “error of closure”. The “error of closure” for the 1990s was large, about 6.8 million.

To derive the intercensal estimates, the difference between the two census populations (the error of closure) is distributed over the decade and then applied to the postcensal population estimates. The difference is applied to the postcensal estimates so that the patterns of population change observed over the decade are preserved. The method used to distribute the error of closure across the 1990s is the same as the method that was used for the 1980s. The method produces an intercensal estimate as a function of time and the postcensal estimates, using the following formula:

$$P_t = Q_t \left(\frac{P_{3653}}{Q_{3653}} \right)^{t_{-3653}}$$

Where,

t = time in (days) elapsed since April 1, 1990

P_t = population estimate at time t

Q_t = postcensal estimate at time t

P₃₆₅₃ = April 1, 2000 enumerated census count

Q₃₆₅₃ = April 1, 2000 postcensal estimate

Intercensal estimates for the 1990s with race data comparable to the 1977 standards have been derived so that vital rates for the 1990s could be revised to reflect Census 2000. Derivation of the intercensal population estimates for the 1990s was complicated by the incomparability of the race data on the 1990 and 2000 censuses as discussed above (see “Race Data on Census 1990” and “Race Data on Census 2000”). The Census Bureau derived race-specific intercensal population estimates in collaboration with NCHS (and with support from the National Cancer Institute). The 1990 MARS file was the beginning population base and the bridged-race April 1, 2000 file was the ending population base (21, 35) (see Bridged-race Population Estimates for Census 2000”.

APPENDIX E

State and County FIPS Codes and Names

The FIPS State and county codes were established by the National Bureau of Standards, U.S. Department of Commerce in 1968 (36). This standard set of codes provides names and codes for counties and county equivalents of the 50 States of the United States and the District of Columbia. Counties are considered to be the "first order subdivisions" of each State, regardless of their local designation (county, parish, borough). Washington, D.C.; the consolidated government of Columbus, Georgia; the independent cities of the States of Maryland, Missouri, Nevada, and Virginia; the census areas and boroughs of Alaska; and that part of Yellowstone Park in Montana are identified as county equivalents. The system is standard throughout the federal government. The State codes are ascending, two-digit numbers; the county codes are ascending three-digit numbers. For both the State and county codes, space has been left for new States or counties.

Changes in the FIPS codes have occurred since 1968. These changes are described in this appendix. Some modifications have been made to the FIPS codes to make them consistent with the codes on vital records. These modifications also are described in this appendix.

For 1999 and 2000, there are 3,140 counties on the CMF; for 2001 and 2002 there are 3,139 counties, and for 2003 and 2004 there are 3,141 counties. In addition to county records, the population file also has State and national records which have unique FIPS codes (51 codes for the State records and 1 code for the national records).

The county codes on the mortality and population files are completely compatible. However, because there are no State or national-level records on the mortality file, the FIPS codes associated with the State and national-level records on the population file do not appear on the mortality file. On the population file, the national-level records have a State FIPS code of "00" and a county FIPS code of "000"; state-level records have a nonzero 2-digit State FIPS code and a county FIPS code of "000". Further, while there is a record on the population file for each county-year-race-sex subpopulation, there may not be a record on the mortality file for a given county-year-race-sex-age-group because no record appears on the mortality file for that group if no deaths (for the cause of interest) occurred for the group. Thus, care must be taken when matching the mortality and population files.

The FIPS codes and names for the counties on the CMF are listed in [Appendix E](#).

Notes about specific county FIPS codes

1. Alaska boroughs and census areas.

The boroughs and census areas of Alaska undergo frequent changes making it difficult to work with individual areas. The FIPS codes used for vital statistics coding for Alaska changed in 1994 and in 2003. Specific coding details for Alaska are given below and summarized in Table 8.

a. **Aleutian Islands Census Area.** Aleutian Islands Census Area (FIPS code=02010) was split into Aleutians East Borough (FIPS code=02013) and Aleutians West Census Area (FIPS code=02016). The code for Aleutian Islands appears on the CMF only for 1989-93. It does not appear on the CMF 1999-2004.

b. **Aleutians East Borough.** Aleutians East Borough (FIPS code=02013) was created in 1987 from part of Aleutian Islands Census Area (FIPS code=02010) and an unpopulated part of Dillingham (FIPS code=02070). Death counts and population estimates for Aleutians East appear on the CMF beginning with data year 1994.

c. **Aleutians West Census Area.** Aleutians West Census Area (FIPS code=02016) was created in 1990 from that part of Aleutian Islands (FIPS code=02010) that did not become part of Aleutians East (FIPS code=02013). Death counts and population estimates for Aleutians West appear on the CMF beginning with data year 1994.

d. **Denali Borough.** On December 7, 1990, Denali Borough (FIPS code=02068) was organized, mostly from the Yukon-Koyukuk Census Area (FIPS code=02290) with a small part from Southeast Fairbanks (FIPS code=02240). The code for Denali first appears on the CMF for data year 2003. Prior to 2003, deaths and population counts for Denali are coded to Yukon-Koyukuk.

e. **Dillingham Census Area.** Unpopulated areas of Dillingham Census Area (FIPS code=02070) were transferred to Aleutians East (FIPS code=02013), Bethel (FIPS code=02050), and Kodiak Islands (FIPS code=02150) in 1989. Part of Dillingham became Lake and Peninsula (FIPS code=02164). The remainder of Dillingham still exists (FIPS code= 02070). Death counts and population estimates for Dillingham appear on the CMF beginning with data year 1989.

f. **Kobuck.** Kobuck (FIPS code=02140) became Northwest Arctic Borough (FIPS code=02188). There are no records for Kobuck on the CMF.

g. **Lake and Peninsula Census Area.** Lake and Peninsula Census Area (FIPS code=02164) was created in 1989 from part of Dillingham (FIPS code=02070). The FIPS code for this census area appears on the CMF beginning with data year 1994.

h. **Northwest Arctic Borough.** In 1982, unpopulated area was removed from North Slope Borough (FIPS code=02185) and combined with Kobuck (FIPS code=02140) to form Northwest Arctic Borough (FIPS code=02188). Death counts and population estimates are available for this area on the CMF beginning with data year 1989.

i. **Skagway-Hoonah-Angoon Census Area.** Skagway-Hoonah-Angoon Census Area (FIPS code=02232) was created September 22, 1992 from that part of Skagway-Yakutat-Angoon (FIPS code=02231) not incorporated into Yakutat Borough (FIPS code=02282). The code for Skagway-Hoonah-Angoon appears on the CMF beginning with data year 1994.

j. **Skagway-Yakutat-Angoon Census Area.** Skagway-Yakutat-Angoon Census Area (FIPS code=02231) was deleted effective September 22, 1992 after Yakutat (FIPS

code=02282) and Skagway-Hoonah-Angoon (FIPS code=02232) were formed. Death counts and population estimates for Skagway-Yakutat-Angoon appear on the CMF only for 1989-93.

k. **Yakutat Borough.** Yakutat Borough (FIPS code=02282) was organized September 22, 1992 from part of Skagway-Yakutat-Angoon (FIPS code=02231). Death counts and population estimates for Yakutat appear on the CMF beginning with data year 1994.

l. **Yukon-Koyukuk Census Area Denali Borough.** Part of the Yukon-Koyukuk Census Area (FIPS code=02290) was split off on December 7, 1990, to form Denali Borough (FIPS code=02068) (along with a small piece of East Fairbanks). The code for Denali first appears on the CMF for data year 2003. Prior to 2003, deaths and population counts for Denali are coded to Yukon-Koyukuk.

Borough /Census Area Name	FIPS codes during	
	1999-2002	2003-2004
Aleutians East Borough	02013	02013
Aleutians West Census Area	02016	02016
Anchorage Borough	02020	02020
Bethel Census Area	02050	02050
Bristol Bay Borough	02060	02060
Denali Borough	--*--	02068
Dillingham Census Area	02070	02070
Fairbanks North Star Borough	02090	02090
Haines Borough	02100	02100
Juneau Borough	02110	02110
Kenai Peninsula Borough	02122	02122
Ketchikan Gateway Borough	02130	02130
Kodiak Island Borough	02150	02150
Lake and Peninsula Borough	02164	02164
Matanuska-Susitina Borough	02170	02170
Nome Census Area	02180	02180
North Slope Borough	02185	02185
Northwest Arctic Borough	02188	02188
Prince of Wales-Outer Ketchikan Census Area	02201	02201
Sitka Borough	02220	02220
Skagway-Hoonah-Angoon Census Area02232	02230	02230
Southeast Fairbanks Census Area	02240	02240
Valdez-Cordova Census Area	02260	02260
Wade Hampton Census Area	02270	02270
Wrangell-Petersburg Census Area	02280	02280
Yakutat Borough	02282	02282
Yukon-Koyukuk Census Area	02290	02290

--*-- Does not appear on the file.

2. **La Paz county, AZ and Yuma county, AZ.** In January, 1983, La Paz county, Arizona (FIPS code = 04012) was formed from the northern portion of Yuma county (FIPS code =

04027). Yuma county still exists with reduced boundaries. Death counts and population estimates are available on the CMF for both La Paz and Yuma counties beginning with data year 1994.

3. **Broomfield county, CO.** Broomfield county, Colorado (FIPS code=08014) was created effective November 15, 2001 from parts of four counties: Adams (FIPS code=08001), Boulder (FIPS code=08013), Jefferson (FIPS code=08059), and Weld (FIPS code=08123). The FIPS code for this new county appears on the CMF beginning with data year 2003. Prior to this deaths and population counts are coded to the original four counties.

4. **Dade county and Miami city, FL.** Dade county (FIPS code=12025) was renamed Miami-Dade County and its FIPS code changed to 12086, effective November 13, 1997. The FIPS code was changed to 12086 on the CMF beginning with data year 1989.

5. **Columbus city and Muscogee county, GA.** The independent city Columbus, Georgia does not appear on this file. Death counts and population estimates for Columbus city (FIPS code=13510) have been aggregated with those for Muscogee county (FIPS code=13215).

6. **Baltimore city and Baltimore county, MD.** The independent city of Baltimore, Maryland has been treated as a county. Death counts and population estimates are reported separately for Baltimore city (FIPS code=24510) and Baltimore county (FIPS code=24005).

7. **Ste. Genevieve, MO.** In order to achieve alphabetical consistency, the FIPS code for Ste. Genevieve, Missouri was changed in 1979 from 29193 to 29186. The new code (29186) has been used throughout this file.

8. **St. Louis city and St. Louis county, MO.** The independent city of St. Louis, Missouri has been treated as a county. Death counts and population estimates are reported separately for St. Louis city (FIPS code=29510) and St. Louis county (FIPS code=29189).

9. **Yellowstone National Park part, MT.** Until November 7, 1997, the Montana portion of Yellowstone Park was not in any county and therefore was treated as a county equivalent (FIPS code=30113). On that date, the Montana portion of Yellowstone Park became part of Gallatin, MT (FIPS code=30031) and Park, MT (FIPS code=30067). The FIPS code for Yellowstone Park (30113) was dropped from the CMF beginning with data year 1989.

10. **Carson City, NV.** The independent city of Carson City, Nevada (FIPS code=32510) has been treated as a county. Death counts and population estimates are reported for Carson City.

11. **Cibola county, NM. And Valencia county, NM** In 1981, Cibola county, New Mexico (FIPS code=35006) was formed when Valencia county, New Mexico (FIPS code=35061) was divided into two parts. Valencia county still exists with reduced boundaries. On the CMF, death counts and population estimates are available for both Cibola and Valencia counties beginning with data year 1989.

12. **New York city boroughs.** The five boroughs of New York City have been treated as counties and maintained as separate entities on this file.

<u>Borough</u>	<u>County</u>	<u>FIPS Code</u>
Bronx	Bronx	36005
Brooklyn	Kings	36047
Manhattan	New York	36061
Queens	Queens	36081
Staten Island	Richmond	36085

13. **Virginia independent cities.**

a. **Clifton Forge city, VA.** On July 1, 2001, Clifton Forge city (FIPS code =51560), formerly an independent city, merged with Alleghany county (FIPS code=51005). On the CMF, there are death counts and population estimates for Clifton Forge city through the 2000 data year; beginning with the 2001 data year Clifton Forge deaths and population estimates are aggregated with those of Alleghany.

b. **Nansemond city, VA.** Nansemond city (FIPS code =51123) has been part of the independent city of Suffolk, VA (FIPS code=51800) since 1979. On this file, death counts and population estimates for Nansemond have been aggregated with those for Suffolk city.

c. **South Boston city, VA.** In 1995, South Boston city (FIPS code =51780) merged with the county of Halifax (FIPS code=51083). On the CMF, South Boston city death counts and population estimates are aggregated with those of Halifax county beginning with data year 1989.

d. The Virginia independent cities are treated as counties and appear on the CMF with the following FIPS codes:

Table 9. Virginia independent cities on this file and the name and county in which each is located

Independent City		County	
Name	FIPS code	Name	FIPS code
Alexandria	51510	Arlington	51013
Bedford	51515	Bedford	51019
Bristol	51520	Washington	51191
Buena Vista	51530	Rockbridge	51163
Charlottesville	51540	Albemarle	51003
Chesapeake	51550		
Clifton Forge*	51560	Alleghany	51005
Colonial Heights	51570	Chesterfield	51041
Covington	51580	Alleghany	51005
Danville	51590	Pittsylvania	51143
Emporia	51595	Greensville	51081
Fairfax	51600	Fairfax	51059
Falls Church	51610	Fairfax	51059
Franklin	51620	Southampton	51175
Fredericksburg	51630	Spotsylvania	51177
Galax	51640	Grayson	51077
Hampton	51650		
Harrisonburg	51660	Rockingham	51165
Hopewell	51670	Prince George	51149
Lexington	51678	Rockbridge	51163
Lynchburg	51680	Campbell	51031
Manassas	51683	Prince William	51153
Manassas Park	51685	Prince William	51153
Martinsville	51690	Henry	51089
Newport News	51700		
Norfolk	51710		
Norton	51720	Wise	51195
Petersburg	51730	Dinwiddie	51053
Poquoson	51735	York	51199
Portsmouth	51740	Norfolk city	51710
Radford	51750	Montgomery	51121
Richmond	51760	Henrico	51087
Roanoke	51770	Roanoke	51161
Salem	51775	Roanoke	51161
Staunton	51790	Augusta	51015
Suffolk	51800		
Virginia Beach	51810		
Waynesboro	51820	Augusta	51015
Williamsburg	51830	James City	51095
Winchester	51840	Frederick	51069

*Clifton Forge is only on this file for 1999-2000.

APPENDIXF

Dictionary of State and County FIPS Codes and Names

A. State FIPS codes and names

Entries are sorted by State FIPS code.

State FIPS	State Abbrev	State Name	State FIPS	State Abbrev	State Name
01	AL	Alabama	30	MT	Montana
02	AK	Alaska	31	NE	Nebraska
04	AZ	Arizona	32	NV	Nevada
05	AR	Arkansas	33	NH	New Hampshire
06	CA	California	34	NJ	New Jersey
08	CO	Colorado	35	NM	New Mexico
09	CT	Connecticut	36	NY	New York
10	DE	Delaware	37	NC	North Carolina
11	DC	District of Columbia	38	ND	North Dakota
12	FL	Florida	39	OH	Ohio
13	GA	Georgia	40	OK	Oklahoma
15	HI	Hawaii	41	OR	Oregon
16	ID	Idaho	42	PA	Pennsylvania
17	IL	Illinois	44	RI	Rhode Island
18	IN	Indiana	45	SC	South Carolina
19	IA	Iowa	46	SD	South Dakota
20	KS	Kansas	47	TN	Tennessee
21	KY	Kentucky	48	TX	Texas
22	LA	Louisiana	49	UT	Utah
23	ME	Maine	50	VT	Vermont
24	MD	Maryland	51	VA	Virginia
25	MA	Massachusetts	53	WA	Washington
26	MI	Michigan	54	WV	West Virginia
27	MN	Minnesota	55	WI	Wisconsin
28	MS	Mississippi	56	WY	Wyoming
29	MO	Missouri			

B. Dictionary of State and County FIPS Codes and County Names

Entries in this dictionary are sorted by state and county FIPS code. Independent cities (Maryland, Missouri, Nevada, Virginia) have county codes of 500 and higher and thus, appear at the end of a state's list.

FIPS	State	County	FIPS	State	County
St	Cnty	Abbrev Name	St	Cnty	Abbrev Name

ALABAMA

01	000	AL	STATE TOTAL
01	001	AL	AUTAUGA
01	003	AL	BALDWIN
01	005	AL	BARBOUR
01	007	AL	BIBB
01	009	AL	BLOUNT
01	011	AL	BULLOCK
01	013	AL	BUTLER
01	015	AL	CALHOUN
01	017	AL	CHAMBERS
01	019	AL	CHEROKEE
01	021	AL	CHILTON
01	023	AL	CHOCTAW
01	025	AL	CLARKE
01	027	AL	CLAY
01	029	AL	CLEBURNE
01	031	AL	COFFEE
01	033	AL	COLBERT
01	035	AL	CONECUH
01	037	AL	COOSA
01	039	AL	COVINGTON
01	041	AL	CRENSHAW
01	043	AL	CULLMAN
01	045	AL	DALE
01	047	AL	DALLAS
01	049	AL	DEKALB
01	051	AL	ELMORE
01	053	AL	ESCAMBIA
01	055	AL	ETOWAH
01	057	AL	FAYETTE
01	059	AL	FRANKLIN
01	061	AL	GENEVA
01	063	AL	GREENE
01	065	AL	HALE
01	067	AL	HENRY
01	069	AL	HOUSTON

01	071	AL	JACKSON
01	073	AL	JEFFERSON
01	075	AL	LAMAR
01	077	AL	LAUDERDALE
01	079	AL	LAWRENCE
01	081	AL	LEE
01	083	AL	LIMESTONE
01	085	AL	LOWNDES
01	087	AL	MACON
01	089	AL	MADISON
01	091	AL	MARENGO
01	093	AL	MARION
01	095	AL	MARSHALL
01	097	AL	MOBILE
01	099	AL	MONROE
01	101	AL	MONTGOMERY
01	103	AL	MORGAN
01	105	AL	PERRY
01	107	AL	PICKENS
01	109	AL	PIKE
01	111	AL	RANDOLPH
01	113	AL	RUSSELL
01	115	AL	ST. CLAIR
01	117	AL	SHELBY
01	119	AL	SUMTER
01	121	AL	TALLADEGA
01	123	AL	TALLAPOOSA
01	125	AL	TUSCALOOSA
01	127	AL	WALKER
01	129	AL	WASHINGTON
01	131	AL	WILCOX
01	133	AL	WINSTON

ALASKA

02	000	AK	STATE TOTAL
02	010	AK	Aleutian Islands
02	013	AK	Aleutians East Borough

FIPS St	State Cnty	County Abbrv Name	FIPS St	State Cnty	County Abbrv Name		
02	016	AK	Aleutians West C. A.	04	021	AZ	PINAL
02	020	AK	Anchorage Borough	04	023	AZ	SANTA CRUZ
02	050	AK	Bethel Census Area	04	025	AZ	YAVAPAI
02	060	AK	Bristol Bay Borough	04	027	AZ	YUMA
02	070	AK	Dillingham Census Area	ARKANSAS			
02	090	AK	Fairbanks North Star B.	05	000	AR	STATE TOTAL
02	100	AK	Haines Borough	05	001	AR	ARKANSAS
02	110	AK	Juneau Borough	05	003	AR	ASHLEY
02	122	AK	Kenai Peninsula Borough	05	005	AR	BAXTER
02	130	AK	Ketchikan Gateway B.	05	007	AR	BENTON
02	150	AK	Kodiak Island Borough	05	009	AR	BOONE
02	164	AK	Lake and Peninsula B.	05	011	AR	BOONE
02	170	AK	Matanuska-Susitna B.	05	013	AR	BRADLEY
02	180	AK	Nome Census Area	05	015	AR	CALHOUN
02	185	AK	Nome Census Area	05	017	AR	CARROLL
02	188	AK	Nome Census Area	05	019	AR	CHICOT
02	201	AK	North Slope Borough	05	021	AR	CLARK
			Northwest Arctic Borough	05	023	AR	CLAY
			Prince of Wales-Outer Ketchikan	05	025	AR	CLEBURNE
02	220	AK	Sitka Borough	05	027	AR	CLEVELAND
02	231	AK	Skagway-Yakutat-Angoon CA	05	029	AR	COLUMBIA
02	232	AK	Skagway-Hoonah-Angoon CA	05	031	AR	CONWAY
02	240	AK	Southeast Fairbanks B	05	033	AR	CRAWFORD
02	261	AK	Valdez-Cordova C. A.	05	035	AR	CRITTENDEN
02	270	AK	Wade Hampton C. A.	05	037	AR	CROSS
02	280	AK	Wrangell-Petersburg C.A.	05	039	AR	DALLAS
02	282	AK	Yakutat Borough	05	041	AR	DESHA
02	290	AK	Yukon0-Koyukuk C.A.	05	043	AR	DREW
ARIZONA			05	045	AR	FAULKNER	
04	000	AZ	STATE TOTAL	05	047	AR	FRANKLIN
04	001	AZ	APACHE	05	049	AR	FULTON
04	003	AZ	COCHISE	05	051	AR	GARLAND
04	005	AZ	COCONINO	05	053	AR	GRANT
04	007	AZ	GILA	05	055	AR	GREENE
04	009	AZ	GRAHAM	05	057	AR	HEMPSTEAD
04	011	AZ	GREENLEE	05	059	AR	HOT SPRING
04	012	AZ	LA PAZ	05	061	AR	HOWARD
04	013	AZ	MARICOPA	05	063	AR	INDEPENDENCE
04	015	AZ	MOHAVE	05	065	AR	IZARD
04	017	AZ	NAVAJO	05	067	AR	JACKSON
04	019	AZ	PIMA				

FIPS	State	County	FIPS	State	County
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name
05	069	AR	JEFFERSON		
05	071	AR	JOHNSON		
05	073	AR	LAFAYETTE		
05	075	AR	LAWRENCE		
05	077	AR	LEE		
05	079	AR	LINCOLN		
05	081	AR	LITTLE RIVER		
05	083	AR	LOGAN		
05	085	AR	LONOKE		
05	087	AR	MADISON		
05	089	AR	MARION		
05	091	AR	MILLER		
05	093	AR	MISSISSIPPI		
05	095	AR	MONROE		
05	097	AR	MONTGOMERY		
05	099	AR	NEVADA		
05	101	AR	NEWTON		
05	103	AR	OUACHITA		
05	105	AR	PERRY		
05	107	AR	PHILLIPS		
05	109	AR	PIKE		
05	111	AR	POINSETT		
05	113	AR	POLK		
05	115	AR	POPE		
05	117	AR	PRAIRIE		
05	119	AR	PULASKI		
05	121	AR	RANDOLPH		
05	123	AR	ST. FRANCIS		
05	125	AR	SALINE		
05	127	AR	SCOTT		
05	129	AR	SEARCY		
05	131	AR	SEBASTIAN		
05	133	AR	SEVIER		
05	135	AR	SHARP		
05	137	AR	STONE		
05	139	AR	UNION		
05	141	AR	VAN BUREN		
05	143	AR	WASHINGTON		
05	145	AR	WHITE		
05	147	AR	WOODRUFF		
05	149	AR	YELL		
CALIFORNIA					
06	000	CA	STATE TOTAL		
06	001	CA	ALAMEDA		
06	003	CA	ALPINE		
06	005	CA	AMADOR		
06	007	CA	BUTTE		
06	009	CA	CALAVERAS		
06	011	CA	COLUSA		
06	013	CA	CONTRA COSTA		
06	015	CA	DEL NORTE		
06	017	CA	EL DORADO		
06	019	CA	FRESNO		
06	021	CA	GLENN		
06	023	CA	HUMBOLDT		
06	025	CA	IMPERIAL		
06	027	CA	INYO		
06	029	CA	KERN		
06	031	CA	KINGS		
06	033	CA	LAKE		
06	035	CA	LASSEN		
06	037	CA	LOS ANGELES		
06	039	CA	MADERA		
06	041	CA	MARIN		
06	043	CA	MARIPOSA		
06	045	CA	MENDOCINO		
06	047	CA	MERCED		
06	049	CA	MODOC		
06	051	CA	MONO		
06	053	CA	MONTEREY		
06	055	CA	NAPA		
06	057	CA	NEVADA		
06	059	CA	ORANGE		
06	061	CA	PLACER		
06	063	CA	PLUMAS		
06	065	CA	RIVERSIDE		
06	067	CA	SACRAMENTO		
06	069	CA	SAN BENITO		
06	071	CA	SAN BERNARDINO		
06	073	CA	SAN DIEGO		
06	075	CA	SAN FRANCISCO		

FIPS St	State Cnty	County Abbrv Name	FIPS St	State Cnty	County Abbrv Name		
06	077	CA	SAN JOAQUIN	08	035	CO	DOUGLAS
06	079	CA	SAN LUIS OBISPO	08	037	CO	EAGLE
06	081	CA	SAN MATEO	08	039	CO	ELBERT
06	083	CA	SANTA BARBARA	08	041	CO	EL PASO
06	085	CA	SANTA CLARA	08	043	CO	FREMONT
06	087	CA	SANTA CRUZ	08	045	CO	GARFIELD
06	089	CA	SHASTA	08	047	CO	GILPIN
06	091	CA	SIERRA	08	049	CO	GRAND
06	093	CA	SISKIYOU	08	051	CO	GUNNISON
06	095	CA	SOLANO	08	053	CO	HINSDALE
06	097	CA	SONOMA	08	055	CO	HUERFANO
06	099	CA	STANISLAUS	08	057	CO	JACKSON
06	101	CA	SUTTER	08	059	CO	JEFFERSON
06	103	CA	TEHAMA	08	061	CO	KIOWA
06	105	CA	TRINITY	08	063	CO	KIT CARSON
06	107	CA	TULARE	08	065	CO	LAKE
06	109	CA	TUOLUMNE	08	067	CO	LA PLATA
06	111	CA	VENTURA	08	069	CO	LARIMER
06	113	CA	YOLO	08	071	CO	LAS ANIMAS
06	115	CA	YUBA	08	073	CO	LINCOLN
COLORADO				08	075	CO	LOGAN
08	000	CO	STATE TOTAL	08	077	CO	MESA
08	001	CO	ADAMS	08	079	CO	MINERAL
08	003	CO	ALAMOSA	08	081	CO	MOFFAT
08	005	CO	ARAPAHOE	08	083	CO	MONTEZUMA
08	007	CO	ARCHULETA	08	085	CO	MONTROSE
08	009	CO	BACA	08	087	CO	MORGAN
08	011	CO	BENT	08	089	CO	OTERO
08	013	CO	BOULDER	08	091	CO	OURAY
08	014	CO	BROOMFIELD	08	093	CO	PARK
08	015	CO	CHAFFEE	08	095	CO	PHILLIPS
08	017	CO	CHEYENNE	08	097	CO	PITKIN
08	019	CO	CLEAR CREEK	08	099	CO	PROWERS
08	021	CO	CONEJOS	08	101	CO	PUEBLO
08	023	CO	COSTILLA	08	103	CO	RIO BLANCO
08	025	CO	CROWLEY	08	105	CO	RIO GRANDE
08	027	CO	CUSTER	08	107	CO	ROUTT
08	029	CO	DELTA	08	109	CO	SAGUACHE
08	031	CO	DENVER	08	111	CO	SAN JUAN
08	033	CO	DOLORES	08	113	CO	SAN MIGUEL
				08	115	CO	SEDGWICK

FIPS St	State Cnty	County Abbrv	Name	FIPS St	State Cnty	County Abbrv	Name
08	117	CO	SUMMIT	12	025	FL	MIAMI-DADE
08	119	CO	TELLER	12	027	FL	DE SOTO
08	121	CO	WASHINGTON	12	029	FL	DIXIE
08	123	CO	WELD	12	031	FL	DUVAL
08	125	CO	YUMA	12	033	FL	ESCAMBIA
CONNECTICUTT				12	035	FL	FLAGLER
09	000	CT	STATE TOTAL	12	037	FL	FRANKLIN
09	001	CT	FAIRFIELD	12	039	FL	GADSDEN
09	003	CT	HARTFORD	12	041	FL	GILCHRIST
09	005	CT	LITCHFIELD	12	043	FL	GLADES
09	007	CT	MIDDLESEX	12	045	FL	GULF
09	009	CT	NEW HAVEN	12	047	FL	HAMILTON
09	011	CT	NEW LONDON	12	049	FL	HARDEE
09	013	CT	TOLLAND	12	051	FL	HENDRY
09	015	CT	WINDHAM	12	053	FL	HERNANDO
DELAWARE				12	055	FL	HIGHLANDS
10	000	DE	STATE TOTAL	12	057	FL	HILLSBOROUGH
10	001	DE	KENT	12	059	FL	HOLMES
10	003	DE	NEW CASTLE	12	061	FL	INDIAN RIVER
10	005	DE	SUSSEX	12	063	FL	JACKSON
DISTRICT of COLUMBIA				12	065	FL	JEFFERSON
11	000	DC	STATE TOTAL	12	067	FL	LAFAYETTE
11	001	DC	WASHINGTON	12	069	FL	LAKE
FLORIDA				12	071	FL	LEE
12	000	FL	STATE TOTAL	12	073	FL	LEON
12	001	FL	ALACHUA	12	075	FL	LEVY
12	003	FL	BAKER	12	077	FL	LIBERTY
12	005	FL	BAY	12	079	FL	MADISON
12	007	FL	BRADFORD	12	081	FL	MANATEE
12	009	FL	BREVARD	12	083	FL	MARION
12	011	FL	BROWARD	12	085	FL	MARTIN
12	013	FL	CALHOUN	12	086	FL	MIAMI-DADE
12	015	FL	CHARLOTTE	12	087	FL	MONROE
12	017	FL	CITRUS	12	089	FL	NASSAU
12	019	FL	CLAY	12	091	FL	OKALOOSA
12	021	FL	COLLIER	12	093	FL	OKEECHOBEE
12	023	FL	COLUMBIA	12	095	FL	ORANGE
				12	097	FL	OSCEOLA
				12	099	FL	PALM BEACH
				12	101	FL	PASCO
				12	103	FL	PINELLAS

FIPS	State	County	FIPS	State	County		
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name		
12	105	FL	POLK	13	047	GA	CATOOSA
12	107	FL	PUTNAM	13	049	GA	CHARLTON
12	109	FL	ST. JOHNS	13	051	GA	CHATHAM
12	111	FL	ST. LUCIE	13	053	GA	CHATTAHOOCHEE
12	113	FL	SANTA ROSA	13	055	GA	CHATTOOGA
12	115	FL	SARASOTA	13	057	GA	CHEROKEE
12	117	FL	SEMINOLE	13	059	GA	CLARKE
12	119	FL	SUMTER	13	061	GA	CLAY
12	121	FL	SUWANNEE	13	063	GA	CLAYTON
12	123	FL	TAYLOR	13	065	GA	CLINCH
12	125	FL	UNION	13	067	GA	COBB
12	127	FL	VOLUSIA	13	069	GA	COFFEE
12	129	FL	WAKULLA	13	071	GA	COLQUITT
12	131	FL	WALTON	13	073	GA	COLUMBIA
12	133	FL	WASHINGTON	13	075	GA	COOK
GEORGIA				13	077	GA	COWETA
13	000	GA	STATE TOTAL	13	079	GA	CRAWFORD
13	001	GA	APPLING	13	081	GA	CRISP
13	003	GA	ATKINSON	13	083	GA	DADE
13	005	GA	BACON	13	085	GA	DAWSON
13	007	GA	BAKER	13	087	GA	DECATUR
13	009	GA	BALDWIN	13	089	GA	DE KALB
13	011	GA	BANKS	13	091	GA	DODGE
13	013	GA	BARROW	13	093	GA	DOOLY
13	015	GA	BARTOW	13	095	GA	DOUGHERTY
13	017	GA	BEN HILL	13	097	GA	DOUGLAS
13	019	GA	BERRIEN	13	099	GA	EARLY
13	021	GA	BIBB	13	101	GA	ECHOLS
13	023	GA	BLECKLEY	13	103	GA	EFFINGHAM
13	025	GA	BRANTLEY	13	105	GA	ELBERT
13	027	GA	BROOKS	13	107	GA	EMANUEL
13	029	GA	BRYAN	13	109	GA	EVANS
13	031	GA	BULLOCH	13	111	GA	FANNIN
13	033	GA	BURKE	13	113	GA	FAYETTE
13	035	GA	BUTTS	13	115	GA	FLOYD
13	037	GA	CALHOUN	13	117	GA	FORSYTH
13	039	GA	CAMDEN	13	119	GA	FRANKLIN
13	041	GA	GILCHRIST	13	121	GA	FULTON
13	043	GA	CANDLER	13	123	GA	GILMER
13	045	GA	CARROLL	13	125	GA	GLASCOCK
				13	127	GA	GLYNN

FIPS	State	County	FIPS	State	County		
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name		
13	129	GA	GORDON	13	213	GA	MURRAY
13	131	GA	GRADY	13	215	GA	MUSCOGEE
13	133	GA	GREENE	13	217	GA	NEWTON
13	135	GA	GWINNETT	13	219	GA	OCONEE
13	137	GA	HABERSHAM	13	221	GA	OGLETHORPE
13	139	GA	HALL	13	223	GA	PAULDING
13	141	GA	HANCOCK	13	225	GA	PEACH
13	143	GA	HARALSON	13	227	GA	PICKENS
13	145	GA	HARRIS	13	229	GA	PIERCE
13	147	GA	HART	13	231	GA	PIKE
13	149	GA	HEARD	13	233	GA	POLK
13	151	GA	HENRY	13	235	GA	PULASKI
13	153	GA	HOUSTON	13	237	GA	PUTNAM
13	155	GA	IRWIN	13	239	GA	QUITMAN
13	157	GA	JACKSON	13	241	GA	RABUN
13	159	GA	JASPER	13	243	GA	RANDOLPH
13	161	GA	JEFF DAVIS	13	245	GA	RICHMOND
13	163	GA	JEFFERSON	13	247	GA	ROCKDALE
13	165	GA	JENKINS	13	249	GA	SCHLEY
13	167	GA	JOHNSON	13	251	GA	SCREVEN
13	169	GA	JONES	13	253	GA	SEMINOLE
13	171	GA	LAMAR	13	255	GA	SPALDING
13	173	GA	LANIER	13	257	GA	STEPHENS
13	175	GA	LAURENS	13	259	GA	STEWART
13	177	GA	LEE	13	261	GA	SUMTER
13	179	GA	LIBERTY	13	263	GA	TALBOT
13	181	GA	LINCOLN	13	265	GA	TALIAFERRO
13	183	GA	LONG	13	267	GA	TATTNALL
13	185	GA	LOWNDES	13	269	GA	TAYLOR
13	187	GA	LUMPKIN	13	271	GA	TELFAIR
13	189	GA	MCDUFFIE	13	273	GA	TERRELL
13	191	GA	MCINTOSH	13	275	GA	THOMAS
13	193	GA	MACON	13	277	GA	TIFT
13	195	GA	MADISON	13	279	GA	TOOMBS
13	197	GA	MARION	13	281	GA	TOWNS
13	199	GA	MERIWETHER	13	283	GA	TREUTLEN
13	201	GA	MILLER	13	285	GA	TROUP
13	205	GA	MITCHELL	13	287	GA	TURNER
13	207	GA	MONROE	13	289	GA	TWIGGS
13	209	GA	MONTGOMERY	13	291	GA	UNION
13	211	GA	MORGAN	13	293	GA	UPSON

FIPS				FIPS			
St	Cnty	State Abbrv	County Name	St	Cnty	State Abbrv	County Name
13	295	GA	WALKER	16	031	ID	CASSIA
13	297	GA	WALTON	16	033	ID	CLARK
13	299	GA	WARE	16	035	ID	CLEARWATER
13	301	GA	WARREN	16	037	ID	CUSTER
13	303	GA	WASHINGTON	16	039	ID	ELMORE
13	305	GA	WAYNE	16	041	ID	FRANKLIN
13	307	GA	WEBSTER	16	043	ID	FREMONT
13	309	GA	WHEELER	16	045	ID	GEM
13	311	GA	WHITE	16	047	ID	GOODING
13	313	GA	WHITFIELD	16	049	ID	IDAHO
13	315	GA	WILCOX	16	051	ID	JEFFERSON
13	317	GA	WILKES	16	053	ID	JEROME
13	319	GA	WILKINSON	16	055	ID	KOOTENAI
13	321	GA	WORTH	16	057	ID	LATAH
13	999	GA	UNKNOWN	16	059	ID	LEMHI
HAWAII				16	061	ID	LEWIS
15	000	HI	STATE TOTAL	16	063	ID	LINCOLN
15	001	HI	HAWAII	16	065	ID	MADISON
15	003	HI	HONOLULU	16	067	ID	MINIDOKA
15	005	HI	KALAWAO	16	069	ID	NEZ PERCE
15	007	HI	KAUAI	16	071	ID	ONEIDA
15	009	HI	MAUI	16	073	ID	OWYHEE
IDAHO				16	075	ID	PAYETTE
16	000	ID	STATE TOTAL	16	077	ID	POWER
16	001	ID	ADA	16	079	ID	SHOSHONE
16	003	ID	ADAMS	16	081	ID	TETON
16	005	ID	BANNOCK	16	083	ID	TWIN FALLS
16	007	ID	BEAR LAKE	16	085	ID	VALLEY
16	009	ID	BENEWAH	16	087	ID	WASHINGTON
16	011	ID	BINGHAM	ILLINOIS			
16	013	ID	BLAINE	17	000	IL	STATE TOTAL
16	015	ID	BOISE	17	001	IL	ADAMS
16	017	ID	BONNER	17	003	IL	ALEXANDER
16	019	ID	BONNEVILLE	17	005	IL	BOND
16	021	ID	BOUNDARY	17	007	IL	BOONE
16	023	ID	BUTTE	17	009	IL	BROWN
16	025	ID	CAMAS	17	011	IL	BUREAU
16	027	ID	CANYON	17	013	IL	CALHOUN
16	029	ID	CARIBOU	17	015	IL	CARROLL
				17	017	IL	CASS
				17	019	IL	CHAMPAIGN

FIPS	State	County	FIPS	State	County		
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name		
17	021	IL	CHRISTIAN	17	103	IL	LEE
17	023	IL	CLARK	17	105	IL	LIVINGSTON
17	025	IL	CLAY	17	107	IL	LOGAN
17	027	IL	CLINTON	17	109	IL	MCDONOUGH
17	029	IL	COLES	17	111	IL	MCHENRY
17	031	IL	COOK	17	113	IL	MCLEAN
17	033	IL	CRAWFORD	17	115	IL	MACON
17	035	IL	CUMBERLAND	17	117	IL	MACOUPIN
17	037	IL	DE KALB	17	119	IL	MADISON
17	039	IL	DE WITT	17	121	IL	MARION
17	041	IL	DOUGLAS	17	123	IL	MARSHALL
17	043	IL	DU PAGE	17	125	IL	MASON
17	045	IL	EDGAR	17	127	IL	MASSAC
17	047	IL	EDWARDS	17	129	IL	MENARD
17	049	IL	EFFINGHAM	17	131	IL	MERCER
17	051	IL	FAYETTE	17	133	IL	MONROE
17	053	IL	FORD	17	135	IL	MONTGOMERY
17	055	IL	FRANKLIN	17	137	IL	MORGAN
17	057	IL	FULTON	17	139	IL	MOULTRIE
17	059	IL	GALLATIN	17	141	IL	OGLE
17	061	IL	GREENE	17	143	IL	PEORIA
17	063	IL	GRUNDY	17	145	IL	PERRY
17	065	IL	HAMILTON	17	147	IL	PIATT
17	067	IL	HANCOCK	17	149	IL	PIKE
17	069	IL	HARDIN	17	151	IL	POPE
17	071	IL	HENDERSON	17	153	IL	PULASKI
17	073	IL	HENRY	17	155	IL	PUTNAM
17	075	IL	IROQUOIS	17	157	IL	RANDOLPH
17	077	IL	JACKSON	17	159	IL	RICHLAND
17	079	IL	JASPER	17	161	IL	ROCK ISLAND
17	081	IL	JEFFERSON	17	163	IL	ST. CLAIR
17	083	IL	JERSEY	17	165	IL	SALINE
17	085	IL	JO DAVIESS	17	167	IL	SANGAMON
17	087	IL	JOHNSON	17	169	IL	SCHUYLER
17	089	IL	KANE	17	171	IL	SCOTT
17	091	IL	KANKAKEE	17	173	IL	SHELBY
17	093	IL	KENDALL	17	175	IL	STARK
17	095	IL	KNOX	17	177	IL	STEPHENSON
17	097	IL	LAKE	17	179	IL	TAZEWELL
17	099	IL	LA SALLE	17	181	IL	UNION
17	101	IL	LAWRENCE	17	183	IL	VERMILION

FIPS	State	County	FIPS	State	County		
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name		
17	185	IL	WABASH	18	057	IN	HAMILTON
17	187	IL	WARREN	18	059	IN	HANCOCK
17	189	IL	WASHINGTON	18	061	IN	HARRISON
17	191	IL	WAYNE	18	063	IN	HENDRICKS
17	193	IL	WHITE	18	065	IN	HENRY
17	195	IL	WHITESIDE	18	067	IN	HOWARD
17	197	IL	WILL	18	069	IN	HUNTINGTON
17	199	IL	WILLIAMSON	18	071	IN	JACKSON
17	201	IL	WINNEBAGO	18	073	IN	JASPER
17	203	IL	WOODFORD	18	075	IN	JAY
INDIANA				18	077	IN	JEFFERSON
18	000	IN	STATE TOTAL	18	079	IN	JENNINGS
18	001	IN	ADAMS	18	081	IN	JOHNSON
18	003	IN	ALLEN	18	083	IN	KNOX
18	005	IN	BARTHOLOMEW	18	085	IN	KOSCIUSKO
18	007	IN	BENTON	18	087	IN	LAGRANGE
18	009	IN	BLACKFORD	18	089	IN	LAKE
18	011	IN	BOONE	18	091	IN	LA PORTE
18	013	IN	BROWN	18	093	IN	LAWRENCE
18	015	IN	CARROLL	18	095	IN	MADISON
18	017	IN	CASS	18	097	IN	MARION
18	019	IN	CLARK	18	099	IN	MARSHALL
18	021	IN	CLAY	18	101	IN	MARTIN
18	023	IN	CLINTON	18	103	IN	MIAMI
18	025	IN	CRAWFORD	18	105	IN	MONROE
18	027	IN	DAVISS	18	107	IN	MONTGOMERY
18	029	IN	DEARBORN	18	109	IN	MORGAN
18	031	IN	DECATUR	18	111	IN	NEWTON
18	033	IN	DE KALB	18	113	IN	NOBLE
18	035	IN	DELAWARE	18	115	IN	OHIO
18	037	IN	DUBOIS	18	117	IN	ORANGE
18	039	IN	ELKHART	18	119	IN	OWEN
18	041	IN	FAYETTE	18	121	IN	PARKE
18	043	IN	FLOYD	18	123	IN	PERRY
18	045	IN	FOUNTAIN	18	125	IN	PIKE
18	047	IN	FRANKLIN	18	127	IN	PORTER
18	049	IN	FULTON	18	129	IN	POSEY
18	051	IN	GIBSON	18	131	IN	PULASKI
18	053	IN	GRANT	18	133	IN	PUTNAM
18	055	IN	GREENE	18	135	IN	RANDOLPH
				18	137	IN	RIPLEY

FIPS	State	County		FIPS	State	County	
St	Cnty	Abbrv	Name	St	Cnty	Abbrv	Name
18	139	IN	RUSH	19	031	IA	CEDAR
18	141	IN	ST. JOSEPH	19	033	IA	CERRO GORDO
18	143	IN	SCOTT	19	035	IA	CHEROKEE
18	145	IN	SHELBY	19	037	IA	CHICKASAW
18	147	IN	SPENCER	19	039	IA	CLARKE
18	149	IN	STARKE	19	041	IA	CLAY
18	151	IN	STEUBEN	19	043	IA	CLAYTON
18	153	IN	SULLIVAN	19	045	IA	CLINTON
18	155	IN	SWITZERLAND	19	047	IA	CRAWFORD
18	157	IN	TIPPECANOE	19	049	IA	DALLAS
18	159	IN	TIPTON	19	051	IA	DAVIS
18	161	IN	UNION	19	053	IA	DECATUR
18	163	IN	VANDEBURGH	19	055	IA	DELAWARE
18	165	IN	VERMILLION	19	057	IA	DES MOINES
18	167	IN	VIGO	19	059	IA	DICKINSON
18	169	IN	WABASH	19	061	IA	DUBUQUE
18	171	IN	WARREN	19	063	IA	EMMET
18	173	IN	WARRICK	19	065	IA	FAYETTE
18	175	IN	WASHINGTON	19	067	IA	FLOYD
18	177	IN	WAYNE	19	069	IA	FRANKLIN
18	179	IN	WELLS	19	071	IA	FREMONT
18	181	IN	WHITE	19	073	IA	GREENE
18	183	IN	WHITLEY	19	075	IA	GRUNDY
IOWA				19	077	IA	GUTHRIE
19	000	IA	STATE TOTAL	19	079	IA	HAMILTON
19	001	IA	ADAIR	19	081	IA	HANCOCK
19	003	IA	ADAMS	19	083	IA	HARDIN
19	005	IA	ALLAMAKEE	19	085	IA	HARRISON
19	007	IA	APPANOOSE	19	087	IA	HENRY
19	009	IA	AUDUBON	19	089	IA	HOWARD
19	011	IA	BENTON	19	091	IA	HUMBOLDT
19	013	IA	BLACK HAWK	19	093	IA	IDA
19	015	IA	BOONE	19	095	IA	IOWA
19	017	IA	BREMER	19	097	IA	JACKSON
19	019	IA	BUCHANAN	19	099	IA	JASPER
19	021	IA	BUENA VISTA	19	101	IA	JEFFERSON
19	023	IA	BUTLER	19	103	IA	JOHNSON
19	025	IA	CALHOUN	19	105	IA	JONES
19	027	IA	CARROLL	19	107	IA	KEOKUK
19	029	IA	CASS	19	109	IA	KOSSUTH
				19	111	IA	LEE

FIPS	State	County	FIPS	State	County
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name
19	113	IA LINN	19	195	IA WORTH
19	115	IA LOUISA	19	197	IA WRIGHT
19	117	IA LUCAS			
19	119	IA LYON			
19	121	IA MADISON			
19	123	IA MAHASKA			
19	125	IA MARION			
19	127	IA MARSHALL			
19	129	IA MILLS			
19	131	IA MITCHELL			
19	133	IA MONONA			
19	135	IA MONROE			
19	137	IA MONTGOMERY			
19	139	IA MUSCATINE			
19	141	IA O'BRIEN			
19	143	IA OSCEOLA			
19	145	IA PAGE			
19	147	IA PALO ALTO			
19	149	IA PLYMOUTH			
19	151	IA POCAHONTAS			
19	153	IA POLK			
19	155	IA POTTAWATTAMIE			
19	157	IA POWESHIEK			
19	159	IA RINGGOLD			
19	161	IA SAC			
19	163	IA SCOTT			
19	165	IA SHELBY			
19	167	IA SIOUX			
19	169	IA STORY			
19	171	IA TAMA			
19	173	IA TAYLOR			
19	175	IA UNION			
19	177	IA VAN BUREN			
19	179	IA WAPELLO			
19	181	IA WARREN			
19	183	IA WASHINGTON			
19	185	IA WAYNE			
19	187	IA WEBSTER			
19	189	IA WINNEBAGO			
19	191	IA WINNESHIEK			
19	193	IA WOODBURY			
			KANSAS		
			20 000	KS	STATE TOTAL
			20 001	KS	ALLEN
			20 003	KS	ANDERSON
			20 005	KS	ATCHISON
			20 007	KS	BARBER
			20 009	KS	BARTON
			20 011	KS	BOURBON
			20 013	KS	BROWN
			20 015	KS	BUTLER
			20 017	KS	CHASE
			20 019	KS	CHAUTAUQUA
			20 021	KS	CHEROKEE
			20 023	KS	CHEYENNE
			20 025	KS	CLARK
			20 027	KS	CLAY
			20 029	KS	CLOUD
			20 031	KS	COFFEY
			20 033	KS	COMANCHE
			20 035	KS	COWLEY
			20 037	KS	CRAWFORD
			20 039	KS	DECATUR
			20 041	KS	DICKINSON
			20 043	KS	DONIPHAN
			20 045	KS	DOUGLAS
			20 047	KS	EDWARDS
			20 049	KS	ELK
			20 051	KS	ELLIS
			20 053	KS	ELLSWORTH
			20 055	KS	FINNEY
			20 057	KS	FORD
			20 059	KS	FRANKLIN
			20 061	KS	GEARY
			20 063	KS	GOVE
			20 065	KS	GRAHAM
			20 067	KS	GRANT
			20 069	KS	GRAY
			20 071	KS	GREELEY

FIPS	State	County		FIPS	State	County	
St	Cnty	Abbvr	Name	St	Cnty	Abbvr	Name
20	073	KS	GREENWOOD	20	155	KS	RENO
20	075	KS	HAMILTON	20	157	KS	REPUBLIC
20	077	KS	HARPER	20	159	KS	RICE
20	079	KS	HARVEY	20	161	KS	RILEY
20	081	KS	HASKELL	20	163	KS	ROOKS
20	083	KS	HODGEMAN	20	165	KS	RUSH
20	085	KS	JACKSON	20	167	KS	RUSSELL
20	087	KS	JEFFERSON	20	169	KS	SALINE
20	089	KS	JEWELL	20	171	KS	SCOTT
20	091	KS	JOHNSON	20	173	KS	SEDGWICK
20	093	KS	KEARNY	20	175	KS	SEWARD
20	095	KS	KINGMAN	20	177	KS	SHAWNEE
20	097	KS	KIOWA	20	179	KS	SHERIDAN
20	099	KS	LABETTE	20	181	KS	SHERMAN
20	101	KS	LANE	20	183	KS	SMITH
20	103	KS	LEAVENWORTH	20	185	KS	STAFFORD
20	105	KS	LINCOLN	20	187	KS	STANTON
20	107	KS	LINN	20	189	KS	STEVENS
20	109	KS	LOGAN	20	191	KS	SUMNER
20	111	KS	LYON	20	193	KS	THOMAS
20	113	KS	MCPHERSON	20	195	KS	TREGO
20	115	KS	MARION	20	197	KS	WABAUNSEE
20	117	KS	MARSHALL	20	199	KS	WALLACE
20	119	KS	MEADE	20	201	KS	WASHINGTON
20	121	KS	MIAMI	20	203	KS	WICHITA
20	123	KS	MITCHELL	20	205	KS	WILSON
20	125	KS	MONTGOMERY	20	207	KS	WOODSON
20	127	KS	MORRIS	20	209	KS	WYANDOTTE
20	129	KS	MORTON				
20	131	KS	NEMAHA				
20	133	KS	NEOSHO	21	000	KY	STATE TOTAL
20	135	KS	NESS	21	001	KY	ADAIR
20	137	KS	NORTON	21	003	KY	ALLEN
20	139	KS	OSAGE	21	005	KY	ANDERSON
20	141	KS	OSBORNE	21	007	KY	BALLARD
20	143	KS	OTTAWA	21	009	KY	BARREN
20	145	KS	PAWNEE	21	011	KY	BATH
20	147	KS	PHILLIPS	21	013	KY	BELL
20	149	KS	POTTAWATOMIE	21	015	KY	BOONE
20	151	KS	PRATT	21	017	KY	BOURBON
20	153	KS	RAWLINS	21	019	KY	BOYD

FIPS				FIPS			
St	Cnty	State Abbrv	County Name	St	Cnty	State Abbrv	County Name
21	021	KY	BOYLE	21	103	KY	HENRY
21	023	KY	BRACKEN	21	105	KY	HICKMAN
21	025	KY	BREATHITT	21	107	KY	HOPKINS
21	027	KY	BRECKINRIDGE	21	109	KY	JACKSON
21	029	KY	BULLITT	21	111	KY	JEFFERSON
21	031	KY	BUTLER	21	113	KY	JESSAMINE
21	033	KY	CALDWELL	21	115	KY	JOHNSON
21	035	KY	CALLOWAY	21	117	KY	KENTON
21	037	KY	CAMPBELL	21	119	KY	KNOTT
21	039	KY	CARLISLE	21	121	KY	KNOX
21	041	KY	CARROLL	21	123	KY	LARUE
21	043	KY	CARTER	21	125	KY	LAUREL
21	045	KY	CASEY	21	127	KY	LAWRENCE
21	047	KY	CHRISTIAN	21	129	KY	LEE
21	049	KY	CLARK	21	131	KY	LESLIE
21	051	KY	CLAY	21	133	KY	LETCHER
21	053	KY	CLINTON	21	135	KY	LEWIS
21	055	KY	CRITTENDEN	21	137	KY	LINCOLN
21	057	KY	CUMBERLAND	21	139	KY	LIVINGSTON
21	059	KY	DAVISS	21	141	KY	LOGAN
21	061	KY	EDMONSON	21	143	KY	LYON
21	063	KY	ELLIOTT	21	145	KY	MCCRACKEN
21	065	KY	ESTILL	21	147	KY	MCCREARY
21	067	KY	FAYETTE	21	149	KY	MCLEAN
21	069	KY	FLEMING	21	151	KY	MADISON
21	071	KY	FLOYD	21	153	KY	MAGOFFIN
21	073	KY	FRANKLIN	21	155	KY	MARION
21	075	KY	FULTON	21	157	KY	MARSHALL
21	077	KY	GALLATIN	21	159	KY	MARTIN
21	079	KY	GARRARD	21	161	KY	MASON
21	081	KY	GRANT	21	163	KY	MEADE
21	083	KY	GRAVES	21	165	KY	MENIFEE
21	085	KY	GRAYSON	21	167	KY	MERCER
21	087	KY	GREEN	21	169	KY	METCALFE
21	089	KY	GREENUP	21	171	KY	MONROE
21	091	KY	HANCOCK	21	173	KY	MONTGOMERY
21	093	KY	HARDIN	21	175	KY	MORGAN
21	095	KY	HARLAN	21	177	KY	MUHLENBERG
21	097	KY	HARRISON	21	179	KY	NELSON
21	099	KY	HART	21	181	KY	NICHOLAS
21	101	KY	HENDERSON	21	183	KY	OHIO

FIPS	State	County	FIPS	State	County		
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name		
21	185	KY	OLDHAM	22	021	LA	CALDWELL
21	187	KY	OWEN	22	023	LA	CAMERON
21	189	KY	OWSLEY	22	025	LA	CATAHOULA
21	191	KY	PENDLETON	22	027	LA	CLAIBORNE
21	193	KY	PERRY	22	029	LA	CONCORDIA
21	195	KY	PIKE	22	031	LA	DE SOTO
21	197	KY	POWELL	22	033	LA	EAST BATON ROUGE
21	199	KY	PULASKI	22	035	LA	EAST CARROLL
21	201	KY	ROBERTSON	22	037	LA	EAST FELICIANA
21	203	KY	ROCKCASTLE	22	039	LA	EVANGELINE
21	205	KY	ROWAN	22	041	LA	FRANKLIN
21	207	KY	RUSSELL	22	043	LA	GRANT
21	209	KY	SCOTT	22	045	LA	IBERIA
21	211	KY	SHELBY	22	047	LA	IBERVILLE
21	213	KY	SIMPSON	22	049	LA	JACKSON
21	215	KY	SPENCER	22	051	LA	JEFFERSON
21	217	KY	TAYLOR	22	053	LA	JEFFERSON DAVIS
21	219	KY	TODD	22	055	LA	LAFAYETTE
21	221	KY	TRIGG	22	057	LA	LAFOURCHE
21	223	KY	TRIMBLE	22	059	LA	LA SALLE
21	225	KY	UNION	22	061	LA	LINCOLN
21	227	KY	WARREN	22	063	LA	LIVINGSTON
21	229	KY	WASHINGTON	22	065	LA	MADISON
21	231	KY	WAYNE	22	067	LA	MOREHOUSE
21	233	KY	WEBSTER	22	069	LA	NATCHITOCHE
21	235	KY	WHITLEY	22	071	LA	ORLEANS
21	237	KY	WOLFE	22	073	LA	OUACHITA
21	239	KY	WOODFORD	22	075	LA	PLAQUEMINES
LOUISIANA				22	077	LA	POINTE COUPEE
22	000	LA	STATE TOTAL	22	079	LA	RAPIDES
22	001	LA	ACADIA	22	081	LA	RED RIVER
22	003	LA	ALLEN	22	083	LA	RICHLAND
22	005	LA	ASCENSION	22	085	LA	SABINE
22	007	LA	ASSUMPTION	22	087	LA	ST. BERNARD
22	009	LA	AVOUELLES	22	089	LA	ST. CHARLES
22	011	LA	BEAUREGARD	22	091	LA	ST. HELENA
22	013	LA	BIENVILLE	22	093	LA	ST. JAMES
22	015	LA	BOSSIER	22	095	LA	ST. JOHN THE BAPTIST
22	017	LA	CADDO	22	097	LA	ST. LANDRY
22	019	LA	CALCASIEU	22	099	LA	ST. MARTIN
				22	101	LA	ST. MARY

FIPS St	State Cnty	County Abbrv	Name	FIPS St	State Cnty	County Abbrv	Name
22	103	LA	ST. TAMMANY	24	015	MD	CECIL
22	105	LA	TANGIPAOHA	24	017	MD	CHARLES
22	107	LA	TENSAS	24	019	MD	DORCHESTER
22	109	LA	TERREBONNE	24	021	MD	FREDERICK
22	111	LA	UNION	24	023	MD	GARRETT
22	113	LA	VERMILION	24	025	MD	HARFORD
22	115	LA	VERNON	24	027	MD	HOWARD
22	117	LA	WASHINGTON	24	029	MD	KENT
22	119	LA	WEBSTER	24	031	MD	MONTGOMERY
22	121	LA	WEST BATON ROUGE	24	033	MD	PRINCE GEORGE'S
22	123	LA	WEST CARROLL	24	035	MD	QUEEN ANNE'S
22	125	LA	WEST FELICIANA	24	037	MD	ST. MARY'S
22	127	LA	WINN	24	039	MD	SOMERSET
MAINE				24	041	MD	TALBOT
23	000	ME	STATE TOTAL	24	043	MD	WASHINGTON
23	001	ME	ANDROSCOGGIN	24	045	MD	WICOMICO
23	003	ME	AROOSTOOK	24	047	MD	WORCESTER
23	005	ME	CUMBERLAND	24	510	MD	BALTIMORE CITY
23	007	ME	FRANKLIN	MASSACHUSETTS			
23	009	ME	HANCOCK	25	000	MA	STATE TOTAL
23	011	ME	KENNEBEC	25	001	MA	BARNSTABLE
23	013	ME	KNOX	25	003	MA	BERKSHIRE
23	015	ME	LINCOLN	25	005	MA	BRISTOL
23	017	ME	OXFORD	25	007	MA	DUKES
23	019	ME	PENOBSCOT	25	009	MA	ESSEX
23	021	ME	PISCATAQUIS	25	011	MA	FRANKLIN
23	023	ME	SAGADAHOC	25	013	MA	HAMPDEN
23	025	ME	SOMERSET	25	015	MA	HAMPSHIRE
23	027	ME	WALDO	25	017	MA	MIDDLESEX
23	029	ME	WASHINGTON	25	019	MA	NANTUCKET
23	031	ME	YORK	25	021	MA	NORFOLK
MARYLAND				25	023	MA	PLYMOUTH
24	000	MD	STATE TOTAL	25	025	MA	SUFFOLK
24	001	MD	ALLEGANY	25	027	MA	WORCESTER
24	003	MD	ANNE ARUNDEL	MICHIGAN			
24	005	MD	BALTIMORE	26	000	MI	STATE TOTAL
24	009	MD	CALVERT	26	001	MI	ALCONA
24	011	MD	CAROLINE	26	003	MI	ALGER
24	013	MD	CARROLL	26	005	MI	ALLEGAN

FIPS				FIPS			
St	Cnty	State Abbrv	County Name	St	Cnty	State Abbrv	County Name
26	007	MI	ALPENA	26	089	MI	LEELANAU
26	009	MI	ANTRIM	26	091	MI	LENAWEE
26	011	MI	ARENAC	26	093	MI	LIVINGSTON
26	013	MI	BARAGA	26	095	MI	LUCE
26	015	MI	BARRY	26	097	MI	MACKINAC
26	017	MI	BAY	26	099	MI	MACOMB
26	019	MI	BENZIE	26	101	MI	MANISTEE
26	021	MI	BERRIEN	26	103	MI	MARQUETTE
26	023	MI	BRANCH	26	105	MI	MASON
26	025	MI	CALHOUN	26	107	MI	MECOSTA
26	027	MI	CASS	26	109	MI	MENOMINEE
26	029	MI	CHARLEVOIX	26	111	MI	MIDLAND
26	031	MI	CHEBOYGAN	26	113	MI	MISSAUKEE
26	033	MI	CHIPPEWA	26	115	MI	MONROE
26	035	MI	CLARE	26	117	MI	MONTCALM
26	037	MI	CLINTON	26	119	MI	MONTMORENCY
26	039	MI	CRAWFORD	26	121	MI	MUSKEGON
26	041	MI	DELTA	26	123	MI	NEWAYGO
26	043	MI	DICKINSON	26	125	MI	OAKLAND
26	045	MI	EATON	26	127	MI	OCEANA
26	047	MI	EMMET	26	129	MI	OGEMAW
26	049	MI	GENESEE	26	131	MI	ONTONAGON
26	051	MI	GLADWIN	26	133	MI	OSCEOLA
26	053	MI	GOGEBIC	26	135	MI	OSCODA
26	055	MI	GRAND TRAVERSE	26	137	MI	OTSEGO
26	057	MI	GRATIOT	26	139	MI	OTTAWA
26	059	MI	HILLSDALE	26	141	MI	PRESQUE ISLE
26	061	MI	HOUGHTON	26	143	MI	ROSCOMMON
26	063	MI	HURON	26	145	MI	SAGINAW
26	065	MI	INGHAM	26	147	MI	ST. CLAIR
26	067	MI	IONIA	26	149	MI	ST. JOSEPH
26	069	MI	IOSCO	26	151	MI	SANILAC
26	071	MI	IRON	26	153	MI	SCHOOLCRAFT
26	073	MI	ISABELLA	26	155	MI	SHIAWASSEE
26	075	MI	JACKSON	26	157	MI	TUSCOLA
26	077	MI	KALAMAZOO	26	159	MI	VAN BUREN
26	079	MI	KALKASKA	26	161	MI	WASHTENAW
26	081	MI	KENT	26	163	MI	WAYNE
26	083	MI	KEWEENAW	26	165	MI	WEXFORD
26	085	MI	LAKE				
26	087	MI	LAPEER				

MINNESOTA

FIPS	State	County	FIPS	State	County
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name
27	000	MN	27	081	MN
		STATE TOTAL			LINCOLN
27	001	MN	27	083	MN
		AITKIN			LYON
27	003	MN	27	085	MN
		ANOKA			MCLEOD
27	005	MN	27	087	MN
		BECKER			MAHNOMEN
27	007	MN	27	089	MN
		BELTRAMI			MARSHALL
27	009	MN	27	091	MN
		BENTON			MARTIN
27	011	MN	27	093	MN
		BIG STONE			MEEKER
27	013	MN	27	095	MN
		BLUE EARTH			MILLE LACS
27	015	MN	27	097	MN
		BROWN			MORRISON
27	017	MN	27	099	MN
		CARLTON			MOWER
27	019	MN	27	101	MN
		CARVER			MURRAY
27	021	MN	27	103	MN
		CASS			NICOLLET
27	023	MN	27	105	MN
		CHIPPEWA			NOBLES
27	025	MN	27	107	MN
		CHISAGO			NORMAN
27	027	MN	27	109	MN
		CLAY			OLMSTED
27	029	MN	27	111	MN
		CLEARWATER			OTTER TAIL
27	031	MN	27	113	MN
		COOK			PENNINGTON
27	033	MN	27	115	MN
		COTTONWOOD			PINE
27	035	MN	27	117	MN
		CROW WING			PIPESTONE
27	037	MN	27	119	MN
		DAKOTA			POLK
27	039	MN	27	121	MN
		DODGE			POPE
27	041	MN	27	123	MN
		DOUGLAS			RAMSEY
27	043	MN	27	125	MN
		FARIBAULT			RED LAKE
27	045	MN	27	127	MN
		FILLMORE			REDWOOD
27	047	MN	27	129	MN
		FREEBORN			RENVILLE
27	049	MN	27	131	MN
		GOODHUE			RICE
27	051	MN	27	133	MN
		GRANT			ROCK
27	053	MN	27	135	MN
		HENNEPIN			ROSEAU
27	055	MN	27	137	MN
		HOUSTON			ST. LOUIS
27	057	MN	27	139	MN
		HUBBARD			SCOTT
27	059	MN	27	141	MN
		ISANTI			SHERBURNE
27	061	MN	27	143	MN
		ITASCA			SIBLEY
27	063	MN	27	145	MN
		JACKSON			STEARNS
27	065	MN	27	147	MN
		KANABEC			STEELE
27	067	MN	27	149	MN
		KANDIYOHI			STEVENS
27	069	MN	27	151	MN
		KITTSOON			SWIFT
27	071	MN	27	153	MN
		KOOCHICHING			TODD
27	073	MN	27	155	MN
		LAC QUI PARLE			TRAVERSE
27	075	MN	27	157	MN
		LAKE			WABASHA
27	077	MN	27	159	MN
		LAKE OF THE WOODS			WADENA
27	079	MN	27	161	MN
		LE SUEUR			WASECA

FIPS	State	County	FIPS	State	County
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name
27	163	MN WASHINGTON	28	063	MS JEFFERSON
27	165	MN WATONWAN	28	065	MS JEFFERSON DAVIS
27	167	MN WILKIN	28	067	MS JONES
27	169	MN WINONA	28	069	MS KEMPER
27	171	MN WRIGHT	28	071	MS LAFAYETTE
27	173	MN YELLOW MEDICINE	28	073	MS LAMAR
MISSISSIPPI			28	075	MS LAUDERDALE
28	000	MS STATE TOTAL	28	077	MS LAWRENCE
28	001	MS ADAMS	28	079	MS LEAKE
28	003	MS ALCORN	28	081	MS LEE
28	005	MS AMITE	28	083	MS LEFLORE
28	007	MS ATTALA	28	085	MS LINCOLN
28	009	MS BENTON	28	087	MS LOWNDES
28	011	MS BOLIVAR	28	089	MS MADISON
28	013	MS CALHOUN	28	091	MS MARION
28	015	MS CARROLL	28	093	MS MARSHALL
28	017	MS CHICKASAW	28	095	MS MONROE
28	019	MS CHOCTAW	28	097	MS MONTGOMERY
28	021	MS CLAIBORNE	28	099	MS NESHOPA
28	023	MS CLARKE	28	101	MS NEWTON
28	025	MS CLAY	28	103	MS NOXUBEE
28	027	MS COAHOMA	28	105	MS OKTIBBEHA
28	029	MS COPIAH	28	107	MS PANOLA
28	031	MS COVINGTON	28	109	MS PEARL RIVER
28	033	MS DE SOTO	28	111	MS PERRY
28	035	MS FORREST	28	113	MS PIKE
28	037	MS FRANKLIN	28	115	MS PONTOTOC
28	039	MS GEORGE	28	117	MS PRENTISS
28	041	MS GREENE	28	119	MS QUITMAN
28	043	MS GRENADA	28	121	MS RANKIN
28	045	MS HANCOCK	28	123	MS SCOTT
28	047	MS HARRISON	28	125	MS SHARKEY
28	049	MS HINDS	28	127	MS SIMPSON
28	051	MS HOLMES	28	129	MS SMITH
28	053	MS HUMPHREYS	28	131	MS STONE
28	055	MS ISSAQUENA	28	133	MS SUNFLOWER
28	057	MS ITAWAMBA	28	135	MS TALLAHATCHIE
28	059	MS JACKSON	28	137	MS TATE
28	061	MS JASPER	28	139	MS TIPPAH
			28	141	MS TISHOMINGO
			28	143	MS TUNICA

FIPS	State	County	FIPS	State	County		
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name		
28	145	MS	UNION	29	057	MO	DADE
28	147	MS	WALTHALL	29	059	MO	DALLAS
28	149	MS	WARREN	29	061	MO	DAVIESS
28	151	MS	WASHINGTON	29	063	MO	DE KALB
28	153	MS	WAYNE	29	065	MO	DENT
28	155	MS	WEBSTER	29	067	MO	DOUGLAS
28	157	MS	WILKINSON	29	069	MO	DUNKLIN
28	159	MS	WINSTON	29	071	MO	FRANKLIN
28	161	MS	YALOBUSHA	29	073	MO	GASCONADE
28	163	MS	YAZOO	29	075	MO	GENTRY
MISSOURI				29	077	MO	GREENE
29	000	MO	STATE TOTAL	29	079	MO	GRUNDY
29	001	MO	ADAIR	29	081	MO	HARRISON
29	003	MO	ANDREW	29	083	MO	HENRY
29	005	MO	ATCHISON	29	085	MO	HICKORY
29	007	MO	AUDRAIN	29	087	MO	HOLT
29	009	MO	BARRY	29	089	MO	HOWARD
29	011	MO	BARTON	29	091	MO	HOWELL
29	013	MO	BATES	29	093	MO	IRON
29	015	MO	BENTON	29	095	MO	JACKSON
29	017	MO	BOLLINGER	29	097	MO	JASPER
29	019	MO	BOONE	29	099	MO	JEFFERSON
29	021	MO	BUCHANAN	29	101	MO	JOHNSON
29	023	MO	BUTLER	29	103	MO	KNOX
29	025	MO	CALDWELL	29	105	MO	LACLEDE
29	027	MO	CALLAWAY	29	107	MO	LAFAYETTE
29	029	MO	CAMDEN	29	109	MO	LAWRENCE
29	031	MO	CAPE GIRARDEAU	29	111	MO	LEWIS
29	033	MO	CARROLL	29	113	MO	LINCOLN
29	035	MO	CARTER	29	115	MO	LINN
29	037	MO	CASS	29	117	MO	LIVINGSTON
29	039	MO	CEDAR	29	119	MO	MCDONALD
29	041	MO	CHARITON	29	121	MO	MACON
29	043	MO	CHRISTIAN	29	123	MO	MADISON
29	045	MO	CLARK	29	125	MO	MARIES
29	047	MO	CLAY	29	127	MO	MARION
29	049	MO	CLINTON	29	129	MO	MERCER
29	051	MO	COLE	29	131	MO	MILLER
29	053	MO	COOPER	29	133	MO	MISSISSIPPI
29	055	MO	CRAWFORD	29	135	MO	MONITEAU
				29	137	MO	MONROE

FIPS				FIPS			
St	Cnty	State Abbrv	County Name	St	Cnty	State Abbrv	County Name

29	139	MO	MONTGOMERY
29	141	MO	MORGAN
29	143	MO	NEW MADRID
29	145	MO	NEWTON
29	147	MO	NODAWAY
29	149	MO	OREGON
29	151	MO	OSAGE
29	153	MO	OZARK
29	155	MO	PEMISCOT
29	157	MO	PERRY
29	159	MO	PETTIS
29	161	MO	PHELPS
29	163	MO	PIKE
29	165	MO	PLATTE
29	167	MO	POLK
29	169	MO	PULASKI
29	171	MO	PUTNAM
29	173	MO	RALLS
29	175	MO	RANDOLPH
29	177	MO	RAY
29	179	MO	REYNOLDS
29	181	MO	RIPLEY
29	183	MO	ST. CHARLES
29	185	MO	ST. CLAIR
29	186	MO	STE. GENEVIEVE
29	187	MO	ST. FRANCOIS
29	189	MO	ST. LOUIS
29	195	MO	SALINE
29	197	MO	SCHUYLER
29	199	MO	SCOTLAND
29	201	MO	SCOTT
29	203	MO	SHANNON
29	205	MO	SHELBY
29	207	MO	STODDARD
29	209	MO	STONE
29	211	MO	SULLIVAN
29	213	MO	TANEY
29	215	MO	TEXAS
29	217	MO	VERNON
29	219	MO	WARREN
29	221	MO	WASHINGTON

29	223	MO	WAYNE
29	225	MO	WEBSTER
29	227	MO	WORTH
29	229	MO	WRIGHT
29	510	MO	ST. LOUIS CITY

MONTANA

30	000	MT	STATE TOTAL
30	001	MT	BEAVERHEAD
30	003	MT	BIG HORN
30	005	MT	BLAINE
30	007	MT	BROADWATER
30	009	MT	CARBON
30	011	MT	CARTER
30	013	MT	CASCADE
30	015	MT	CHOUTEAU
30	017	MT	CUSTER
30	019	MT	DANIELS
30	021	MT	DAWSON
30	023	MT	DEER LODGE
30	025	MT	FALLON
30	027	MT	FERGUS
30	029	MT	FLATHEAD
30	031	MT	GALLATIN
30	033	MT	GARFIELD
30	035	MT	GLACIER
30	037	MT	GOLDEN VALLEY
30	039	MT	GRANITE
30	041	MT	HILL
30	043	MT	JEFFERSON
30	045	MT	JUDITH BASIN
30	047	MT	LAKE
30	049	MT	LEWIS AND CLARK
30	051	MT	LIBERTY
30	053	MT	LINCOLN
30	055	MT	MCCONE
30	057	MT	MADISON
30	059	MT	MEAGHER
30	061	MT	MINERAL
30	063	MT	MISSOULA
30	065	MT	MUSSELSHELL

FIPS	State	County	FIPS	State	County		
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name		
30	067	MT	PARK	31	029	NE	CHASE
30	069	MT	PETROLEUM	31	031	NE	CHERRY
30	071	MT	PHILLIPS	31	033	NE	CHEYENNE
30	073	MT	PONDERA	31	035	NE	CLAY
30	075	MT	POWDER RIVER	31	037	NE	COLFAX
30	077	MT	POWELL	31	039	NE	CUMING
30	079	MT	PRAIRIE	31	041	NE	CUSTER
30	081	MT	RAVALLI	31	043	NE	DAKOTA
30	083	MT	RICHLAND	31	045	NE	DAWES
30	085	MT	ROOSEVELT	31	047	NE	DAWSON
30	087	MT	ROSEBUD	31	049	NE	DEUEL
30	089	MT	SANDERS	31	051	NE	DIXON
30	091	MT	SHERIDAN	31	053	NE	DODGE
30	093	MT	SILVER BOW	31	055	NE	DOUGLAS
30	095	MT	STILLWATER	31	057	NE	DUNDY
30	097	MT	SWEET GRASS	31	059	NE	FILLMORE
30	099	MT	TETON	31	061	NE	FRANKLIN
30	101	MT	TOOLE	31	063	NE	FRONTIER
30	103	MT	TREASURE	31	065	NE	FURNAS
30	105	MT	VALLEY	31	067	NE	GAGE
30	107	MT	WHEATLAND	31	069	NE	GARDEN
30	109	MT	WIBAUX	31	071	NE	GARFIELD
30	111	MT	YELLOWSTONE	31	073	NE	GOSPER
30	113	MT	YELLOWSTONE N. PARK	31	075	NE	GRANT
NEBRASKA				31	077	NE	GREELEY
31	000	NE	STATE TOTAL	31	079	NE	HALL
31	001	NE	ADAMS	31	081	NE	HAMILTON
31	003	NE	ANTELOPE	31	083	NE	HARLAN
31	005	NE	ARTHUR	31	085	NE	HAYES
31	007	NE	BANNER	31	087	NE	HITCHCOCK
31	009	NE	BLAINE	31	089	NE	HOLT
31	011	NE	BOONE	31	091	NE	HOOKER
31	013	NE	BOX BUTTE	31	093	NE	HOWARD
31	015	NE	BOYD	31	095	NE	JEFFERSON
31	017	NE	BROWN	31	097	NE	JOHNSON
31	019	NE	BUFFALO	31	099	NE	KEARNEY
31	021	NE	BURT	31	101	NE	KEITH
31	023	NE	BUTLER	31	103	NE	KEYA PAHA
31	025	NE	CASS	31	105	NE	KIMBALL
31	027	NE	CEDAR	31	107	NE	KNOX
				31	109	NE	LANCASTER

FIPS	State	County	FIPS	State	County
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name
31	111	NE LINCOLN	32	000	NV <i>STATE TOTAL</i>
31	113	NE LOGAN	32	001	NV CHURCHILL
31	115	NE LOUP	32	003	NV CLARK
31	117	NE MCPHERSON	32	005	NV DOUGLAS
31	119	NE MADISON	32	007	NV ELKO
31	121	NE MERRICK	32	009	NV ESMERALDA
31	123	NE MORRILL	32	011	NV EUREKA
31	125	NE NANCE	32	013	NV HUMBOLDT
31	127	NE NEMAHA	32	015	NV LANDER
31	129	NE NUCKOLLS	32	017	NV LINCOLN
31	131	NE OTOE	32	019	NV LYON
31	133	NE PAWNEE	32	021	NV MINERAL
31	135	NE PERKINS	32	023	NV NYE
31	137	NE PHELPS	32	027	NV PERSHING
31	139	NE PIERCE	32	029	NV STOREY
31	141	NE PLATTE	32	031	NV WASHOE
31	143	NE POLK	32	033	NV WHITE PINE
31	145	NE RED WILLOW	32	510	NV CARSON CITY CITY
31	147	NE RICHARDSON			
31	149	NE ROCK			
31	151	NE SALINE			
31	153	NE SARPY			
31	155	NE SAUNDERS			
31	157	NE SCOTTS BLUFF			
31	159	NE SEWARD			
31	161	NE SHERIDAN			
31	163	NE SHERMAN			
31	165	NE SIOUX			
31	167	NE STANTON			
31	169	NE THAYER			
31	171	NE THOMAS			
31	173	NE THURSTON			
31	175	NE VALLEY			
31	177	NE WASHINGTON			
31	179	NE WAYNE			
31	181	NE WEBSTER			
31	183	NE WHEELER			
31	185	NE YORK			
		NEVADA			
					NEW HAMPSHIRE
			33	000	NH <i>STATE TOTAL</i>
			33	001	NH BELKNAP
			33	003	NH CARROLL
			33	005	NH CHESHIRE
			33	007	NH COOS
			33	009	NH GRAFTON
			33	011	NH HILLSBOROUGH
			33	013	NH MERRIMACK
			33	015	NH ROCKINGHAM
			33	017	NH STRAFFORD
			33	019	NH SULLIVAN
					NEW JERSEY
			34	000	NJ <i>STATE TOTAL</i>
			34	001	NJ ATLANTIC
			34	003	NJ BERGEN
			34	005	NJ BURLINGTON
			34	007	NJ CAMDEN
			34	009	NJ CAPE MAY
			34	011	NJ CUMBERLAND
			34	013	NJ ESSEX

FIPS		State	County	FIPS		State	County
St	Cnty	Abbrv	Name	St	Cnty	Abbrv	Name
34	015	NJ	GLOUCESTER	35	045	NM	SAN JUAN
34	017	NJ	HUDSON	35	047	NM	SAN MIGUEL
34	019	NJ	HUNTERDON	35	049	NM	SANTA FE
34	021	NJ	MERCER	35	051	NM	SIERRA
34	023	NJ	MIDDLESEX	35	053	NM	SOCORRO
34	025	NJ	MONMOUTH	35	055	NM	TAOS
34	027	NJ	MORRIS	35	057	NM	TORRANCE
34	029	NJ	OCEAN	35	059	NM	UNION
34	031	NJ	PASSAIC	35	061	NM	VALENCIA
34	033	NJ	SALEM				
34	035	NJ	SOMERSET				
34	037	NJ	SUSSEX				
34	039	NJ	UNION				
34	041	NJ	WARREN				
NEW MEXICO				NEW YORK			
35	000	NM	STATE TOTAL	36	000	NY	STATE TOTAL
35	001	NM	BERNALILLO	36	001	NY	ALBANY
35	003	NM	CATRON	36	003	NY	ALLEGANY
35	005	NM	CHAVES	36	005	NY	BRONX
35	006	NM	CIBOLA	36	007	NY	BROOME
35	007	NM	COLFAX	36	009	NY	CATTARAUGUS
35	009	NM	CURRY	36	011	NY	CAYUGA
35	011	NM	DE BACA	36	013	NY	CHAUTAUQUA
35	013	NM	DONA ANA	36	015	NY	CHEMUNG
35	015	NM	EDDY	36	017	NY	CHENANGO
35	017	NM	GRANT	36	019	NY	CLINTON
35	019	NM	GUADALUPE	36	021	NY	COLUMBIA
35	021	NM	HARDING	36	023	NY	CORTLAND
35	023	NM	HIDALGO	36	025	NY	DELAWARE
35	025	NM	LEA	36	027	NY	DUTCHESS
35	027	NM	LINCOLN	36	029	NY	ERIE
35	028	NM	LOS ALAMOS	36	031	NY	ESSEX
35	029	NM	LUNA	36	033	NY	FRANKLIN
35	031	NM	MCKINLEY	36	035	NY	FULTON
35	033	NM	MORA	36	037	NY	GENESEE
35	035	NM	OTERO	36	039	NY	GREENE
35	037	NM	QUAY	36	041	NY	HAMILTON
35	039	NM	RIO ARRIBA	36	043	NY	HERKIMER
35	041	NM	ROOSEVELT	36	045	NY	JEFFERSON
35	043	NM	SANDOVAL	36	047	NY	KINGS
				36	049	NY	LEWIS
				36	051	NY	LIVINGSTON
				36	053	NY	MADISON
				36	055	NY	MONROE
				36	057	NY	MONTGOMERY

FIPS	State	County	FIPS	State	County		
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name		
36	059	NY	NASSAU	37	011	NC	AVERY
36	061	NY	NEW YORK CITY	37	013	NC	BEAUFORT
36	063	NY	NIAGARA	37	015	NC	BERTIE
36	065	NY	ONEIDA	37	017	NC	BLADEN
36	067	NY	ONONDAGA	37	019	NC	BRUNSWICK
36	069	NY	ONTARIO	37	021	NC	BUNCOMBE
36	071	NY	ORANGE	37	023	NC	BURKE
36	073	NY	ORLEANS	37	025	NC	CABARRUS
36	075	NY	OSWEGO	37	027	NC	CALDWELL
36	077	NY	OTSEGO	37	029	NC	CAMDEN
36	079	NY	PUTNAM	37	031	NC	CARTERET
36	081	NY	QUEENS	37	033	NC	CASWELL
36	083	NY	RENSSELAER	37	035	NC	CATAWBA
36	085	NY	RICHMOND	37	037	NC	CHATHAM
36	087	NY	ROCKLAND	37	039	NC	CHEROKEE
36	089	NY	ST. LAWRENCE	37	041	NC	CHOWAN
36	091	NY	SARATOGA	37	043	NC	CLAY
36	093	NY	SCHENECTADY	37	045	NC	CLEVELAND
36	095	NY	SCHOHARIE	37	047	NC	COLUMBUS
36	097	NY	SCHUYLER	37	049	NC	Craven
36	099	NY	SENECA	37	051	NC	CUMBERLAND
36	101	NY	STEUBEN	37	053	NC	CURRITUCK
36	103	NY	SUFFOLK	37	055	NC	DARE
36	105	NY	SULLIVAN	37	057	NC	DAVIDSON
36	107	NY	TIOGA	37	059	NC	DAVIE
36	109	NY	TOMPKINS	37	061	NC	DUPLIN
36	111	NY	ULSTER	37	063	NC	DURHAM
36	113	NY	WARREN	37	065	NC	EDGECOMBE
36	115	NY	WASHINGTON	37	067	NC	FORSYTH
36	117	NY	WAYNE	37	069	NC	FRANKLIN
36	119	NY	WESTCHESTER	37	071	NC	GASTON
36	121	NY	WYOMING	37	073	NC	GATES
36	123	NY	YATES	37	075	NC	GRAHAM
NORTH CAROLINA				37	077	NC	GRANVILLE
37	000	NC	STATE TOTAL	37	079	NC	GREENE
37	001	NC	ALAMANCE	37	081	NC	GUILFORD
37	003	NC	ALEXANDER	37	083	NC	HALIFAX
37	005	NC	ALLEGHANY	37	085	NC	HARNETT
37	007	NC	ANSON	37	087	NC	HAYWOOD
37	009	NC	ASHE	37	089	NC	HENDERSON
				37	091	NC	HERTFORD

FIPS		State	County	FIPS		State	County
St	Cnty	Abbrv	Name	St	Cnty	Abbrv	Name
38	051	ND	MCINTOSH	39	019	OH	CARROLL
38	053	ND	MCKENZIE	39	021	OH	CHAMPAIGN
38	055	ND	MCLEAN	39	023	OH	CLARK
38	057	ND	MERCER	39	025	OH	CLERMONT
38	059	ND	MORTON	39	027	OH	CLINTON
38	061	ND	MOUNTRAIL	39	029	OH	COLUMBIANA
38	063	ND	NELSON	39	031	OH	COSHOCTON
38	065	ND	OLIVER	39	033	OH	CRAWFORD
38	067	ND	PEMBINA	39	035	OH	CUYAHOGA
38	069	ND	PIERCE	39	037	OH	DARKE
38	071	ND	RAMSEY	39	039	OH	DEFIANCE
38	073	ND	RANSOM	39	041	OH	DELAWARE
38	075	ND	RENVILLE	39	043	OH	ERIE
38	077	ND	RICHLAND	39	045	OH	FAIRFIELD
38	079	ND	ROLETTE	39	047	OH	FAYETTE
38	081	ND	SARGENT	39	049	OH	FRANKLIN
38	083	ND	SHERIDAN	39	051	OH	FULTON
38	085	ND	SIOUX	39	053	OH	GALLIA
38	087	ND	SLOPE	39	055	OH	GEAUGA
38	089	ND	STARK	39	057	OH	GREENE
38	091	ND	STEELE	39	059	OH	GUERNSEY
38	093	ND	STUTSMAN	39	061	OH	HAMILTON
38	095	ND	TOWNER	39	063	OH	HANCOCK
38	097	ND	TRAILL	39	065	OH	HARDIN
38	099	ND	WALSH	39	067	OH	HARRISON
38	101	ND	WARD	39	069	OH	HENRY
38	103	ND	WELLS	39	071	OH	HIGHLAND
38	105	ND	WILLIAMS	39	073	OH	HOCKING
OHIO				39	075	OH	HOLMES
39	000	OH	STATE TOTAL	39	077	OH	HURON
39	001	OH	ADAMS	39	079	OH	JACKSON
39	003	OH	ALLEN	39	081	OH	JEFFERSON
39	005	OH	ASHLAND	39	083	OH	KNOX
39	007	OH	ASHTABULA	39	085	OH	LAKE
39	009	OH	ATHENS	39	087	OH	LAWRENCE
39	011	OH	AUGLAIZE	39	089	OH	LICKING
39	013	OH	BELMONT	39	091	OH	LOGAN
39	015	OH	BROWN	39	093	OH	LORAIN
39	017	OH	BUTLER	39	095	OH	LUCAS
				39	097	OH	MADISON
				39	099	OH	MAHONING

FIPS St	Cnty	State Abbrv	County Name	FIPS St	Cnty	State Abbrv	County Name
39	101	OH	MARION	40	001	OK	ADAIR
39	103	OH	MEDINA	40	003	OK	ALFALFA
39	105	OH	MEIGS	40	005	OK	ATOKA
39	107	OH	MERCER	40	007	OK	BEAVER
39	109	OH	MIAMI	40	009	OK	BECKHAM
39	111	OH	MONROE	40	011	OK	BLAINE
39	113	OH	MONTGOMERY	40	013	OK	BRYAN
39	115	OH	MORGAN	40	015	OK	CADDO
39	117	OH	MORROW	40	017	OK	CANADIAN
39	119	OH	MUSKINGUM	40	019	OK	CARTER
39	121	OH	NOBLE	40	021	OK	CHEROKEE
39	123	OH	OTTAWA	40	023	OK	CHOCTAW
39	125	OH	PAULDING	40	025	OK	CIMARRON
39	127	OH	PERRY	40	027	OK	CLEVELAND
39	129	OH	PICKAWAY	40	029	OK	COAL
39	131	OH	PIKE	40	031	OK	COMANCHE
39	133	OH	PORTAGE	40	033	OK	COTTON
39	135	OH	PREBLE	40	035	OK	CRAIG
39	137	OH	PUTNAM	40	037	OK	CREEK
39	139	OH	RICHLAND	40	039	OK	CUSTER
39	141	OH	ROSS	40	041	OK	DELAWARE
39	143	OH	SANDUSKY	40	043	OK	DEWEY
39	145	OH	SCIOTO	40	045	OK	ELLIS
39	147	OH	SENECA	40	047	OK	GARFIELD
39	149	OH	SHELBY	40	049	OK	GARVIN
39	151	OH	STARK	40	051	OK	GRADY
39	153	OH	SUMMIT	40	053	OK	GRANT
39	155	OH	TRUMBULL	40	055	OK	GREER
39	157	OH	TUSCARAWAS	40	057	OK	HARMON
39	159	OH	UNION	40	059	OK	HARPER
39	161	OH	VAN WERT	40	061	OK	HASKELL
39	163	OH	VINTON	40	063	OK	HUGHES
39	165	OH	WARREN	40	065	OK	JACKSON
39	167	OH	WASHINGTON	40	067	OK	JEFFERSON
39	169	OH	WAYNE	40	069	OK	JOHNSTON
39	171	OH	WILLIAMS	40	071	OK	KAY
39	173	OH	WOOD	40	073	OK	KINGFISHER
39	175	OH	WYANDOT	40	075	OK	KIOWA
OKLAHOMA				40	077	OK	LATIMER
40	000	OK	STATE TOTAL	40	079	OK	LE FLORE
				40	081	OK	LINCOLN

FIPS	State	County	FIPS	State	County		
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name		
40	083	OK	LOGAN	41	005	OR	CLACKAMAS
40	085	OK	LOVE	41	007	OR	CLATSOP
40	087	OK	MCCLAIN	41	009	OR	COLUMBIA
40	089	OK	MCCURTAIN	41	011	OR	COOS
40	091	OK	MCINTOSH	41	013	OR	CROOK
40	093	OK	MAJOR	41	015	OR	CURRY
40	095	OK	MARSHALL	41	017	OR	DESCHUTES
40	097	OK	MAYES	41	019	OR	DOUGLAS
40	099	OK	MURRAY	41	021	OR	GILLIAM
40	101	OK	MUSKOGEE	41	023	OR	GRANT
40	103	OK	NOBLE	41	025	OR	HARNEY
40	105	OK	NOWATA	41	027	OR	HOOD RIVER
40	107	OK	OKFUSKEE	41	029	OR	JACKSON
40	109	OK	OKLAHOMA	41	031	OR	JEFFERSON
40	111	OK	OKMULGEE	41	033	OR	JOSEPHINE
40	113	OK	OSAGE	41	035	OR	KLAMATH
40	115	OK	OTTAWA	41	037	OR	LAKE
40	117	OK	PAWNEE	41	039	OR	LANE
40	119	OK	PAYNE	41	041	OR	LINCOLN
40	121	OK	PITTSBURG	41	043	OR	LINN
40	123	OK	PONTOTOC	41	045	OR	MALHEUR
40	125	OK	POTTAWATOMIE	41	047	OR	MARION
40	127	OK	PUSHMATAHA	41	049	OR	MORROW
40	129	OK	ROGER MILLS	41	051	OR	MULTNOMAH
40	131	OK	ROGERS	41	053	OR	POLK
40	133	OK	SEMINOLE	41	055	OR	SHERMAN
40	135	OK	SEQUOYAH	41	057	OR	TILLAMOOK
40	137	OK	STEPHENS	41	059	OR	UMATILLA
40	139	OK	TEXAS	41	061	OR	UNION
40	141	OK	TILLMAN	41	063	OR	WALLOWA
40	143	OK	TULSA	41	065	OR	WASCO
40	145	OK	WAGONER	41	067	OR	WASHINGTON
40	147	OK	WASHINGTON	41	069	OR	WHEELER
40	149	OK	WASHITA	41	071	OR	YAMHILL
40	151	OK	WOODS				
40	153	OK	WOODWARD				
OREGON				PENNSYLVANIA			
41	000	OR	STATE TOTAL	42	000	PA	STATE TOTAL
41	001	OR	BAKER	42	001	PA	ADAMS
41	003	OR	BENTON	42	003	PA	ALLEGHENY
				42	005	PA	ARMSTRONG
				42	007	PA	BEAVER

FIPS St	Cnty	State Abbrv	County Name	FIPS St	Cnty	State Abbrv	County Name
42	009	PA	BEDFORD	42	091	PA	MONTGOMERY
42	011	PA	BERKS	42	093	PA	MONTOUR
42	013	PA	BLAIR	42	095	PA	NORTHAMPTON
42	015	PA	BRADFORD	42	097	PA	NORTHUMBERLAND
42	017	PA	BUCKS	42	099	PA	PERRY
42	019	PA	BUTLER	42	101	PA	PHILADELPHIA
42	021	PA	CAMBRIA	42	103	PA	PIKE
42	023	PA	CAMERON	42	105	PA	POTTER
42	025	PA	CARBON	42	107	PA	SCHUYLKILL
42	027	PA	CENTRE	42	109	PA	SNYDER
42	029	PA	CHESTER	42	111	PA	SOMERSET
42	031	PA	CLARION	42	113	PA	SULLIVAN
42	033	PA	CLEARFIELD	42	115	PA	SUSQUEHANNA
42	035	PA	CLINTON	42	117	PA	TIOGA
42	037	PA	COLUMBIA	42	119	PA	UNION
42	039	PA	CRAWFORD	42	121	PA	VENANGO
42	041	PA	CUMBERLAND	42	123	PA	WARREN
42	043	PA	DAUPHIN	42	125	PA	WASHINGTON
42	045	PA	DELAWARE	42	127	PA	WAYNE
42	047	PA	ELK	42	129	PA	WESTMORELAND
42	049	PA	ERIE	42	131	PA	WYOMING
42	051	PA	FAYETTE	42	133	PA	YORK
42	053	PA	FOREST				
42	055	PA	FRANKLIN				
42	057	PA	FULTON	44	000	RI	STATE TOTAL
42	059	PA	GREENE	44	001	RI	BRISTOL
42	061	PA	HUNTINGDON	44	003	RI	KENT
42	063	PA	INDIANA	44	005	RI	NEWPORT
42	065	PA	JEFFERSON	44	007	RI	PROVIDENCE
42	067	PA	JUNIATA	44	009	RI	WASHINGTON
42	069	PA	LACKAWANNA				
42	071	PA	LANCASTER				
42	073	PA	LAWRENCE	45	000	SC	STATE TOTAL
42	075	PA	LEBANON	45	001	SC	ABBEVILLE
42	077	PA	LEHIGH	45	003	SC	AIKEN
42	079	PA	LUZERNE	45	005	SC	ALLENDALE
42	081	PA	LYCOMING	45	007	SC	ANDERSON
42	083	PA	MCKEAN	45	009	SC	BAMBERG
42	085	PA	MERCER	45	011	SC	BARNWELL
42	087	PA	MIFFLIN	45	013	SC	BEAUFORT
42	089	PA	MONROE	45	015	SC	BERKELEY

FIPS	State	County	FIPS	State	County		
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name		
45	017	SC	CALHOUN	46	003	SD	AURORA
45	019	SC	CHARLESTON	46	005	SD	BEADLE
45	021	SC	CHEROKEE	46	007	SD	BENNETT
45	023	SC	CHESTER	46	009	SD	BON HOMME
45	025	SC	CHESTERFIELD	46	011	SD	BROOKINGS
45	027	SC	CLARENDON	46	013	SD	BROWN
45	029	SC	COLLETON	46	015	SD	BRULE
45	031	SC	DARLINGTON	46	017	SD	BUFFALO
45	033	SC	DILLON	46	019	SD	BUTTE
45	035	SC	DORCHESTER	46	021	SD	CAMPBELL
45	037	SC	EDGEFIELD	46	023	SD	CHARLES MIX
45	039	SC	FAIRFIELD	46	025	SD	CLARK
45	041	SC	FLORENCE	46	027	SD	CLAY
45	043	SC	GEORGETOWN	46	029	SD	CODINGTON
45	045	SC	GREENVILLE	46	031	SD	CORSON
45	047	SC	GREENWOOD	46	033	SD	CUSTER
45	049	SC	HAMPTON	46	035	SD	DAVISON
45	051	SC	HORRY	46	037	SD	DAY
45	053	SC	JASPER	46	039	SD	DEUEL
45	055	SC	KERSHAW	46	041	SD	DEWEY
45	057	SC	LANCASTER	46	043	SD	DOUGLAS
45	059	SC	LAURENS	46	045	SD	EDMUNDS
45	061	SC	LEE	46	047	SD	FALL RIVER
45	063	SC	LEXINGTON	46	049	SD	FAULK
45	065	SC	MCCORMICK	46	051	SD	GRANT
45	067	SC	MARION	46	053	SD	GREGORY
45	069	SC	MARLBORO	46	055	SD	HAAKON
45	071	SC	NEWBERRY	46	057	SD	HAMLIN
45	073	SC	OCONEE	46	059	SD	HAND
45	075	SC	ORANGEBURG	46	061	SD	HANSON
45	077	SC	PICKENS	46	063	SD	HARDING
45	079	SC	RICHLAND	46	065	SD	HUGHES
45	081	SC	SALUDA	46	067	SD	HUTCHINSON
45	083	SC	SPARTANBURG	46	069	SD	HYDE
45	085	SC	SUMTER	46	071	SD	JACKSON
45	087	SC	UNION	46	073	SD	JERAULD
45	089	SC	WILLIAMSBURG	46	075	SD	JONES
45	091	SC	YORK	46	077	SD	KINGSBURY
SOUTH DAKOTA				46	079	SD	LAKE
46	000	SD	STATE TOTAL	46	081	SD	LAWRENCE
				46	083	SD	LINCOLN

FIPS St	County Cnty	State Abbrv	County Name	FIPS St	County Cnty	State Abbrv	County Name
46	085	SD	LYMAN	47	027	TN	CLAY
46	087	SD	MCCOOK	47	029	TN	COCKE
46	089	SD	MCPHERSON	47	031	TN	COFFEE
46	091	SD	MARSHALL	47	033	TN	CROCKETT
46	093	SD	MEADE	47	035	TN	CUMBERLAND
46	095	SD	MELLETTE	47	037	TN	DAVIDSON
46	097	SD	MINER	47	039	TN	DECATUR
46	099	SD	MINNEHAHA	47	041	TN	DE KALB
46	101	SD	MOODY	47	043	TN	DICKSON
46	103	SD	PENNINGTON	47	045	TN	DYER
46	105	SD	PERKINS	47	047	TN	FAYETTE
46	107	SD	POTTER	47	049	TN	FENTRESS
46	109	SD	ROBERTS	47	051	TN	FRANKLIN
46	111	SD	SANBORN	47	053	TN	GIBSON
46	113	SD	SHANNON	47	055	TN	GILES
46	115	SD	SPINK	47	057	TN	GRAINGER
46	117	SD	STANLEY	47	059	TN	GREENE
46	119	SD	SULLY	47	061	TN	GRUNDY
46	121	SD	TODD	47	063	TN	HAMBLÉN
46	123	SD	TRIPP	47	065	TN	HAMILTON
46	125	SD	TURNER	47	067	TN	HANCOCK
46	127	SD	UNION	47	069	TN	HARDEMAN
46	129	SD	WALWORTH	47	071	TN	HARDIN
46	135	SD	YANKTON	47	073	TN	HAWKINS
46	137	SD	ZIEBACH	47	075	TN	HAYWOOD
TENNESSEE				47	077	TN	HENDERSON
47	000	TN	STATE TOTAL	47	079	TN	HENRY
47	001	TN	ANDERSON	47	081	TN	HICKMAN
47	003	TN	BEDFORD	47	083	TN	HOUSTON
47	005	TN	BENTON	47	085	TN	HUMPHREYS
47	007	TN	BLEDSE	47	087	TN	JACKSON
47	009	TN	BLOUNT	47	089	TN	JEFFERSON
47	011	TN	BRADLEY	47	091	TN	JOHNSON
47	013	TN	CAMPBELL	47	093	TN	KNOX
47	015	TN	CANNON	47	095	TN	LAKE
47	017	TN	CARROLL	47	097	TN	LAUDERDALE
47	019	TN	CARTER	47	099	TN	LAWRENCE
47	021	TN	CHEATHAM	47	101	TN	LEWIS
47	023	TN	CHESTER	47	103	TN	LINCOLN
47	025	TN	CLAIBORNE	47	105	TN	LOUDON
				47	107	TN	MCMINN

FIPS	State	County	FIPS	State	County
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name
47	109	TN MCNAIRY			
47	111	TN MACON			
47	113	TN MADISON			
47	115	TN MARION			
47	117	TN MARSHALL			
47	119	TN MAURY			
47	121	TN MEIGS			
47	123	TN MONROE			
47	125	TN MONTGOMERY			
47	127	TN MOORE			
47	129	TN MORGAN			
47	131	TN OBION			
47	133	TN OVERTON			
47	135	TN PERRY			
47	137	TN PICKETT			
47	139	TN POLK			
47	141	TN PUTNAM			
47	143	TN RHEA			
47	145	TN ROANE			
47	147	TN ROBERTSON			
47	149	TN RUTHERFORD			
47	151	TN SCOTT			
47	153	TN SEQUATCHIE			
47	155	TN SEVIER			
47	157	TN SHELBY			
47	159	TN SMITH			
47	161	TN STEWART			
47	163	TN SULLIVAN			
47	165	TN SUMNER			
47	167	TN TIPTON			
47	169	TN TROUSDALE			
47	171	TN UNICOI			
47	173	TN UNION			
47	175	TN VAN BUREN			
47	177	TN WARREN			
47	179	TN WASHINGTON			
47	181	TN WAYNE			
47	183	TN WEAKLEY			
47	185	TN WHITE			
47	187	TN WILLIAMSON			
47	189	TN WILSON			
			TEXAS		
			48 000	TX	STATE TOTAL
			48 001	TX	ANDERSON
			48 003	TX	ANDREWS
			48 005	TX	ANGELINA
			48 007	TX	ARANSAS
			48 009	TX	ARCHER
			48 011	TX	ARMSTRONG
			48 013	TX	ATASCOSA
			48 015	TX	AUSTIN
			48 017	TX	BAILEY
			48 019	TX	BANDERA
			48 021	TX	BASTROP
			48 023	TX	BAYLOR
			48 025	TX	BEE
			48 027	TX	BELL
			48 029	TX	BEXAR
			48 031	TX	BLANCO
			48 033	TX	BORDEN
			48 035	TX	BOSQUE
			48 037	TX	BOWIE
			48 039	TX	BRAZORIA
			48 041	TX	BRAZOS
			48 043	TX	BREWSTER
			48 045	TX	BRISCOE
			48 047	TX	BROOKS
			48 049	TX	BROWN
			48 051	TX	BURLESON
			48 053	TX	BURNET
			48 055	TX	CALDWELL
			48 057	TX	CALHOUN
			48 059	TX	CALLAHAN
			48 061	TX	CAMERON
			48 063	TX	CAMP
			48 065	TX	CARSON
			48 067	TX	CASS
			48 069	TX	CASTRO
			48 071	TX	CHAMBERS
			48 073	TX	CHEROKEE
			48 075	TX	CHILDRESS

FIPS	State	County	FIPS	State	County		
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name		
48	077	TX	CLAY	48	159	TX	FRANKLIN
48	079	TX	COCHRAN	48	161	TX	FREESTONE
48	081	TX	COKE	48	163	TX	FRIO
48	083	TX	COLEMAN	48	165	TX	GAINES
48	085	TX	COLLIN	48	167	TX	GALVESTON
48	087	TX	COLLINGSWORTH	48	169	TX	GARZA
48	089	TX	COLORADO	48	171	TX	GILLESPIE
48	091	TX	COMAL	48	173	TX	GLASSCOCK
48	093	TX	COMANCHE	48	175	TX	GOLIAD
48	095	TX	CONCHO	48	177	TX	GONZALES
48	097	TX	COOKE	48	179	TX	GRAY
48	099	TX	CORYELL	48	181	TX	GRAYSON
48	101	TX	COTTLE	48	183	TX	GREGG
48	103	TX	CRANE	48	185	TX	GRIMES
48	105	TX	CROCKETT	48	187	TX	GUADALUPE
48	107	TX	CROSBY	48	189	TX	HALE
48	109	TX	CULBERSON	48	191	TX	HALL
48	111	TX	DALLAM	48	193	TX	HAMILTON
48	113	TX	DALLAS	48	195	TX	HANSFORD
48	115	TX	DAWSON	48	197	TX	HARDEMAN
48	117	TX	DEAF SMITH	48	199	TX	HARDIN
48	119	TX	DELTA	48	201	TX	HARRIS
48	121	TX	DENTON	48	203	TX	HARRISON
48	123	TX	DE WITT	48	205	TX	HARTLEY
48	125	TX	DICKENS	48	207	TX	HASKELL
48	127	TX	DIMMIT	48	209	TX	HAYS
48	129	TX	DONLEY	48	211	TX	HEMPHILL
48	131	TX	DUVAL	48	213	TX	HENDERSON
48	133	TX	EASTLAND	48	215	TX	HIDALGO
48	135	TX	ECTOR	48	217	TX	HILL
48	137	TX	EDWARDS	48	219	TX	HOCKLEY
48	139	TX	ELLIS	48	221	TX	HOOD
48	141	TX	EL PASO	48	223	TX	HOPKINS
48	143	TX	ERATH	48	225	TX	HOUSTON
48	145	TX	FALLS	48	227	TX	HOWARD
48	147	TX	FANNIN	48	229	TX	HUDSPETH
48	149	TX	FAYETTE	48	231	TX	HUNT
48	151	TX	FISHER	48	233	TX	HUTCHINSON
48	153	TX	FLOYD	48	235	TX	IRION
48	155	TX	FOARD	48	237	TX	JACK
48	157	TX	FORT BEND	48	239	TX	JACKSON

FIPS	State	County		FIPS	State	County	
St	Cnty	Abbrv	Name	St	Cnty	Abbrv	Name
48	241	TX	JASPER	48	323	TX	MAVERICK
48	243	TX	JEFF DAVIS	48	325	TX	MEDINA
48	245	TX	JEFFERSON	48	327	TX	MENARD
48	247	TX	JIM HOGG	48	329	TX	MIDLAND
48	249	TX	JIM WELLS	48	331	TX	MILAM
48	251	TX	JOHNSON	48	333	TX	MILLS
48	253	TX	JONES	48	335	TX	MITCHELL
48	255	TX	KARNES	48	337	TX	MONTAGUE
48	257	TX	KAUFMAN	48	339	TX	MONTGOMERY
48	259	TX	KENDALL	48	341	TX	MOORE
48	261	TX	KENEDY	48	343	TX	MORRIS
48	263	TX	KENT	48	345	TX	MOTLEY
48	265	TX	KERR	48	347	TX	NACOGDOCHES
48	267	TX	KIMBLE	48	349	TX	NAVARRO
48	269	TX	KING	48	351	TX	NEWTON
48	271	TX	KINNEY	48	353	TX	NOLAN
48	273	TX	KLEBERG	48	355	TX	NUECES
48	275	TX	KNOX	48	357	TX	OCHILTREE
48	277	TX	LAMAR	48	359	TX	OLDHAM
48	279	TX	LAMB	48	361	TX	ORANGE
48	281	TX	LAMPASAS	48	363	TX	PALO PINTO
48	283	TX	LA SALLE	48	365	TX	PANOLA
48	285	TX	LAVACA	48	367	TX	PARKER
48	287	TX	LEE	48	369	TX	PARMER
48	289	TX	LEON	48	371	TX	PECOS
48	291	TX	LIBERTY	48	373	TX	POLK
48	293	TX	LIMESTONE	48	375	TX	POTTER
48	295	TX	LIPSCOMB	48	377	TX	PRESIDIO
48	297	TX	LIVE OAK	48	379	TX	RAINS
48	299	TX	LLANO	48	381	TX	RANDALL
48	301	TX	LOVING	48	383	TX	REAGAN
48	303	TX	LUBBOCK	48	385	TX	REAL
48	305	TX	LYNN	48	387	TX	RED RIVER
48	307	TX	MCCULLOCH	48	389	TX	REEVES
48	309	TX	MCLENNAN	48	391	TX	REFUGIO
48	311	TX	MCMULLEN	48	393	TX	ROBERTS
48	313	TX	MADISON	48	395	TX	ROBERTSON
48	315	TX	MARION	48	397	TX	ROCKWALL
48	317	TX	MARTIN	48	399	TX	RUNNELS
48	319	TX	MASON	48	401	TX	RUSK
48	321	TX	MATAGORDA	48	403	TX	SABINE

FIPS	State	County	FIPS	State	County		
St	Cnty	Abbrv Name	St	Cnty	Abbrv Name		
49	053	UT	WASHINGTON	51	036	VA	CHARLES CITY
49	055	UT	WAYNE	51	037	VA	CHARLOTTE
49	057	UT	WEBER	51	041	VA	CHESTERFIELD
VERMONT			51	043	VA	CLARKE	
50	000	VT	STATE TOTAL	51	045	VA	CRAIG
50	001	VT	ADDISON	51	047	VA	CULPEPER
50	003	VT	BENNINGTON	51	049	VA	CUMBERLAND
50	005	VT	CALEDONIA	51	051	VA	DICKENSON
50	007	VT	CHITTENDEN	51	053	VA	DINWIDDIE
50	009	VT	ESSEX	51	057	VA	ESSEX
50	011	VT	FRANKLIN	51	059	VA	FAIRFAX
50	013	VT	GRAND ISLE	51	061	VA	FAUQUIER
50	015	VT	LAMOILLE	51	063	VA	FLOYD
50	017	VT	ORANGE	51	065	VA	FLUVANNA
50	019	VT	ORLEANS	51	067	VA	FRANKLIN
50	021	VT	RUTLAND	51	069	VA	FREDERICK
50	023	VT	WASHINGTON	51	071	VA	GILES
50	025	VT	WINDHAM	51	073	VA	GLOUCESTER
50	027	VT	WINDSOR	51	075	VA	GOOCHLAND
VIRGINIA			51	077	VA	GRAYSON	
51	000	VA	STATE TOTAL	51	079	VA	GREENE
51	001	VA	ACCOMACK	51	081	VA	GREENSVILLE
51	003	VA	ALBEMARLE	51	083	VA	HALIFAX
51	005	VA	ALLEGHANY	51	085	VA	HANOVER
51	007	VA	AMELIA	51	087	VA	HENRICO
51	009	VA	AMHERST	51	089	VA	HENRY
51	011	VA	APPOMATTOX	51	091	VA	HIGHLAND
51	013	VA	ARLINGTON	51	093	VA	ISLE OF WIGHT
51	015	VA	AUGUSTA	51	095	VA	JAMES CITY
51	017	VA	BATH	51	097	VA	KING AND QUEEN
51	019	VA	BEDFORD	51	099	VA	KING GEORGE
51	021	VA	BLAND	51	101	VA	KING WILLIAM
51	023	VA	BOTETOURT	51	103	VA	LANCASTER
51	025	VA	BRUNSWICK	51	105	VA	LEE
51	027	VA	BUCHANAN	51	107	VA	LOUDOUN
51	029	VA	BUCKINGHAM	51	109	VA	LOUISA
51	031	VA	CAMPBELL	51	111	VA	LUNENBURG
51	033	VA	CAROLINE	51	113	VA	MADISON
51	035	VA	CARROLL	51	115	VA	MATHEWS
				51	117	VA	MECKLENBURG
				51	119	VA	MIDDLESEX

FIPS				FIPS			
St	Cnty	State Abbrv	County Name	St	Cnty	State Abbrv	County Name
53	007	WA	CHELAN	54	005	WV	BOONE
53	009	WA	CLALLAM	54	007	WV	BRAXTON
53	011	WA	CLARK	54	009	WV	BROOKE
53	013	WA	COLUMBIA	54	011	WV	CABELL
53	015	WA	COWLITZ	54	013	WV	CALHOUN
53	017	WA	DOUGLAS	54	015	WV	CLAY
53	019	WA	FERRY	54	017	WV	DODDRIDGE
53	021	WA	FRANKLIN	54	019	WV	FAYETTE
53	023	WA	GARFIELD	54	021	WV	GILMER
53	025	WA	GRANT	54	023	WV	GRANT
53	027	WA	GRAYS HARBOR	54	025	WV	GREENBRIER
53	029	WA	ISLAND	54	027	WV	HAMPSHIRE
53	031	WA	JEFFERSON	54	029	WV	HANCOCK
53	033	WA	KING	54	031	WV	HARDY
53	035	WA	KITSAP	54	033	WV	HARRISON
53	037	WA	KITTITAS	54	035	WV	JACKSON
53	039	WA	KLICKITAT	54	037	WV	JEFFERSON
53	041	WA	LEWIS	54	039	WV	KANAWHA
53	043	WA	LINCOLN	54	041	WV	LEWIS
53	045	WA	MASON	54	043	WV	LINCOLN
53	047	WA	OKANOGAN	54	045	WV	LOGAN
53	049	WA	PACIFIC	54	047	WV	MCDOWELL
53	051	WA	PEND OREILLE	54	049	WV	MARION
53	053	WA	PIERCE	54	051	WV	MARSHALL
53	055	WA	SAN JUAN	54	053	WV	MASON
53	057	WA	SKAGIT	54	055	WV	MERCER
53	059	WA	SKAMANIA	54	057	WV	MINERAL
53	061	WA	SNOHOMISH	54	059	WV	MINGO
53	063	WA	SPOKANE	54	061	WV	MONONGALIA
53	065	WA	STEVENS	54	063	WV	MONROE
53	067	WA	THURSTON	54	065	WV	MORGAN
53	069	WA	WAHKIAKUM	54	067	WV	NICHOLAS
53	071	WA	WALLA WALLA	54	069	WV	OHIO
53	073	WA	WHATCOM	54	071	WV	PENDLETON
53	075	WA	WHITMAN	54	073	WV	PLEASANTS
53	077	WA	YAKIMA	54	075	WV	POCAHONTAS
WEST VIRGINIA				54	077	WV	PRESTON
54	000	WV	STATE TOTAL	54	079	WV	PUTNAM
54	001	WV	BARBOUR	54	081	WV	RALEIGH
54	003	WV	BERKELEY	54	083	WV	RANDOLPH
				54	085	WV	RITCHIE

FIPS		State	County	FIPS		State	County
St	Cnty	Abbrv	Name	St	Cnty	Abbrv	Name
54	087	WV	ROANE	55	053	WI	JACKSON
54	089	WV	SUMMERS	55	055	WI	JEFFERSON
54	091	WV	TAYLOR	55	057	WI	JUNEAU
54	093	WV	TUCKER	55	059	WI	KENOSHA
54	095	WV	TYLER	55	061	WI	KEWAUNEE
54	097	WV	UPSHUR	55	063	WI	LA CROSSE
54	099	WV	WAYNE	55	065	WI	LAFAYETTE
54	101	WV	WEBSTER	55	067	WI	LANGLADE
54	103	WV	WETZEL	55	069	WI	LINCOLN
54	105	WV	WIRT	55	071	WI	MANITOWOC
54	107	WV	WOOD	55	073	WI	MARATHON
54	109	WV	WYOMING	55	075	WI	MARINETTE
WISCONSIN				55	077	WI	MARQUETTE
55	000	WI	STATE TOTAL	55	078	WI	MENOMINEE
55	001	WI	ADAMS	55	079	WI	MILWAUKEE
55	003	WI	ASHLAND	55	081	WI	MONROE
55	005	WI	BARRON	55	083	WI	OCONTO
55	007	WI	BAYFIELD	55	085	WI	ONEIDA
55	009	WI	BROWN	55	087	WI	OUTAGAMIE
55	011	WI	BUFFALO	55	089	WI	OZAUKEE
55	013	WI	BURNETT	55	091	WI	PEPIN
55	015	WI	CALUMET	55	093	WI	PIERCE
55	017	WI	CHIPPEWA	55	095	WI	POLK
55	019	WI	CLARK	55	097	WI	PORTAGE
55	021	WI	COLUMBIA	55	099	WI	PRICE
55	023	WI	CRAWFORD	55	101	WI	RACINE
55	025	WI	DANE	55	103	WI	RICHLAND
55	027	WI	DODGE	55	105	WI	ROCK
55	029	WI	DOOR	55	107	WI	RUSK
55	031	WI	DOUGLAS	55	109	WI	ST. CROIX
55	033	WI	DUNN	55	111	WI	SAUK
55	035	WI	EAU CLAIRE	55	113	WI	SAWYER
55	037	WI	FLORENCE	55	115	WI	SHAWANO
55	039	WI	FOND DU LAC	55	117	WI	SHEBOYGAN
55	041	WI	FOREST	55	119	WI	TAYLOR
55	043	WI	GRANT	55	121	WI	TREMPEALEAU
55	045	WI	GREEN	55	123	WI	VERNON
55	047	WI	GREEN LAKE	55	125	WI	VILAS
55	049	WI	IOWA	55	127	WI	WALWORTH
55	051	WI	IRON	55	129	WI	WASHBURN
				55	131	WI	WASHINGTON

FIPS		State	County	FIPS		State	County
St	Cnty	Abbrv	Name	St	Cnty	Abbrv	Name
55	133	WI	WAUKESHA	56	017	WY	HOT SPRINGS
55	135	WI	WAUPACA	56	019	WY	JOHNSON
55	137	WI	WAUSHARA	56	021	WY	LARAMIE
55	139	WI	WINNEBAGO	56	023	WY	LINCOLN
55	141	WI	WOOD	56	025	WY	NATRONA
WYOMING				56	027	WY	NIOBRARA
56	000	WY	STATE TOTAL	56	029	WY	PARK
56	001	WY	ALBANY	56	031	WY	PLATTE
56	003	WY	BIG HORN	56	033	WY	SHERIDAN
56	005	WY	CAMPBELL	56	035	WY	SUBLETTE
56	007	WY	CARBON	56	037	WY	SWEETWATER
56	009	WY	CONVERSE	56	039	WY	TETON
56	011	WY	CROOK	56	041	WY	UINTA
56	013	WY	FREMONT	56	043	WY	WASHAKIE
56	015	WY	GOSHEN	56	045	WY	WESTON

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