Compressed Mortality File 1999-2009

CD-ROM Series 20
No. 2O
ASCII Version

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Department of Health and Human Services
Centers for Disease Control and Prevention
National Center for Health Statistics

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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 1968-2009 and is divided into four parts: 1968-78, 1979-88, 1989-98, and 1999-2009. 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 1999-2009 Series 20 No. 2O). 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 (for 1968-98: white, black, and other races; for 1999-2009: white, black, American Indian or Alaska Native, and Asian or Pacific Islander), 4) sex, 5) Hispanic origin (for 1999-2009 only), 6) age group at death, 7) underlying cause-of-death (4-digit ICD code), and 8) cause-of-death recode. The population file has national, state, and county population estimates from the Census Bureau. The age, race, sex, and Hispanic origin detail of the population file matches that of the mortality file.

Confidentiality restrictions apply to the mortality and live birth data on the CMF 1989-98 and CMF 1999-2009. Details of these restrictions are given in Section II. All users of these files must sign an NCHS Data Use and Reporting Agreement and abide by its terms.

II. Data Use and Reporting Agreement

Vital statistics data are provided to NCHS by vital statistics jurisdictions with the understanding that the data are protected under the provisions of the Public Health Services Act (42 U.S.C. 242m(d), and that any file released under a data use agreement requires both NAPHSIS and NCHS review and approval of proposed use.

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 data subjects cannot be disclosed; all direct identifiers, as well as characteristics that might lead to identification, are omitted from the data file. Nevertheless it may be possible in rare instances, through complex analysis and with outside information to ascertain from the data file the identity of particular persons or establishments. Considerable harm could ensue if this were done.

Therefore, the undersigned gives the following assurances with respect to the Compressed Mortality File:

- I will not use nor permit others to use the data in the Compressed Mortality File in any way except for statistical reporting and analysis and for the purposes described in the data request.
- I will 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(d) of the Public Health Service Act, the only persons to be allowed access to these data files 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 and signed this DUA in the space provided below and have forwarded it to NCHS.
- I will 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 file.
- I will not attempt to use the data files nor permit others to use them 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 immediately advise the Director of the Division of Vital Statistics 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.
- All persons having access to the Compressed Mortality File will follow the file security measures approved by NCHS.

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

- Tabulations for sub-national geographic areas should not include any figures, including totals, that are less than 10 or any figures, such as death rates, that are based on fewer than 10 events. Further, no such figures should be derivable through subtraction or other calculation from the combination of cells in a table or from the combination of tables in a given publication.
- 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.

I will secure identical written assurances from every individual within this organization who will have access to these data files.

My signature below 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 USC 1001 and is punishable by a fine of up to $10,000 or up to 5 years in prison.

Further conditions for data use:

NAPHSIS and NCHS have reviewed and approved the use of the data provided under this agreement for purposes described in the requestor's application for one year from the date of receipt of the data. The data files listed under "Requested Data Files" above are the property of the National Center for Health Statistics (NCHS), Office of Analysis and Epidemiology (OAE). Permission is granted to use these data files for one year from the date of receipt. At the expiration of the one year period, the Compressed Mortality File CD-ROMs must be returned to OAE and any copies of the data files must be destroyed. Users must notify OAE in writing that the file(s) have been destroyed. This policy will be strictly enforced; however, extension of this usage period will be given consideration under appropriate circumstances, when requested in writing.

Citation of NCHS:

Users of these data are asked to acknowledge NCHS and the vital statistics jurisdictions as the data source in published reports and studies for which the files were used. NCHS and the vital statistics jurisdictions should also be cited in reports, articles, and news releases in electronic and print media describing the studies or results of the studies. The recommended citation is provided in "Section III. Guidelines for Citation of Data".

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 1999-2009)

When cited in a bibliography, the citation should read:

> National Center for Health Statistics. Compressed Mortality File, 1999-2009 (machine readable data file and documentation, CD-ROM Series 20, No. 2O) as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Hyattsville, Maryland. 2012.

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 1999-2009

The following changes have been implemented for the 1999-2009 Compressed Mortality File (CMF 1999-2009, CD-ROM Series 20, No. 2O):

1. Mortality and population data for 2009 have been added to the file.

2. For the CMF 1999-2009, the national population estimates for 2009 and the state and county population estimates for 2001-2009 are from the Vintage 2009 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 1999-2008, 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 **(1-10)**. 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* **(1-11)**. Control totals are provided in Tables 1 and 2.

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 (white, black, American Indian or Alaska Native, Asian or Pacific Islander), 4) sex, 5) Hispanic origin (not Hispanic or Latino, Hispanic or Latino, unknown), 6) age group at death, 7) underlying cause-of-death (4-digit ICD-10 code), and 8) 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. 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" **(12)**. 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 1999-2008, 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) **(12)**. Additional information is available from: **http://www.cdc.gov/nchs/icd.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 **(13)**. 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) **(14, 15)**. The American Indian or Alaska Native race category includes: North, Central, and South American Indians, Eskimos, and Aleuts. The Asian or Pacific Islander race category includes Chinese, Filipino, Hawaiian, Japanese, and Other Asian or Pacific Islanders.

4. **Missing Hispanic origin data.** Hispanic origin was not reported on the death certificate for some deaths. On the mortality file, missing Hispanic origin information is coded as "not stated". There is no corresponding population figure for this group. Therefore, it is recommended that these records be excluded when death rates are calculated by Hispanic origin.

5. **Race data and the transition from 1989 to 2003 revised Certificate of Death.** Beginning with the 2003 data year, states began transitioning from the 1989 revision of the U.S. Standard Certificate of Death to the 2003 revised standard certificate. The 1989 standard certificate collected race data in accordance with the 1977 OMB standards. Specifically, only one race could be reported and the following four single-race groups were used: white, black, AIAN, and Asian or other Pacific Islander (API) (**14, 16)**. The 2003 standard certificate collects race data in accordance with the Office of Management and Budget's (OMB) 1997 standards for the collection of race data. Specifically, more than one race can be reported (multiple races) with one or more of and the following five races (rather than the former four races) being reported: white, black or African American, American Indian or Alaska Native (AIAN), Asian, and Native Hawaiian or Other Pacific Islander (NHOPI) **(15, 17).**

Beginning with the 2003 data year, some states began using the 2003 revised death certificate **(5)**. Each year since then, additional states have implemented the 2003 revised certificate (**6-11)**. Thus, beginning with the 2003 data year, states which have adopted the 2003 certificate report multiple races for decedents while those that continue to use the 1989 certificate report only a single race. Note that beginning with the 2003 data year, multiple races were reported on the unrevised death 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 former four single-race categories. The bridging procedure is similar to the procedure used to bridge multiple-race population estimates **(18)**. 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_documentation_5-10-04.pdf**.

The transition from the 1989 Standard Certificate of Death to the 2003 Standard Certificate of Death has proceeded as follows:

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 **(1-46)**.

In 2003, four states (California, Idaho, Montana, and New York) implemented the revised certificate and reported multiple races. Three states reported multiple races on the unrevised certificate (Hawaii, Maine, and Wisconsin). Thus, a total of 7 states reported multiple races in 2003 **(5)**. The remaining 43 states and the District of Columbia reported the minimum set of single races on the unrevised certificate of death.

For 2004 mortality data, seven additional states used the revised death certificate (Michigan, New Hampshire, New Jersey, Oklahoma, South Dakota, Washington, and Wyoming) **(6)**. Ten states reported multiple races on the revised certificate for the entire year and one reported them for a partial year. New Hampshire fully began reporting multiple race data using the revised certificate of death in mid-April 2004. Earlier in 2004, only a portion of the records submitted by this state contained multiple race data. Four states (Hawaii, Maine, Minnesota, and Wisconsin) reported multiple races on the unrevised certificate. The remaining 35 states plus the District of Columbia reported the minimum set of four single-races.

For 2005 mortality data, seven additional areas used the revised death certificate (Connecticut, the District of Columbia, Florida, Kansas, Nebraska, South Carolina, and Utah) **(7)**. In 2005, 17 states reported multiple-race on the revised certificate for the entire year; the District of Columbia reported them for a partial year. The District of Columbia began reporting multiple races in March 2005 when they started implementing the revised certificate. Four states continued to report multiple races on the unrevised certificate. Twenty-nine states reported single race on the unrevised death certificate.

For 2006 mortality data, four additional states used the revised death certificate (New Mexico, Oregon, Rhode Island, and Texas) **(8)**. The number of states reporting multiple races on the revised death certificate for the entire 2006 data year was 22 (including the District of Columbia). Four states continued to report multiple races on the unrevised certificate. Twenty-five states reported single race on the unrevised death certificate.

For 2007 mortality data, two additional states used the revised death certificate (Delaware and Ohio) **(9)**. The number of states reporting multiple races on the revised death certificate in 2007 was 24 (including the District of Columbia). Four states continued to report multiple races on the unrevised certificate. Twenty-three states reported single race on the unrevised death certificate.

For 2008 mortality data, seven additional states used the revised death certificate (Arkansas, Georgia, Illinois, Indiana, Nevada, North Dakota, and Vermont) **(10)**. Because Vermont implemented the 2003 certificate revision in July 2008, a portion of the state's data for that year is based on the 1989 revision of the certificate. In 2008, the number of states reporting multiple races on the revised death certificate was 31 (including the District of Columbia). Four states continued to report multiple races on the unrevised certificate. Sixteen states reported single race on the unrevised certificate.

For 2009 mortality data, no changes occurred in the number of states reporting multiple races on either the revised or unrevised death certificate.

6. Death rates by race and Hispanic origin are based on information from death certificates (numerators of the rates) and on population estimates from the Census Bureau (denominators). Information included on the death certificate about the race and Hispanic ethnicity of the decedent is reported by the funeral director as provided by an informant, often the surviving next of kin, or, in the absence of an informant, on the basis of observation. Race and ethnicity information from the census is by self-report. To the extent that race and Hispanic origin are inconsistent between these two data sources, death rates will be biased. Studies have shown that persons self-reported as American Indian, Asian, or Hispanic on census and survey records may sometimes be reported as white or non-Hispanic on the death certificate, resulting in an underestimation of deaths and death rates for the American Indian, Asian, and Hispanic groups. Bias also results from undercounts of some population groups in the census, particularly young black males, young white males, and elderly persons, resulting in an overestimation of death rates **(19, 20).** Rosenberg estimated that the misclassification and undercoverage result in overstated death rates for the white and black populations (1% and 5%, respectively) and understated death rates for other population groups (American Indians, 21%; Asian or Pacific Islanders, 11%; and Hispanics, 2% **(17)**.

7. **Recently added and deleted ICD-10 codes.** Occasionally, ICD codes are added to or deleted from the list of valid codes.

2001. Beginning with data year 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/icd/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)**.

2006. Effective with data year 2006, 18 new ICD-10 codes were added as valid underlying cause-of-death codes (B33.4, G90.4, I15.0, I15.9, K22.7, K85.0, K85.1, K85.2, K85.3, K85.8, K85.9, M31.7, M79.7, P91.6, R29.6, R50.2, R50.8, and W46) (8). At the same time, 4 ICD-10 codes were deleted from the list of valid underlying cause-of-death codes (I25.2, K85, R50.0, and R50.1) **(8)**.

Effective with data year 2006, "Essential (primary) hypertension and hypertensive renal disease" was changed to "Essential hypertension and hypertensive renal disease" in the 113 cause-of-death list to reflect the addition of the new code, Secondary hypertension (ICD-10 code I15) **(6)**.

2007. Effective with data year 2007, NCHS added four new ICD-10 codes as valid underlying cause-of-death codes and deleted two ICD codes. The four new codes were: J09, U04.9, X59.0, and X59.9 (no deaths were assigned to J09 or U04.9). The two codes deleted were: X59 (deleted because it represents the sum of the two new codes X59.0 and X59.9) and F10.0 **(9)**. The 113 causes-of-death list was modified to

reflect the added and deleted codes. See **Appendix A** for details.

2009. Beginning with data for 2009, NCHS added five new ICD–10 codes as valid underlying cause-of-death codes: A09.0, Other and unspecified gastroenteritis and colitis of infectious origin; A09.9, Gastroenteritis and colitis of unspecified origin; K52.3, Indeterminate colitis; R26.3, Immobility; and R63.6, Insufficient intake of food and water due to self-neglect. Deaths classified to codes A09.0 and A09.9 are included in the category, Certain other intestinal infections, in the list of 113 selected causes of death. Deaths classified to the code K52.3 are included in the Residual category of the list of 113 selected causes-of-death. Deaths classified to codes R26.3 and R63.6 are included in the category Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified in the 113-cause lists.

8. **Changes in county codes.** County codes on the 1999-2002 micro-data mortality files are based on 1990 census geography. Beginning with the 2003 data year, the revised geographic coding manual was implemented resulting in the addition of codes for Denali, Alaska and Broomfield, Colorado. Changes in county geography that occurred after 2003 have not been implemented in the vital records. See **Appendix E** for full details about county codes on the mortality and population files.

9. For 2006 and 2007, deaths for Allen Parish, Louisiana (FIPS = 02003) are underreported due to problems with registering the deaths with the Louisiana Vital Statistics Office (approximately 150 in 2006 and 200 in 2007) **(9)**.

10. 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 name	Years	Number of records	Record Length	Format
MORT9909.txt	1999-2009	12,450,469	24	ASCII

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

Location	Field Size	Item and Code Outline	Format
		FIPS Codes (See Appendices **E** and **F)**	
1-2	2	FIPS state code	Numeric
3-5	3	FIPS county code	Numeric
6-9	4	Year of death (1999-2009)	Numeric
10	1	Race-sex 1 White male 2 White female 3 Black male 4 Black female 5 American Indian or Alaska Native male 6 American Indian or Alaska Native female 7 Asian or Pacific Islander male 8 Asian or Pacific Islander female	Numeric
11	1	Hispanic origin 1 not Hispanic or Latino 2 Hispanic or Latino 9 not stated	Numeric
12-13	2	Age at death 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

Location	Field Size	Item and Code Outline	Format
14-17	4	ICD-10 code for underlying cause-of-death	Character
18-20	3	113 Cause-of-Death Recode (See **Appendix A**)	Numeric
21-24	4	Number of deaths	Numeric

Table 1. Number of deaths, by race and sex: United States, 1999-2009

Race and sex	1999	2000	2001	2002	2003	2004	2005	2006
All races								
Both sexes	2,391,399	2,403,351	2,416,425	2,443,387	2,448,288	2,397,615	2,448,017	2,426,264
Male	1,175,460	1,177,578	1,183,421	1,199,264	1,201,964	1,181,668	1,207,675	1,201,942
Female	1,215,939	1,225,773	1,233,004	1,244,123	1,246,324	1,215,947	1,240,342	1,224,322
White								
Both sexes	2,061,348	2,071,287	2,079,691	2,102,589	2,103,714	2,056,643	2,098,097	2,077,549
Male	1,005,335	1,007,191	1,011,218	1,025,196	1,025,650	1,007,266	1,028,152	1,022,328
Female	1,056,013	1,064,096	1,068,473	1,077,393	1,078,064	1,049,377	1,069,945	1,055,221
Black								
Both sexes	285,064	285,826	287,709	290,051	291,300	287,315	292,808	289,971
Male	145,703	145,184	145,908	146,835	148,022	145,970	149,108	148,602
Female	139,361	140,642	141,801	143,216	143,278	141,345	143,700	141,369
American Indian or Alaska Native								
Both sexes	11,312	11,363	11,977	12,415	13,147	13,124	13,918	14,037
Male	6,092	6,185	6,466	6,750	7,106	7,134	7,607	7,630
Female	5,220	5,178	5,511	5,665	6,041	5,990	6,311	6,407
Asian or Pacific Islander								
Both sexes	33,675	34,875	37,048	38,332	40,127	40,533	43,194	44,707
Male	18,330	19,018	19,829	20,483	21,186	21,298	22,808	23,382
Female	15,345	15,857	17,219	17,849	18,941	19,235	20,386	21,325

Table 1. Number of deaths, by race and sex: United States, 1999-2009 (contd.)

Race and sex	2007	2008	2009
All races			
Both sexes	2,423,712	2,471,984	2,437,163
Male	1,203,968	1,226,197	1,217,379
Female	1,219,744	1,245,787	1,219,784
White			
Both sexes	2,074,151	2,120,233	2,086,355
Male	1,023,951	1,046,183	1,037,475
Female	1,050,200	1,074,050	1,048,880
Black			
Both sexes	289,585	289,072	286,623
Male	148,309	147,143	146,239
Female	141,276	141,929	140,384
Both sexes	14,367	14,776	14,960
Male	7,885	8,163	8,105
Female	6,482	6,613	6,855
Both sexes	45,609	47,903	49,225
Male	23,823	24,708	25,560
Female	21,786	23,195	23,665

Table 2. Number of deaths, by Hispanic origin and sex: United States, 1999-2009

Hispanic origin and sex	1999	2000	2001	2002	2003	2004	2005	2006
All origins								
Both sexes	2,391,399	2,403,351	2,416,425	2,443,387	2,448,288	2,397,615	2,448,017	2,426,264
Male	1,175,460	1,177,578	1,183,421	1,199,264	1,201,964	1,181,668	1,207,675	1,201,942
Female	1,215,939	1,225,773	1,233,004	1,244,123	1,246,324	1,215,947	1,240,342	1,224,322
Not Hispanic or Latino								
Both sexes	2,279,325	2,287,846	2,295,244	2,318,269	2,319,476	2,269,583	2,312,028	2,288,424
Male	1,112,718	1,112,704	1,115,683	1,129,090	1,129,927	1,109,848	1,131,013	1,124,813
Female	1,166,607	1,175,142	1,179,561	1,189,179	1,189,549	1,159,735	1,181,015	1,163,611
Hispanic or Latino								
Both sexes	103,740	107,254	113,413	117,135	122,026	122,416	131,161	133,004
Male	57,991	60,172	63,317	65,703	68,119	68,544	73,788	74,250
Female	45,749	47,082	50,096	51,432	53,907	53,872	57,373	58,754
Origin not stated								
Both sexes	8,334	8,251	7,768	7,983	6,786	5,616	4,828	4,836
Male	4,751	4,702	4,421	4,471	3,918	3,276	2,874	2,879
Female	3,583	3,549	3,347	3,512	2,868	2,340	1,954	1,957

Table 2. Number of deaths, by Hispanic origin and sex: United States, 1999-20109 (contd.)

Hispanic origin and sex	2007	2008	2009
All origins			
Both sexes	2,423,712	2,471,984	2,437,163
Male	1,203,968	1,226,197	1,217,379
Female	1,219,744	1,245,787	1,219,784
Both sexes	2,284,446	2,327,636	2,289,999
Male	1,125,974	1,146,394	1,135,852
Female	1,158,472	1,181,242	1,154,147
Both sexes	135,519	139,241	141,576
Male	75,708	76,861	78,157
Female	59,811	62,380	63,419
Both sexes	3,747	5,107	5,588
Male	2,286	2,942	3,370
Female	1,461	2,165	2,218

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 **(21-31)**. 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 2001-2009 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 3 shows the sources of the population estimates. **Table 4** shows number of live births by year, race, Hispanic origin, and sex. **Tables 5 and 6** show estimated U.S. resident population totals by year, race, Hispanic origin, sex, and type of estimate (national, state, or county). **Table 7** shows estimated States populations (for estimate type=state) by year.

Specific details

1. **Bridged-race population estimates**. All of the population estimates on the CMF 1999-2009 are derived from bridged-race population estimate files. Bridged-race population estimates were produced by the U.S. Census Bureau in collaboration with NCHS.

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 some 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" **(18, 32, 33)**.

2. **Methodology changes for Vintages 2007, 2008, and 2009.** Extensive methodology changes were implemented for Vintages 2007, 2008, and 2009 postcensal population estimates **(34-37)**. For Vintage 2007, the methodology changes primarily involved estimation of international migration. For Vintage 2008, the main methodology changes involved: 1) the estimation of net international migration, 2) the incorporation of accepted challenges and special censuses into the national population estimates, and 3) the imputation of race and Hispanic origin for births. For Vintage 2009, the main methodology changes involved: 1) further changes in the estimation of net international migration, 2) changes in the estimation of the distribution of deaths to people aged 70 and older, 3) changes in the estimation of domestic migration of the population age 65

years and older, and 4) changes in the estimation of the age distribution of migration to and from counties. The net impact of the various methodology changes implemented for the three vintages was a downward shift of the Vintage 2007 estimates when compared to those from the Vintage 2006 series a further downward shift of the Vintage 2008 estimates when compared to the Vintage 2007 estimates, and an upward shift of the Vintage 2009 estimates when compared to the Vintage 2008 estimates.

3. **Hurricanes Katrina and Rita Impact on Vintage 2008 estimates**. For Vintage 2009, the Census Bureau adjusted the population estimates for Alabama, Louisiana, Mississippi and Texas (for years 2006 and later) to accommodate geographic shifts in the populations that resulted from Hurricanes Katrina and Rita in 2005 **(38, 41)**.

4. **Missing Hispanic origin**. Because there are records on the mortality file with Hispanic origin unknown, there are corresponding records on the population file. All of the population estimates on these records are zero, but the live birth counts may be nonzero.

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. Hispanic origin was not reported on the birth certificate for some infants. On the natality file, missing Hispanic origin information is coded as “not stated”.

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. **National, state, and county population estimates**.

a. There are national, state, and county population estimates on the population file. They can be distinguished by using the FIPS code in location 1-5 or the record type variable in location 149.

- 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 and a record type code of “3".

b. See **Appendix F** for a complete listing of state and county FIPS codes.

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

d. 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 revised annually when the file is updated to add another year of data; they are from the most recent postcensal series of population estimates. Users, who wish to replicate death rates published by NCHS should use the national population estimates when calculating rates.

For some years, the national, state, and county population estimates are derived from the same series of estimates and for some years they are not (**Table 3**). For all years, 1999-2009, the state estimates were derived by summing the county estimates, so the state and county population estimates are consistent with each other (**Tables 4-6)**. For 1999, 2000, and 2009, the national population estimates are derived by summing the county-level estimates; as a result, they are consistent with both the state and county estimates. For 2001-2008, the national population estimates are not derived from the same postcensal series as the state or county estimates and thus, are not consistent with them (**Tables 3-6)**.

7. **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.

8. **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 **(42)**.

9. **Source of population estimates.**

Table 3. Sources of population data for 1999-2009, by year and type of estimate[1]

Date of estimate	Geographic type		
	National	State	County
July 1, 1999	Intercensal series	Intercensal series	Intercensal series
April 1, 2000	Modified –race census counts	Modified–race census counts	Modified-race census counts
July 1, 2001	Vintage 2001 postcensal series	Vintage 2009 postcensal series	Vintage 2009 postcensal series
July 1, 2002	Vintage 2002 postcensal series	Vintage 2009 postcensal series	Vintage 2009 postcensal series
July 1, 2003	Vintage 2003 postcensal series	Vintage 2009 postcensal series	Vintage 2009 postcensal series
July 1, 2004	Vintage 2004 postcensal series	Vintage 2009 postcensal series	Vintage 2009 postcensal series
July 1, 2005	Vintage 2005 postcensal series	Vintage 2009 postcensal series	Vintage 2009 postcensal series
July 1, 2006	Vintage 2006 postcensal series	Vintage 2009 postcensal series	Vintage 2009 postcensal series
July 1, 2007	Vintage 2007 postcensal series	Vintage 2009 postcensal series	Vintage 2009 postcensal series
July 1, 2008	Vintage 2008 postcensal series	Vintage 2009 postcensal series	Vintage 2009 postcensal series
July 1, 2008	Vintage 2009 postcensal series	Vintage 2009 postcensal series	Vintage 2009 postcensal series

[1]All source files, except the Vintage 2001 file, are county-level files with bridged-race categories. The Vintage 2001 file has bridged-race national estimates only. All files were derived by the Census Bureau in collaboration with NCHS.

Specifics:

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 or African American, white) and Hispanic origin (not Hispanic or Latino, Hispanic or Latino) **(21)**. The estimates were produced by the U.S. Census Bureau in collaboration with NCHS and with support from the National Cancer Institute **(18)**. The national and state population estimates were obtained by summing the county estimates.

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 (0,

1, 2, ..., 85 years and over), sex, bridged-race (American Indian or Alaska Native, Asian or Pacific Islander, black or African American, white), Hispanic origin (not Hispanic or Latino, Hispanic or Latino) **(22)**. 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, 43)**. The national and state bridged-race 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 **(23)**. The state and county population estimates are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2009 postcensal series **(31)**. Both the Vintage 2001 and the Vintage 2009 postcensal series have estimates by single year of age (0, 1, 2, ..., 85 years and over), sex, bridged-race (American Indian or Alaska Native, Asian or Pacific Islander, black or African American, white), and Hispanic origin (not Hispanic or Latino, Hispanic or Latino). The estimates were produced by the U.S. Census Bureau in collaboration with NCHS by bridging the 31-race postcensal series **(18)**. The state estimates were obtained by summing the county estimates. The national estimates are not consistent with the state and county estimates because they are from an earlier postcensal series.

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 **(24)**. The state and county population estimates are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2009 postcensal series **(31)**. Both the Vintage 2002 and the Vintage 2009 postcensal series have county-level estimates by single year of age (0, 1, 2, ..., 85 years and over), sex, bridged-race (American Indian or Alaska Native, Asian or Pacific Islander, black or African American, white), and Hispanic origin (not Hispanic or Latino, Hispanic or Latino). The estimates were produced by the U.S. Census Bureau in collaboration with NCHS by bridging the 31-race postcensal series **(18)**. The state estimates were obtained by summing the county estimates. The national estimates are not consistent with the State and county estimates because they are from an earlier postcensal series.

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 **(25)**. The state and county population estimates are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2009 postcensal series **(31)**. Both the Vintage 2003 and the Vintage 2009 postcensal series have county-level estimates by single year of age (0, 1, 2, ..., 85 years and over), sex, bridged-race (American Indian or Alaska Native, Asian or Pacific Islander, black or African American, white), and Hispanic origin (not Hispanic or Latino, Hispanic or Latino). The estimates were produced

by the U.S. Census Bureau in collaboration with NCHS by bridging the 31-race postcensal series **(18)**. The state estimates were obtained by summing the county estimates. The national estimates are not consistent with the state and county estimates because they are from an earlier postcensal series.

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 **(26)**. The state and county population estimates are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2009 postcensal series **(31)**. Both the Vintage 2004 and the Vintage 2009 postcensal series have county-level estimates by single year of age (0, 1, 2, ..., 85 years and over), sex, bridged-race (American Indian or Alaska Native, Asian or Pacific Islander, black or African American, white), and Hispanic origin (not Hispanic or Latino, Hispanic or Latino). The estimates were produced by the U.S. Census Bureau in collaboration with NCHS by bridging the 31-race postcensal series **(18)**. The state estimates were obtained by summing the county estimates. The national estimates are not consistent with the state and county estimates because they are from an earlier postcensal series.

2005 population estimates. The national population estimates for 2005 are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2005 postcensal series **(27)**. The state and county population estimates are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2009 postcensal series **(31)**. Both the Vintage 2005 and the Vintage 2009 postcensal series have county-level estimates by single year of age (0, 1, 2, ..., 85 years and over), sex, bridged-race (American Indian or Alaska Native, Asian or Pacific Islander, black or African American, white), and Hispanic origin (not Hispanic or Latino, Hispanic or Latino). The estimates were produced by the U.S. Census Bureau in collaboration with NCHS by bridging the 31-race postcensal series **(18)**. The state estimates were obtained by summing the county estimates. The national estimates are not consistent with the state and county estimates because they are from an earlier postcensal series.

2006 population estimates. The national population estimates for 2006 are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2006 postcensal series **(28)**. The state and county population estimates are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2009 postcensal series **(31)**. Both the Vintage 2006 and the Vintage 2009 postcensal series have county-level estimates by single year of age (0, 1, 2, ..., 85 years and over), sex, bridged-race (American Indian or Alaska Native, Asian or Pacific Islander, black or African American, white), and Hispanic origin (not Hispanic or Latino, Hispanic or Latino). The estimates were produced by the U.S. Census Bureau in collaboration with NCHS by bridging the 31-race postcensal series **(18)**. The state estimates were obtained by summing the county estimates. The national estimates are not consistent with the state and county estimates because they are from an earlier postcensal series.

2007 population estimates. The national population estimates for 2007 are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2007 postcensal series **(29)**. The state and county population estimates are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2009 postcensal series **(31)**. Both the Vintage 2007 and the Vintage 2009 postcensal series have county-level estimates by single year of age (0, 1, 2, ..., 85 years and over), sex, bridged-race (American Indian or Alaska Native, Asian or Pacific Islander, black or African American, white), and Hispanic origin (not Hispanic or Latino, Hispanic or Latino). The estimates were produced by the U.S. Census Bureau in collaboration with NCHS by bridging the 31-race postcensal series **(18)**. The state estimates were obtained by summing the county estimates. The national estimates are not consistent with the state and county estimates because they are from an earlier postcensal series.

2008 population estimates. The national population estimates for 2008 are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2008 postcensal series **(30)**. The state and county population estimates are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2009 postcensal series **(31)**. Both the Vintage 2008 and the Vintage 2009 postcensal series have county-level estimates by single year of age (0, 1, 2, ..., 85 years and over), sex, bridged-race (American Indian or Alaska Native, Asian or Pacific Islander, black or African American, white), and Hispanic origin (not Hispanic or Latino, Hispanic or Latino). The estimates were produced by the U.S. Census Bureau in collaboration with NCHS by bridging the 31-race postcensal series **(18)**. The state estimates were obtained by summing the county estimates. The national estimates are not consistent with the state and county estimates because they are from an earlier postcensal series.

2009 population estimates. The national, state, and county population estimates for 2009 are bridged-race estimates of the July 1 resident population derived from the bridged-race Vintage 2009 postcensal series which has county-level estimates by single year of age (0, 1, 2, ..., 85 years and over), sex, bridged-race (American Indian or Alaska Native, Asian or Pacific Islander, black or African American, white), and Hispanic origin (not Hispanic or Latino, Hispanic or Latino) **(31)**. The estimates were produced by the U.S. Census Bureau in collaboration with NCHS by bridging the 31-race postcensal series **(18)**. The national and state estimates were obtained by summing the county estimates.

File Specifications for the Population File

File name	Years	Number of records	Record length	Format
POP9909	1999-2009	842,808	149	ASCII

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

Location	Field Size	Item and Code Outline	Format
		FIPS codes (See Appendices **E** and **F**)	
1-2	2	FIPS state code	Numeric
3-5	3	FIPS county code	Numeric
6-9	4	Year (1999-2009)	Numeric
10	1	Race-sex 1 White male 2 White female 3 Black male 4 Black female 5 American Indian or Alaska Native male 6 American Indian or Alaska Native female 7 Asian or Pacific Islander male 8 Asian or Pacific Islander female	Numeric
11	1	Hispanic origin 1 Not Hispanic or Latino 2 Hispanic or Latino 9 Not stated	Numeric
12-19	8	Number of live births	Numeric
20-27	8	Population in age group: <1 year	Numeric
28-35	8	Population in age group: 1-4 years	Numeric
36-43	8	Population in age group: 5-9 years	Numeric
44-51	8	Population in age group: 10-14 years	Numeric
52-59	8	Population in age group: 15-19 years	Numeric
60-67	8	Population in age group: 20-24 years	Numeric
68-75	8	Population in age group: 25-34 years	Numeric
76-83	8	Population in age group: 35-44 years	Numeric
84-91	8	Population in age group: 45-54 years	Numeric
92-99	8	Population in age group: 55-64 years	Numeric

Location	Field Size	Item and Code Outline	Format
100-107	8	Population in age group: 65-74 years	Numeric
108-115	8	Population in age group: 75-84 years	Numeric
116-123	8	Population in age group: 85+ years	Numeric
124-148	25	County name (See **Appendix F**)	Character
149	1	Record type 1 National population record 2 State population record 3 County population record	Numeric

Table 4. Number of live births, according to race, Hispanic origin, sex, and year: United States, 1999-2009

	1999	2000	2001	2002	2003	2004
All races						
Both sexes	3,959,417	4,058,814	4,025,933	4,021,726	4,089,950	4,112,052
Male	2,026,854	2,076,969	2,057,922	2,057,979	2,093,535	2,104,661
Female	1,932,563	1,981,845	1,968,011	1,963,747	1,996,415	2,007,391
White						
Both sexes	3,132,501	3,194,005	3,177,626	3,174,760	3,225,848	3,222,928
Male	1,605,603	1,636,081	1,625,511	1,626,303	1,652,146	1,650,697
Female	1,526,898	1,557,924	1,552,115	1,548,457	1,573,702	1,572,231
Black						
Both sexes	605,970	622,598	606,156	593,691	599,847	616,074
Male	307,670	316,115	307,834	301,498	305,207	313,896
Female	298,300	306,483	298,322	292,193	294,640	302,178
American Indian or Alaska Native						
Both sexes	40,170	41,668	41,872	42,368	43,052	43,927
Male	20,370	21,193	21,183	21,423	22,018	22,293
Female	19,800	20,475	20,689	20,945	21,034	21,634
Asian or Pacific Islander						
Both sexes	180,776	200,543	200,279	210,907	221,203	229,123
Male	93,211	103,580	103,394	108,755	114,164	117,775
Female	87,565	96,963	96,885	102,152	107,039	111,348
All origins						
Both sexes	3,959,417	4,058,814	4,025,933	4,021,726	4,089,950	4,112,052
Male	2,026,854	2,076,969	2,057,922	2,057,979	2,093,535	2,104,661
Female	1,932,563	1,981,845	1,968,011	1,963,747	1,996,415	2,007,391
Not Hispanic or Latino						
Both sexes	3,147,580	3,199,994	3,149,572	3,119,944	3,149,034	3,133,125
Male	1,612,665	1,638,499	1,611,593	1,598,082	1,613,707	1,605,127
Female	1,534,915	1,561,495	1,537,979	1,521,862	1,535,327	1,527,998
Hispanic or Latino						
Both sexes	764,339	815,868	851,851	876,642	912,329	946,349
Male	389,881	416,523	433,866	447,031	465,230	482,923
Female	374,458	399,345	417,985	429,611	447,099	463,426
Origin not stated						
Both sexes	47,498	42,952	24,510	25,140	28,587	32,578
Male	24,308	21,947	12,463	12,866	14,598	16,611
Female	23,190	21,005	12,047	12,274	13,989	15,967

Table 4 (contd.) Number of live births according to race, sex, Hispanic origin, sex, and year: United States, 1999-2009

	2005	2006	2007	2008	2009
All races					
Both sexes	4,138,349	4,265,555	4,316,233	4,247,694	4,130,665
Male	2,118,982	2,184,237	2,208,071	2,173,389	2,113,856
Female	2,019,367	2,081,318	2,108,162	2,074,305	2,016,809
White					
Both sexes	3,229,294	3,310,308	3,336,626	3,274,163	3,173,293
Male	1,655,812	1,695,870	1,708,315	1,676,718	1,625,436
Female	1,573,482	1,614,438	1,628,311	1,597,445	1,547,857
Black					
Both sexes	633,134	666,481	675,676	670,809	657,618
Male	321,259	339,838	343,279	340,885	334,142
Female	311,875	326,643	332,397	329,924	323,476
American Indian or Alaska Native					
Both sexes	44,813	47,721	49,443	49,537	48,665
Male	22,673	24,309	25,177	25,196	24,752
Female	22,140	23,412	24,266	24,341	23,913
Asian or Pacific Islander					
Both sexes	231,108	241,045	254,488	253,185	251,089
Male	119,238	124,220	131,300	130,590	129,526
Female	111,870	116,825	123,188	122,595	121,563
All origins					
Both sexes	4,138,349	4,265,555	4,316,233	4,247,694	4,130,665
Male	2,118,982	2,184,237	2,208,071	2,173,389	2,113,856
Female	2,019,367	2,081,318	2,108,162	2,074,305	2,016,809
Not Hispanic or Latino					
Both sexes	3,123,005	3,196,082	3,222,460	3,173,629	3,101,330
Male	1,600,186	1,637,876	1,650,061	1,624,619	1,588,162
Female	1,522,819	1,558,206	1,572,399	1,549,010	1,513,168
Hispanic or Latino					
Both sexes	985,505	1,039,077	1,062,779	1,041,239	999,548
Male	503,483	530,874	542,174	531,999	510,477
Female	482,022	508,203	520,605	509,240	489,071
Origin not stated					
Both sexes	29,839	30,396	30,994	32,826	29,787
Male	15,313	15,487	15,836	16,771	15,217
Female	14,526	14,909	15,158	16,055	14,570

Table 5. Estimated resident population according to race, sex, year, and type of estimate: United States, 1999-2009

	July 1, 1999	April 1, 2000	July 1, 2001		July 1, 2002		July 1, 2003	
	Type of Estimate							
Race-sex	National, state and county[1]	National, state and county[2]	National[3]	State and county[4]	National[5]	State and county[4]	National[6]	State and county[4]
All races								
Both sexes	279,040,168	281,421,906	284,796,887	285,081,556	288,368,706	287,803,914	290,810,789	290,326,418
Male	136,802,873	138,053,563	139,813,108	139,998,551	141,660,980	141,413,818	143,037,290	142,676,927
Female	142,237,295	143,368,343	144,983,779	145,083,005	146,707,726	146,390,096	147,773,499	147,649,491
White								
Both sexes	228,687,790	230,085,762	232,351,696	232,549,653	234,746,440	234,356,090	236,349,420	236,028,839
Male	112,695,874	113,445,038	114,659,071	114,795,622	115,966,453	115,764,482	116,875,095	116,623,703
Female	115,991,916	116,640,724	117,692,625	117,754,031	118,779,987	118,591,608	119,474,325	119,405,136
Black								
Both sexes	36,173,121	36,594,309	37,196,779	37,192,187	37,747,692	37,632,397	38,148,112	38,029,430
Male	17,195,091	17,407,029	17,710,410	17,709,060	17,978,612	17,925,957	18,190,193	18,112,964
Female	18,978,030	19,187,280	19,486,369	19,483,127	19,769,080	19,706,440	19,957,919	19,916,466
American Indian or Alaska Native								
Both sexes	2,832,761	2,984,150	3,054,311	3,028,100	3,076,095	3,081,530	3,111,067	3,134,124
Male	1,410,781	1,488,106	1,524,362	1,511,112	1,535,463	1,537,945	1,552,954	1,563,852
Female	1,421,980	1,496,044	1,529,949	1,516,988	1,540,632	1,543,585	1,558,113	1,570,272
Asian or Pacific Islander								
Both sexes	11,346,496	11,757,685	12,194,101	12,311,616	12,798,479	12,733,897	13,202,190	13,134,025
Male	5,501,127	5,713,390	5,919,265	5,982,757	6,180,452	6,185,434	6,419,048	6,376,408
Female	5,845,369	6,044,295	6,274,836	6,328,859	6,618,027	6,548,463	6,783,142	6,757,617

[1] The 1999 national, state, and county population estimates are derived from the bridged-race 1990-based intercensal estimates and are consistent with each other **(21)**.

[2] The 2000 national, state, and county population estimates are derived from the bridged-race April 1, 2000 census counts and are consistent with each other **(22)**.

[3] The 2001 national population estimates are derived from the bridged-race Vintage 2001 postcensal series **(23)**.

[4] The 2001-2009 state and county population estimates are derived from the bridged-race Vintage 2009 postcensal series (and are consistent with each other **(31).**

[5] The 2002 national population estimates are derived from the bridged-race Vintage 2002 postcensal series **(24)**.[6] The 2003 national population estimates are derived from the bridged-race Vintage 2003 postcensal series **(25)**.

Table 5 (contd.). Estimated resident population according to race, sex, year, and type of estimate: United States, 1999-2009

Race and sex	July 1, 2004		July 1, 2005		July 1, 2006	
	Type of estimate					
	National[7]	State and county[4]	National[8]	State and county[4]	National[9]	State and county[4]
All races						
Both sexes	293,655,404	293,045,739	296,410,404	295,753,151	299,398,484	298,593,212
Male	144,537,402	144,137,674	145,999,746	145,560,767	147,512,152	147,060,702
Female	149,118,002	148,908,065	150,410,658	150,192,384	151,886,332	151,532,510
White						
Both sexes	238,268,102	237,840,061	240,135,528	239,615,694	242,097,490	241,489,377
Male	117,915,508	117,629,123	118,932,055	118,593,130	119,950,187	119,612,517
Female	120,352,594	120,210,938	121,203,473	121,022,564	122,147,303	121,876,860
Black						
Both sexes	38,600,765	38,490,396	39,073,991	38,956,529	39,558,375	39,455,084
Male	18,416,886	18,350,109	18,657,991	18,584,240	18,889,595	18,838,048
Female	20,183,879	20,140,287	20,416,000	20,372,289	20,668,780	20,617,036
American Indian or Alaska Native						
Both sexes	3,148,484	3,189,633	3,161,185	3,247,825	3,201,342	3,308,485
Male	1,572,049	1,592,527	1,578,703	1,622,125	1,599,082	1,653,136
Female	1,576,435	1,597,106	1,582,482	1,625,700	1,602,260	1,655,349
Asian or Pacific Islander						
Both sexes	13,638,053	13,525,649	14,039,700	13,933,103	14,541,277	14,340,266
Male	6,632,959	6,565,915	6,830,997	6,761,272	7,073,288	6,957,001
Female	7,005,094	6,959,734	7,208,703	7,171,831	7,467,989	7,383,265

[7] The 2004 national population estimates are derived from the bridged-race Vintage 2004 postcensal series **(26)**.
[8] The 2005 national population estimates are derived from the bridged-race Vintage 2005 postcensal series **(27)**.
[9] The 2006 national population estimates are derived from the bridged-race Vintage 2006 postcensal series **(28)**.

Table 5 (contd.). Estimated resident population according to race, sex, year, and type of estimate: United States, 1999-2009

Race and sex	July 1, 2007		July 1, 2008		July 1, 2009
	Type of estimate				
	National[10]	State and county[4]	National[11]	State and county[4]	National, state, and county
All races					
Both sexes	301,621,157	301,579,895	304,059,724	304,374,846	307,006,550
Male	148,658,898	148,612,102	149,924,604	150,074,226	151,449,490
Female	152,962,259	152,967,793	154,135,120	154,300,620	155,557,060
White					
Both sexes	243,582,944	243,470,781	245,240,252	245,287,692	246,978,488
Male	120,734,413	120,667,477	121,605,170	121,644,483	122,553,497
Female	122,848,531	122,803,304	123,635,082	123,643,209	124,424,991
Black					
Both sexes	40,028,958	39,990,478	40,366,208	40,508,357	40,999,984
Male	19,121,492	19,106,361	19,292,523	19,367,658	19,616,210
Female	20,907,466	20,884,117	21,073,685	21,140,699	21,383,774
American Indian or Alaska Native					
Both sexes	3,235,707	3,374,002	3,421,898	3,437,919	3,500,501
Male	1,615,238	1,686,949	1,709,310	1,719,192	1,751,119
Female	1,620,469	1,687,053	1,712,588	1,718,727	1,749,382
Asian or Pacific Islander					
Both sexes	14,773,548	14,744,634	15,031,366	15,140,878	15,527,577
Male	7,187,755	7,151,315	7,317,601	7,342,893	7,528,664
Female	7,585,793	7,593,319	7,713,765	7,797,985	7,998,913

[10] The 2007 national population estimates are derived from the bridged-race Vintage 2007 postcensal series **(29)**.
[11] The 2008 national population estimates are derived from the bridged-race Vintage 2008 postcensal series **(30)**.
12 The 2009 national population estimates are derived from the bridged-race Vintage 2009 postcensal series **(30)**
Note: The national population estimates in this table for 2001-2008 differ from those in Table 7 because they are from the Vintage 2001-Vintage 2008 postcensal series whereas those in Table 7 are all from the Vintage 2009 postcensal series.

Table 6. Estimated resident population according to Hispanic origin, sex, year, and type of estimate: United States, 1999-2009

Origin and sex	July 1, 1999	July 1, 2000	July 1, 2001		July 1, 2002		July 1, 2003	
	Type of estimate							
	National, state, and county [1]	National, state, and county[2]	National [3]	State and county[4]	National[5]	State and county[4]	National[6]	State and county[4]
All origins								
Both sexes	279,040,168	281,421,906	284,796,887	285,081,556	288,368,706	287,803,914	290,810,789	290,326,418
Male	136,802,873	138,053,563	139,813,108	139,998,551	141,660,980	141,413,818	143,037,290	142,676,927
Female	142,237,295	143,368,343	144,983,779	145,083,005	146,707,726	146,390,096	147,773,499	147,649,491
Not Hispanic or Latino								
Both sexes	245,102,373	246,116,088	247,824,668	248,028,944	249,607,402	249,358,913	250,911,726	250,540,432
Male	119,366,509	119,891,768	120,795,519	120,910,157	121,669,754	121,591,567	122,438,175	122,155,966
Female	125,735,864	126,224,320	127,029,149	127,118,787	127,937,648	127,767,346	128,473,551	128,384,466
Hispanic or Latino								
Both sexes	33,937,795	35,305,818	36,972,219	37,052,612	38,761,304	38,445,001	39,899,063	39,785,986
Male	17,436,364	18,161,795	19,017,589	19,088,394	19,991,226	19,822,251	20,599,115	20,520,961
Female	16,501,431	17,144,023	17,954,630	17,964,218	18,770,078	18,622,750	19,299,948	19,265,025

[1] The 1999 national, state, and county population estimates are derived from the bridged-race 1990-based intercensal estimates and are consistent with each other **(21)**.
[2] The 2000 national, state, and county population estimates are derived from the bridged-race April 1, 2000 census and are consistent with each other **(22)**.
[3] The 2001 national population estimates are derived from the bridged-race Vintage 2001 postcensal series **(23)**.
[4] The 2001-2009 state and county population estimates are derived from the bridged-race Vintage 2009 postcensal series (and are consistent with each other **(31)**.
[5] The 2002 national population estimates are derived from the bridged-race Vintage 2002 postcensal series **(24)**.
[6] The 2003 national population estimates are derived from the bridged-race Vintage 2003 postcensal series **(25)**.

Table 6 (contd.). Estimated resident population according to Hispanic origin, sex, year, and type of estimate: United States, 1999-2009

Origin and sex	July 1, 2004		July 1, 2005		July 1, 2006	
	Type of estimate					
	National[7]	State and county[4]	National[8]	State and county[4]	National[9]	State and county[4]
All origins						
Both sexes	293,655,404	293,045,739	296,410,404	295,753,151	299,398,484	298,593,212
Male	144,537,402	144,137,674	145,999,746	145,560,767	147,512,152	147,060,702
Female	149,118,002	148,908,065	150,410,658	150,192,384	151,886,332	151,532,510
Not Hispanic or Latino						
Both sexes	252,333,331	251,906,647	253,723,180	253,200,859	255,077,446	254,575,782
Male	123,190,335	122,902,601	123,934,295	123,579,333	124,587,102	124,308,807
Female	129,142,996	129,004,046	129,788,885	129,621,526	130,490,344	130,266,975
Hispanic						
Both sexes	41,322,073	41,139,092	42,687,224	42,552,292	44,321,038	44,017,430
Male	21,347,067	21,235,073	22,065,451	21,981,434	22,925,050	22,751,895
Female	19,975,006	19,904,019	20,621,773	20,570,858	21,395,988	21,265,535

[7]The 2004 national population estimates are derived from the bridged-race Vintage 2004 postcensal series **(26)**.
[8] The 2005 national population estimates are derived from the bridged-race Vintage 2005 postcensal series **(27)**.
[9] The 2006 national population estimates are derived from the bridged-race Vintage 2006 postcensal series **(28)**.

Table 6 (contd.). Estimated resident population according to Hispanic origin, sex, year, and type of estimate: United States, 1999-2009

Origin and sex	July 1, 2007		July 1, 2008		July 1, 2009
	Type of estimate				
	National[10]	State and county[4]	National[11]	State and county[4]	National, state, and county[12]
All origins					
Both sexes	301,621,157	301,579,895	304,059,724	304,374,846	307,006,550
Male	148,658,898	148,612,102	149,924,604	150,074,226	151,449,490
Female	152,962,259	152,967,793	154,135,120	154,300,620	155,557,060
Not Hispanic or Latino					
Both sexes	256,116,846	256,071,403	257,116,111	257,396,278	258,587,226
Male	125,135,318	125,080,207	125,670,207	125,772,520	126,392,571
Female	130,981,528	130,991,196	131,445,904	131,623,758	132,194,655
Hispanic					
Both sexes	45,504,311	45,508,492	46,943,613	46,978,568	48,419,324
Male	23,523,580	23,531,895	24,254,397	24,301,706	25,056,919
Female	21,980,731	21,976,597	22,689,216	22,676,862	23,362,405

[10] The 2007 national population estimates are derived from the bridged-race Vintage 2007 postcensal series **(29)**.
[11] The 2008 national population estimates are derived from the bridged-race Vintage 2008 postcensal series **(30)**.
[12] The 2009 national, state, and county population estimates are derived from the bridged-race Vintage 2009 postcensal series **(31)**.
Note: The national population estimates in this table for 2001-2008 differ from those in Table 7 because they are from the Vintage 2001-Vintage 2008 postcensal series whereas those in Table 7 are all from the Vintage 2009 postcensal series.

Table 7. Estimated resident population of the 50 states and the District of Columbia by year: United States, 1999-2009

State	July 1, 1999[1]	April 1, 2000[2]	July 1, 2001[3]	July 1, 2002[3]	July 1, 2003[3]	July 1, 2004[3]
Alabama	4,430,141	4,447,100	4,464,034	4,472,420	4,490,591	4,512,190
Alaska	624,779	626,932	633,316	642,691	650,884	661,569
Arizona	5,023,823	5,130,632	5,304,417	5,452,108	5,591,206	5,759,425
Arkansas	2,651,860	2,673,400	2,691,068	2,704,732	2,722,291	2,746,161
California	33,499,204	33,871,648	34,485,623	34,876,194	35,251,107	35,558,419
Colorado	4,226,018	4,301,261	4,433,068	4,504,265	4,548,775	4,599,681
Connecticut	3,386,401	3,405,565	3,428,433	3,448,382	3,467,673	3,474,610
Delaware	774,990	783,600	794,620	804,131	814,905	826,639
District of Columbia	570,213	572,059	578,042	579,585	577,777	579,796
Florida	15,759,421	15,982,378	16,353,869	16,680,309	16,981,183	17,375,259
Georgia	8,045,965	8,186,453	8,419,594	8,585,535	8,735,259	8,913,676
Hawaii	1,210,300	1,211,537	1,218,305	1,228,069	1,239,298	1,252,782
Idaho	1,275,674	1,293,953	1,321,170	1,342,149	1,364,109	1,391,718
Illinois	12,359,020	12,419,293	12,507,833	12,558,229	12,597,981	12,645,295
Indiana	6,044,969	6,080,485	6,124,967	6,149,007	6,181,789	6,214,454
Iowa	2,917,634	2,926,324	2,929,424	2,929,264	2,932,799	2,941,358
Kansas	2,678,338	2,688,418	2,701,456	2,712,598	2,721,955	2,730,765
Kentucky	4,018,053	4,041,769	4,069,191	4,091,330	4,118,627	4,147,970
Louisiana	4,460,811	4,468,976	4,460,816	4,466,068	4,474,726	4,489,327
Maine	1,266,808	1,274,923	1,284,791	1,293,938	1,303,102	1,308,253
Maryland	5,254,509	5,296,486	5,375,033	5,439,913	5,496,708	5,542,659
Massachusetts	6,317,345	6,349,097	6,411,730	6,440,978	6,451,637	6,451,279
Michigan	9,897,116	9,938,444	10,006,093	10,038,767	10,066,351	10,089,305
Minnesota	4,873,481	4,919,479	4,982,813	5,017,458	5,047,862	5,079,344
Mississippi	2,828,408	2,844,658	2,853,313	2,858,643	2,867,678	2,886,006
Missouri	5,561,948	5,595,211	5,643,986	5,680,852	5,714,847	5,758,444
Montana	897,507	902,195	905,873	909,868	916,750	925,887
Nebraska	1,704,764	1,711,263	1,717,948	1,725,083	1,733,680	1,742,184
Nevada	1,934,718	1,998,257	2,094,509	2,166,214	2,236,949	2,328,703
New Hampshire	1,222,014	1,235,786	1,256,879	1,271,163	1,281,871	1,292,766
New Jersey	8,359,592	8,414,350	8,489,469	8,544,115	8,583,481	8,611,530
New Mexico	1,808,082	1,819,046	1,828,809	1,850,035	1,869,683	1,891,829
New York	18,882,725	18,976,457	19,088,978	19,161,873	19,231,101	19,297,933
North Carolina	7,949,361	8,049,313	8,203,451	8,316,617	8,416,451	8,531,283
North Dakota	644,259	642,200	636,267	633,617	632,809	636,303
Ohio	11,335,454	11,353,140	11,396,874	11,420,981	11,445,180	11,464,593
Oklahoma	3,437,147	3,450,654	3,464,729	3,484,754	3,498,687	3,514,449
Oregon	3,393,941	3,421,399	3,470,382	3,517,111	3,550,180	3,573,505
Pennsylvania	12,263,805	12,281,054	12,299,533	12,326,302	12,357,524	12,388,368
Rhode Island	1,040,402	1,048,319	1,058,051	1,066,034	1,071,504	1,071,414
South Carolina	3,974,682	4,012,012	4,062,701	4,103,934	4,146,474	4,201,306
South Dakota	750,412	754,844	758,983	762,107	766,975	774,283
Tennessee	5,638,706	5,689,283	5,755,443	5,803,306	5,856,522	5,916,762
Texas	20,558,220	20,851,820	21,332,847	21,710,788	22,057,801	22,418,319
Utah	2,203,482	2,233,169	2,291,250	2,334,473	2,379,938	2,438,915
Vermont	604,683	608,827	612,153	614,950	616,559	618,145

State	July 1, 1999[1]	April 1, 2000[2]	July 1, 2001[3]	July 1, 2002[3]	July 1, 2003[3]	July 1, 2004[3]
Virginia	7,000,174	7,078,515	7,191,304	7,283,541	7,373,694	7,468,914
Washington	5,842,564	5,894,121	5,987,785	6,056,187	6,113,262	6,184,289
West Virginia	1,811,799	1,808,344	1,798,582	1,799,411	1,802,238	1,803,302
Wisconsin	5,332,666	5,363,675	5,408,769	5,446,766	5,476,796	5,511,385
Wyoming	491,780	493,782	492,982	497,069	499,189	502,988

[1] These population estimates are derived from the bridged-race 1990-based intercensal estimates **(21)**.
[2] These population estimates are derived from the bridged-race April 1, 2000 census estimates **(22)**,
[3] These population estimates are derived from the bridged-race Vintage 2009 postcensal series **(31)**.
Note: The national population totals for 2001-2008 in this table were obtained from the Vintage 2009 postcensal series. They differ from the national population estimates for 2001-2008 in Tables 5 and 6 because those estimates are from the Vintage 2001-Vintage 2008 postcensal series.

Table 7. Estimated resident population of the 50 states and the District of Columbia by year: United States, 1999-2009

State	July 1, 2005[3]	July 1, 2006[3]	July 1, 2007[3]	July 1, 2008[3]	July 1, 2009
Alabama	4,545,049	4,597,688	4,637,904	4,677,464	4,708,708
Alaska	669,488	677,325	682,297	688,125	698,473
Arizona	5,974,834	6,192,100	6,362,241	6,499,377	6,595,778
Arkansas	2,776,221	2,815,097	2,842,194	2,867,764	2,889,450
California	35,795,255	35,979,208	36,226,122	36,580,371	36,961,664
Colorado	4,660,780	4,753,044	4,842,259	4,935,213	5,024,748
Connecticut	3,477,416	3,485,162	3,488,633	3,502,932	3,518,288
Delaware	839,906	853,022	864,896	876,211	885,122
District of Columbia	582,049	583,978	586,409	590,074	599,657
Florida	17,783,868	18,088,505	18,277,888	18,423,878	18,537,969
Georgia	9,097,428	9,330,086	9,533,761	9,697,838	9,829,211
Hawaii	1,266,117	1,275,599	1,276,832	1,287,481	1,295,178
Idaho	1,425,862	1,464,413	1,499,245	1,527,506	1,545,801
Illinois	12,674,452	12,718,011	12,779,417	12,842,954	12,910,409
Indiana	6,253,120	6,301,700	6,346,113	6,388,309	6,423,113
Iowa	2,949,450	2,964,391	2,978,719	2,993,987	3,007,856
Kansas	2,741,771	2,755,700	2,775,586	2,797,375	2,818,747
Kentucky	4,182,293	4,219,374	4,256,278	4,287,931	4,314,113
Louisiana	4,497,691	4,240,327	4,376,122	4,451,513	4,492,076
Maine	1,311,631	1,314,963	1,317,308	1,319,691	1,318,301
Maryland	5,582,520	5,612,196	5,634,242	5,658,655	5,699,478
Massachusetts	6,453,031	6,466,399	6,499,275	6,543,595	6,593,587
Michigan	10,090,554	10,082,438	10,050,847	10,002,486	9,969,727
Minnesota	5,106,560	5,148,346	5,191,206	5,230,567	5,266,214
Mississippi	2,900,116	2,897,150	2,921,723	2,940,212	2,951,996
Missouri	5,806,639	5,861,572	5,909,824	5,956,335	5,987,580
Montana	934,801	946,230	957,225	968,035	974,989
Nebraska	1,751,721	1,760,435	1,769,912	1,781,949	1,796,619
Nevada	2,408,804	2,493,405	2,567,752	2,615,772	2,643,085
New Hampshire	1,301,415	1,311,894	1,317,343	1,321,872	1,324,575
New Jersey	8,621,837	8,623,721	8,636,043	8,663,398	8,707,739
New Mexico	1,916,538	1,942,608	1,968,731	1,986,763	2,009,671
New York	19,330,891	19,356,564	19,422,777	19,467,789	19,541,453
North Carolina	8,669,452	8,866,977	9,064,074	9,247,134	9,380,884
North Dakota	635,365	636,771	638,202	641,421	646,844
Ohio	11,475,262	11,492,495	11,520,815	11,528,072	11,542,645
Oklahoma	3,532,769	3,574,334	3,612,186	3,644,025	3,687,050
Oregon	3,617,869	3,677,545	3,732,957	3,782,991	3,825,657
Pennsylvania	12,418,161	12,471,142	12,522,531	12,566,368	12,604,767
Rhode Island	1,064,989	1,060,196	1,055,009	1,053,502	1,053,209
South Carolina	4,256,199	4,339,399	4,424,232	4,503,280	4,561,242
South Dakota	780,084	788,519	797,035	804,532	812,383
Tennessee	5,995,748	6,089,453	6,172,862	6,240,456	6,296,254
Texas	22,801,920	23,369,024	23,837,701	24,304,290	24,782,302
Utah	2,499,637	2,583,724	2,663,796	2,727,343	2,784,572
Vermont	618,814	619,985	620,460	621,049	621,760

Virginia	7,563,887	7,646,996	7,719,749	7,795,424	7,882,590
Washington	6,261,282	6,372,243	6,464,979	6,566,073	6,664,195
West Virginia	1,803,920	1,807,237	1,811,198	1,814,873	1,819,777
Wisconsin	5,541,443	5,571,680	5,601,571	5,627,610	5,654,774
Wyoming	506,242	512,841	523,414	532,981	544,270

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 8). 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 **(44).**

Several changes have been made to the 113 list in recent years:

- Beginning in 2006:
  - **T**he ICD-10 underlying cause-of-death code 125.2 was deleted from the 113-cause category 063.
  - The new ICD-10 underlying cause-of-death codes, I15.0 and I15.9, were added to the 113-cause category 069 and the category title was changed from **"**Essential (primary) hypertension and hypertensive renal disease" to "Essential hypertension and hypertensive renal disease".
  - The new code B33.4 was added to the 113-cause category 018.
  - The new codes G90.4, K22.7, K85.0, K85.1, K85.2, K85.3, K85.8, K85.9, M31.7, and M79.7 were added to the 113-cause category 111. K85 was deleted from this category.
  - The new code P91.6 was added to the 113-cause category 108.
  - The new codes R29.6, R50.2, and R50.8 were added to the 113-cause category 110. Two codes, R50.0 and R50.1 were deleted from category 110.
  - The new code W46 was added to 113-cause category 123.

- Beginning in 2007:
  - The new ICD-10 code J09 was added to the 113-cause category 077.
  - The new ICD-10 code U04.9 was added to the 113-cause category 081. The title was changed to "Other and unspecified acute lower respiratory infections".
  - The three-digit code, X59 has been replaced by X59.0 and X59.9. These two new codes were added to the 113-cause category 123.

- Beginning in 2009:.
  - The new code K52.3 was added to the 113-cause category 111.
  - The new codes R26.3 and R63.6 were added to the 113-cause category 110.

Table 8. Tenth Revision 113 selected causes-of-death list, adapted by NCHS

113 Recode	Code limited[1] Sex	Age	ICD-10 cause-of-death title and codes
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 sequelae (A00,A05,A20-A36,A42-A44,A48-A49,A54-A79,A81-A82, A85.0-A85.1,A85.8,A86-B04,B06-B09,B25-B49,B55-B99)
019*			**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)

Table 8 (contd.). Tenth Revision 113 selected causes-of-death list, adapted by NCHS

Recode	Code limited	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 (100-178)**
054*				**Diseases of heart (100-109,111,113,120-151)**
055				Acute rheumatic fever and chronic rheumatic heart diseases (100-109)
056				Hypertensive heart disease (111)
057				Hypertensive heart and renal disease (113)
058*				**Ischemic heart diseases (120-125)**
059				Acute myocardial infarction (121-122)
060				Other acute ischemic heart diseases (124)
061*				**Other forms of chronic ischemic heart disease (120,125)**
062				Atherosclerotic cardiovascular disease, so described (125.0)
063				All other forms of chronic ischemic heart disease (120, 125.1-125.9; effective 2006, 125.2 removed)
064*				**Other heart diseases (126-151)**
065				Acute and subacute endocarditis (133)
066				Diseases of pericardium and acute myocarditis (130-131,140)
067				Heart failure (150)
068				All other forms of heart disease (126-128,134-138,142-149,151)
069				1999-2005: Essential (primary) hypertension and hypertensive renal disease (110,112) 20006-present: Essential hypertension and hypertensive renal disease (110,112,115)
070				Cerebrovascular diseases (160-169)

071 Atherosclerosis (170)

Table 8 (contd.). Tenth Revision 113 selected causes-of-death list, adapted by NCHS

113 Recode	Code limited Sex	Age	ICD-10 Case-of-death Title and Codes
072*			**Other diseases of circulatory system (171-178)**
073			Aortic aneurysm and dissection (171)
074			Other diseases of arteries, arterioles and capillaries (172-178)
075			Other disorders of circulatory system (180-199)
076*			**Influenza and pneumonia (codes for 1999-2006: J10-J18, for 2007 and later: J09-J18)**
077			1999-2006: Influenza (J10-J11) 2007-present: Influenza (J09-J11)
078			Pneumonia (J12-J18)
079*			**Other acute lower respiratory infections (codes for 1999-2006: J20-J22, for 2007 and later: J20-J22, U04)**
080			Acute bronchitis and bronchiolitis (J20-J21)
081			1999-2006: Unspecified acute lower respiratory infection (J22) 2007-present: Other and unspecified acute lower respiratory infection (J22, U04)
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)

Table 8 (contd.). Tenth Revision 113 selected causes-of-death list, adapted by NCHS

113 Recode	Code limited Sex	Age	ICD-10 Cause-of-death Title and Codes
110			Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)
111			All other diseases (Residual) (D65-E07,E15-E34,E65-F99,G04-G12, G23-G25,G31-H93,K00-K22,K29-K31,K50-K66,K71-K72, K75-K76, K83-M99,N13.0-N13.5,N13.7-N13.9,N14,N15.0, N15.8-N15.9, N20-N23, N28-N39,N41-N64,N80-N98)
112*			**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 sequelae (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 sequelae (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 sequelae (*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 sequelae (*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 sequelae (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**.**

[1]The 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 **(12, 12)**. 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 9 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* **(13)**.

Table 9. 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: Tenth Revision	Ninth Revision	Estimated compara-bility ratio	Standard error	Relative Stnd. error	95 percent confidence limits Lower	Upper
Salmonella infections	A01-A02	002-003	30	37	0.8108	0.0644	7.9	0.6846	0.9370
Shigellosis and amebiasis	A03,A06	004,006	*	*	*	*	*	*	*
Certain other intestinal infections	A04,A07-A09	007-009	*	*	*	*	*	*	*
Tuberculosis	A16-A19	010-018	653	764	0.8547	0.0172	2.0	0.8209	0.8885
Respiratory tuberculosis	A16	010-012	518	572	0.9056	0.0201	2.2	0.8662	0.9450
Other tuberculosis	A17-A19	013-018	135	192	0.7031	0.0407	5.8	0.6233	0.7830
Whooping cough	A37	033	*	*	*	*	*	*	*
Scarlet fever and erysipelas	A38,A46	034.1-035	*	*	*	*	*	*	*
Meningococcal infection	A39	036	221	222	0.9955	0.0149	1.5	0.9663	1.0247
Septicemia	A40-A41	038	21,258	17,791	1.1949	0.0042	0.3	1.1867	1.2030
Syphilis	A50-A53	090-097	21	33	0.6364	0.1184	18.6	0.4043	0.8685
Acute poliomyelitis	A80	045	*	*	*	*	*	*	*
Arthropod-borne viral encephalitis	A83-A84,A85.2	062-064	*	*	*	*	*	*	*
Measles	B05	055	*	*	*	*	*	*	*
Viral hepatitis	B15-B19	070	1,123	1,346	0.8343	0.0120	1.4	0.8109	0.8578
Human immunodeficiency virus (HIV) disease	B20-B24	*042-*044	12,765	11,150	1.1448	0.0045	0.4	1.1360	1.1536
Malaria	B50-B54	084	*	*	*	*	*	*	*
Other and unspecified infectious and parasitic diseases And their sequelae	A00,A05,A20-A36,A42-A44, A48-A49,A54-A79,A81-A82, A85.0-A85.1,A85.8,A86-B04 B06-B09,B25-B49,B55-B99	001,005,020-032,037,039-041,046-054,056-061 065-066,071-083,085-088, 098-134,136-139,771.3	2,865	2,607	1.0990	0.0154	1.4	1.0688	1.1291
Malignant neoplasms	C00-C97	140-208	464,688	461,544	1.0068	0.0002	0.0	1.0064	1.0072
Malignant neoplasms of lip, oral cavity and pharynx	C00-C14	140-149	5,927	6,172	0.9603	0.0040	0.4	0.9525	0.9681
Malignant neoplasm of esophagus	C15	150	9,596	9,630	0.9965	0.0020	0.2	0.9926	1.0003
Malignant neoplasm of stomach	C16	151	11,480	11,408	1.0063	0.0019	0.2	1.0025	1.0101
Malignant neoplasms of colon, rectum and anus	C18-C21	153-154	48,583	48,619	0.9993	0.0009	0.1	0.9975	1.0010
Malignant neoplasms of liver and intrahepatic bile ducts	C22	155	9,732	10,102	0.9634	0.0023	0.2	0.9588	0.9679
Malignant neoplasm of pancreas	C25	157	24,313	24,361	0.9980	0.0009	0.1	0.9963	0.9997
Malignant neoplasm of larynx	C32	161	3,209	3,194	1.0047	0.0053	0.5	0.9943	1.0150
Malignant neoplasms of trachea, bronchus and lung	C33-C34	162	131,750	133,936	0.9837	0.0005	0.1	0.9827	0.9846
Malignant melanoma of skin	C43	172	5,941	6,139	0.9677	0.0032	0.3	0.9614	0.9741
Malignant neoplasm of breast	C50	174-175	38,102	37,891	1.0056	0.0010	0.1	1.0036	1.0075
Malignant neoplasm of cervix uteri	C53	180	3,753	3,802	0.9871	0.0034	0.3	0.9805	0.9938
Malignant neoplasms of corpus uteri and uterus, Part unspecified	C54-C55	179,182	5,318	5,183	1.0260	0.0040	0.4	1.0182	1.0339
Malignant neoplasm of ovary	C56	183.0	11,292	11,344	0.9954	0.0016	0.2	0.9923	0.9985
Malignant neoplasm of prostate	C61	185	30,672	30,267	1.0134	0.0015	0.1	1.0105	1.0162
Malignant neoplasms of kidney and renal pelvis	C64-C65	189.0,189.1	9,521	9,521	1.0000	0.0022	0.2	0.9957	1.0043
Malignant neoplasm of bladder	C67	188	9,563	9,594	0.9968	0.0026	0.3	0.9916	1.0019
Malignant neoplasms of meninges, brain and other parts									

Table 9. 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: Tenth Revision	Ninth Revision	Estimated compara-bility ratio	Standard error	Relative Stnd. error	95 percent confidence limits Lower	Upper
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.	C88,C90	203	9,099	8,763	1.0383	0.0030	0.3	1.0324	1.0443
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96	---	*	*	*	*	*	*	*
All other and unspecified malignant neoplasms	C17,C23-C24,C26-C31, C37-C41,C44-C49,C51-C52, C57-C60,C62-C63 C66,C68-C69,C73-C80,C97	152,156,158-160,163-171, 173,181,183.2-184,186-187,189.2-190,193-199	51,182	45,492	1.1251	0.0021	0.2	1.1210	1.1292
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48	210-239	9,263	5,532	1.6744	0.0164	1.0	1.6422	1.7067
Anemias	D50-D64	280-285	3,059	3,200	0.9559	0.0077	0.8	0.9409	0.9710
Diabetes mellitus	E10-E14	250	48,636	48,242	1.0082	0.0011	0.1	1.0060	1.0103
Nutritional deficiencies	E40-E64	260-269	3,215	2,763	1.1636	0.0165	1.4	1.1312	1.1960
Malnutrition	E40-E46	260-263	2,607	2,665	0.9782	0.0151	1.5	0.9487	1.0078
Other nutritional deficiencies	E50-E64	264-269	608	98	6.2041	0.5961	9.6	5.0358	7.3724
Meningitis	G00,G03	320-322	592	584	1.0137	0.0136	1.3	0.9871	1.0403
Parkinson's disease	G20-G21	332	10,404	10,392	1.0012	0.0028	0.3	0.9956	1.0067
Alzheimer's disease	G30	331.0	29,707	19,121	1.5536	0.0071	0.5	1.5398	1.5675
Major cardiovascular diseases	I00-I78	390-434,436-448	796,919	798,435	0.9981	0.0002	0.0	0.9977	0.9985
Diseases of heart	I00-I09,I11,I13,I20-I51	390-398,402,404,410-429	615,564	624,405	0.9858	0.0002	0.0	0.9854	0.9863
Acute rheumatic fever and chronic rheumatic heart diseases	I00-I09	390-398	2,446	2,980	0.8208	0.0089	1.1	0.8034	0.8382
Hypertensive heart disease	I11	402	17,322	21,577	0.8028	0.0028	0.3	0.7973	0.8083
Hypertensive heart and renal disease	I13	404	2,170	2,027	1.0705	0.0160	1.5	1.0392	1.1019
Ischemic heart diseases	I20-I25	410-414,429.2	466,459	466,935	0.9990	0.0002	0.0	0.9985	0.9994
Acute myocardial infarction	I21-I22	410	178,125	180,169	0.9887	0.0003	0.0	0.9880	0.9893
Other acute ischemic heart diseases	I24	411	2,667	2,638	1.0110	0.0117	1.2	0.9880	1.0340
Other forms of chronic ischemic heart disease	I20,I25	412-414,429.2	285,667	284,128	1.0054	0.0004	0.0	1.0046	1.0062
Atherosclerotic cardiovascular disease, so described	I25.0	429.2	64,354	61,362	1.0488	0.0016	0.2	1.0456	1.0519
All other forms of chronic ischemic heart disease	I20,I25.1-I25.9	412-414	221,313	222,766	0.9935	0.0004	0.0	0.9927	0.9942
Other heart diseases	I26-I51	415-429.1,429.3-429.9	127,167	130,886	0.9716	0.0010	0.1	0.9696	0.9736
Acute and subacute endocarditis	I33	421	552	554	0.9964	0.0137	1.4	0.9695	1.0233
Diseases of pericardium and acute myocarditis	I30-I31,I40	420,422-423	489	475	1.0295	0.0160	1.6	0.9981	1.0608
Heart failure	I50	428	44,297	42,554	1.0410	0.0013	0.1	1.0384	1.0435
All other forms of heart disease	I26-I28,I34-I38,I42-I49,I51	415-417,424-427,429.0-, 429.1,429.3-429.9	81,829	87,303	0.9373	0.0014	0.2	0.9345	0.9401
Essential (primary) hypertension and hypertensive renal Disease	I10,I12	401,403	11,958	10,684	1.1192	0.0050	0.4	1.1094	1.1291

Table 9. 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: Tenth Revision	Ninth Revision	Estimated compara-bility ratio	Standard error	Relative Stnd. error	95 percent confidence limits Lower	Upper
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 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	O00-099	630-676	*	*	*	*	*	*	*
Pregnancy with abortive outcome	O00-O07	630-639	*	*	*	*	*	*	*
Other complications of pregnancy, childbirth and the puerperium	O10-O99	640-676	*	*	*	*	*	*	*
Certain conditions originating in the perinatal period	P00-P96	760-771.2,771.4-779	10,184	9,555	1.0658	0.0033	0.3	1.0593	1.0724

Table 9. 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: Tenth Revision	Ninth Revision	Estimated compara-bility ratio	Standard error	Relative Stnd. error	95 percent confidence limits Lower	Upper
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
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	E929.9,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	*	*	*	*	*	*	*

Table 9. 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: Tenth Revision	Ninth Revision	Estimated compara-bility ratio	Standard error	Relative Stnd. error	95 percent confidence limits Lower	Upper
Other and unspecified events of undetermined intent and their sequelae ……	Y10-Y21,Y25-Y34,Y87.2,Y89.9	E980-E984,E985.5-E989	*	*	*	*	*	*	*
Operations of war and their sequelae ……	Y36,Y89.1	E990-E999	*	*	*	*	*	*	*
Complications of medical and surgical care ……	Y40-Y84,Y88	E870-E879,E930-E949	*	*	*	*	*	*	*
Injury by firearms (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
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 **(45, 46)**. 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 **(46).**

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 **(36)**.

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* **(1-11)**. Note that the approach used to calculate standard errors and confidence intervals when the number of deaths is fewer than 100 (which is often the case when working with counties) differs from that used when the number of deaths is 100 or greater.

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 to the U.S. standard population age distribution. Rormulas are provided in the Technical Notes in the annual National Vital Statistics Reports *Deaths: Final Data* **(1-11)**. 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* **(47)**. Traditionally, the standard population has been scaled so that the age-specific counts summed to one million (referred to as the standard million population) and weights for use in age-adjustment have been computed from this standard million population (and rounded to six decimal places). Beginning with the 2003 data year, the traditional standard million population along with the corresponding standard weights to six decimal places were replaced by the projected year 2000 population age distribution (**Table 10**). The effect of the change is negligible and does not significantly affect comparability with age-adjusted rates calculated using the previous method.

Table 10. 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 Americans living abroad.

Decennial Census

The census of population (decennial census) enumerates the resident population of the United States as of April 1 of the census year. Data on sex, race, age, Hispanic origin, 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" **(14)**. 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" **(15)**. 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. Note that persons with Hispanic origin not stated on the census have their Hispanic origin imputed by the Census Bureau.

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 **(48)**. 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 **(43)** Of the 281,421,906 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 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 **(14, 15)**. One example of a data system continuing to collect data using the old standards is the Vital Statistics Cooperative Program. To date, many states have not yet 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 **(18, 32, 33)**. 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 *eac*h 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) **(18, 32, 33)**. 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, to the intercensal estimates for the 1990s, 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) **(21-31)**. Bridged-race population estimates are available from: **http://www.cdc.gov/nchs/nvss/bridged_race.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 county-level 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 internal migration.

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 **(44)**. 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 or African American, and white) **(23-31)**. Bridged-race postcensal population estimates are available from: **http://www.cdc.gov/nchs/nvss/bridged_race.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.

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 bridged-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 **(22, 48)** (see Bridged-race Population Estimates for Census 2000".

APPENDIX E
State and County FIPS Codes and Names

Counties are considered to be the "first-order subdivisions" of each state, regardless of their local designation (county, parish, or borough). Washington, D.C.; the consolidated government of Columbus, Georgia; the independent cities of the states of Maryland, Missouri, Nevada, and Virginia; the boroughs and census areas of Alaska; and that part of Yellowstone Park in Montana are identified as county equivalents.

Beginning in 1968, the National Institute of Standards and Technology, U.S. Department of Commerce established the Federal Information Processing Standards (FIPS), a set of names and codes for counties and county equivalents of the 50 states and the District of Columbia **(49).** Use of this standardized set of numeric or alphabetic codes ensured uniform identification of States and counties/county equivalents throughout federal agencies. Recently, the American National Standards Institute (ANSI) has become responsible for issuing the standardized codes (now renamed the ANSI codes). In the CMF documentation, the state and county codes continue to be referred to as FIPS codes.

The state FIPS codes are ascending, two-digit numbers; the county FIPS codes are ascending three-digit numbers. For both the state and county codes, space has been left for new states or counties.

Changes in county geography (addition and deletion of counties, and boundary changes) and associated changes in the FIPS codes occur from time to time **(50)**. For example, one county may absorb another, two counties may be merged resulting in the deletion of both of them and the creation of a new county, or part of a county may be split off to form a new county or be merged with an existing county. Some county boundary changes result in substantial increases or decreases in the population of the affected county and hence impact death counts, population estimates, and death rates for that county.

Changes in county geography often are implemented later in the vital statistics system than in the Census population files. Thus, deaths continue to be reported for counties that no longer appear on the Census Bureau population files, and are not reported for newly added counties. Generally, when the mortality and Census Bureau population file county geography does not match, the geography on the Census Bureau population files is modified so that it matches the mortality file geography. There are a few instances where the mortality file geography also had to be modified in order to resolve the incompatibilities. When computing statistics at the county-level over time, the user must be aware of changes in county geography so that affected areas can be handled appropriately.

Notes

1. 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".

2. There is a record on the population file for each geographic entity (U.S., states, and counties), year, bridged race, and sex subpopulation even if the population estimate is zero. 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.

3. The number of counties for which there is data on the CMF varies over time. 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 later there are 3,141 counties.

4. The FIPS codes and names for the counties on the CMF are listed in **Appendix F**.

5. Tables 11-13 summarize information about changes in county FIPS codes in the CMF:

- Table 1 summarizes changes in the county/county equivalents available on the CMF and changes in county boundaries.
- Table 2 lists the changes made to the FIPS codes on the Census population files so that the codes on the CMF population files would match those on the CMF mortality file.
- Table 3 indicates between which data years discontinuities in the mortality and population data may be observed because of changes in a county’s boundaries.

Table 11. Summary of changes in the availability of counties and county equivalents on the CMF: 1979-present

Area Name	FIPS code	1979-1888	1989-1993	1994-2002	2003-present
ALASKA					
All Alaska areas, combined	02900	√	-*-	-*-	-*-
Aleutian Islands Census Area	02010	-*-	√	-*-	-*-
Aleutians East Borough	02013	-*-	-*-	√	√
Aleutians West Census Area	02016	-*-	-*-	√	√
Anchorage Borough	02020	-*-	√	√	√
Bethel Census Area	02050	-*-	√	√	√
Bristol Bay Borough	02060	-*-	√	√	√
Denali Borough	02068	-*-	-*-	-*-	√
Dillingham Census Area[1]	02070	-*-	√	√	√
Fairbanks North Star Borough	02090	-*-	√	√	√
Haines Borough	02100	-*-	√	√	√
Hoonah-Angoon Census Area	02105	-*-	-*-	-*-	-*-
Juneau Borough	02110	-*-	√	√	√
Kenai Peninsula Borough	02122	-*-	√	√	√
Ketchikan Gateway Borough	02130	-*-	√	√	√
Kodiak Island Borough	02150	-*-	√	√	√
Lake and Peninsula Borough	02164	-*-	-*-	√	√
Matanuska-Susitina Borough	02170	-*-	√	√	√
Nome Census Area	02180	-*-	√	√	√
North Slope Borough	02185	-*-	√	√	√
Northwest Arctic Borough	02188	-*-	√	√	√
Petersburg Census Area	02195	-*-	-*-	-*-	-*-
Prince of Wales-Hyder Census Area	02198	-*-	-*-	-*-	-*-
Prince of Wales-Outer Ketchikan Census Area	02201	-*-	√	√	√
Sitka Borough	02220	-*-	√	√	√
Skagway Municipality	02230	-*-	-*-	-*-	-*-
Skagway-Hoonah-Angoon Census Area	02232	-*-	-*-	√	√
Skagway-Yakutat-Angoon Census Area	02231	-*-	√	-*-	-*-
Southeast Fairbanks Census Area	02240	-*-	√	√	√
Valdez-Cordova Census Area	02260	-*-	√	√	√
Wade Hampton Census Area	02270	-*-	√	√	√
Wrangell City and Borough	02275	-*-	-*-	-*-	-*-
Wrangell-Petersburg Census Area	02280	-*-	√	√	√
Yakutat Borough	02282	-*-	-*-	√	√
Yukon-Koyukuk Census Area[2]	02290	-*-	√	√	√
ARIZONA					
La Paz County	04012	-*-	-*-	√	√
Yuma County[1]	04027	√	√	√	√
COLORADO					

Adams County[3]	08001	√	√	√	√
Boulder County[3]	08013	√	√	√	√
Broomfield County	08014	-*-	-*-	-*-	√
Jefferson County[3]	08059	√	√	√	√
Weld County[3]	08123	√	√	√	√
FLORIDA					
Dade County	12025	√	√	-*-	-*-
Miami-Dade county	12086	-*-	-*-	√	√
GEORGIA					
Unknown County[4]	13999	-*-	√	-*-[4]	-*-
MONTANA					
Gallatin County	30031	√	√	√	√
Yellowstone Park County	30113	√	√	-*-	-*-
NEW MEXICO					
Cibola County	35006	-*-	√	√	√
Valencia County[5]	35051	√	√	√	√
VIRGINIA					
Alleghany, County[6]	51005	√	√	√[6]	√
Clifton Forge city	51560	√	√	√	-*-
Halifax County[5]	51083	√	√	√	√
Nansamond city	51123	-*-	-*-	-*-	-*-
South Boston city	51780	√	√	-*-	-*-

-*-Area is not on the CMF during this period.

√ Area is on the CMF during this period.

Table 12. Changes made to the FIPS codes on the Census Bureau population files so that the FIPS codes on the CMF population files match those on the CMF mortality file

Area name	FIPS code	Years involved	Change Made
ALASKA			
Aleutians East; Aleutians West	02013; 02016	1989-1993	Recoded FIPS codes to 02010 (Aleutians Islands).
Denali	02068	1989-2002	Recoded FIPS code to 02290 (Yukon-Koyukuk)
Hoonah-Angoon; Skagway	02105; 02230	2008-2009	Recoded FIPS codes to 02232 (Skagway-Hoonah-Angoon).
Lake and Peninsula	02164	1989-1993	Changed FIPS code to 02070 (Dillingham).
Petersburg; Wrangell	02195; 02275	2009	Recoded FIPS codes to 02280 (Wrangell-Petersburg).
Prince of Wales	02198	2009	Recoded FIPS code to 02201 (Prince of Wales-Outer Ketchikan).
Skagway-Hoonah-Angoon; Yakutat	02232; 02282	1989-1993	Recoded FIPS codes to 02231 (Skagway-Yakutat-Angoon).
ARIZONA			
La Paz County	04012	1981-1993	Recoded FIPS code to 04027 (Yuma County).
COLORADO			
Broomfield County	08014	2001-2002	FIPS code deleted. The population estimates for Broomfield County were apportioned back to the 4 Colorado counties from which Broomfield was formed: Adams (FIPS code = 08001), Boulder (FIPS code = 08013), Jefferson (FIPS code = 08059), and Weld (FIPS code = 08123).

Notes: For 1980, 1990, and 2000, county FIPS codes on the April 1 census files were recoded. For 1981-89 and 1991-99, county FIPS codes on the intercensal files were recoded. For 2001-2009 county FIPS codes on the Vintage 2009 file were recoded.

Table 13. Discontinuities in the county-level mortality or population data on the CMF resulting from geographic changes

Area name	FIPS code	Years between which discontinuity occurs	Direction of discontinuity	Data files in which discontinuity occurs	Geographic change causing discontinuity
ALASKA					
Dillingham Census Area	02070	1993 and 1994	decrease	mortality, population	Lake and peninsula Borough split off
Ketchikan Gateway Borough	02130	2008 and 2009	increase	population	Outer Ketchikan annexed, only implemented for population
Prince of Wales-Outer Ketchikan Census Area	02201	2008 and 2009	decrease	population	Outer Ketchikan and a small part of Prince of Wales removed, only implemented for population
Wrangell-Petersburg Census Area	02280	2008 and 2009	increase	population	Petersburg and Wrangell City and Borough recombined. Recombined area is larger than original because it includes part of former Prince of Wales-outer Ketchikan
Yukon-Koyukuk Census Area	02290	2002 and 2003	decrease	mortality, population	Denali borough split off
ARIZONA					
Yuma County	04027	1993 and 1994	decrease	mortality, population	La Paz County split off
COLORADO					
Adams; Boulder; Jefferson; Weld	08001 08013 08059 08123	2002 and 2003	decrease	mortality, population	Territory removed from each county to form Broomfield County
VIRGINIA					
Alleghany County	51005	2000 and 2001	increase	mortality, population	Clifton Forge city merged with county
Halifax County	51083	1988 and 1989	increase	mortality, population	South Boston city merged with county

Specifics about county FIPS code changes on CMF

1. **Alaska boroughs and census areas**.

The boroughs and census areas of Alaska undergo frequent changes making it difficult to work with individual areas. Prior to 1989, the CMF did not include data for the individual Alaska areas. The FIPS codes used for vital statistics coding for Alaska changed in 1994 and in 2003 and therefore changed on the CMF. Specific coding details for Alaska are given below and summarized in **Table 11**.

a. **Alaska, all areas combined (FIPS code = 02900)**. For 1968-88 no data are available on the CMF for individual Alaska areas. For these years, only state-level records (all individual areas combined) with a FIPS code of 02900 appear on the CMF.

b. **Aleutian Islands Census Area (FIPS code = 02010)**. The code for Aleutian Islands Census Area is on the CMF only for the years 1989-93. For 1994-present, Aleutian Islands Census Area was replaced by two new areas, Aleutians East Borough (FIPS code=02013) and Aleutians West Census Area (FIPS code=02016).

c. **Aleutians East Borough (FIPS code = 02013)**. Aleutians East Borough was created from part of Aleutian Islands Census Area (FIPS code=02010). Death counts and population estimates for Aleutians East are on the CMF for 1994-present; for 1989-1993, they were reported for Aleutians Islands Census Area.

d. **Aleutians West Census Area (FIPS code = 02016).** Aleutians West Census Area was created from that part of Aleutian Islands (FIPS code=02010) that did not become part of Aleutians East Borough (FIPS code=02013). Death counts and population estimates for Aleutians West are on the CMF for 1994-present; for 1989-93, they were reported for Aleutians Islands Census Area.

e. **Denali Borough FIPS code = 02068)**. Denali Borough was created from the Yukon-Koyukuk Census Area (FIPS code=02290) and an unpopulated part of Southeast Fairbanks (FIPS code=02240). The code for Denali first is on the CMF for 2003-present. Prior to 2003, deaths and population counts for Denali are coded to Yukon-Koyukuk.

f. **Dillingham Census Area (FIPS code = 02070)**. Death counts and population estimates for Dillingham are available on the CMF for 1989 -present. There may be a discontinuity between 1993 and 1994 in the data reported for Dillingham because in 1989 part of Dillingham was removed to form Lake and Peninsula Borough (FIPS code = 02164) and this change was implemented in the vital records files and the CMF beginning 1994.

g. **Hoonah-Angoon Census Area (FIPS code = 02105).** Data for Hoonah-Angoon Census Area are not available on the CMF because deaths are not yet reported

for this new area. In 2008 Skagway-Hoonah-Angoon Census Area (FIPS code = 02232) was divided into Hoonah-Angoon Census Area and Skagway Municipality (FIPS code = 02230). This change has been implemented in the Census Bureau's population files, but not in the mortality files. Therefore, population estimates for Hoonah-Angoon and Skagway Municipality on the original Vintage 2009 postcensal population files were recoded to Skagway-Hoonah-Angoon Census Area for the CMF population file.

h. **Ketchikan Gateway Borough (FIPS code = 02130)**. Data for Ketchikan Gateway Borough are available on the CMF for 1989-present. In 2009, this Borough had a boundary change when it annexed Outer Ketchikan (formerly part of Prince of Wales-Outer Ketchikan Census Area (FIPS code = 02201)). The annexed territory was mostly unpopulated. The annexation has not been implemented in the vital records files, but was implemented in the Vintage 2009 population files. As a result, for 2001-2009, the population for Outer Ketchikan is reported for Ketchikan Gateway, not for Prince of Wales –Outer Ketchikan while any deaths that occur in Outer Ketchikan continue to be reported for Prince of Wales-Outer Ketchikan Census Area, not for Ketchikan Gateway.

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

j. **Lake and Peninsula Borough (FIPS code = 02164)**. Lake and Peninsula Borough was created from part of Dillingham (FIPS code=02070). The FIPS code for this borough appears on the CMF for 1994-present. Data for this area for 1989-1993 are coded to Dillingham.

k. **Northwest Arctic Borough (FIPS code = 02185)**. Death counts and population estimates are available for this area on the CMF beginning with data year 1989. This area was formed in 1982 when an unpopulated part of North Slope Borough (FIPS code=02185) was combined with Kobuck (FIPS code=02140)

l. **Petersburg Census Area (FIPS code = 02195)**. Data for Petersburg Census Area are not available on the CMF. Petersburg Census Area was created in 2009 from the Petersburg part of Wrangell-Petersburg Census Area (FIPS code = 02-280). This change was implemented in the Vintage 2009 population file but has not yet been implemented in the vital records files. Therefore, population estimates for Petersburg Census Area in the Vintage 2009 population files were aggregated with those for the new Wrangell Borough (FIPS code 02275) and recoded to the former Wrangell-Petersburg (FIPS code 02280).

m. **Prince of Wales-Hyder Census Area (FIPS code 02198)**. Data for Prince of Wales-Hyder Census Area are not available on the CMF. Prince of Wales-Hyder was formed from part of Prince of Wales-Outer Ketchikan Census Area (FIPS code = 02201). This change was implemented in the Vintage 2009 population files but has not been implemented in the vital records files. Therefore, the 2001-

2009 population estimates for Prince of Wales-Hyder on the Vintage 2009 population files were recoded to Prince of Wales-Outer Ketchikan Census Area. Population for Outer Ketchikan which was aggregated into the Ketchikan Gateway estimates could not be recovered, but was estimated to be small.

n. Prince of Wales-Outer Ketchikan Census Area (FIPS code 02201). Data for Prince of Wales-Outer Ketchikan Census Area are available on the CMF for 1989-present. In 2009, Prince of Wales-Outer Ketchikan was disaggregated. The Outer Ketchikan portion was annexed by Ketchikan Gateway Borough, the Meyers Church part of Prince of Wales was annexed by Wrangell City and Borough, and the remainder became Prince of Wales-Hyder Census Area. This change was implemented in the Vintage 2009 population files but has not been implemented in the vital records files. Therefore, the 2001-2009 population estimates for Prince of Wales-Outer Ketchikan were obtained by recoding the population estimates for Prince of Wales-Hyder to Prince of Wales-Outer Ketchikan Census Area. There may be a discontinuity between the 2000 and 2001 estimates for this area because the populations of Outer Ketchikan and Meyers Church could not be recovered.

o. Skagway Municipality (**FIPS code = 02230)**. Data for Skagway Municipality are not available on the CMF. Skagway-Hoonah-Angoon Census Area (FIPS code = 02232) was divided into Skagway Municipality and Hoonah-Angoon Census Area (FIPS code = 02105) in 2008. This change was implemented by the Census Bureau in its population files but has not yet been implemented in the vital records files. Therefore, the 2001-2009 population estimates for Skagway Municipality on the original Vintage 2009 population files have been aggregated with those for Hoonah-Angoon Census Area and recoded to Skagway-Hoonah-Angoon Census Area for the CMF population file.

p. **Skagway-Hoonah-Angoon Census Area (FIPS code = 02232)**. Data for Skagway-Hoonah-Angoon Census Area appear on the CMF for 1994-present. For 1989-1993, data for Skagway-Hoonah-Angoon were coded to Skagway-Yakutat-Angoon (FIPS code=02231). Skagway-Hoonah-Angoon was formed in 1992 from that part of Skagway-Yakutat-Angoon not incorporated into Yakutat Borough (FIPS code=02282). Note also that in 2008, Skagway-Hoonah-Angoon was split into Hoonah-Angoon Census Area (FIPS code = 02105) and Skagway Municipality (FIPS code = 02230). On the CMF, the 2001-2009 mortality and population data for Hoonah-Angoon Census Area and Skagway Municipality have been aggregated and recoded to Skagway-Hoonah-Angoon Census Area.

q. **Skagway-Yakutat-Angoon Census Area (FIPS code = 02231)**. Data for Skagway-Yakutat-Angoon Census Area are on the CMF for 1989-1993. In 1992, Skagway-Yakutat-Angoon Census Area was deleted, after Yakutat Borough (FIPS code=02282) and Skagway-Hoonah-Angoon Census Areas (FIPS code=02232) were formed. This change was implemented in the vital records files, and hence in the CMF, beginning with the 1994 data year.

r. **Wrangell City and Borough (FIPS code = 02275)**. Data for Wrangell City and Borough are not available on the CMF. Wrangell City and Borough was created in 2009 from part of Wrangell-Petersburg Census Area (FIPS code = 02280) and part of Prince of Wales-Outer Ketchikan Census Area (FIPS code = 02201) (Meyers Church). This change was implemented in the Vintage 2009 population file but has not yet been implemented in the vital records files. Therefore, population estimates for Wrangell City and Borough on the Vintage 2009 population files were aggregated with those for Petersburg (FIPS code 02195) and recoded to Wrangell-Petersburg Census Area for the CMF population file. The recombined area includes the additional population for Myers Church.

s. **Wrangell-Petersburg Census Area (FIPS code = 02280)**. Data for Wrangell-Petersburg Census Area are available on the CMF for 1989-present. In 2009, Wrangell-Petersburg was split to form part of Wrangell City and Borough (FIPS code = 02275) and all of Petersburg Census Area (FIPS code = 02195). This change was implemented in the Vintage 2009 population files but has not yet been implemented in the vital records files. Therefore, the 2001-2009 population estimates for this area on the CMF were obtained by combining the estimates for Wrangell City and Borough with those for Petersburg Census Area. Because the new Wrangell City and Borough includes part of the former Prince of Wales-Outer Ketchikan (Meyers Church), the population of the recombined area is augmented somewhat.

t. **Yakutat Borough (FIPS code = 02282)**. Data for Yakutat Borough are available on the CMF for 1994-present. Yakutat Borough was created in 1992 from part of Skagway-Yakutat-Angoon (FIPS code=02231). This change was not implemented in the vital records files until the 1994 data year. On the CMF, data for Yakutat continued to be coded to Skagway-Yakutat-Angoon until 1994.

u. **Yukon-Koyukuk Census Area (FIPS code = 02290)**. Data for Yukon-Koyukuk are on the CMF for 1989-present. However, there are discontinuities between 2002 and 2003 in the data reported for Yukon-Koyukuk because part of this census area was removed to form Denali Borough (FIPS code = 02068) and this change was implemented in the vital records files and the CMF in the 2003 data year.

2. **La Paz County, AZ (FIPS code = 04012) and Yuma County, AZ. (FIPS code = 02027).** Data for Yuma County, AZ are available on the CMF for 1968-present and for La Paz County, AZ for 1994-present. However, there are discontinuities between 1993 and 1994 in the data reported for Yuma County. These discontinuities occur because part of Yuma County was removed to form La Paz County (in 1982) and this change was implemented in the vital records files and in the CMF beginning in 1994.

3. **Broomfield County, Adams County, Boulder County, Jefferson County, Weld County, CO.** Broomfield County, CO (FIPS code=08014) was created in 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 the CMF. Death counts and population estimates for Columbus city (FIPS code=13510) have been aggregated with those for Muscogee County (FIPS code=13215).

6. **Unknown County, GA.** A code was created for an "unknown" county in Georgia for data years 1989-1991. Deaths with a mention of HIV as the underlying cause of death or one of the multiple causes of death were assigned to this fictitious county when fewer than 3 occurred in the actual county of residence of the decedent. No population estimates are available.

7. **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).

8. **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.

9. **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).

10. **Yellowstone National Park part, MT (FIPS code=30113) and Gallatin County, MT (FIPS code=30031).** 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). Beginning with 1989, the FIPS code for Yellowstone Park (30113) was dropped from the CMF and death counts and population estimates for Yellowstone are aggregated with those for Gallatin County. The number of deaths in Yellowstone Park was so small that this should not create a discontinuity.

11. **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.

12. **Cibola County, NM (FIPS code=35006) and Valencia County, NM (FIPS code=35061).** Data for Valencia County, NM are available on the CMF for 1968-present and for Cibola County, NM for 1989-present. However, there are discontinuities between 1988 and 1989 in the data reported for Valencia County. These discontinuities occur because part of Valencia County was removed to form Yuma County (in 1981) and this change was implemented in the vital records files and in the CMF beginning in 1989.

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

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

14. **Virginia independent cities**.

a. **Clifton Forge city, VA (FIPS code = 51560) and Alleghany County, VA (FIPS code = 51005)** Data are available on the CMF for Alleghany County (FIPS code = 51005) for 1968-present and for Clifton Forge city (FIPS code = 51560) for 1968-2000. Beginning with the 2001 data year Clifton Forge deaths and population estimates are aggregated with those of Alleghany County because this independent city merged with the county in 2001. As a result of this change, there is a discontinuity between 2000 and 2001 in the data reported for Alleghany County.

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 the CMF, death counts and population estimates for Nansemond are aggregated with those for Suffolk city for all years.

c. **South Boston city, VA (FIPS code = 51780) and Halifax County, VA (FIPS code = 51083).** Data are available on the CMF for Halifax County (FIPS code = 51083) for 1968-present and for South Boston city (FIPS code = 51780) for 1968-1988. On the CMF, deaths and population estimates for South Boston city are aggregated with those of Halifax County beginning with the 1989 data year because this independent city merged with the county. As a result of this change there is a discontinuity between 1988 and 1989 in the data reported for Halifax County.

d. The Virginia independent cities are treated as counties and appear on the CMF with the indicated FIPS codes **(Table 12)**.

Table 14. 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
South Boston*	51780	Halifax	51083
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 the CMF for 1968-2000. South Boston is only on the CMF for 1968-1988.

APPENDIX F
Dictionary of States 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	RhodeIsland
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 St	FIPS Cnty	State Abbrv	County 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
02	016	AK	Aleutians West C. A.
02	020	AK	Anchorage Borough

FIPS St	FIPS Cnty	State Abbrv	County Name
02	050	AK	Bethel Census Area
02	060	AK	Bristol Bay Borough
02	068	AK	Denali Borough
02	070	AK	Dillingham Census Area
02	090	AK	Fairbanks North Star B.
02	100	AK	Haines Borough
02	110	AK	Juneau Borough
02	122	AK	Kenai Peninsula Borough
02	130	AK	Ketchikan Gateway B.
02	150	AK	Kodiak Island Borough
02	164	AK	Lake and Peninsula B.
02	170	AK	Matanuska-Susitina B.
02	180	AK	Nome Census Area
02	185	AK	North Slope Borough
02	188	AK	Northwest Arctic Borough
02	201	AK	Prince of Wales-Outer Ketchikan
02	220	AK	Sitka Borough
02	231	AK	Skagway-Yakutat-Angoon C.A.
02	232	AK	Skagway-Hoonah-Angoon C.A.
02	240	AK	Southeast Fairbanks B
02	261	AK	Valdez-Cordova C. A.
02	270	AK	Wade Hampton C. A.
02	280	AK	Wrangell-Petersburg C.A.
02	282	AK	Yakutat Borough
02	290	AK	Yukon-Koyukuk C.A.
ARIZONA			
04	000	AZ	*STATE TOTAL*
04	001	AZ	APACHE
04	003	AZ	COCHISE
04	005	AZ	COCONINO
04	007	AZ	GILA
04	009	AZ	GRAHAM
04	011	AZ	GREENLEE
04	012	AZ	LA PAZ
04	013	AZ	MARICOPA
04	015	AZ	MOHAVE
04	017	AZ	NAVAJO
04	019	AZ	PIMA
04	021	AZ	PINAL
04	023	AZ	SANTA CRUZ
04	025	AZ	YAVAPAI
04	027	AZ	YUMA
ARKANSAS			
05	000	AR	*STATE TOTAL*
05	001	AR	ARKANSAS
05	003	AR	ASHLEY
05	005	AR	BAXTER
05	007	AR	BENTON
05	009	AR	BOONE
05	011	AR	BRADLEY
05	013	AR	CALHOUN
05	015	AR	CARROLL
05	017	AR	CHICOT
05	019	AR	CLARK
05	021	AR	CLAY
05	023	AR	CLEBURNE
05	025	AR	CLEVELAND
05	027	AR	COLUMBIA
05	029	AR	CONWAY
05	031	AR	CRAIGHEAD
05	033	AR	CRAWFORD
05	035	AR	CRITTENDEN
05	037	AR	CROSS
05	039	AR	DALLAS
05	041	AR	DESHA
05	043	AR	DREW
05	045	AR	FAULKNER
05	047	AR	FRANKLIN
05	049	AR	FULTON
05	051	AR	GARLAND
05	053	AR	GRANT
05	055	AR	GREENE
05	057	AR	HEMPSTEAD
05	059	AR	HOT SPRING
05	061	AR	HOWARD
05	063	AR	INDEPENDENCE
05	065	AR	IZARD
05	067	AR	JACKSON
05	069	AR	JEFFERSON

FIPS St	FIPS Cnty	State Abbrv	County Name
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

FIPS St	FIPS Cnty	State Abbrv	County Name
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
06	077	CA	SAN JOAQUIN

FIPS St	FIPS Cnty	State Abbrv	County Name
06	079	CA	SAN LUIS OBISPO
06	081	CA	SAN MATEO
06	083	CA	SANTA BARBARA
06	085	CA	SANTA CLARA
06	087	CA	SANTA CRUZ
06	089	CA	SHASTA
06	091	CA	SIERRA
06	093	CA	SISKIYOU
06	095	CA	SOLANO
06	097	CA	SONOMA
06	099	CA	STANISLAUS
06	101	CA	SUTTER
06	103	CA	TEHAMA
06	105	CA	TRINITY
06	107	CA	TULARE
06	109	CA	TUOLUMNE
06	111	CA	VENTURA
06	113	CA	YOLO
06	115	CA	YUBA
COLORADO			
08	000	CO	*STATE TOTAL*
08	001	CO	ADAMS
08	003	CO	ALAMOSA
08	005	CO	ARAPAHOE
08	007	CO	ARCHULETA
08	009	CO	BACA
08	011	CO	BENT
08	013	CO	BOULDER
08	014	CO	BROOMFIELD
08	015	CO	CHAFFEE
08	017	CO	CHEYENNE
08	019	CO	CLEAR CREEK
08	021	CO	CONEJOS
08	023	CO	COSTILLA
08	025	CO	CROWLEY
08	027	CO	CUSTER
08	029	CO	DELTA
08	031	CO	DENVER
08	033	CO	DOLORES
08	035	CO	DOUGLAS
08	037	CO	EAGLE
08	039	CO	ELBERT
08	041	CO	EL PASO
08	043	CO	FREMONT
08	045	CO	GARFIELD
08	047	CO	GILPIN
08	049	CO	GRAND
08	051	CO	GUNNISON
08	053	CO	HINSDALE
08	055	CO	HUERFANO
08	057	CO	JACKSON
08	059	CO	JEFFERSON
08	061	CO	KIOWA
08	063	CO	KIT CARSON
08	065	CO	LAKE
08	067	CO	LA PLATA
08	069	CO	LARIMER
08	071	CO	LAS ANIMAS
08	073	CO	LINCOLN
08	075	CO	LOGAN
08	077	CO	MESA
08	079	CO	MINERAL
08	081	CO	MOFFAT
08	083	CO	MONTEZUMA
08	085	CO	MONTROSE
08	087	CO	MORGAN
08	089	CO	OTERO
08	091	CO	OURAY
08	093	CO	PARK
08	095	CO	PHILLIPS
08	097	CO	PITKIN
08	099	CO	PROWERS
08	101	CO	PUEBLO
08	103	CO	RIO BLANCO
08	105	CO	RIO GRANDE
08	107	CO	ROUTT
08	109	CO	SAGUACHE
08	111	CO	SAN JUAN
08	113	CO	SAN MIGUEL
08	115	CO	SEDGWICK
08	117	CO	SUMMIT

FIPS St	FIPS Cnty	State Abbrv	County Name
08	119	CO	TELLER
08	121	CO	WASHINGTON
08	123	CO	WELD
08	125	CO	YUMA
CONNECTICUTT			
09	000	CT	*STATE TOTAL*
09	001	CT	FAIRFIELD
09	003	CT	HARTFORD
09	005	CT	LITCHFIELD
09	007	CT	MIDDLESEX
09	009	CT	NEW HAVEN
09	011	CT	NEW LONDON
09	013	CT	TOLLAND
09	015	CT	WINDHAM
DELAWARE			
10	000	DE	*STATE TOTAL*
10	001	DE	KENT
10	003	DE	NEW CASTLE
10	005	DE	SUSSEX
DISTRICT of COLUMBIA			
11	000	DC	*STATE TOTAL*
11	001	DC	WASHINGTON
FLORIDA			
12	000	FL	*STATE TOTAL*
12	001	FL	ALACHUA
12	003	FL	BAKER
12	005	FL	BAY
12	007	FL	BRADFORD
12	009	FL	BREVARD
12	011	FL	BROWARD
12	013	FL	CALHOUN
12	015	FL	CHARLOTTE
12	017	FL	CITRUS
12	019	FL	CLAY
12	021	FL	COLLIER
12	023	FL	COLUMBIA
12	025	FL	DADE (now 12086)
12	027	FL	DESOTO
12	029	FL	DIXIE
12	031	FL	DUVAL
12	033	FL	ESCAMBIA
12	035	FL	FLAGLER
12	037	FL	FRANKLIN
12	039	FL	GADSDEN
12	041	FL	GILCHRIST
12	043	FL	GLADES
12	045	FL	GULF
12	047	FL	HAMILTON
12	049	FL	HARDEE
12	051	FL	HENDRY
12	053	FL	HERNANDO
12	055	FL	HIGHLANDS
12	057	FL	HILLSBOROUGH
12	059	FL	HOLMES
12	061	FL	INDIAN RIVER
12	063	FL	JACKSON
12	065	FL	JEFFERSON
12	067	FL	LAFAYETTE
12	069	FL	LAKE
12	071	FL	LEE
12	073	FL	LEON
12	075	FL	LEVY
12	077	FL	LIBERTY
12	079	FL	MADISON
12	081	FL	MANATEE
12	083	FL	MARION
12	085	FL	MARTIN
12	086	FL	MIAMI-DADE
12	087	FL	MONROE
12	089	FL	NASSAU
12	091	FL	OKALOOSA
12	093	FL	OKEECHOBEE
12	095	FL	ORANGE
12	097	FL	OSCEOLA
12	099	FL	PALM BEACH
12	101	FL	PASCO
12	103	FL	PINELLAS
12	105	FL	POLK

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

FIPS St	FIPS Cnty	State Abbrv	County Name
13	131	GA	GRADY
13	133	GA	GREENE
13	135	GA	GWINNETT
13	137	GA	HABERSHAM
13	139	GA	HALL
13	141	GA	HANCOCK
13	143	GA	HARALSON
13	145	GA	HARRIS
13	147	GA	HART
13	149	GA	HEARD
13	151	GA	HENRY
13	153	GA	HOUSTON
13	155	GA	IRWIN
13	157	GA	JACKSON
13	159	GA	JASPER
13	161	GA	JEFF DAVIS
13	163	GA	JEFFERSON
13	165	GA	JENKINS
13	167	GA	JOHNSON
13	169	GA	JONES
13	171	GA	LAMAR
13	173	GA	LANIER
13	175	GA	LAURENS
13	177	GA	LEE
13	179	GA	LIBERTY
13	181	GA	LINCOLN
13	183	GA	LONG
13	185	GA	LOWNDES
13	187	GA	LUMPKIN
13	189	GA	MCDUFFIE
13	191	GA	MCINTOSH
13	193	GA	MACON
13	195	GA	MADISON
13	197	GA	MARION
13	199	GA	MERIWETHER
13	201	GA	MILLER
13	205	GA	MITCHELL
13	207	GA	MONROE
13	209	GA	MONTGOMERY
13	211	GA	MORGAN
13	213	GA	MURRAY
13	215	GA	MUSCOGEE
13	217	GA	NEWTON
13	219	GA	OCONEE
13	221	GA	OGLETHORPE
13	223	GA	PAULDING
13	225	GA	PEACH
13	227	GA	PICKENS
13	229	GA	PIERCE
13	231	GA	PIKE
13	233	GA	POLK
13	235	GA	PULASKI
13	237	GA	PUTNAM
13	239	GA	QUITMAN
13	241	GA	RABUN
13	243	GA	RANDOLPH
13	245	GA	RICHMOND
13	247	GA	ROCKDALE
13	249	GA	SCHLEY
13	251	GA	SCREVEN
13	253	GA	SEMINOLE
13	255	GA	SPALDING
13	257	GA	STEPHENS
13	259	GA	STEWART
13	261	GA	SUMTER
13	263	GA	TALBOT
13	265	GA	TALIAFERRO
13	267	GA	TATTNALL
13	269	GA	TAYLOR
13	271	GA	TELFAIR
13	273	GA	TERRELL
13	275	GA	THOMAS
13	277	GA	TIFT
13	279	GA	TOOMBS
13	281	GA	TOWNS
13	283	GA	TREUTLEN
13	285	GA	TROUP
13	287	GA	TURNER
13	289	GA	TWIGGS
13	291	GA	UNION
13	293	GA	UPSON
13	295	GA	WALKER

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

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

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

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

FIPS St	FIPS Cnty	State Abbrv	County Name
19	113	IA	LINN
19	115	IA	LOUISA
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
19	195	IA	WORTH
19	197	IA	WRIGHT
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 St	FIPS Cnty	State Abbrv	County Name
20	073	KS	GREENWOOD
20	075	KS	HAMILTON
20	077	KS	HARPER
20	079	KS	HARVEY
20	081	KS	HASKELL
20	083	KS	HODGEMAN
20	085	KS	JACKSON
20	087	KS	JEFFERSON
20	089	KS	JEWELL
20	091	KS	JOHNSON
20	093	KS	KEARNY
20	095	KS	KINGMAN
20	097	KS	KIOWA
20	099	KS	LABETTE
20	101	KS	LANE
20	103	KS	LEAVENWORTH
20	105	KS	LINCOLN
20	107	KS	LINN
20	109	KS	LOGAN
20	111	KS	LYON
20	113	KS	MCPHERSON
20	115	KS	MARION
20	117	KS	MARSHALL
20	119	KS	MEADE
20	121	KS	MIAMI
20	123	KS	MITCHELL
20	125	KS	MONTGOMERY
20	127	KS	MORRIS
20	129	KS	MORTON
20	131	KS	NEMAHA
20	133	KS	NEOSHO
20	135	KS	NESS
20	137	KS	NORTON
20	139	KS	OSAGE
20	141	KS	OSBORNE
20	143	KS	OTTAWA
20	145	KS	PAWNEE
20	147	KS	PHILLIPS
20	149	KS	POTTAWATOMIE
20	151	KS	PRATT
20	153	KS	RAWLINS
20	155	KS	RENO
20	157	KS	REPUBLIC
20	159	KS	RICE
20	161	KS	RILEY
20	163	KS	ROOKS
20	165	KS	RUSH
20	167	KS	RUSSELL
20	169	KS	SALINE
20	171	KS	SCOTT
20	173	KS	SEDGWICK
20	175	KS	SEWARD
20	177	KS	SHAWNEE
20	179	KS	SHERIDAN
20	181	KS	SHERMAN
20	183	KS	SMITH
20	185	KS	STAFFORD
20	187	KS	STANTON
20	189	KS	STEVENS
20	191	KS	SUMNER
20	193	KS	THOMAS
20	195	KS	TREGO
20	197	KS	WABAUNSEE
20	199	KS	WALLACE
20	201	KS	WASHINGTON
20	203	KS	WICHITA
20	205	KS	WILSON
20	207	KS	WOODSON
20	209	KS	WYANDOTTE
KENTUCKY			
21	000	KY	*STATE TOTAL*
21	001	KY	ADAIR
21	003	KY	ALLEN
21	005	KY	ANDERSON
21	007	KY	BALLARD
21	009	KY	BARREN
21	011	KY	BATH
21	013	KY	BELL
21	015	KY	BOONE
21	017	KY	BOURBON
21	019	KY	BOYD

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

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

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

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

MINNESOTA

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

FIPS St	FIPS Cnty	State Abbrv	County Name
27	163	MN	WASHINGTON
27	165	MN	WATONWAN
27	167	MN	WILKIN
27	169	MN	WINONA
27	171	MN	WRIGHT
27	173	MN	YELLOW MEDICINE
MISSISSIPPI			
28	000	MS	*STATE TOTAL*
28	001	MS	ADAMS
28	003	MS	ALCORN
28	005	MS	AMITE
28	007	MS	ATTALA
28	009	MS	BENTON
28	011	MS	BOLIVAR
28	013	MS	CALHOUN
28	015	MS	CARROLL
28	017	MS	CHICKASAW
28	019	MS	CHOCTAW
28	021	MS	CLAIBORNE
28	023	MS	CLARKE
28	025	MS	CLAY
28	027	MS	COAHOMA
28	029	MS	COPIAH
28	031	MS	COVINGTON
28	033	MS	DESOTO
28	035	MS	FORREST
28	037	MS	FRANKLIN
28	039	MS	GEORGE
28	041	MS	GREENE
28	043	MS	GRENADA
28	045	MS	HANCOCK
28	047	MS	HARRISON
28	049	MS	HINDS
28	051	MS	HOLMES
28	053	MS	HUMPHREYS
28	055	MS	ISSAQUENA
28	057	MS	ITAWAMBA
28	059	MS	JACKSON
28	061	MS	JASPER
28	063	MS	JEFFERSON
28	065	MS	JEFFERSON DAVIS
28	067	MS	JONES
28	069	MS	KEMPER
28	071	MS	LAFAYETTE
28	073	MS	LAMAR
28	075	MS	LAUDERDALE
28	077	MS	LAWRENCE
28	079	MS	LEAKE
28	081	MS	LEE
28	083	MS	LEFLORE
28	085	MS	LINCOLN
28	087	MS	LOWNDES
28	089	MS	MADISON
28	091	MS	MARION
28	093	MS	MARSHALL
28	095	MS	MONROE
28	097	MS	MONTGOMERY
28	099	MS	NESHOBA
28	101	MS	NEWTON
28	103	MS	NOXUBEE
28	105	MS	OKTIBBEHA
28	107	MS	PANOLA
28	109	MS	PEARL RIVER
28	111	MS	PERRY
28	113	MS	PIKE
28	115	MS	PONTOTOC
28	117	MS	PRENTISS
28	119	MS	QUITMAN
28	121	MS	RANKIN
28	123	MS	SCOTT
28	125	MS	SHARKEY
28	127	MS	SIMPSON
28	129	MS	SMITH
28	131	MS	STONE
28	133	MS	SUNFLOWER
28	135	MS	TALLAHATCHIE
28	137	MS	TATE
28	139	MS	TIPPAH
28	141	MS	TISHOMINGO
28	143	MS	TUNICA
28	145	MS	UNION

FIPS St	FIPS Cnty	State Abbrv	County Name
28	147	MS	WALTHALL
28	149	MS	WARREN
28	151	MS	WASHINGTON
28	153	MS	WAYNE
28	155	MS	WEBSTER
28	157	MS	WILKINSON
28	159	MS	WINSTON
28	161	MS	YALOBUSHA
28	163	MS	YAZOO
MISSOURI			
29	000	MO	*STATE TOTAL*
29	001	MO	ADAIR
29	003	MO	ANDREW
29	005	MO	ATCHISON
29	007	MO	AUDRAIN
29	009	MO	BARRY
29	011	MO	BARTON
29	013	MO	BATES
29	015	MO	BENTON
29	017	MO	BOLLINGER
29	019	MO	BOONE
29	021	MO	BUCHANAN
29	023	MO	BUTLER
29	025	MO	CALDWELL
29	027	MO	CALLAWAY
29	029	MO	CAMDEN
29	031	MO	CAPE GIRARDEAU
29	033	MO	CARROLL
29	035	MO	CARTER
29	037	MO	CASS
29	039	MO	CEDAR
29	041	MO	CHARITON
29	043	MO	CHRISTIAN
29	045	MO	CLARK
29	047	MO	CLAY
29	049	MO	CLINTON
29	051	MO	COLE
29	053	MO	COOPER
29	055	MO	CRAWFORD
29	057	MO	DADE
29	059	MO	DALLAS
29	061	MO	DAVIESS
29	063	MO	DEKALB
29	065	MO	DENT
29	067	MO	DOUGLAS
29	069	MO	DUNKLIN
29	071	MO	FRANKLIN
29	073	MO	GASCONADE
29	075	MO	GENTRY
29	077	MO	GREENE
29	079	MO	GRUNDY
29	081	MO	HARRISON
29	083	MO	HENRY
29	085	MO	HICKORY
29	087	MO	HOLT
29	089	MO	HOWARD
29	091	MO	HOWELL
29	093	MO	IRON
29	095	MO	JACKSON
29	097	MO	JASPER
29	099	MO	JEFFERSON
29	101	MO	JOHNSON
29	103	MO	KNOX
29	105	MO	LACLEDE
29	107	MO	LAFAYETTE
29	109	MO	LAWRENCE
29	111	MO	LEWIS
29	113	MO	LINCOLN
29	115	MO	LINN
29	117	MO	LIVINGSTON
29	119	MO	MCDONALD
29	121	MO	MACON
29	123	MO	MADISON
29	125	MO	MARIES
29	127	MO	MARION
29	129	MO	MERCER
29	131	MO	MILLER
29	133	MO	MISSISSIPPI
29	135	MO	MONITEAU
29	137	MO	MONROE
29	139	MO	MONTGOMERY

FIPS St	FIPS Cnty	State Abbrv	County Name
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
30	067	MT	PARK

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

FIPS St	FIPS Cnty	State Abbrv	County Name
31	113	NE	LOGAN
31	115	NE	LOUP
31	117	NE	MCPHERSON
31	119	NE	MADISON
31	121	NE	MERRICK
31	123	NE	MORRILL
31	125	NE	NANCE
31	127	NE	NEMAHA
31	129	NE	NUCKOLLS
31	131	NE	OTOE
31	133	NE	PAWNEE
31	135	NE	PERKINS
31	137	NE	PHELPS
31	139	NE	PIERCE
31	141	NE	PLATTE
31	143	NE	POLK
31	145	NE	RED WILLOW
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			
32	000	NV	*STATE TOTAL*
32	001	NV	CHURCHILL
32	003	NV	CLARK
32	005	NV	DOUGLAS
32	007	NV	ELKO
32	009	NV	ESMERALDA
32	011	NV	EUREKA
32	013	NV	HUMBOLDT
32	015	NV	LANDER
32	017	NV	LINCOLN
32	019	NV	LYON
32	021	NV	MINERAL
32	023	NV	NYE
32	027	NV	PERSHING
32	029	NV	STOREY
32	031	NV	WASHOE
32	033	NV	WHITE PINE
32	510	NV	CARSON CITY
NEW HAMPSHIRE			
33	000	NH	*STATE TOTAL*
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	*STATE TOTAL*
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
34	015	NJ	GLOUCESTER
34	017	NJ	HUDSON

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

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

FIPS St	FIPS Cnty	State Abbrv	County Name
37	097	NC	IREDELL
37	099	NC	JACKSON
37	101	NC	JOHNSTON
37	103	NC	JONES
37	105	NC	LEE
37	107	NC	LENOIR
37	109	NC	LINCOLN
37	111	NC	MCDOWE
37	113	NC	MACON
37	115	NC	MADISON
37	117	NC	MARTIN
37	119	NC	MECKLENBURG
37	121	NC	MITCHELL
37	123	NC	MONTGOMERY
37	125	NC	MOORE
37	127	NC	NASH
37	129	NC	NEW HANOVER
37	131	NC	NORTHAMPTON
37	133	NC	ONSLOW
37	135	NC	ORANGE
37	137	NC	PAMLICO
37	139	NC	PASQUOTANK
37	141	NC	PENDER
37	143	NC	PERQUIMANS
37	145	NC	PERSON
37	147	NC	PITT
37	149	NC	POLK
37	151	NC	RANDOLPH
37	153	NC	RICHMOND
37	155	NC	ROBESON
37	157	NC	ROCKINGHAM
37	159	NC	ROWAN
37	161	NC	RUTHERFORD
37	163	NC	SAMPSON
37	165	NC	SCOTLAND
37	167	NC	STANLY
37	169	NC	STOKES
37	171	NC	SURRY
37	173	NC	SWAIN
37	175	NC	TRANSYLVANIA
37	177	NC	TYRRELL
37	179	NC	UNION
37	181	NC	VANCE
37	183	NC	WAKE
37	185	NC	WARREN
37	187	NC	WASHINGTON
37	189	NC	WATAUGA
37	191	NC	WAYNE
37	193	NC	WILKES
37	195	NC	WILSON
37	197	NC	YADKIN
37	199	NC	YANCEY
NORTH DAKOTA			
38	000	ND	*STATE TOTAL*
38	001	ND	ADAMS
38	003	ND	BARNES
38	005	ND	BENSON
38	007	ND	BILLINGS
38	009	ND	BOTTINEAU
38	011	ND	BOWMAN
38	013	ND	BURKE
38	015	ND	BURLEIGH
38	017	ND	CASS
38	019	ND	CAVALIER
38	021	ND	DICKEY
38	023	ND	DIVIDE
38	025	ND	DUNN
38	027	ND	EDDY
38	029	ND	EMMONS
38	031	ND	FOSTER
38	033	ND	GOLDEN VALLEY
38	035	ND	GRAND FORKS
38	037	ND	GRANT
38	039	ND	GRIGGS
38	041	ND	HETTINGER
38	043	ND	KIDDER
38	045	ND	LAMOURE
38	047	ND	LOGAN
38	049	ND	MCHENRY
38	051	ND	MCINTOSH
38	053	ND	MCKENZIE

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

FIPS St	FIPS Cnty	State Abbrv	County Name
39	107	OH	MERCER
39	109	OH	MIAMI
39	111	OH	MONROE
39	113	OH	MONTGOMERY
39	115	OH	MORGAN
39	117	OH	MORROW
39	119	OH	MUSKINGUM
39	121	OH	NOBLE
39	123	OH	OTTAWA
39	125	OH	PAULDING
39	127	OH	PERRY
39	129	OH	PICKAWAY
39	131	OH	PIKE
39	133	OH	PORTAGE
39	135	OH	PREBLE
39	137	OH	PUTNAM
39	139	OH	RICHLAND
39	141	OH	ROSS
39	143	OH	SANDUSKY
39	145	OH	SCIOTO
39	147	OH	SENECA
39	149	OH	SHELBY
39	151	OH	STARK
39	153	OH	SUMMIT
39	155	OH	TRUMBULL
39	157	OH	TUSCARAWAS
39	159	OH	UNION
39	161	OH	VAN WERT
39	163	OH	VINTON
39	165	OH	WARREN
39	167	OH	WASHINGTON
39	169	OH	WAYNE
39	171	OH	WILLIAMS
39	173	OH	WOOD
39	175	OH	WYANDOT
OKLAHOMA			
40	000	OK	*STATE TOTAL*
40	001	OK	ADAIR
40	003	OK	ALFALFA
40	005	OK	ATOKA
40	007	OK	BEAVER
40	009	OK	BECKHAM
40	011	OK	BLAINE
40	013	OK	BRYAN
40	015	OK	CADDO
40	017	OK	CANADIAN
40	019	OK	CARTER
40	021	OK	CHEROKEE
40	023	OK	CHOCTAW
40	025	OK	CIMARRON
40	027	OK	CLEVELAND
40	029	OK	COAL
40	031	OK	COMANCHE
40	033	OK	COTTON
40	035	OK	CRAIG
40	037	OK	CREEK
40	039	OK	CUSTER
40	041	OK	DELAWARE
40	043	OK	DEWEY
40	045	OK	ELLIS
40	047	OK	GARFIELD
40	049	OK	GARVIN
40	051	OK	GRADY
40	053	OK	GRANT
40	055	OK	GREER
40	057	OK	HARMON
40	059	OK	HARPER
40	061	OK	HASKELL
40	063	OK	HUGHES
40	065	OK	JACKSON
40	067	OK	JEFFERSON
40	069	OK	JOHNSTON
40	071	OK	KAY
40	073	OK	KINGFISHER
40	075	OK	KIOWA
40	077	OK	LATIMER
40	079	OK	LE FLORE
40	081	OK	LINCOLN
40	083	OK	LOGAN
40	085	OK	LOVE
40	087	OK	MCCLAIN

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

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

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

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

FIPS St	FIPS Cnty	State Abbrv	County Name
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
48	077	TX	CLAY
48	079	TX	COCHRAN
48	081	TX	COKE

FIPS St	FIPS Cnty	State Abbrv	County Name
48	083	TX	COLEMAN
48	085	TX	COLLIN
48	087	TX	COLLINGSWORTH
48	089	TX	COLORADO
48	091	TX	COMAL
48	093	TX	COMANCHE
48	095	TX	CONCHO
48	097	TX	COOKE
48	099	TX	CORYELL
48	101	TX	COTTLE
48	103	TX	CRANE
48	105	TX	CROCKETT
48	107	TX	CROSBY
48	109	TX	CULBERSON
48	111	TX	DALLAM
48	113	TX	DALLAS
48	115	TX	DAWSON
48	117	TX	DEAF SMITH
48	119	TX	DELTA
48	121	TX	DENTON
48	123	TX	DEWITTDEWITT
48	125	TX	DICKENS
48	127	TX	DIMMIT
48	129	TX	DONLEY
48	131	TX	DUVAL
48	133	TX	EASTLAND
48	135	TX	ECTOR
48	137	TX	EDWARDS
48	139	TX	ELLIS
48	141	TX	EL PASO
48	143	TX	ERATH
48	145	TX	FALLS
48	147	TX	FANNIN
48	149	TX	FAYETTE
48	151	TX	FISHER
48	153	TX	FLOYD
48	155	TX	FOARD
48	157	TX	FORT BEND
48	159	TX	FRANKLIN
48	161	TX	FREESTONE
48	163	TX	FRIO
48	165	TX	GAINES
48	167	TX	GALVESTON
48	169	TX	GARZA
48	171	TX	GILLESPIE
48	173	TX	GLASSCOCK
48	175	TX	GOLIAD
48	177	TX	GONZALES
48	179	TX	GRAY
48	181	TX	GRAYSON
48	183	TX	GREGG
48	185	TX	GRIMES
48	187	TX	GUADALUPE
48	189	TX	HALE
48	191	TX	HALL
48	193	TX	HAMILTON
48	195	TX	HANSFORD
48	197	TX	HARDEMAN
48	199	TX	HARDIN
48	201	TX	HARRIS
48	203	TX	HARRISON
48	205	TX	HARTLEY
48	207	TX	HASKELL
48	209	TX	HAYS
48	211	TX	HEMPHILL
48	213	TX	HENDERSON
48	215	TX	HIDALGO
48	217	TX	HILL
48	219	TX	HOCKLEY
48	221	TX	HOOD
48	223	TX	HOPKINS
48	225	TX	HOUSTON
48	227	TX	HOWARD
48	229	TX	HUDSPETH
48	231	TX	HUNT
48	233	TX	HUTCHINSON
48	235	TX	IRION
48	237	TX	JACK
48	239	TX	JACKSON
48	241	TX	JASPER
48	243	TX	JEFF DAVIS
48	245	TX	JEFFERSON

FIPS St	FIPS Cnty	State Abbrv	County Name
48	247	TX	JIM HOGG
48	249	TX	JIM WELLS
48	251	TX	JOHNSON
48	253	TX	JONES
48	255	TX	KARNES
48	257	TX	KAUFMAN
48	259	TX	KENDALL
48	261	TX	KENEDY
48	263	TX	KENT
48	265	TX	KERR
48	267	TX	KIMBLE
48	269	TX	KING
48	271	TX	KINNEY
48	273	TX	KLEBERG
48	275	TX	KNOX
48	277	TX	LAMAR
48	279	TX	LAMB
48	281	TX	LAMPASAS
48	283	TX	LA SALLE
48	285	TX	LAVACA
48	287	TX	LEE
48	289	TX	LEON
48	291	TX	LIBERTY
48	293	TX	LIMESTONE
48	295	TX	LIPSCOMB
48	297	TX	LIVE OAK
48	299	TX	LLANO
48	301	TX	LOVING
48	303	TX	LUBBOCK
48	305	TX	LYNN
48	307	TX	MCCULLOCH
48	309	TX	MCLENNAN
48	311	TX	MCMULLEN
48	313	TX	MADISON
48	315	TX	MARION
48	317	TX	MARTIN
48	319	TX	MASON
48	321	TX	MATAGORDA
48	323	TX	MAVERICK
48	325	TX	MEDINA
48	327	TX	MENARD
48	329	TX	MIDLAND
48	331	TX	MILAM
48	333	TX	MILLS
48	335	TX	MITCHELL
48	337	TX	MONTAGUE
48	339	TX	MONTGOMERY
48	341	TX	MOORE
48	343	TX	MORRIS
48	345	TX	MOTLEY
48	347	TX	NACOGDOCHES
48	349	TX	NAVARRO
48	351	TX	NEWTON
48	353	TX	NOLAN
48	355	TX	NUECES
48	357	TX	OCHILTREE
48	359	TX	OLDHAM
48	361	TX	ORANGE
48	363	TX	PALO PINTO
48	365	TX	PANOLA
48	367	TX	PARKER
48	369	TX	PARMER
48	371	TX	PECOS
48	373	TX	POLK
48	375	TX	POTTER
48	377	TX	PRESIDIO
48	379	TX	RAINS
48	381	TX	RANDALL
48	383	TX	REAGAN
48	385	TX	REAL
48	387	TX	RED RIVER
48	389	TX	REEVES
48	391	TX	REFUGIO
48	393	TX	ROBERTS
48	395	TX	ROBERTSON
48	397	TX	ROCKWALL
48	399	TX	RUNNELS
48	401	TX	RUSK
48	403	TX	SABINE
48	405	TX	SAN AUGUSTINE
48	407	TX	SAN JACINTO
48	409	TX	SAN PATRICIO

FIPS St	FIPS Cnty	State Abbrv	County Name
48	411	TX	SAN SABA
48	413	TX	SCHLEICHER
48	415	TX	SCURRY
48	417	TX	SHACKELFORD
48	419	TX	SHELBY
48	421	TX	SHERMAN
48	423	TX	SMITH
48	425	TX	SOMERVELL
48	427	TX	STARR
48	429	TX	STEPHENS
48	431	TX	STERLING
48	433	TX	STONEWALL
48	435	TX	SUTTON
48	437	TX	SWISHER
48	439	TX	TARRANT
48	441	TX	TAYLOR
48	443	TX	TERRELL
48	445	TX	TERRY
48	447	TX	THROCKMORTON
48	449	TX	TITUS
48	451	TX	TOM GREEN
48	453	TX	TRAVIS
48	455	TX	TRINITY
48	457	TX	TYLER
48	459	TX	UPSHUR
48	461	TX	UPTON
48	463	TX	UVALDE
48	465	TX	VAL VERDE
48	467	TX	VAN ZANDT
48	469	TX	VICTORIA
48	471	TX	WALKER
48	473	TX	WALLER
48	475	TX	WARD
48	477	TX	WASHINGTON
48	479	TX	WEBB
48	481	TX	WHARTON
48	483	TX	WHEELER
48	485	TX	WICHITA
48	487	TX	WILBARGER
48	489	TX	WILLACY
48	491	TX	WILLIAMSON
48	493	TX	WILSON
48	495	TX	WINKLER
48	497	TX	WISE
48	499	TX	WOOD
48	501	TX	YOAKUM
48	503	TX	YOUNG
48	505	TX	ZAPATA
48	507	TX	ZAVALA
UTAH			
49	000	UT	*STATE TOTAL*
49	001	UT	BEAVER
49	003	UT	BOX ELDER
49	005	UT	CACHE
49	007	UT	CARBON
49	009	UT	DAGGETT
49	011	UT	DAVIS
49	013	UT	DUCHESSE
49	015	UT	EMERY
49	017	UT	GARFIELD
49	019	UT	GRAND
49	021	UT	IRON
49	023	UT	JUAB
49	025	UT	KANE
49	027	UT	MILLARD
49	029	UT	MORGAN
49	031	UT	PIUTE
49	033	UT	RICH
49	035	UT	SALT LAKE
49	037	UT	SAN JUAN
49	039	UT	SANPETE
49	041	UT	SEVIER
49	043	UT	SUMMIT
49	045	UT	TOOELE
49	047	UT	UINTAH
49	049	UT	UTAH
49	051	UT	WASATCH
49	053	UT	WASHINGTON
49	055	UT	WAYNE
49	057	UT	WEBER

FIPS St	FIPS Cnty	State Abbrv	County Name
VERMONT			
50	000	VT	*STATE TOTAL*
50	001	VT	ADDISON
50	003	VT	BENNINGTON
50	005	VT	CALEDONIA
50	007	VT	CHITTENDEN
50	009	VT	ESSEX
50	011	VT	FRANKLIN
50	013	VT	GRAND ISLE
50	015	VT	LAMOILLE
50	017	VT	ORANGE
50	019	VT	ORLEANS
50	021	VT	RUTLAND
50	023	VT	WASHINGTON
50	025	VT	WINDHAM
50	027	VT	WINDSOR
VIRGINIA			
51	000	VA	*STATE TOTAL*
51	001	VA	ACCOMACK
51	003	VA	ALBEMARLE
51	005	VA	ALLEGHANY
51	007	VA	AMELIA
51	009	VA	AMHERST
51	011	VA	APPOMATTOX
51	013	VA	ARLINGTON
51	015	VA	AUGUSTA
51	017	VA	BATH
51	019	VA	BEDFORD
51	021	VA	BLAND
51	023	VA	BOTETOURT
51	025	VA	BRUNSWICK
51	027	VA	BUCHANAN
51	029	VA	BUCKINGHAM
51	031	VA	CAMPBELL
51	033	VA	CAROLINE
51	035	VA	CARROLL
51	036	VA	CHARLES CITY
51	037	VA	CHARLOTTE
51	041	VA	CHESTERFIELD
51	043	VA	CLARKE
51	045	VA	CRAIG
51	047	VA	CULPEPER
51	049	VA	CUMBERLAND
51	051	VA	DICKENSON
51	053	VA	DINWIDDIE
51	057	VA	ESSEX
51	059	VA	FAIRFAX
51	061	VA	FAUQUIER
51	063	VA	FLOYD
51	065	VA	FLUVANNA
51	067	VA	FRANKLIN
51	069	VA	FREDERICK
51	071	VA	GILES
51	073	VA	GLOUCESTER
51	075	VA	GOOCHLAND
51	077	VA	GRAYSON
51	079	VA	GREENE
51	081	VA	GREENSVILLE
51	083	VA	HALIFAX
51	085	VA	HANOVER
51	087	VA	HENRICO
51	089	VA	HENRY
51	091	VA	HIGHLAND
51	093	VA	ISLE OF WIGHT
51	095	VA	JAMES CITY
51	097	VA	KING AND QUEEN
51	099	VA	KING GEORGE
51	101	VA	KING WILLIAM
51	103	VA	LANCASTER
51	105	VA	LEE
51	107	VA	LOUDOUN
51	109	VA	LOUISA
51	111	VA	LUNENBURG
51	113	VA	MADISON
51	115	VA	MATHEWS
51	117	VA	MECKLENBURG
51	119	VA	MIDDLESEX
51	121	VA	MONTGOMERY
51	125	VA	NELSON
51	127	VA	NEW KENT
51	131	VA	NORTHAMPTON

FIPS St	FIPS Cnty	State Abbrv	County Name
51	133	VA	NORTHUMBERLAND
51	135	VA	NOTTOWAY
51	137	VA	ORANGE
51	139	VA	PAGE
51	141	VA	PATRICK
51	143	VA	PITTSYLVANIA
51	145	VA	POWHATAN
51	147	VA	PRINCE EDWARD
51	149	VA	PRINCE GEORGE
51	153	VA	PRINCE WILLIAM
51	155	VA	PULASKI
51	157	VA	RAPPAHANNOCK
51	159	VA	RICHMOND
51	161	VA	ROANOKE
51	163	VA	ROCKBRIDGE
51	165	VA	ROCKINGHAM
51	167	VA	RUSSELL
51	169	VA	SCOTT
51	171	VA	SHENANDOAH
51	173	VA	SMYTH
51	175	VA	SOUTHAMPTON
51	177	VA	SPOTSYLVANIA
51	179	VA	STAFFORD
51	181	VA	SURRY
51	183	VA	SUSSEX
51	185	VA	TAZEWELL
51	187	VA	WARREN
51	191	VA	WASHINGTON
51	193	VA	WESTMORELAND
51	195	VA	WISE
51	197	VA	WYTHE
51	199	VA	YORK
51	510	VA	ALEXANDRIA CITY
51	515	VA	BEDFORD CITY
51	520	VA	BRISTOL CITY
51	530	VA	BUENA VISTA CITY
51	540	VA	CHARLOTTESVILLE CITY
51	550	VA	CHESAPEAKE CITY
51	560	VA	CLIFTON FORGE CITY
51	570	VA	COLONIAL HEIGHTS CITY
51	580	VA	COVINGTON CITY
51	590	VA	DANVILLE CITY
51	595	VA	EMPORIA CITY
51	600	VA	FAIRFAX CITY
51	610	VA	FALLS CHURCH CITY
51	620	VA	FRANKLIN CITY
51	630	VA	FREDERICKSBURG CITY
51	640	VA	GALAX CITY
51	650	VA	HAMPTON CITY
51	660	VA	HARRISONBURG CITY
51	670	VA	HOPEWELL CITY
51	678	VA	LEXINGTON CITY
51	680	VA	LYNCHBURG CITY
51	683	VA	MANASSAS CITY
51	685	VA	MANASSAS PARK CITY
51	690	VA	MARTINSVILLE CITY
51	700	VA	NEWPORT NEWS CITY
51	710	VA	NORFOLK CITY
51	720	VA	NORTON CITY
51	730	VA	PETERSBURG CITY
51	735	VA	POQUOSON CITY
51	740	VA	PORTSMOUTH CITY
51	750	VA	RADFORD CITY
51	760	VA	RICHMOND CITY
51	770	VA	ROANOKE CITY
51	775	VA	SALEM CITY
51	790	VA	STAUNTON CITY
51	800	VA	SUFFOLK CITY
51	810	VA	VIRGINIA BEACH CITY
51	820	VA	WAYNESBORO CITY
51	830	VA	WILLIAMSBURG CITY
51	840	VA	WINCHESTER CITY
WASHINGTON			
53	000	WA	*STATE TOTAL*
53	001	WA	ADAMS
53	003	WA	ASOTIN
53	005	WA	BENTON
53	007	WA	CHELAN
53	009	WA	CLALLAM
53	011	WA	CLARK
53	013	WA	COLUMBIA

FIPS St	FIPS Cnty	State Abbrv	County Name
53	015	WA	COWLITZ
53	017	WA	DOUGLAS
53	019	WA	FERRY
53	021	WA	FRANKLIN
53	023	WA	GARFIELD
53	025	WA	GRANT
53	027	WA	GRAYS HARBOR
53	029	WA	ISLAND
53	031	WA	JEFFERSON
53	033	WA	KING
53	035	WA	KITSAP
53	037	WA	KITTITAS
53	039	WA	KLICKITAT
53	041	WA	LEWIS
53	043	WA	LINCOLN
53	045	WA	MASON
53	047	WA	OKANOGAN
53	049	WA	PACIFIC
53	051	WA	PEND OREILLE
53	053	WA	PIERCE
53	055	WA	SAN JUAN
53	057	WA	SKAGIT
53	059	WA	SKAMANIA
53	061	WA	SNOHOMISH
53	063	WA	SPOKANE
53	065	WA	STEVENS
53	067	WA	THURSTON
53	069	WA	WAHKIAKUM
53	071	WA	WALLA WALLA
53	073	WA	WHATCOM
53	075	WA	WHITMAN
53	077	WA	YAKIMA
WEST VIRGINIA			
54	000	WV	*STATE TOTAL*
54	001	WV	BARBOUR
54	003	WV	BERKELEY
54	005	WV	BOONE
54	007	WV	BRAXTON
54	009	WV	BROOKE
54	011	WV	CABELL
54	013	WV	CALHOUN
54	015	WV	CLAY
54	017	WV	DODDRIDGE
54	019	WV	FAYETTE
54	021	WV	GILMER
54	023	WV	GRANT
54	025	WV	GREENBRIER
54	027	WV	HAMPSHIRE
54	029	WV	HANCOCK
54	031	WV	HARDY
54	033	WV	HARRISON
54	035	WV	JACKSON
54	037	WV	JEFFERSON
54	039	WV	KANAWHA
54	041	WV	LEWIS
54	043	WV	LINCOLN
54	045	WV	LOGAN
54	047	WV	MCDOWELL
54	049	WV	MARION
54	051	WV	MARSHALL
54	053	WV	MASON
54	055	WV	MERCER
54	057	WV	MINERAL
54	059	WV	MINGO
54	061	WV	MONONGALIA
54	063	WV	MONROE
54	065	WV	MORGAN
54	067	WV	NICHOLAS
54	069	WV	OHIO
54	071	WV	PENDLETON
54	073	WV	PLEASANTS
54	075	WV	POCAHONTAS
54	077	WV	PRESTON
54	079	WV	PUTNAM
54	081	WV	RALEIGH
54	083	WV	RANDOLPH
54	085	WV	RITCHIE
54	087	WV	ROANE
54	089	WV	SUMMERS
54	091	WV	TAYLOR
54	093	WV	TUCKER

FIPS St	FIPS Cnty	State Abbrv	County Name
54	095	WV	TYLER
54	097	WV	UPSHUR
54	099	WV	WAYNE
54	101	WV	WEBSTER
54	103	WV	WETZEL
54	105	WV	WIRT
54	107	WV	WOOD
54	109	WV	WYOMING
WISCONSIN			
55	000	WI	*STATE TOTAL*
55	001	WI	ADAMS
55	003	WI	ASHLAND
55	005	WI	BARRON
55	007	WI	BAYFIELD
55	009	WI	BROWN
55	011	WI	BUFFALO
55	013	WI	BURNETT
55	015	WI	CALUMET
55	017	WI	CHIPPEWA
55	019	WI	CLARK
55	021	WI	COLUMBIA
55	023	WI	CRAWFORD
55	025	WI	DANE
55	027	WI	DODGE
55	029	WI	DOOR
55	031	WI	DOUGLAS
55	033	WI	DUNN
55	035	WI	EAU CLAIRE
55	037	WI	FLORENCE
55	039	WI	FOND DU LAC
55	041	WI	FOREST
55	043	WI	GRANT
55	045	WI	GREEN
55	047	WI	GREEN LAKE
55	049	WI	IOWA
55	051	WI	IRON
55	053	WI	JACKSON
55	055	WI	JEFFERSON
55	057	WI	JUNEAU
55	059	WI	KENOSHA
55	061	WI	KEWAUNEE
55	063	WI	LA CROSSE
55	065	WI	LAFAYETTE
55	067	WI	LANGLADE
55	069	WI	LINCOLN
55	071	WI	MANITOWOC
55	073	WI	MARATHON
55	075	WI	MARINETTE
55	077	WI	MARQUETTE
55	078	WI	MENOMINEE
55	079	WI	MILWAUKEE
55	081	WI	MONROE
55	083	WI	OCONTO
55	085	WI	ONEIDA
55	087	WI	OUTAGAMIE
55	089	WI	OZAUKEE
55	091	WI	PEPIN
55	093	WI	PIERCE
55	095	WI	POLK
55	097	WI	PORTAGE
55	099	WI	PRICE
55	101	WI	RACINE
55	103	WI	RICHLAND
55	105	WI	ROCK
55	107	WI	RUSK
55	109	WI	ST. CROIX
55	111	WI	SAUK
55	113	WI	SAWYER
55	115	WI	SHAWANO
55	117	WI	SHEBOYGAN
55	119	WI	TAYLOR
55	121	WI	TREMPEALEAU
55	123	WI	VERNON
55	125	WI	VILAS
55	127	WI	WALWORTH
55	129	WI	WASHBURN
55	131	WI	WASHINGTON
55	133	WI	WAUKESHA
55	135	WI	WAUPACA
55	137	WI	WAUSHARA
55	139	WI	WINNEBAGO

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

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