Compressed Mortality File 1999-2011

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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 1968-2011 and is divided into four parts: 1968-78, 1979-88, 1989-98, and 1999-2011. 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 1999-2011 Series 20 No. 2Q). 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 1999-2011: white, black, American Indian or Alaska Native, and Asian or Pacific Islander), 4) sex, 5) Hispanic origin (for 1999-2011 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 1999-2011. 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 National Center for Health Statistics (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 National Association of Public Health Statistics Information Systems (NAPHSIS) and NCHS review for approval of proposed use.

The Public Health Service Act (42 U.S.C. 242m(d) provides that the data collected by 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 statutorilybased 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".

<u>Contact information for OAE</u> National Center for Health Statistics Office of Analysis and Epidemiology, Room 6219 3311 Toledo Rd. Hyattsville, MD 20782 301-458-4242 Email: IRosen@cdc.gov

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 1999-2011)

When cited in a bibliography, the citation should read:

National Center for Health Statistics. Compressed Mortality File, 1999-2011 (machine readable data file and documentation, CD-ROM Series 20, No. 2Q) as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Hyattsville, Maryland. 2014.

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 1999-2011

The following changes have been implemented for the 1999-2011 Compressed Mortality File (CMF 1999-2011, CD-ROM Series 20, No. 2Q):

- 1. Mortality and population data for 2011 have been added to the file.
- 2. National population estimates for 2011 from the Vintage 2011 postcensal series of estimates have been added.
- 3. State and county population estimates for 2011 from the Vintage 2013 postcensal series of estimates have been added.
- 4. Note that population estimates for 1999-2010 on the CMF 1999-2011 file are identical to those on the CMF 1999-2010 file.

V. Description of the Mortality File

Mortality data on the 1999-2011 CMF mortality file are based on information from all death certificates filed in the 50 states and the District of Columbia during 1999-2011, 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 (1-13). 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* (1-13). 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 the World Health Organization (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" (14). 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-present, 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) (in 2004, the second edition of the Tenth Revision was adopted) (14, 15). 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 for ICD-10 to ICD-9 are available for selected causes of death (16). For additional information see **Appendix B**.

3. **Race and Hispanic origin reporting.** 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) (17, 18). 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. Multiple race reporting: 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) (17, 19). 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 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) (18, 20).

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 (6-13). 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 (21). 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 (1-4).

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 (New Hampshire) 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). Twenty-one states and the District of Columbia reported multiple races on the revised death certificate for the entire 2006 data year.. 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). In 2007, 23 states and the District of Columbia reported multiple races on the revised death certificate. 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, 30 states and the district of Columbia reported multiple races on the revised death

certificate). 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 (11).

For 2010 mortality data, four additional states used the revised death certificate (Arizona, Kentucky, Maine, and Missouri) (12). In 2010, 34 states and the District of Columbia reported multiple races on the revised death certificate. Three states (Hawaii, Minnesota, and Wisconsin) continued to report multiple races on the unrevised certificate. Thirteen states reported single race on the unrevised certificate.

For 2011 mortality data, two additional states (lowa and Minnesota) used the 2003 revision of the Standard Certificate of Death (13). Thirty-six states and the District of Columbia reported multiple races on the revised certificate. Two states (Hawaii and Wisconsin) continued to report multiple races on the unrevised certificate. Twelve states reported single race on the unrevised certificate.

6. **Inconsistencies in race and Hispanic origin reporting**. Death rates for Hispanic, AIAN, and API persons should be interpreted with caution because of inconsistencies in reporting race on death certificates compared with such reporting on censuses, surveys, and birth certificates. 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 underreporting on death certificates of AIAN, API, and Hispanic decedents, as well as undercounts of these groups in censuses (22-24).

7. Added and deleted ICD-10 codes. An innovation in ICD-10 is that the classification is updated between revisions. Changes associated with these updates are discussed in the Technical Notes of each annual report(1-13); additional detail is available from: http:// www.who.int/classifications/icd/icd10updates/en/index.html. These changes may affect comparability of data between years for causes of death. Some of the changes are listed below:

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).

Additionally, due to growing concerns about the number of deaths from Enterocolitis due to *Clostridium difficile* (ICD–10 code A04.7), beginning in 2006, *C. difficile* deaths are included separately as a rankable cause of death in tables showing data for 113 selected causes of death.

- 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).
- 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 (11).
- **2011**. Beginning with data for 2011, NCHS added 39 new WHO ICD-10 codes (28): B17.9, Acute viral hepatitis, unspecified; D68.5, Primary thrombophilia; D68.6, Other thrombophilia; D89.3, Immune reconstitution syndrome; E88.3, Tumor lysis syndrome; G14, Postpolio syndrome; G21.4, Vascular parkinsonism; H54.9, Unspecified visual impairment (binocular); I72.5, Aneurysm and dissection of other precerebral arteries; J12.3, Human metapneumovirus pneumonia: J21.1. Acute bronchiolitis due to human metapneumovirus: K12.3. Oral mucositis (ulcerative); K35.2, Acute appendicitis with generalized peritonitis; K35.3, Acute appendicitis with localized peritonitis; K35.8, Acute appendicitis, other and unspecified; L89.0, Stage I decubitus ulcer and pressure area; L89.1, Stage II decubitus ulcer; L89.2, Stage III decubitus ulcer; L89.3, Stage IV decubitus ulcer; L89.9, Decubitus ulcer and pressure area, unspecified; N18.1, Chronic kidney disease, stage 1; N18.2, Chronic kidney disease, stage 2; N18.3, Chronic kidney disease, stage 3; N18.4, Chronic kidney disease, stage 4; N18.5, Chronic kidney disease, stage 5; N42.3, Dysplasia of prostate; O14.2, HELLP syndrome; O43.2, Morbidly

adherent placenta; O96.0, Death from direct obstetric cause; O96.1, Death from indirect obstetric cause; O96.9, Death from unspecified obstetric cause; O97.0, Death from sequelae of direct obstetric cause; O97.1, Death from sequelae of indirect obstetric cause; O97.9, Death from sequelae of obstetric cause; O97.9, Death from sequelae of obstetric cause, unspecified; O98.7, Human immunodeficiency (HIV) disease complicating pregnancy, childbirth and the puerperium; X34.0, Victim of cataclysmic earth movements caused by earthquake; X34.1, Victim of tsunami; X34.8, Victim of other specified effects of earthquake; and X34.9, Victim of unspecified effect of earthquake (13).

Beginning with data for 2011, NCHS deleted six WHO ICD–10 codes (28): H54.7, Unspecified visual loss; K35.0, Acute appendicitis with generalized peritonitis; K35.1, Acute appendicitis with peritoneal abscess; K35.9, Acute appendicitis, unspecified; N18.0, End stage renal diseases; and N18.8, Other chronic renal failure.

Additional detail on ICD-10 updates can be found at http:// www.who.int/classifications/icd/icd10updates/en/index.html. These changes may affect comparability of data between years for causes of death.

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. **Deaths for Allen Parish, Louisiana**. In 2006 and 2007, deaths for Allen parish, LA (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. **Leading zeros in FIPS codes.** The state and county FIPS codes contain leading zeros in both the 2-byte state code and the 3-byte county code.

File name		Years	Number of records	Record Length	Format
MORT99	11.txt 19	999-2011	14,829,580	24	ASCII
The file is			1-5, 10, 11-12, 13-16.		
Location	Field Size	Item and Code Outline			Format
1-2 3-5	2 3	<u>FIPS Codes</u> (See Appendie FIPS state coo FIPS county c	de		Numeric Numeric
6-9	4	Year of death	(1999-2011)		Numeric
10	1	6 American I7 Asian or Pa			Numeric
11	1	Hispanic origin 1 not Hispan 2 Hispanic of 9 not stated	ic or Latino		Numeric
12-13	2	Age at death 01 under 1 d 02 1-6 days 03 7-27 days 04 28-364 da 05 1-4 years 06 5-9 years 07 10-14 yea 08 15-19 yea 09 20-24 yea 10 25-34 yea 11 35-44 yea 13 55-64 yea 14 65-74 yea 15 75-84 yea 16 85+ years 99 Unknown	ars ars ars ars ars ars ars ars ars ars		Numeric

File Specifications for the Mortality File

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

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 Indiar	n or Alaska Na	ative						
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, 1999-2011

Race and sex	2007	2008	2009	2010	2011		
All races							
Both sexes	2,423,712	2,471,984	2,437,163	2,468,435	2,515,458		
Male	1,203,968	1,226,197	1,217,379	1,232,432	1,254,978		
Female	1,219,744	1,245,787	1,219,784	1,236,003	1,260,480		
White							
Both sexes	2,074,151	2,120,233	2,086,355	2,114,749	2,156,077		
Male	1,023,951	1,046,183	1,037,475	1,051,514	1,071,966		
Female	1,050,200	1,074,050	1,048,880	1,063,235	1,084,111		
Black							
Both sexes	289,585	289,072	286,623	286,959	290,100		
Male	148,309	147,143	146,239	145,802	146,884		
Female	141,276	141,929	140,384	141,157	143,216		
American Indiar	n or Alaska N	Vative					
Both sexes	14,367	14,776	14,960	15,565	15,945		
Male	7,885	8,163	8,105	8,516	8,638		
Female	6,482	6,613	6,855	7,049	7,307		
Asian or Paccific Islander							
Both sexes	45,609	47,903	49,225	51,162	53,336		
Male	23,823	24,708	25,560	26,600	27,490		
Female	21,786	23,195	23,665	24,562	25,846		

Table 1 (contd.). Number of deaths, by race and sex: United States, 1999-2011

	,		0		,			
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	1,163,61
Hispanic or Lati	no							
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 state	d							
Both sexes	8,334	8,251	7,768	7,983	6,786	5,616	4,828	4,83
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, 1999-2011

Hispanic					
origin and sex	2007	2008	2009	2010	2011
All origins					
Both sexes	2,423,712	2,471,984	2,437,163	2,468,435	2,515,458
Male	1,203,968	1,226,197	1,217,379	1,232,432	1,254,978
Female	1,219,744	1,245,787	1,219,784	1,236,003	1,260,480
Not Hispanic of	or Latino				
Both sexes	2,284,446	2,327,636	2,289,999	2,318,218	2,360,643
Male	1,125,974	1,146,394	1,135,852	1,149,438	1,169,971
Female	1,158,472	1,181,242	1,154,147	1,168,780	1,190,672
Hispanic or La	itino				
Both sexes	135,519	139,241	141,576	144,490	149,635
Male	75,708	76,861	78,157	79,622	81,887
Female	59,811	62,380	63,419	64,868	67,748
Origin not spe	cified				
Both sexes	3,747	5,107	5,588	5,727	5,180
Male	2,286	2,942	3,370	3,372	3,120
Female	1,461	2,165	2,218	2,355	2,060

Table 2 (contd.). Number of deaths, by Hispanic origin and sex: United States, 1999-2011

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 (25-30). The population estimates for 1999 and 2001-2009 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 and 2010 are bridged-race postcemsal estimates of the resident population of the United States as of July 1 of the year. The population estimates for 2011 are bridged-race postcemsal estimates of the resident population of the United States as of July 1, 2011. 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 1999-2011 are derived from bridged-race population estimate files. Bridged-race population estimates were produced by the U.S. Census Bureau in collaboration with NCHS (21).

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" (21, 31, 32).

2. **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.

3. 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.

4. National, state, and county population estimates.

a. There are national, state, and county population estimates on the population file. The population file includes national, state, and county-level records even though the mortality file only has county-level records because for some years (such as postcensal years) the national, state, and county estimates may differ from each other. The national, state, and county estimates are on separate records and 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. The county FIPS codes on the population file are compatible with those on the mortality file. The codes change slightly over time.

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

d. For postcensal years (the years following a census before the next census has been taken): The national population estimates are not revised when the file is updated to include an additional year of data. This practice conforms to that of NCHS and ensures that the national population estimates on the file will be the same as those used by NCHS to calculate published death rates. By contrast, state and county postcensal population estimates are revised annually when the CMF is updated; they are from the most recent postcensal series. Therefore, for postcensal years, the state and county estimates will be consistent with each other, but will differ from the national estimates. For postcensal years, users, who wish to replicate death rates published by NCHS should use the national population estimates when calculating rates.

e. For censal years, the national, state, and county population estimates are derived from the same series of estimates and will be consistent with each other.

f. For intercensal years, the national, state, and county population estimates are derived from the same series of estimates and will be consistent with each other. Once intercensal estimates become available, they replace the postcensal estimates for the decade. The 2001-2009 postcensal estimates on earlier versions of the CMF have been replaced on this version with revised intercensal estimates.

5. 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.

6. 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 (33).

7. Source of population estimates.

Date of	Type and source of estimate				
estimate	National estimates	State, county estimates			
July 1, 1999	Bridged-race intercensal series(25)	Bridged-race intercensal series(25)			
April 1, 2000	Bridged-race modified – race census counts (26)	Bridged-race modified –race census counts (26)			
July 1, 2001- July 1, 2009	Bridged-race revised intercensal series (27)	Bridged-race revised intercensal series (27)			
April 1, 2010	Bridged-race modified – race census counts (28)	Bridged-race modified –race census counts (28)			
July 1, 2011	Bridged-race Vintage 2011 postcensal series(29)	Bridged-race Vintage 2013 postcensal series(30)			

Table 3. Sources of population data for 1999-2011, by year and type of estimate

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) (25). 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) (26). 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 (18, 34). The national and state estimates were obtained by summing the county estimates.
- 2001-2009 population estimates. National, State, and county population estimates for these years are bridged-race revised intercensal estimates of the July 1 resident population derived from the county-level series with 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) (27). The Census Bureau released the revised unbridged 2000-2010 intercensal series of estimates (five single-race groups and one group for two or more races) October 9, 2012. NCHS released the bridged-race intercensal estimates for 2000-2009 by single-year of age on October 26, 2012. The national and state estimates were obtained by summing the county estimates.
- **2010 population estimates**. National, state, and county population estimates for 2010 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) (28). 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 (18). The national and state bridged-race population estimates were obtained by summing the county estimates. NCHS released the bridged-race April 1, 2010 estimates on November 17, 2011 following release by the U.S. Census Bureau of the unbridged April 1, 2010 census counts on November 3, 2011.
- 2011 population estimates. National estimates for this year are bridged-race postcensal estimates of the July 1 resident population derived from the Vintage county-level Vintage 2011 series with 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 (29). The Census Bureau released the unbridged Vintage 2011 estimates (five single-race groups and one group for two or more races) June 13 2013. NCHS released the bridged-race Vintage 2011 estimates by single-year of age on June 26, 2013. The national estimates were obtained by summing the county estimates

State, and county population estimates for this year are bridged-race postcensal estimates of the July 1 resident population derived from the county-level Vintage 2013 series with 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) (30). The Census Bureau released the unbridged Vintage 2013 estimates (five single-race groups and one group for two or more races) June 26, 2014. NCHS released the bridged-race Vintage 2013 estimates by single-year of age on June 26, 2014. The state estimates were obtained by summing the county estimates.

File name	Years		Record length	Format
POP9910	1999-	2011 996,072	149	ASCII
The file is sorte	ed by lo	ocations 6-9, 1-5, 10, 11.		
Field Location Size		Item and Code Outline		Format
1-2 3-5	2 3	FIPS codes (See Appendices E and FIPS state code FIPS county code	F)	Numeric Numeric
6-9	4	<u>Year</u> (1999-2011)		Numeric
10	1	Race-sex1White male2White female3Black male4Black female5American Indian or Ala6American Indian or Ala7Asian or Pacific Island8Asian or Pacific Island	aska Native female ler male	Numeric
11	1	<u>Hispanic origin</u> 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:	<u>35-44 years</u>	Numeric
84-91	8	Population in age group:	45-54 years	Numeric
92-99	8	Population in age group:	55-64 years	Numeric

File Specifications for the Population File

Location	Field Size	Item and Code Outline	Format
100-107	8 <u>Popul</u>	ation 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	<u>County name</u> (See Appendix F)	Character
149	1	Record type National population record State population record County population record 	Numeric

1999-2011						
	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 Na	ative				
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 I	slander					
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 Lati	ino					
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 state	-		·	-	-	·
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. Number of live births, according to race, Hispanic origin, sex, and year: United States, 1999-2011

United States,	2005	2006	2007	2008	2009	2010
All races	2000	2000	2001	2000	2000	2010
Both sexes	4,138,349	4,265,555	4,316,233	4,247,694	4,130,665	3,999,386
Male	2,118,982	2,184,237	2,208,071	2,173,389	2,113,856	2,046,935
Female	2,019,367	2,081,318	2,108,162	2,074,305	2,016,809	1,952,451
White	2,010,000	2,001,010	2,100,102	2,01 1,000	2,010,000	1,002,101
Both sexes	3,229,294	3,310,308	3,336,626	3,274,163	3,173,293	3,069,315
Male	1,655,812	1,695,870	1,708,315	1,676,718	1,625,436	1,571,470
Female	1,573,482	1,614,438	1,628,311	1,597,445	1,547,857	1,497,845
Black	.,,	.,,	.,,_	.,,	.,,	.,,
Both sexes	633,134	666,481	675,676	670,809	657,618	636,425
Male	321,259	339,838	343,279	340,885	334,142	323,956
Female	311,875	326,643	332,397	329,924	323,476	312,469
American Indian	,		,	,	, -	,
Both sexes	44,813	47,721	49,443	49,537	48,665	46,760
Male	22,673	24,309	25,177	25,196	24,752	23,672
Female	22,140	23,412	24,266	24,341	23,913	23,088
Asian or Pacific	Islander					
Both sexes	231,108	241,045	254,488	253,185	251,089	246,886
Male	119,238	124,220	131,300	130,590	129,526	127,837
Female	111,870	116,825	123,188	122,595	121,563	119,049
All origins						
Both sexes	4,138,349	4,265,555	4,316,233	4,247,694	4,130,665	3,999,386
Male	2,118,982	2,184,237	2,208,071	2,173,389	2,113,856	2,046,935
Female	2,019,367	2,081,318	2,108,162	2,074,305	2,016,809	1,952,451
Not Hispanic or	Latino					
Both sexes	3,123,005	3,196,082	3,222,460	3,173,629	3,101,330	3,026,614
Male	1,600,186	1,637,876	1,650,061	1,624,619	1,588,162	1,551,441
Female	1,522,819	1,558,206	1,572,399	1,549,010	1,513,168	1,475,173
Hispanic or Latir	10					
Both sexes	985,505	1,039,077	1,062,779	1,041,239	999,548	945,180
Male	503,483	530,874	542,174	531,999	510,477	481,328
Female	482,022	508,203	520,605	509,240	489,071	463,852
Origin not stated	l					
Both sexes	29,839	30,396	30,994	32,826	29,787	27,592
Male	15,313	15,487	15,836	16,771	15,217	14,166
Female	14,526	14,909	15,158	16,055	14,570	13,426

Table 4 (contd.). Number of live births according to race, Hispanic origin, sex, and year: United States, 1999-2011

United States, 1	
	2011
All races	
Both sexes	3,953,590
Male	2,024,052
Female	1,929,538
White	
Both sexes	3,020,355
Male	1,547,927
Female	1,472,428
Black	, , _
Both sexes	632,901
Male	321,666
Female	311,235
American Indian	,
Native	
Both sexes	46,419
Male	23,730
Female	22,689
Asian or Pacific I	slander
Both sexes	253,915
Male	130,729
Female	123,186
All origins	
Both sexes	3,953,590
Male	2,024,052
Female	1,929,538
Not Hispanic or L	
Both sexes	3,008,200
Male	1,541,909
Female	1,466,291
Hispanic or Latin	
Both sexes	918,129
Male	468,150
Female	449,979
Origin not stated	, -
Both sexes	27,261
Male	13,993
Female	13,268

Table 4 (contd.). Number of live births according to race, Hispanic origin, sex, and year: United States, 1999-2011

	· · · ·	•	•	July 1,		July 1,		
	July 1, 1999	April 1	, 2000		, 2002 July 1,	2003 2004	July 1, 2005	July 1, 2006
				Type of esti				
Race and sex	National, state, county ¹	National, state, county ²	National, state, county ³	National, state, county ³	National, state, county ³	National, state, county ³	National, state, county ³	National, state, county ³
All races Both				oounty	ocumy	county	oounty	<u> </u>
sexes	279,040,168	281,421,906	284,968,955	287,625,193	290,107,933	292,805,298	295,516,599	298,379,912
Male	136,802,873	138,053,563	139,891,492	141,230,559	142,428,897	143,828,012	145,197,078	146,647,265
Female	142,237,295	143,368,343	145,077,463	146,394,634	147,679,036	148,977,286	150,319,521	151,732,647
White Both								
sexes	228,687,790	230,085,762	232,192,666	233,720,535	235,125,072	236,670,034	238,187,095	239,805,271
Male	112,695,874	113,445,038	114,582,599	115,381,931	116,075,451	116,912,350	117,707,377	118,555,067
Female	115,991,916	116,640,724	117,610,067	118,338,604	119,049,621	119,757,684	120,479,718	121,250,204
Black Both								
sexes	36,173,121	36,594,309	37,249,775	37,748,424	38,209,741	38,738,798	39,280,731	39,857,107
Male	17,195,091	17,407,029	17,734,251	17,977,698	18,194,320	18,461,469	18,729,699	19,016,639
Female	18,978,030	19,187,280	19,515,524	19,770,726	20,015,421	20,277,329	20,551,032	20,840,468
American Ind	ian or Alaska Nat	tive						
Both sexes	2,832,761	2,984,150	3,097,333	3,202,471	3,312,011	3,429,452	3,554,356	3,687,683
Male	1,410,781	1,488,106	1,545,161	1,598,182	1,652,897	1,712,685	1,775,711	1,844,390
Female	1,421,980	1,496,044	1,552,172	1,604,289	1,659,114	1,716,767	1,778,645	1,843,293
Asian or Paci	fic Islander							
Both sexes	11,346,496	6 11,757,685	12,429,181	12,953,763	13,461,109	13,967,014	14,494,417	15,029,851
Male	5,501,127	5,713,390	6,029,481	6,272,748	6,506,229	6,741,508	6,984,291	7,231,169
Female	5,845,369	6,044,295	6,399,700	6,681,015	6,954,880	7,225,506	7,510,126	7,798,682

Table 5. Estimated resident population according to race, sex, year, and type of estimate: United States, 1999-2011

¹ The 1999 national, state, and county population estimates are derived from the bridged-race 1990-1999 intercensal estimates and are consistent with each other (25).

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 (26).

³ The 2001-2009 national, state, and county population estimates are derived from the bridged-race revised 2001-2009 intercensal series and are consistent with each other (27).

	July 1, 2007	July 1, 208	July 1, 2009	July 1, 2010	July 1,	201 ₆ 1	
	Type of estimate						
	National,	National, state,	National, state,	National, state,	_		
Race and sex	state, county ³	county ³	county ³	county ⁴	National⁵	State, county	
All races							
Both sexes	301,231,207	304,093,966	306,771,529	308,745,538	311,591,917	311,582,564	
Male	148,064,854	149,489,951	150,807,454	151,781,326	153,290,819	153,261,754	
Female	153,166,353	154,604,015	155,964,075	156,964,212	158,301,098	158,320,810	
White							
Both sexes	241,390,828	242,966,379	244,388,833	245,423,340	247,094,331	246,957,553	
Male	119,363,736	120,168,475	120,882,836	121,403,489	122,321,135	122,240,182	
Female	122,027,092	122,797,904	123,505,997	124,019,851	124,773,196	124,717,371	
Black							
Both sexes	40,451,108	41,048,959	41,632,450	42,065,334	42,678,815	42,689,217	
Male	19,308,680	19,602,943	19,887,934	20,100,692	20,417,972	20,418,579	
Female	21,142,428	21,446,016	21,744,516	21,964,642	22,260,843	22,270,638	
American Indian	or Alaska Native						
Both sexes	3,829,898	3,983,929	4,141,215	4,263,538	4,347,413	4,333,499	
Male	1,917,949	1,997,376	2,078,819	2,142,654	2,186,044	2,177,635	
Female	1,911,949	1,986,553	2,062,396	2,120,884	2,161,369	2,155,864	
Asian or Pacific I	slander						
Both sexes	15,559,373	16,094,699	16,609,031	16,993,326	17,471,358	17,602,295	
Male	7,474,489	7,721,157	7,957,865	8,134,491	8,365,668	8,425,358	
Female	8,084,884	8,373,542	8,651,166	8,858,835	9,105,690	9,176,937	

.Table 5 (contd.). Estimated resident population according to race, sex, year, and type of estimate: United States, 1999-2011

⁴ The 2010 national, state, and county population estimates are derived from the bridged-race April 1, 2010 census counts and are ⁵ The 2011 national population estimates are derived from the bridged-race Vintage postcensal series (29).
 ⁶ The 2011 state and county population estimates are derived from the bridged-race Vintage 2013 postcensal series (30).

	July 1, 1999	July 1, 2000	July 1, 2001	July 1, 2002	July 1, 2003	July 1, 2004	July 1, 2005	July 1, 2006	
	Type of estimate								
		National,	National,	National,	National,	National,		National,	
Origin and	National,	state,	state,	state,	state,	state,	National,	state,	
sex	state, county ¹	county ²	county ³	county ³	county ³	county ³	state, county ³	county ³	
All origins									
Both sexes	279,040,168	281,421,906	284,968,955	287,625,193	290,107,933	292,805,298	295,516,599	298,379,912	
Male	136,802,873	138,053,563	139,891,492	141,230,559	142,428,897	143,828,012	145,197,078	146,647,265	
Female	142,237,295	143,368,343	145,077,463	146,394,634	147,679,036	148,977,286	150,319,521	151,732,647	
Not Hispanic o	r Latino								
Both sexes	245,102,373	246,116,088	247,824,859	249,007,573	250,058,504	251,303,923	252,492,985	253,773,607	
Male	119,366,509	119,891,768	120,806,379	121,412,514	121,910,556	122,592,198	123,209,018	123,880,397	
Female	125,735,864	126,224,320	127,018,480	127,595,059	128,147,948	128,711,725	129,283,967	129,893,210	
Hispanic or La	tino								
Both sexes	33,937,795	35,305,818	37,144,096	38,617,620	40,049,429	41,501,375	43,023,614	44,606,305	
Male	17,436,364	18,161,795	19,085,113	19,818,045	20,518,341	21,235,814	21,988,060	22,766,868	
Female	16,501,431	17,144,023	18,058,983	18,799,575	19,531,088	20,265,561	21,035,554	21,839,437	
¹ The 1999 nat	ional state and	county populatio	n estimates are	derived from th	he bridged-race 1	9901999 interc	ensal series and	are consistent	

¹ The 1999 national, state, and county population estimates are derived from the bridged-race 19901999 intercensal series and are consistent with each other (25).

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 (26).

³ The 2001-2009 national, state, and county population estimates are derived from the bridged-race revised 2001-2009 intercensal series and are consistent with each other (27).

1000 2011									
	July 1, 2007	July 1, 2008	July 1, 2009	July 1, 2010	July 1, 2011				
	Type of estimate								
	National,	National,	National,	National,					
Origin and sex	state, county ³	state, county ³	state, county ³	state, county ⁴	National⁵	State, county ⁶			
All origins									
Both sexes	301,231,207	304,093,966	306,771,529	308,745,538	311,591,917	311,582,564			
Male	148,064,854	149,489,951	150,807,454	151,781,326	153,290,819	153,261,754			
Female	153,166,353	154,604,015	155,964,075	156,964,212	158,301,098	158,320,810			
Not Hispanic or	Latino								
Both sexes	255,034,354	256,300,181	257,444,040	258,267,944	259,546,640	259,714,985			
Male	124,520,814	125,167,045	125,743,410	126,162,526	126,847,608	126,930,690			
Female	130,513,540	131,133,136	131,700,630	132,105,418	132,699,032	132,784,295			
Hispanic									
Both sexes	46,196,853	47,793,785	49,327,489	50,477,594	52,045,277	51,867,579			
Male	23,544,040	24,322,906	25,064,044	25,618,800	26,443,211	26,331,064			
Female	22,652,813	23,470,879	24,263,445	24,858,794	25,602,066	25,536,515			

Table 6 (contd.). Estimated resident population according to Hispanic origin, sex, year, and type of estimate: United States, 1999-2011

⁴ The 2010 national, state, and county population estimates are derived from the bridged-race 2010 modified census counts and are consistent with each other (28).

⁵The 2011 national population estimates are derived from the Vintage 2011 postcensal series (29). ⁶ The 2011 state and county estimates are derived from the Vintage 2013 postcensal series (30).

1999-2011						
0	July 1,	April 1,	July 1,	July 1,	July 1,	July 1,
State	1999 ¹	2000 ²	2001 ³	2002 ³	2003 ³	2004 ³
Alabama	4,430,141	4,447,100	4,467,634	4,480,089	4,503,491	4,530,729
Alaska	624,779	626,932	633,714	642,337	648,414	659,286
Arizona	5,023,823	5,130,632	5,273,477	5,396,255	5,510,364	5,652,404
Arkansas	2,651,860	2,673,400	2,691,571	2,705,927	2,724,816	2,749,686
California	33,499,204	33,871,648	34,479,458	34,871,843	35,253,159	35,574,576
Colorado	4,226,018	4,301,261	4,425,687	4,490,406	4,528,732	4,575,013
Connecticut	3,386,401	3,405,565	3,432,835	3,458,749	3,484,336	3,496,094
Delaware	774,990	783,600	795,699	806,169	818,003	830,803
District of						
Columbia	570,213	572,059	574,504	573,158	568,502	567,754
Florida	15,759,421	15,982,378	16,356,966	16,689,370	17,004,085	17,415,318
Georgia	8,045,965	8,186,453	8,377,038	8,508,256	8,622,793	8,769,252
Hawaii	1,210,300	1,211,537	1,225,948	1,239,613	1,251,154	1,273,569
Idaho	1,275,674	1,293,953	1,319,962	1,340,372	1,363,380	1,391,802
Illinois	12,359,020	12,419,293	12,488,445	12,525,556	12,556,006	12,589,773
Indiana	6,044,969	6,080,485	6,127,760	6,155,967	6,196,638	6,233,007
Iowa	2,917,634	2,926,324	2,931,997	2,934,234	2,941,999	2,953,635
Kansas	2,678,338	2,688,418	2,702,162	2,713,535	2,723,004	2,734,373
Kentucky	4,018,053	4,041,769	4,068,132	4,089,875	4,117,170	4,146,101
Louisiana	4,460,811	4,468,976	4,477,875	4,497,267	4,521,042	4,552,238
Maine	1,266,808	1,274,923	1,285,692	1,295,960	1,306,513	1,313,688
Maryland	5,254,509	5,296,486	5,374,691	5,440,389	5,496,269	5,546,935
Massachusetts	6,317,345	6,349,097	6,397,634	6,417,206	6,422,565	6,412,281
Michigan	9,897,116	9,938,444	9,991,120	10,015,710	10,041,152	10,055,315
Minnesota	4,873,481	4,919,479	4,982,796	5,018,935	5,053,572	5,087,713
Mississippi	2,828,408	2,844,658	2,852,994	2,858,681	2,868,312	2,889,010
Missouri	5,561,948	5,595,211	5,641,142	5,674,825	5,709,403	5,747,741
Montana	897,507	902,195	906,961	911,667	919,630	930,009
Nebraska	1,704,764	1,711,263	1,719,836	1,728,292	1,738,643	1,749,370
Nevada	1,934,718	1,998,257	2,098,399	2,173,791	2,248,850	2,346,222
New	1,00 1,1 10	1,000,201	2,000,000	2,0,.01	_,0,000	2,010,222
Hampshire	1,222,014	1,235,786	1,255,517	1,269,089	1,279,840	1,290,121
New Jersey	8,359,592	8,414,350	8,492,671	8,552,643	8,601,402	8,634,561
New Mexico	1,808,082	1,819,046	1,831,690	1,855,309	1,877,574	1,903,808
New York	18,882,725	18,976,457	19,082,838	19,137,800	19,175,939	19,171,567
North Carolina	7,949,361	8,049,313	8,210,122	8,326,201	8,422,501	8,553,152
North Dakota	644,259	642,200	639,062	638,168	638,817	644,705
Ohio	11,335,454	11,353,140	11,387,404	11,407,889	11,434,788	11,452,251
Oklahoma	3,437,147	3,450,654	3,467,100	3,489,080	3,504,892	3,525,233
Oregon	3,393,941	3,430,034	3,467,937	3,513,424	3,547,376	3,569,463
Pennsylvania	12,263,805	12,281,054	12,298,970	12,331,031	12,374,658	12,410,722
Rhode Island	1,040,402	1,048,319	1,057,142	1,065,995	1,071,342	1,074,579
South Carolina	3,974,682	4,012,012	4,064,995	4,107,795	4,150,297	4,210,921
South Dakota	3,974,662 750,412	4,012,012	4,064,995 757,972	4,107,795	4,150,297 763,729	
				•		770,396
Tennessee	5,638,706	5,689,283	5,750,789	5,795,918	5,847,812	5,910,809
Texas	20,558,220	20,851,820	21,319,622	21,690,325	22,030,931	22,394,023

Table 7. Estimated resident population of the 50 states and the District of Columbia by year: United States, 1999-2011

	July 1,	April 1,	July 1,	July 1,	July 1,	July 1,
State	1999 ¹	2000 ²	2001 ³	2002 ³	2003 ³	2004 ³
Utah	2,203,482	2,233,169	2,283,715	2,324,815	2,360,137	2,401,580
Vermont	604,683	608,827	612,223	615,442	617,858	619,920
Virginia	7,000,174	7,078,515	7,198,362	7,286,873	7,366,977	7,475,575
Washington	5,842,564	5,894,121	5,985,722	6,052,349	6,104,115	6,178,645
West Virginia	1,811,799	1,808,344	1,801,481	1,805,414	1,812,295	1,816,438
Wisconsin	5,332,666	5,363,675	5,406,835	5,445,162	5,479,203	5,514,026
Wyoming	491,780	493,782	494,657	500,017	503,453	509,106

United States, 1999-2011									
Stata	July 1,	July 1,	July 1, 2007^3	July 1,	July 1,	July 1,	July 1, 2011⁵		
State	2005 ³	2006 ³	2007 ³	2008 ³	2009 ³	20104	20115		
Alabama	4,569,805	4,628,981	4,672,840	4,718,206	4,757,938	4,779,736	4,801,627		
Alaska	666,946	675,302	680,300	687,455	698,895	710,231	723,375		
Arizona	5,839,077	6,029,141	6,167,681	6,280,362	6,343,154	6,392,017	6,468,79		
Arkansas	2,781,097	2,821,761	2,848,650	2,874,554	2,896,843	2,915,918	2,938,50		
California	35,827,943	36,021,202	36,250,311	36,604,337	36,961,229	37,253,956	37,668,68		
Colorado	4,631,888	4,720,423	4,803,868	4,889,730	4,972,195	5,029,196	5,118,40		
Connecticut	3,506,956	3,517,460	3,527,270	3,545,579	3,561,807	3,574,097	3,588,94		
Delaware	845,150	859,268	871,749	883,874	891,730	897,934	907,98		
District of									
Columbia	567,136	570,681	574,404	580,236	592,228	601,723	619,62		
Florida	17,842,038	18,166,990	18,367,842	18,527,305	18,652,644	18,801,310	19,083,48		
Georgia	8,925,922	9,155,813	9,349,988	9,504,843	9,620,846	9,687,653	9,810,18		
Hawaii	1,292,729	1,309,731	1,315,675	1,332,213	1,346,717	1,360,301	1,376,89		
Idaho	1,428,241	1,468,669	1,505,105	1,534,320	1,554,439	1,567,582	1,583,93		
Illinois	12,609,903	12,643,955	12,695,866	12,747,038	12,796,778	12,830,632	12,855,97		
Indiana	6,278,616	6,332,669	6,379,599	6,424,806	6,459,325	6,483,802	6,516,33		
lowa	2,964,454	2,982,644	2,999,212	3,016,734	3,032,870	3,046,355	3,064,10		
Kansas	2,745,299	2,762,931	2,783,785	2,808,076	2,832,704	2,853,118	2,869,54		
Kentucky	4,182,742	4,219,239	4,256,672	4,289,878	4,317,074	4,339,367	4,366,86		
Louisiana			4,230,072	4,209,070	4,491,648	4,533,372	4,575,19		
	4,576,628	4,302,665							
Maine	1,318,787	1,323,619	1,327,040	1,330,509	1,329,590	1,328,361	1,327,84		
Maryland	5,592,379	5,627,367	5,653,408	5,684,965	5,730,388	5,773,552	5,840,24		
Massachusetts	6,403,290	6,410,084	6,431,559	6,468,967	6,517,613	6,547,629	6,606,28		
Michigan	10,051,137	10,036,081	10,001,284	9,946,889	9,901,591	9,883,640	9,874,58		
Minnesota	5,119,598	5,163,555	5,207,203	5,247,018	5,281,203	5,303,925	5,347,10		
Mississippi	2,905,943	2,904,978	2,928,350	2,947,806	2,958,774	2,967,297	2,977,88		
Missouri	5,790,300	5,842,704	5,887,612	5,923,916	5,961,088	5,988,927	6,010,06		
Montana	940,102	952,692	964,706	976,415	983,982	989,415	997,60		
Nebraska	1,761,497	1,772,693	1,783,440	1,796,378	1,812,683	1,826,341	1,841,74		
Nevada	2,432,143	2,522,658	2,601,072	2,653,630	2,684,665	2,700,551	2,717,95		
New									
Hampshire	1,298,492	1,308,389	1,312,540	1,315,906	1,316,102	1,316,470	1,318,07		
New Jersey	8,651,974	8,661,679	8,677,885	8,711,090	8,755,602	8,791,894	8,836,63		
New Mexico	1,932,274	1,962,137	1,990,070	2,010,662	2,036,802	2,059,179	2,077,91		
New York	19,132,610	19,104,631	19,132,335	19,212,436	19,307,066	19,378,102	19,502,72		
North Carolina	8,705,407	8,917,270	9,118,037	9,309,449	9,449,566	9,535,483	9,651,37		
North Dakota	646,089	649,422	652,822	657,569	664,968	672,591	684,86		
Ohio	11,463,320	11,481,213	11,500,468	11,515,391	11,528,896	11,536,504	11,549,77		
Oklahoma	3,548,597	3,594,090	3,634,349	3,668,976	3,717,572	3,751,351	3,785,53		
Oregon	3,613,202	3,670,883	3,722,417	3,768,748	3,808,600	3,831,074	3,867,93		
Pennsylvania	12,449,990	12,510,809	12,563,937	12,612,285	12,666,858	12,702,379	12,741,31		
Rhode Island	1,067,916	1,063,096	1,057,315	1,055,003	1,053,646	1,052,567	1,050,35		
South Carolina	4,270,150	4,357,847	4,444,110	4,528,996	4,589,872	4,625,364	4,673,50		
South Dakota	775,493	783,033	791,623	799,124	807,067	814,180	823,77		
Tennessee	5,991,057	6,088,766	6,175,727	6,247,411	6,306,019	6,346,105	6,398,36		
Texas	22,778,123	23,359,580	23,831,983	24,309,039	24,801,761	25,145,561	25,640,90		

Table 7 (contd.). Estimated resident population of the 50 states and the District of Columbia by year: United States, 1999-2011

	July 1,						
State	2005 ³	2006 ³	2007 ³	2008 ³	2009 ³	2010 ⁴	2011 ⁵
Utah	2,457,719	2,525,507	2,597,746	2,663,029	2,723,421	2,763,885	2,814,784
Vermont	621,215	622,892	623,481	624,151	624,817	625,741	626,320
Virginia	7,577,105	7,673,725	7,751,000	7,833,496	7,925,937	8,001,024	8,105,850
Washington	6,257,305	6,370,753	6,461,587	6,562,231	6,667,426	6,724,540	6,821,481
West Virginia	1,820,492	1,827,912	1,834,052	1,840,310	1,847,775	1,852,994	1,855,184
Wisconsin	5,546,166	5,577,655	5,610,775	5,640,996	5,669,264	5,686,986	5,708,785
Wyoming	514,157	522,667	534,876	546,043	559,851	563,626	567,329

¹ These population estimates are derived from the bridged-race 1990-1999 intercensal estimates (25).

² These population estimates are derived from the bridged-race April 1, 2000 census counts (26). ³ These population estimates are derived from the bridged-race revised 2000-2009 intercensal series (27).
 ⁴ These population estimates are derived from the bridged-race April 1, 2010 census counts (28).
 ⁵ These population estimates were derived from the bridged-race Vintage 2013 postcensal series (30).

APPENDIX A ICD-10 113 Selected Causes-of-Death List

The ICD-10 List of 113 Selected Causes of Death codes (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 (35).

Changes in the 113-cause list associated with updates to ICD-10 are discussed in the Technical Notes of each annual report(1-13); additional detail is available from: http:// www.who.int/classifications/icd/icd10updates/en/index.html. The changes are listed below; those for 2009 and earlier have been incorporated in the 113-cause of death code list that follows.

- Changes effective with 2006 data:
 - The ICD-10 underlying cause-of-death code I25.2 was deleted from the 113cause category 063.
 - K85 was deleted from the Residual category (111)
 - R50.0 and R50.1 were deleted from the category Congenital malformations, deformations, and chromosomal abnormalities (110)
 - 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".
 - o B33.4 was added to the category 018.
 - 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 Residual category (111)
 - P91.6 was added to the category Certain Conditions Originating in the Perinatal Period (108)
 - R29.6, R50.2, and R50.8 were added to the category Congenital malformations, deformations, and chromosomal abnormalities (110)
 - W46 was added to the category Other and unspecified nontransport accidents and their sequella (123)
- Changes effective with 2007 data:
 - J09 was added to the category Influenza (077).
 - U04.9 was added to category 081. The title of the category 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 category Other and unspecified nontransport accidents and their sequella (123).
- Changes effective with 2009 data:
 - K52.3 was added to the Residual category (111).
 - R26.3 and R63.6 were added to the category Congenital malformations, deformations, and chromosomal abnormalities (110).

- Changes effective with 2011 data:
- B17.9 was added to the 113-cause of death category Viral Hepatitis (015)
- G21.4 was added to the category Parkinson's disease (051)
- I72.5 was added to the category Other diseases of arteries, arterioles and capillaries (074)
- o J12.3 was added to the category Pneumonia (078)
- J21.1 was added to the category Acute bronchitis and bronchiolitis (080)
- K35.2, K35.3, and K35.8 were added the category Diseases of appendix (0091)
- N18.1, N18.2, N18.3, N18.4, and N18.5 were added to the category Renal failure (100)
- O14.2, O43.2, O96.0, O96.1, O96.9, O97.0, O97.1, O97.9, and O98.7 were added to the category Other complications of pregnancy, childbirth and puerperium (107)
- D68.5, D68.6, D89.3, E83.3, G14, H54.9, K12.3, L89.0, L89.1, L89.2, L89.3, L89.9, and N42 were added to Residual category (111)
- X34.0, X34.1, X34.8, and X34.9 were added to the category Other and unspecified nontransport accidents and their sequelae (123)

Table 8	. Tenth R	evision 113 selected causes-of-death list, adapted by NCHS
	Code	
113	limited ¹	
		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	Μ	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)

		Tenth Revision 113 selected causes-of-death list, adapted by NCHS
	ode	
lin	nited	
Recode S	ex Age	e 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,
042		hematopoietic and related tissue (C96)
043		All other and unspecified malignant neoplasms (C17,C23-C24,
040		C26-C31, C37-C41, C44-C49,C51-C52,C57-C60,C62-C63,
		C66,C68-C69,C73-C80, C97)
044		
044		In situ neoplasms, benign neoplasms and neoplasms of uncertain or
045		unknown behavior (D00-D48)
045	0	Anemias (D50-D64)
046	3	Diabetes mellitus (E10-E14)
047*		Nutritional deficiencies (E40-E64)
048		Malnutrition (E40-E46)
049		Other nutritional deficiencies (E50-E64)
050		Meningitis (G00,G03)
051		Parkinson's disease (G20-G21)
052		Alzheimer's disease (G30)
053*		Major cardiovascular diseases (I00-I78)
054*		Diseases of heart (100-109,111,113,120-151)
055		Acute rheumatic fever and chronic rheumatic heart diseases (100-109)
056		Hypertensive heart disease (I11)
057		Hypertensive heart and renal disease (I13)
058*		Ischemic heart diseases (I20-I25)
059		Acute myocardial infarction (I21-I22)
060		Other acute ischemic heart diseases (124)
061*		Other forms of chronic ischemic heart disease (I20,I25)
062		Atherosclerotic cardiovascular disease, so described (125.0)
063		All other forms of chronic ischemic heart disease (I20, I25.1-I25.9;
		effective 2006, 125.2 removed)
064*		Other heart diseases (I26-I51)
065		Acute and subacute endocarditis (I33)
066		Diseases of pericardium and acute myocarditis (I30-I31,I40)
067		Heart failure (I50)
068		All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)
069		
009		1999-2005: Essential (primary) hypertension and hypertensive renal
		disease (I10,I12)
		20006-present: Essential hypertension and hypertensive renal disease
070		
070		Cerebrovascular diseases (I60-I69)
071		Atherosclerosis (I70)

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

Code

113 limited

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

072*			Other diseases of circulatory system (I71-I78)
073			Aortic aneurysm and dissection (I71)
074			Other diseases of arteries, arterioles and capillaries (I72-I78)
075			Other disorders of circulatory system (I80-I99)
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,
000			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)
092 093 *			Hernia (K40-K46)
093			Chronic liver disease and cirrhosis (K70,K73-K74) Alcoholic liver disease (K70)
094			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	N /		Infections of kidney (N10-N12,N13.6,N15.1)
103 104	M F		Hyperplasia of prostate (N40) Inflammatory diseases of female pelvic organs (N70-N76)
104 105*		2	Pregnancy, childbirth and the puerperium (O00-O99)
105	F	2	Pregnancy with abortive outcome (000-007)
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 limited

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

	J
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)
	not on the file. The subcodes for this category are on the file.

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

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

3 = limited to ages 28 days and over

APPENDIX B Comparability between ICD-9 and ICD-10 for Mortality

In the United States, ICD-10 replaced ICD-9 beginning with the 1999 data year. ICD-10 differs from ICD-9 in many ways, including considerably greater detail; shifts of inclusion terms and titles from one category, section, or chapter to another; regroupings of diseases; new titles and sections; and modifications in coding rules (14-16). 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* (16).

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

, ,			Number allocated to	according					ercent nce limits
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)	Tenth Revision	Ninth Revision	Estimated compara- bility ratio	Standard error	Relative Stnd. error	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		0.8885
Respiratory tuberculosis	A16	010-012	518	572	0.9056	0.0201	2.2		0.9450
Other tuberculosis	A17-A19	013-018	135	192	0.7031	0.0407	5.8	0.6233	0.7830
Whooping cough	A37	033	*	*	*	*	*	3	· ·
Scarlet fever and erysipelas	A38,A46	034.1-035		*	*	*	*	÷	
Meningococcal infection	A39	036	221	222	0.9955	0.0149	1.5		1.0247
Septicemia	A40-A41	038	21,258	17,791	1.1949	0.0042	0.3	1.1867	
Syphilis	A50-A53	090-097	21	33	0.6364	0.1184	18.6	0.4043	0.8685
Acute poliomyelitis	A80	045	*	*	*	*	*	ł	
Arthropod-borne viral encephalitis	A83-A84,A85.2	062-064	*	*	*	*	*	ł	· ·
Measles	B05	055	*	*	*	*	*	÷	ن ،
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	*	*	*	*	*	ł	· *
Other and unspecified infectious and parasitic diseases									
And their sequelae	A00,A05,A20-A36,A42-A44,	001,005,020-032,037,039-							
	A48-A49,A54-A79,A81-A82,	041,046-054,056-061							
	A85.0-A85.1,A85.8,A86-B04	065-066,071-083,085-088,							
	B06-B09.B25-B49.B55-B99	098-134.136-139.771.3	2.865	2.607	1.0990	0.0154	1.4	1.0688	1.1291
Malignant neoplasms	C00-C97	140-208	464.688	461,544	1.0068	0.0002	0.0		1.0072
Malignant neoplasms of lip, oral cavity and pharynx		140-149	5,927	6,172	0.9603	0.0040	0.4		0.9681
Malignant neoplasm of esophagus		150	9,596	9,630	0.9965	0.0020	0.2		1.0003
Malignant neoplasm of stomach		151	11,480	11,408	1.0063	0.0019	0.2		1.0101
Malignant neoplasms of colon, rectum and anus	C18-C21	153-154	48,583	48,619	0.9993	0.0009	0.1		1.0010
Malignant neoplasms of liver and intrahepatic bile ducts.	C22	155	9,732	10,102	0.9634	0.0023	0.2		0.9679
Malignant neoplasm of pancreas		157	24,313	24,361	0.9980	0.0009	0.1		0.9997
Malignant neoplasm of larynx	C32	161	3,209	3,194	1.0047	0.0053	0.5		1.0150
Malignant neoplasms of trachea, bronchus and lung		162	131,750	133,936	0.9837	0.0005	0.0		0.9846
Malignant melanoma of skin	C43	172	5,941	6,139	0.9677	0.0032	0.1		0.9741
Malignant neoplasm of breast	C50	174-175	38,102	37,891	1.0056	0.0032	0.3		5 1.0075
Malignant neoplasm of cervix uteri	C53	180	3,753	3,802	0.9871	0.0010	0.1		0.9938
Malignant neoplasms of corpus uteri and uterus,	000	100	5,755	5,002	0.3071	0.0034	0.5	0.3000	0.5550
Part unspecified	C54-C55	179.182	5.318	5.183	1.0260	0.0040	0.4	1 0123	1.0339
Malignant neoplasm of ovary		183.0	11,292	11,344	0.9954	0.0040	0.4		0.9985
Malignant neoplasm of prostate		185	30,672	30,267	1.0134	0.0016	0.2		5 0.9985 5 1.0162
Malignant neoplasms of kidney and renal pelvis			,						1.0162
		189.0,189.1	9,521	9,521	1.0000	0.0022	0.2		
Malignant neoplasm of bladder	C67	188	9,563	9,594	0.9968	0.0026	0.3	0.9916	5 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

	Distasts		Number of allocated at to	according					ercent nce limits
					Estimated				
		Category codes according			compara-		Relative		
Cause of death (Based on the Tenth Revision,	Category codes according to the	to the	Tenth	Ninth	bility	Standard	Stnd.		
International Classification of Diseases, 1992)	Tenth Revision (ICD-10)	Ninth Revision (ICD-9)	Revision	Revision	ratio	error	error	Lower	
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,	152,156,158-160,163-171,							
	C37-C41,C44-C49,C51-C52,	173,181,183.2-184,186-							
	C57-C60,C62-C63	187,189.2-190,193-199							
	C66,C68-C69,C73-C80,C97	- , ,	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	-	0.9710
Diabetes mellitus		250	48,636	48,242	1.0082	0.0011	0.1		1.0103
Nutritional deficiencies		260-269	3,215	2,763	1.1636	0.0165	1.4		1.1960
Malnutrition		260-263	2,607	2,665	0.9782	0.0151	1.5		1.0078
Other nutritional deficiencies		264-269	608	2,000	6.2041	0.5961	9.6		7.3724
Meningitis		320-322	592	584	1.0137	0.0136	1.3		1.0403
Parkinson's disease		332	10,404	10,392	1.0012	0.0028	0.3		1.0067
Alzheimer's disease		331.0	29,707	19,121	1.5536	0.0020	0.5		1.5675
Major cardiovascular diseases		390-434,436-448	796,919	798,435	0.9981	0.0002	0.0		0.9985
Diseases of heart		390-398,402,404,410-429	615,564	624,405	0.9951	0.0002	0.0		0.9963
Acute rheumatic fever and chronic rheumatic heart	100-109,111,113,120-131	390-398,402,404,410-429	015,504	024,403	0.9050	0.0002	0.0	0.9004	0.9003
	100,100	390-398	2.446	2,980	0.8208	0.0089	1.1	0 0024	0.8382
diseases			, -	,					
Hypertensive heart disease		402 404	17,322	21,577	0.8028	0.0028	0.3		0.8083
Hypertensive heart and renal disease			2,170	2,027	1.0705	0.0160	1.5		
Ischemic heart diseases		410-414,429.2	466,459	466,935	0.9990	0.0002	0.0		0.9994
Acute myocardial infarction		410	178,125	180,169	0.9887	0.0003	0.0		0.9893
Other acute ischemic heart diseases		411	2,667	2,638	1.0110	0.0117	1.2		1.0340
Other forms of chronic ischemic heart disease Atherosclerotic cardiovascular disease,		412-414,429.2	285,667	284,128	1.0054	0.0004	0.0		1.0062
so described	125.0	429.2	64,354	61,362	1.0488	0.0016	0.2		1.0519
All other forms of chronic ischemic heart disease	120,125.1-125.9	412-414	221,313	222,766	0.9935	0.0004	0.0	0.9927	0.9942
Other heart diseases	126-151	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	133	421	552	554	0.9964	0.0137	1.4	0.9695	1.0233
Diseases of pericardium and acute myocarditis	130-131,140	420,422-423	489	475	1.0295	0.0160	1.6	0.9981	1.0608
Heart failure	150	428	44,297	42,554	1.0410	0.0013	0.1	1.0384	1.0435
All other forms of heart disease	126-128,134-138,142-149,151	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	110,112	401,403	11,958	10,684	1.1192	0.0050	0.4		1.1291
	···-,·· -	,	. 1,000	. 5,00 +		0.0000	0.4		

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

	Diseases		Number of allocated at to	according					ercent nce limits
					Estimated				
		Category codes according			compara-		Relative		
Cause of death (Based on the Tenth Revision,	Category codes according to the	to the	Tenth	Ninth	bility	Standard	Stnd.		
International Classification of Diseases, 1992)	Tenth Revision (ICD-10)	Ninth Revision (ICD-9)	Revision	Revision	ratio	error	error	Lower	Upper
Cerebrovascular diseases	160-169	430-434,436-438	137,264	129,640	1.0588	0.0008	0.1	1.0572	1.0604
Atherosclerosis	170	440	13,894	14,417	0.9637	0.0025	0.3	0.9588	0.9686
Other diseases of circulatory system	171-178	441-448	18,239	19,289	0.9456	0.0021	0.2	0.9414	0.9498
Aortic aneurysm and dissection	171	441	12,216	12,201	1.0012	0.0010	0.1	0.9992	1.0032
Other diseases of arteries, arterioles and capillaries	172-178	442-448	6,023	7,088	0.8497	0.0053	0.6	0.8394	0.8601
Other disorders of circulatory system	180-199	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		1.1774
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 Acute and rapidly progressive nephritic and nephrotic	N00-N07,N17-N19,N25-N27	580-589	24,939	20,242	1.2320	0.0044	0.4		1.2407
Syndrome Chronic glomerulonephritis, nephritis and nephropathy not Specified as acute or chronic, and renal sclerosis	N00-N01,N04	580-581	161	249	0.6466	0.0342	5.3	0.5796	0.7136
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		1.3047
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		1.0352
Hyperplasia of prostate	N40	600	326	327	0.9969	0.0159	1.6		1.0280
Inflammatory diseases of female pelvic organs	N70-N76	614-616	63	64	0.9844	0.0410	4.2		1.0648
Pregnancy, childbirth and the puerperium	O00-099	630-676	*	*	*	*	*	*	*
Pregnancy with abortive outcome Other complications of pregnancy, childbirth and the	000-007	630-639	*	*	*	*	*	*	*
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

			Number of allocated to to	according					ercent ice limits
					Estimated				
		Category codes according			compara-		Relative		
Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992) Congenital malformations, deformations and chromosomal	Category codes according to the Tenth Revision (ICD-10)	to the Ninth Revision (ICD-9)	Tenth Revision	Ninth Revision	bility ratio	Standard error	Stnd. error	Lower	Upper
Abnormalities	Q00-Q99	740-759	5,950	7,025	0.8470	0.0055	0.6	0.8362	0.8577
findings, not elsewhere classified	R00-R99	780-799	16,940	17,732	0.9553	0.0034	0.4	0 0/87	0.9620
All other diseases (Residual)	Residual	Residual	109.853	122,107	0.8996	0.0034	0.4		0.9025
Accidents (unintentional injuries)	V01-X59,Y85-Y86	E800-E869,E880-E929	31,084	30,163	1.0305	0.0013	0.2		1.0333
Transport accidents	V01-V99.Y85	E800-E848,E929.0,E929.1	17,547	17,586	0.9978	0.0006	0.1		0.9990
Motor vehicle accidents		E810-E825	17,547	17,500	0.9970	0.0000	0.1	0.9900	0.9990
	v19.6,V20-V79,V80.3-V80.5, V81.0-V81.1,V82.0-V82.1,V83- V86,V87.0-V87.8,								
Other land transport accidents	V88.0-V88.8,V89.0,V89.2 V01,V05-V06,V09.1, V09.3-V09.9,V10-V11,V15-V18	E800-E807,E826-E829	16,632	17,051	0.9754	0.0006	0.1	0.9742	0.9766
	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		*	*	*	*	*	*	*
Water, air and space, and other and unspecified									
transport accidents and their sequelae		E830-E848,E929.0,E929.1	351	347	1.0115	0.0209	2.1		1.0525
Nontransport accidents		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		1.0828
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 Accidental poisoning and exposure to noxious	X00-X09	E890-E899	493	506	0.9743	0.0089	0.9	0.9568	0.9918
substances Other and unspecified nontransport accidents and their	X40-X49	E850-E869,E924.1	*	*	*	*	*	*	*
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 Intentional self-harm (suicide) by other and unspecified		E955.0-E955.4	14,157	14,183	0.9982	0.0007	0.1		0.9996
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		0.9994
Assault (homicide) by discharge of firearms Assault (homicide) by other and unspecified means and	X93-X95	E965.0-E965.4	8,718	8,745	0.9969	0.0008	0.1		0.9985
their sequelae		E960-E964,E965.5-E969 E970-E978	3,569 *	3,563	1.0017	0.0024	0.2	0.9969 *	1.0064
Events of undetermined intent		E980-E989	*	*	*	*	*	*	*
Discharge of firearms, undetermined intent		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

				according					ercent
			to	D:	E a theorem and			confide	nce limits
		Category codes according		N H H	Estimated compara-	0	Relative		
Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992) Other and unspecified events of undetermined intent and	Category codes according to the Tenth Revision (ICD-10)	to the Ninth Revision (ICD-9)	Tenth Revision	Ninth Revision	bility ratio	Standard error	Stnd. error	Lower	Upper
their sequelae	Y10-Y21,Y25-Y34,Y87.2,Y89.9 Y36,Y89.1	E980-E984,E985.5-E989 E990-E999	*	*	*	*	*	k k	* *
Complications of medical and surgical care		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	9 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	3 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 (36, 37). 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 (37).

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 (32).

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* (1-13). 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. Formulas are provided in the Technical Notes in the annual National Vital Statistics Reports *Deaths: Final Data* (1-13). 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 (38). 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	d 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 p	opulation

Note: Projected 2000 population.

APPENDIX D More about Population Estimates

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.

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 frequently implements changes to the methodology used to derive the base population data base and the postcensal population estimates. Major methodology changes may affect comparison of population estimates across vintages.

The methods used to derive the Vintage 2013 postcensal estimates reflect the following changes in the estimation methodology: 1) improvements in the methodology and data inputs used to derive state and county total population estimates; 2) changes in the methodology and data inputs used to assign race to military personnel and to estimate international migration of military personnel, and 3) modification of the data inputs used for computation of deaths (39, 40)). A description of the methodology used to produce the Vintage 2011 estimates is available on the Census Bureau web site (41, 42).

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. Intercensal estimates are derived by adjusting the final postcensal estimates for the decade to account for differences between the April 1, census counts (from the census at the end of the decade) and the postcensal estimates for April 1 of that census year. For example, after completion of the 2010 census, the postcensal estimates for the period between April 1, 2000 and April 1, 2010 were modified to account for differences between the April 1, 2010 census counts and the April 1, 2010 postcensal estimates (based on the 2000 census). The patterns of population change observed over the decade are preserved. Replacement of postcensal estimates with intercensal estimates is desirable because as the end of the decade approaches, the postcensal estimates become increasingly less accurate.

The method used to generate the intercensal estimates for the 1990s was the same as that used to generate estimates for the 1980s (43). The method used to generate the revised intercensal population estimates for 2000-2009 was very similar, but included changes designed to reduce the occurrence of unlikely time series for small subgroups (44). Even with the methodological improvements introduced for the revised intercensal estimates, the intercensal time series of some counties still exhibit unlikely patterns, particularly for the youngest age groups.

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" (17). 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 and 2010 Censuses

The question on race on the 2000 and 2010 censuses was based on OMB's 1997 "Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity" (18). 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 and Census 2010, 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 these six categories, these two censuses had data for 63 race groups. Most people who identified "Some other race" as part of their race response, or as their only race response were of Hispanic origin. The Census Bureau imputes Hispanic origin for persons with this item "not stated".

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 (45). The differences between the population counts on the original census file and the MARS file are primarily due to modification of the race data. Most persons who did not specify their race 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 and 2010 censuses, the Census Bureau modified the race data on the census and produced the Modified Race Data Summary File (46). 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 (most of whom were Hispanic) were assigned to one of the 31 race groups using imputation.

Bridged-Race Population Estimates

Race data on the 2000 and 2010 censuses 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 (17, 18). One example of a data system continuing to collect data using the old standards is the Vital Statistics Cooperative Program. To date, a number of 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 racespecific 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 (21, 31). Race bridging refers to making data collected using one set of race categories consistent with data collected using a different set of race categories to permit calculation of statistics at a point in time or over time. More specifically, race bridging is a method used to make multiple-race and single-race data collection systems sufficiently comparable to permit estimation and analysis of race-specific statistics such as birth and death rates. When bridging group data rather than individual data, the goal is to correctly determine the size of the single-race groups, not to correctly determine how each individual would have reported his or her race under a single-race system.

NCHS developed a regression bridging methodology using information from the 1997-2000 National Health Interview Survey (NHIS) (21, 31, 32). 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 unbridged Census files to produce bridged-race census counts for 2000 and 2010, bridged-race intercensal estimates for 1990-1999 and 2000-2009, and postcensal series. These files have estimates for four single-race categories (American Indian or Alaska Native, Asian or Pacific Islander, black, and white) (25-30). Bridged-

race population estimates are available from: http://www.cdc.gov/nchs/nvss/bridged_race.htm.

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 (47). 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), some of which result in associated changes in the FIPS codes, occur from time to time (48). 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 FIPS 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 combination of geographic entity (U.S., state, county), year, bridged race, sex, and Hispanic-origin (including Hispanic origin "not stated"), even when the population estimates for all age groups are zero. There are records on the mortality file <u>only</u> for those combinations of county, year, race, sex, Hispanic origin, and age-group for which deaths from the cause of interest occurred. 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 state and county codes and names for the counties on the CMF are listed in **Appendix F**.

5. Tables 11 and 12 summarize information about changes in county FIPS codes in the CMF:

- Table 11 summarizes changes in the county/county equivalents available on the CMF and changes in county boundaries.
- Table 12 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.

	FIPS	1968-	1989-	1994-	2003-
Area Name	code	1888	1909-	2002	present
ALASKA	couc	1000	1000	2002	present
All Alaska areas, combined	02900		_*_	_*_	_*_
Aleutian Islands Census Area	02010	_*_	\checkmark	_*_	_*_
Aleutians East Borough	02013	_*_	_*_		
Aleutians West Census Area	02016	_*_	_*_	Ń	V V
Anchorage Borough	02020	_*_		Ń	Ń
Bethel Census Area	02050	_*_	Ň	Ń	v V
Bristol Bay Borough	02060	_*_	Ń	Ń	Ń
Denali Borough	02068	_*_	_*_	_*_	Ń
Dillingham Census Area ¹	02070	_*_			Ń
Fairbanks North Star Borough	02090	_*_		Ń	
Haines Borough	02100	_*_	Ń	Ń	
Hoonah-Angoon Census Area	02105	_*_	_*_	_*_	_*_
Juneau Borough	02110	_*_			
Kenai Peninsula Borough	02122	_*_	Ń	Ń	
Ketchikan Gateway Borough	02130	_*_		Ń	
Kodiak Island Borough	02150	_*_			
Lake and Peninsula Borough	02164	_*_	_*_		
Matanuska-Susitina Borough	02170	-*-			
Nome Census Area	02180	_*-	V		
North Slope Borough	02185	_*_	V	V	
Northwest Arctic Borough	02188	_*-		\checkmark	
Petersburg Census Area	02195	_*_	_*_	_*_	_*_
Prince of Wales-Hyder Census Area	02198	_*_	_*_	_*_	_*-
Prince of Wales-Outer Ketchikan					
Census Area	02201	_*-	\checkmark	\checkmark	\checkmark
Sitka Borough	02220	_*-			
Skagway Municipality	02230	-*-	-*-	-*-	-*-
Skagway-Hoonah-Angoon Census					
Area	02232	_*-	-*-	\checkmark	\checkmark
Skagway-Yakutat-Angoon Census					
Area	02231	_*-		-*-	_*-
Southeast Fairbanks Census Area	02240	_*_			
Valdez-Cordova Census Area	02260	-*-			\checkmark
Wade Hampton Census Area	02270	-*-			\checkmark
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			\checkmark	
COLORADO					

Table 11. Changes in the availability of counties and county equivalents on the CMF: 1968-present

0		1		, ,	
Adams County ³	08001				
Boulder County ³	08013				\checkmark
Broomfield County	08014	_*-	-*-	-*-	\checkmark
Jefferson County ³	08059				\checkmark
Weld County ³	08123				\checkmark
FLORIDA					
Dade County	12025	\checkmark		_*_	-*-
Miami-Dade county	12086	_*-	_*-		\checkmark
GEORGIA					
Unknown County ⁴	13999	-*-		- *- ⁴	-*-
MONTANA					
Gallatin County	30031				\checkmark
Yellowstone Park County	30113			_*-	_*-
NEW MEXICO					
Cibola County	35006	_*-			\checkmark
Valencia County ⁵	35051				\checkmark
VIRGINIA					
Alleghany, County ⁶	51005			$\sqrt{6}$	\checkmark
Clifton Forge city	51560				-*-
Halifax County ⁵	51083	\checkmark			
Nansamond city	51123	_*-	_*_	_*-	_*_
South Boston city	51780			_*-	_*-

-*-Area is not on the CMF during this period. $\sqrt{\text{Area}}$ 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

FIPS		
code	involved	Change Made
02013;		Recoded FIPS codes to 02010 (Aleutians
02016	1989-1993	Islands).
		Recoded FIPS code to 02290 (Yukon-
02068	1989-2002	Koyukuk)
02105;		Recoded FIPS codes to 02232 (Skagway-
02230	2001-2011	Hoonah-Angoon).
		Changed FIPS code to 02070
02164	1989-1993	(Dillingham).
02195;		Recoded FIPS codes to 02280 (Wrangell-
02275	2001-2011	Petersburg).
		Recoded FIPS code to 02201 (Prince of
02198	2001-2011	Wales-Outer Ketchikan).
02232;		Recoded FIPS codes to 02231 (Skagway-
02282	1989-1993	Yakutat-Angoon).
		Recoded FIPS code to 04027 (Yuma
04012	1981-1993	County).
		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
08014	2001-2002	code = 08123).
	02013; 02016 02068 02105; 02230 02164 02195; 02275 02198 02232; 02282 04012	code involved 02013; 02016 1989-1993 02068 1989-2002 02105; 02230 2001-2011 02164 1989-1993 02195; 02275 2001-2011 02198 2001-2011 02198 2001-2011 02232; 02282 1989-1993 04012 1981-1993

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 1994present, 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 1994present; 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 by combining the Yukon-Koyukuk Census Area (FIPS code=02290) and an unpopulated part of Southeast Fairbanks (FIPS code=02240). The code for Denali 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, the 2001-2011 population estimates for Hoonah-Angoon and Skagway Municipality on the original Census Bureau 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 population files. As a result, for

2001-2011, the population for Outer Ketchikan is reported for Ketchikan Gateway, not for Prince of Wales –Outer Ketchikan while any deaths that occurred 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)
- 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 Census Bureau population files but has not yet been implemented in the vital records files. Therefore, population estimates for Petersburg Census Area in the 2001-2011 Census Bureau 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) (after Outer Ketchikan was removed and added to Ketchikan Gateway). This change was implemented in the Census Bureau population files but has not been implemented in the vital records files. Therefore, the 2001-2011 Census Bureau population estimates for Prince of Wales-Hyder 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 Census Bureau population files but has not been implemented in the vital records files. Therefore, the 2001-2011 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. The population of Outer Ketchikan and Meyers Church could not be recovered. Therefore, there may be a discontinuity in the population estimates for Prince of Wales-Outer Ketchikan between 2000 and 2001.

- 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 2001-2011 population estimates for Skagway Municipality on the original 2001-2011 Census Bureau 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). 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 2001-2011 population estimates for Skagway Municipality on the original 2001-2009 revised intercensal and Census 2010 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.
- 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 the Meyers Church part of Prince of Wales-Outer Ketchikan Census Area (FIPS code = 02201). This change was implemented in the Census Bureau population file but has not yet been implemented in the vital records files. Therefore, for the CMF, the 2001-2011 Census Bureau population estimates for Wrangell City and Borough s were aggregated with those for Petersburg (FIPS code 02195) and

recoded to Wrangell-Petersburg Census Area. 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 Census Bureau population files but has not yet been implemented in the vital records files. Therefore, the 2001-2011 population estimates for this area were obtained by combining the Census Bureau 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.

<u>Borough</u>	<u>County</u>	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 13).

located				
Independent	•	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 or	oly on the CME for 1	968-2000 South Boston is only	on the CME for 19	68-

Table 13. Virginia independent cities on this file and the name and county in which each is located

*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
0.4			30	МТ	Montana
01	AL	Alabama	30 31	NE	Nebraska
02	AK	Alaska	32	NV	Nevada
04	AZ	Arizona	33	NH	
05	AR	Arkansas	33 34	NJ	New Hampshire New Jersey
06	CA	California	34 35	NM	New Mexico
08	CO	Colorado	36	NY	New York
09	CT	Connecticut	37	NC	North Carolina
10	DE	Delaware	38	ND	North Dakota
11	DC	District of Columbia	39	OH	Ohio
12	FL	Florida	39 40	OK	Oklahoma
13	GA	Georgia	40	OR	
15	HI	Hawaii	41	PA	Oregon Pennsylvania
16	ID	Idaho	42	RI	Rhodelsland
17	IL	Illinois	44	SC	South Carolina
18	IN	Indiana	45	SD	South Dakota
19	IA	lowa	40	TN	Tennessee
20	KS	Kansas	47	TX	Texas
21	KY	Kentucky	40	UT	Utah
22	LA	Louisiana	49 50	VT	Vermont
23	ME	Maine	50 51	VA	
24	MD	Maryland	53	WA	Virginia Washington
25	MA	Massachusetts	53 54	WV	Washington
26	MI	Michigan	54 55	WI	West Virginia Wisconsin
27	MN	Minnesota	55 56	WY	
28 29	MS MO	Mississippi Missouri	90	VVT	Wyoming

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

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

	FIPS State County				FIPS		County
St	Cnty		v Name	St	Cnty		v Name
01	Onty	710011	Hamo	01	Onty	710011	Hamo
	BAMA	1		01	073	AL	JEFFERSON
01	000		ATE TOTAL	01	075	AL	LAMAR
01	001	AL	AUTAUGA	01	077	AL	LAUDERDALE
01	003	AL	BALDWIN	01	079	AL	LAWRENCE
01	005	AL	BARBOUR	01	081	AL	LEE
01	007	AL	BIBB	01	083	AL	LIMESTONE
01	009	AL	BLOUNT	01	085	AL	LOWNDES
01	011	AL	BULLOCK	01	087	AL	MACON
01	013	AL	BUTLER	01	089	AL	MADISON
01	015	AL	CALHOUN	01	091	AL	MARENGO
01	017	AL	CHAMBERS	01	093	AL	MARION
01	019	AL	CHEROKEE	01	095	AL	MARSHALL
01	021	AL	CHILTON	01	097	AL	MOBILE
01	023	AL	CHOCTAW	01	099	AL	MONROE
01	025	AL	CLARKE	01	101	AL	MONTGOMERY
01	027	AL	CLAY	01	103	AL	MORGAN
01	029	AL	CLEBURNE	01	105	AL	PERRY
01	031	AL	COFFEE	01	107	AL	PICKENS
01	033	AL	COLBERT	01	109	AL	PIKE
01	035	AL	CONECUH	01	111	AL	RANDOLPH
01	037	AL	COOSA	01	113	AL	RUSSELL
01	039	AL	COVINGTON	01	115	AL	ST. CLAIR
01	041	AL	CRENSHAW	01	117	AL	SHELBY
01	043	AL	CULLMAN	01	119	AL	SUMTER
01	045	AL	DALE	01	121	AL	TALLADEGA
01	047	AL	DALLAS	01	123	AL	TALLAPOOSA
01	049	AL	DEKALB	01	125	AL	TUSCALOOSA
01	051	AL	ELMORE	01	127	AL	WALKER
01	053	AL	ESCAMBIA	01	129	AL	WASHINGTON
01	055	AL	ETOWAH	01	131	AL	WILCOX
01	057	AL	FAYETTE	01	133	AL	WINSTON
01	059	AL	FRANKLIN	A 1 4			
01	061	AL	GENEVA		ASKA		
01	063	AL	GREENE	02	000	AK	STATE TOTAL
01	065	AL	HALE	02	010	AK	Aleutian Islands
01	067	AL	HENRY	02	013	AK	Aleutians East E
01 01	069	AL	HOUSTON	02	016	AK	Aleutians West
	071	AL	JACKSON	02	020	AK	Anchorage Bord

FIP	S	State	County		FIPS	S	tate County
St	Cnty		Name				bbrv Name
01	Onty	710011	Namo		0. 0	inty /t	
02	050	AK	Bethel Census Area	04	023	AZ	SANTA CRUZ
02	060	AK	Bristol Bay Borough	04	025	AZ	YAVAPAI
02	068	AK	Denali Borough	04	027	AZ	YUMA
02	070	AK	Dillingham Census Area	01	021	/ .	
02	090	AK	Fairbanks North Star B.	AR	KANS	AS	
02	100	AK	Haines Borough	05	000	AR	STATE TOTAL
02	110	AK	Juneau Borough	05	001	AR	ARKANSAS
02	122	AK	Kenai Peninsula Borough	05	003	AR	ASHLEY
02	130	AK	Ketchikan Gateway B.	05	005	AR	BAXTER
02 02	150	AK AK	Kodiak Island Borough	05	000	AR	BENTON
02 02	164 170	AK	Lake and Peninsula B. Matanuska-Susitina B.	05	009	AR	BOONE
02	180	AK	Nome Census Area	05	003	AR	BRADLEY
02	185	AK	North Slope Borough	05	013	AR	CALHOUN
02	188	AK	Northwest Arctic Borough	05	015	AR	CARROLL
02	201	AK	Prince of Wales-Outer	05	017	AR	CHICOT
			Ketchikan	05	017	AR	CLARK
02	220	AK	Sitka Borough	05	019	AR	CLAR
02	231	AK	Skagway-Yakutat-Angoon	05		AR	CLEBURNE
C.A				05	023 025		CLEVELAND
02	232	AK	Skagway-Hoonah-Angoon		025	AR	
C.A				05		AR	
02	240	AK	Southeast Fairbanks B	05	029	AR	CONWAY
02	261	AK	Valdez-Cordova C. A.	05	031	AR	CRAIGHEAD
02	270	AK	Wade Hampton C. A.	05	033	AR	
02	280	AK	Wrangell-Petersburg C.A.	05	035	AR	CRITTENDEN
02	282	AK	Yakutat Borough	05	037	AR	CROSS
02	290	AK	Yukon-Koyukuk C.A.	05	039	AR	DALLAS
			-	05	041	AR	DESHA
ARI	ZONA			05 05	043	AR	DREW FAULKNER
04	000	AZ	STATE TOTAL		045	AR	-
04	001	AZ	APACHE	05	047	AR	
04	003	AZ	COCHISE	05	049	AR	
04	005	ΑZ	COCONINO	05	051	AR	GARLAND
04	007	ΑZ	GILA	05	053	AR	GRANT
04	009	AZ	GRAHAM	05	055	AR	GREENE
04	011	AZ	GREENLEE	05	057	AR	HEMPSTEAD
04	012	AZ	LA PAZ	05	059	AR	HOT SPRING
04	013	AZ	MARICOPA	05	061	AR	HOWARD
04	015	AZ	MOHAVE	05	063	AR	INDEPENDENCE
04	017	AZ	NAVAJO	05	065	AR	IZARD
04	019	AZ	PIMA	05	067	AR	JACKSON
04	021	AZ	PINAL	05	069	AR	JEFFERSON
72							
. –							

FIP	S	State	County		FIPS	S	State County
St	Cnty		Name		St C		Abbrv Name
~~	074						
05 05	071 073	AR AR	JOHNSON LAFAYETTE	06	LIFOR 000	NIA CA	STATE TOTAL
05	075	AR	LAWRENCE	06	000	CA	ALAMEDA
05	075	AR	LEE	06	001	CA	ALPINE
05	079	AR	LINCOLN	06	005	CA	AMADOR
05	079	AR	LITTLE RIVER	06	003	CA	BUTTE
05	083	AR	LOGAN	06	007	CA	CALAVERAS
05	085	AR	LONOKE	06	009	CA	COLUSA
05	085	AR	MADISON	06	013	CA	CONTRA COSTA
05	089	AR	MARION	06	015	CA	DEL NORTE
05	009	AR	MILLER	06	017	CA	EL DORADO
05	091	AR	MISSISSIPPI	06	017	CA	FRESNO
05	093	AR	MONROE	06	019	CA	GLENN
05	095	AR	MONTGOMERY	06	021	CA	HUMBOLDT
05	097	AR	NEVADA	06	025	CA	IMPERIAL
05	101	AR	NEWTON	06	025	CA	INYO
05	101	AR	OUACHITA	06	027	CA	KERN
05	105	AR	PERRY	06	029	CA	KINGS
05	105	AR	PHILLIPS	06	033	CA	LAKE
05	107	AR	PIKE	06	035	CA	LASSEN
05	109	AR	POINSETT	06	035	CA	LOS ANGELES
05	113	AR	POINSETT	06	037	CA	MADERA
05	115	AR	POPE	06	039	CA	MARIN
05	117	AR	PRAIRIE	06	041	CA	MARIPOSA
05	119	AR	PULASKI	06	043	CA	MENDOCINO
05	121	AR	RANDOLPH	06	045	CA	MERCED
05	121	AR	ST. FRANCIS	06	047	CA	MODOC
05	125	AR	SALINE	06	049	CA	MODOC
05	125	AR	SCOTT	06	051	CA	MONTEREY
05	127	AR	SEARCY	06	055	CA	NAPA
05	131	AR	SEBASTIAN	06	055	CA	NEVADA
05	133	AR	SEVIER	06	057	CA	ORANGE
05	135	AR	SHARP	06	059	CA	PLACER
05	135	AR	STONE	06	063	CA	PLUMAS
			UNION				RIVERSIDE
05 05	139 141	AR AR	VAN BUREN	06 06	065 067	CA CA	SACRAMENTO
05	141	AR	WASHINGTON	06	067	CA	SAN BENITO
05	143	AR	WASHINGTON	06	069	CA	SAN BERNARDIN
05	145	AR	WOODRUFF	06	071	CA	SAN DERNARDIN
05	147	AR	YELL	06	075	CA	SAN FRANCISCO
00	143			06	075	CA	SAN JOAQUIN
				00	011	СA	SAN JUAQUIN

FIPS	State	e County		FIPS	S	State County
St C	nty Abbi	v Name		St C	nty A	Abbrv Name
06 07 06 06 06 06 06 06 06 06 06 06 06 09 06 09 06 09 06 09 06 09 06 09 06 10 06 10 06 10 06 10 06 10 06 10 06 10 06 10	79 CA 81 CA 83 CA 85 CA 87 CA 89 CA 91 CA 93 CA 95 CA 97 CA 99 CA 01 CA 03 CA 05 CA 07 CA 09 CA 07 CA 09 CA	SAN LUIS OBISPO SAN MATEO SANTA BARBARA SANTA CLARA SANTA CRUZ SHASTA SIERRA SISKIYOU SOLANO SONOMA STANISLAUS SUTTER TEHAMA TRINITY TULARE TUOLUMNE	08 08 08 08 08 08 08 08 08 08 08 08 08 0	037 039 041 043 045 047 049 051 053 055 057 059 061 063 065 067	CO CO CO CO CO CO CO CO CO CO CO CO CO C	EAGLE ELBERT EL PASO FREMONT GARFIELD GILPIN GRAND GUNNISON HINSDALE HUERFANO JACKSON JEFFERSON KIOWA KIT CARSON LAKE LA PLATA
	11 CA 13 CA	VENTURA YOLO	08 08	069 071	CO CO	LARIMER LAS ANIMAS
	15 CA	YUBA	08 08	073 075	CO CO CO	LINCOLN
	RADO		08	077	CO	MESA
08 00 08 00	00 CO 01 CO 03 CO 05 CO 07 CO 09 CO 11 CO 13 CO 14 CO 15 CO 21 CO 23 CO 25 CO 27 CO 33 CO 33 CO	STATE TOTAL ADAMS ALAMOSA ARAPAHOE ARCHULETA BACA BENT BOULDER BROOMFIELD CHAFFEE CHEYENNE CLEAR CREEK CONEJOS COSTILLA CROWLEY CUSTER DELTA DENVER DOLORES DOUGLAS	08 08 08 08 08 08 08 08 08 08 08 08 08 0	079 081 083 085 087 089 091 093 095 097 099 101 103 105 107 109 111 113 115 117		MINERAL MOFFAT MONTEZUMA MONTROSE MORGAN OTERO OURAY PARK PHILLIPS PITKIN PROWERS PUEBLO RIO BLANCO RIO GRANDE ROUTT SAGUACHE SAN JUAN SAN MIGUEL SEDGWICK SUMMIT

FIP St			County Name		FIPS St C		State County Abbrv Name
31	Cnty	ADDIV	Name		51 0	nty A	ADDIV Mallie
08	119	CO	TELLER	12	027	FL	DESOTO
08	121	CO	WASHINGTON	12	029	FL	DIXIE
08	123	CO	WELD	12	031	FL	DUVAL
08	125	CO	YUMA	12	033	FL	ESCAMBIA
				12	035	FL	FLAGLER
CO		ICUTT		12	037	FL	FRANKLIN
09	000	СТ	STATE TOTAL	12	039	FL	GADSDEN
09	001	СТ	FAIRFIELD	12	041	FL	GILCHRIST
09	003	СТ	HARTFORD	12	043	FL	GLADES
09	005	СТ	LITCHFIELD	12	045	FL	GULF
09	007	CT	MIDDLESEX	12	047	FL	HAMILTON
09	009	CT	NEW HAVEN	12	049	FL	HARDEE
09	011	CT	NEW LONDON	12	051	FL	HENDRY
09	013	CT	TOLLAND	12	053	FL	HERNANDO
09	015	СТ	WINDHAM	12	055	FL	HIGHLANDS
DEI	LAWAF			12 12	057	FL	HILLSBOROUGH HOLMES
10	LAVVA 000	DE	STATE TOTAL	12	059 061	FL FL	INDIAN RIVER
10	000	DE	KENT	12	063	FL	JACKSON
10	003	DE	NEW CASTLE	12	065	FL	JEFFERSON
10	005	DE	SUSSEX	12	005	FL	LAFAYETTE
10	000	DL	CCCCE/	12	069	FL	LAKE
DIS	TRICT	of CO	LUMBIA	12	071	FL	LEE
11	000	DC	STATE TOTAL	12	073	FL	LEON
11	001	DC	WASHINGTON	12	075	FL	LEVY
				12	077	FL	LIBERTY
FLC	ORIDA			12	079	FL	MADISON
12	000	FL	STATE TOTAL	12	081	FL	MANATEE
12	001	FL	ALACHUA	12	083	FL	MARION
12	003	FL	BAKER	12	085	FL	MARTIN
12	005	FL	BAY	12	086	FL	MIAMI-DADE
12	007	FL	BRADFORD	12	087	FL	MONROE
12	009	FL	BREVARD	12	089	FL	NASSAU
12	011	FL	BROWARD	12	091	FL	OKALOOSA
12	013	FL		12	093	FL	OKEECHOBEE
12	015	FL	CHARLOTTE	12	095	FL	ORANGE
12	017	FL		12	097	FL	
12 12	019 021	FL FL	CLAY COLLIER	12 12	099 101	FL FL	PALM BEACH PASCO
12	021	FL	COLUMBIA	12	101	FL	PINELLAS
12	025	FL	DADE (now 12086)	12	105	FL	POLK
12	020	• •		12	100		

FIP			County		FIPS		tate County
St	Cnty	ADDIV	Name		St C	nty A	bbrv Name
12	107	FL	PUTNAM	13	049	GA	CHARLTON
12	109	FL	ST. JOHNS	13	051	GA	CHATHAM
12	111	FL	ST. LUCIE	13	053	GA	CHATTAHOOCHEE
12	113	FL	SANTA ROSA	13	055	GA	CHATTOOGA
12	115	FL	SARASOTA	13	057	GA	CHEROKEE
12	117	FL	SEMINOLE	13	059	GA	CLARKE
12	119	FL	SUMTER	13	061	GA	CLAY
12	121	FL	SUWANNEE	13	063	GA	CLAYTON
12	123	FL	TAYLOR	13	065	GA	CLINCH
12	125	FL	UNION	13	067	GA	COBB
12	127	FL	VOLUSIA	13	069	GA	COFFEE
12	129	FL	WAKULLA	13	071	GA	COLQUITT
12	131	FL	WALTON	13	073	GA	COLUMBIA
12	133	FL	WASHINGTON	13	075	GA	COOK
~-				13	077	GA	COWETA
	ORGIA			13	079	GA	CRAWFORD
13	000	GA	STATE TOTAL	13	081	GA	CRISP
13	001	GA	APPLING	13	083	GA	DADE
13	003	GA	ATKINSON	13	085	GA	DAWSON
13	005	GA	BACON	13	087	GA	DECATUR
13	007	GA	BAKER	13	089	GA	DEKALB
13	009	GA	BALDWIN	13	091	GA	DODGE
13	011	GA GA	BANKS	13 13	093	GA	DOOLY DOUGHERTY
13 13	013 015	GA GA	BARROW BARTOW	13	095 097	GA GA	DOUGLAS
13	015	GA GA	BEN HILL	13	097	GA GA	EARLY
13	017	GA GA	BERRIEN	13	101	GA GA	ECHOLS
13	019	GA GA	BIBB	13	101	GA	EFFINGHAM
13	021	GA GA	BLECKLEY	13	105	GA	ELBERT
13	025	GA	BRANTLEY	13	103	GA	EMANUEL
13	020	GA	BROOKS	13	109	GA	EVANS
13	029	GA	BRYAN	13	111	GA	FANNIN
13	020	GA	BULLOCH	13	113	GA	FAYETTE
13	033	GA	BURKE	13	115	GA	FLOYD
13	035	GA	BUTTS	13	117	GA	FORSYTH
13	037	GA	CALHOUN	13	119	GA	FRANKLIN
13	039	GA	CAMDEN	13	121	GA	FULTON
13	041	GA	GILCHRIST	13	123	GA	GILMER
13	043	GA	CANDLER	13	125	GA	GLASCOCK
13	045	GA	CARROLL	13	127	GA	GLYNN
13	047	GA	CATOOSA	13	129	GA	GORDON

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

FIP			County		FIPS		State County
St	Cnty	Abbrv	Name		St C	nty	Abbrv Name
	Cnty 299 301 303 305 307 309 311 313 315 317 319 321		Name WALTON WARE WARREN WASHINGTON WAYNE WEBSTER WHEELER WHITE WHITFIELD WILCOX WILKES WILKINSON WORTH				Abbrv Name CLARK CLEARWATER CUSTER ELMORE FRANKLIN FREMONT GEM GOODING IDAHO JEFFERSON JEROME KOOTENAI LATAH
13	999	GA	UNKNOWN	16	059	ID	LEMHI
				16	061	ID	LEWIS
HA 15	WAII 000	HI	STATE TOTAL	16 16	063 065	ID ID	LINCOLN MADISON
15	001	HI	HAWAII	16	067	ID	MINIDOKA
15	003	HI	HONOLULU	16	069	ID	NEZ PERCE
15	005	HI	KALAWAO	16	071	ID	ONEIDA
15	007	HI	KAUAI	16	073	ID	OWYHEE
15	009	HI	MAUI	16 16	075 077	ID ID	PAYETTE POWER
IDA	НО			16	079	ID	SHOSHONE
16	000	ID	STATE TOTAL	16	081	ID	TETON
16	001	ID	ADA	16	083	ID	TWIN FALLS
16	003	ID	ADAMS	16	085	ID	VALLEY
16	005	ID	BANNOCK	16	087	ID	WASHINGTON
16 16	007	ID	BEAR LAKE BENEWAH		INOIS		
16 16	009 011	ID ID	BINGHAM	17	000	IL	STATE TOTAL
16	013	ID	BLAINE	17	000	١L	ADAMS
16	015	ID	BOISE	17	003	١L	ALEXANDER
16	017	ID	BONNER	17	005	IL	BOND
16	019	ID	BONNEVILLE	17	007	IL	BOONE
16	021	ID	BOUNDARY	17	009	IL	BROWN
16	023	ID	BUTTE	17	011	IL	BUREAU
16	025	ID	CAMAS	17	013	IL	CALHOUN
16	027	ID	CANYON	17	015	IL	CARROLL
16	029	ID	CARIBOU	17	017	IL	CASS
16	031	ID	CASSIA	17	019	IL	CHAMPAIGN

FIP	S	State	County		FIPS		State County
St	Cnty	Abbrv	Name		St Cı	nty	Abbrv Name
St 17 17 17 17 17 17 17 17 17 17 17 17 17	Cnty 021 023 025 027 029 031 033 035 037 039 041 043 045 047 049 051 053 057 059 051 053 055 057 059 061 063 065 067 069 071 073 075 077	Abbrv IL IL IL IL IL IL IL IL IL IL IL IL IL	Name CHRISTIAN CLARK CLAY CLINTON COLES COOK CRAWFORD CUMBERLAND DEKALB DE WITT DOUGLAS DUPAGE EDGAR EDWARDS EFFINGHAM FAYETTE FORD FRANKLIN FULTON GALLATIN GREENE GRUNDY HAMILTON HANCOCK HARDIN HENDERSON HENRY IROQUOIS JACKSON	17 17 17 17 17 17 17 17 17 17 17 17 17 1	St Ci 103 105 107 109 111 113 115 117 129 121 123 125 127 129 131 133 135 137 139 141 143 145 147 149 151 153 157 159		Abbrv Name LEE LIVINGSTON LOGAN MCDONOUGH MCHENRY MCLEAN MACOUPIN MACOUPIN MADISON MARION MARSHALL MASON MARSHALL MASON MARSHALL MASON MARSHALL MASON MARSHALL MASON MARSHALL MASON MONTON MORGAN MONTGOMERY MORGAN MOULTRIE OGLE PEORIA PERRY PIATT PIKE POPE PULASKI PUTNAM RANDOLPH RICHLAND
17	075	IL	IROQUOIS	17	157	IL	RANDOLPH
17 17 17 17 17 17 17 17 17	083 085 087 089 091 093 095 097 099 101		JERSEY JO DAVIESS JOHNSON KANE KANKAKEE KENDALL KNOX LAKE LA SALLE LAWRENCE	17 17 17 17 17 17 17 17 17 17	165 167 169 171 173 175 177 179 181 183		SALINE SANGAMON SCHUYLER SCOTT SHELBY STARK STEPHENSON TAZEWELL UNION VERMILION

FIPS State County FIPS State County St Cnty Abbrv Name St Cnty Abbrv Name 17 185 IL WABASH 18 057 IN HAMILTON 17 187 IL WARREN 18 059 IN HANCOCK 17 189 IL WASHINGTON 18 061 IN HARRISON 17 193 IL WAYNE 18 063 IN HENDRICKS 17 193 IL WHITE 18 065 IN HENRY 17 195 IL WHITESIDE 18 067 IN HOWARD 17 197 IL WILL 18 069 IN HUNTINGTON 17 199 IL WILLIAMSON 18 071 IN JACKSON 17 203 IL WOODFORD 18 075 IN JAY 18 00
17 185 IL WABASH 18 057 IN HAMILTON 17 187 IL WARREN 18 059 IN HANCOCK 17 189 IL WASHINGTON 18 061 IN HARRISON 17 191 IL WAYNE 18 063 IN HENDRICKS 17 193 IL WHITE 18 065 IN HENRY 17 195 IL WHITESIDE 18 067 IN HOWARD 17 197 IL WILL 18 069 IN HUNTINGTON 17 199 IL WILLIAMSON 18 071 IN JACKSON 17 201 IL WINNEBAGO 18 073 IN JASPER 17 203 IL WOODFORD 18 075 IN JAY 18 001 IN STATE TOTAL 18 081 IN JOHNSON 18 003 IN ALLEN 18
17 187 IL WARREN 18 059 IN HANCOCK 17 189 IL WASHINGTON 18 061 IN HARRISON 17 191 IL WAYNE 18 063 IN HENDRICKS 17 193 IL WHITE 18 063 IN HENRY 17 195 IL WHITESIDE 18 067 IN HOWARD 17 197 IL WILL 18 067 IN HOWARD 17 197 IL WILL 18 069 IN HUNTINGTON 17 199 IL WILLIAMSON 18 071 IN JACKSON 17 201 IL WINNEBAGO 18 073 IN JASPER 17 203 IL WOODFORD 18 077 IN JEFFERSON 18 001 IN STATE TOTAL 18 081 IN JOHNSON 18 001 IN ADAMS 18
17 189 IL WASHINGTON 18 061 IN HARRISON 17 191 IL WAYNE 18 063 IN HENDRICKS 17 193 IL WHITE 18 065 IN HENRY 17 195 IL WHITESIDE 18 067 IN HOWARD 17 197 IL WILL 18 067 IN HUNTINGTON 17 197 IL WILL 18 067 IN HUNTINGTON 17 199 IL WILLIAMSON 18 071 IN JACKSON 17 201 IL WINNEBAGO 18 073 IN JASPER 17 203 IL WOODFORD 18 075 IN JAY 18 000 IN STATE TOTAL 18 081 IN JOHNSON 18 001 IN ADAMS 18 083 IN KNOX 18 003 IN ALLEN 18
17 191 IL WAYNE 18 063 IN HENDRICKS 17 193 IL WHITE 18 065 IN HENRY 17 195 IL WHITESIDE 18 067 IN HOWARD 17 197 IL WILL 18 069 IN HUNTINGTON 17 199 IL WILLIAMSON 18 071 IN JACKSON 17 201 IL WINNEBAGO 18 073 IN JASPER 17 203 IL WOODFORD 18 075 IN JAY INDIANA 18 000 IN STATE TOTAL 18 079 IN JENNINGS 18 001 IN ADAMS 18 083 IN KNOX 18 003 IN ALLEN 18 085 IN KOSCIUSKO 18 005 IN BARTHOLOMEW 18 089 IN LAGRANGE 18 007
17 193 IL WHITE 18 065 IN HENRY 17 195 IL WHITESIDE 18 067 IN HOWARD 17 197 IL WILL 18 069 IN HUNTINGTON 17 199 IL WILLIAMSON 18 071 IN JACKSON 17 201 IL WINNEBAGO 18 073 IN JASPER 17 203 IL WOODFORD 18 075 IN JAY INDIANA 18 000 IN STATE TOTAL 18 079 IN JENNINGS 18 001 IN ADAMS 18 081 IN JOHNSON 18 003 IN ALLEN 18 083 IN KNOX 18 005 IN BARTHOLOMEW 18 087 IN LAGRANGE 18 007 IN BENTON 18 089 IN LAKE
17 195 IL WHITESIDE 18 067 IN HOWARD 17 197 IL WILL 18 069 IN HUNTINGTON 17 199 IL WILLIAMSON 18 071 IN JACKSON 17 201 IL WINNEBAGO 18 073 IN JASPER 17 203 IL WOODFORD 18 075 IN JAY 18 000 IN STATE TOTAL 18 079 IN JENNINGS 18 001 IN ADAMS 18 081 IN JOHNSON 18 003 IN ALLEN 18 083 IN KNOX 18 005 IN BARTHOLOMEW 18 087 IN LAGRANGE 18 007 IN BENTON 18 089 IN LAKE
17 197 IL WILL 18 069 IN HUNTINGTON 17 199 IL WILLIAMSON 18 071 IN JACKSON 17 201 IL WINNEBAGO 18 073 IN JASPER 17 203 IL WOODFORD 18 075 IN JAY 18 000 IN STATE TOTAL 18 079 IN JENNINGS 18 001 IN ADAMS 18 081 IN JOHNSON 18 003 IN ALLEN 18 085 IN KOSCIUSKO 18 005 IN BARTHOLOMEW 18 087 IN LAGRANGE 18 007 IN BENTON 18 089 IN LAKE
17 199 IL WILLIAMSON 18 071 IN JACKSON 17 201 IL WINNEBAGO 18 073 IN JASPER 17 203 IL WOODFORD 18 075 IN JAY 18 077 IN JEFFERSON 18 077 IN JEFFERSON 18 000 IN STATE TOTAL 18 081 IN JOHNSON 18 001 IN ADAMS 18 083 IN KNOX 18 003 IN ALLEN 18 085 IN KOSCIUSKO 18 005 IN BARTHOLOMEW 18 087 IN LAGRANGE 18 007 IN BENTON 18 089 IN LAKE
17 201 IL WINNEBAGO 18 073 IN JASPER 17 203 IL WOODFORD 18 075 IN JAY INDIANA IN JEFFERSON 18 077 IN JEFFERSON 18 000 IN STATE TOTAL 18 081 IN JOHNSON 18 001 IN ADAMS 18 083 IN KNOX 18 003 IN ALLEN 18 085 IN KOSCIUSKO 18 005 IN BARTHOLOMEW 18 087 IN LAGRANGE 18 007 IN BENTON 18 089 IN LAKE
17 203 IL WOODFORD 18 075 IN JAY INDIANA 18 077 IN JEFFERSON 18 000 IN STATE TOTAL 18 079 IN JENNINGS 18 001 IN ADAMS 18 081 IN JOHNSON 18 003 IN ALLEN 18 085 IN KOSCIUSKO 18 005 IN BARTHOLOMEW 18 087 IN LAGRANGE 18 007 IN BENTON 18 089 IN LAKE
INDIANA 18 077 IN JEFFERSON 18 000 IN STATE TOTAL 18 079 IN JENNINGS 18 001 IN ADAMS 18 081 IN JOHNSON 18 003 IN ALLEN 18 085 IN KNOX 18 005 IN BARTHOLOMEW 18 087 IN LAGRANGE 18 007 IN BENTON 18 089 IN LAKE
INDIANA 18 079 IN JENNINGS 18 000 IN STATE TOTAL 18 081 IN JOHNSON 18 001 IN ADAMS 18 083 IN KNOX 18 003 IN ALLEN 18 085 IN KOSCIUSKO 18 005 IN BARTHOLOMEW 18 087 IN LAGRANGE 18 007 IN BENTON 18 089 IN LAKE
18 000 IN STATE TOTAL 18 081 IN JOHNSON 18 001 IN ADAMS 18 083 IN KNOX 18 003 IN ALLEN 18 085 IN KOSCIUSKO 18 005 IN BARTHOLOMEW 18 087 IN LAGRANGE 18 007 IN BENTON 18 089 IN LAKE
18 001 IN ADAMS 18 083 IN KNOX 18 003 IN ALLEN 18 085 IN KOSCIUSKO 18 005 IN BARTHOLOMEW 18 087 IN LAGRANGE 18 007 IN BENTON 18 089 IN LAKE
18 003 IN ALLEN 18 085 IN KOSCIUSKO 18 005 IN BARTHOLOMEW 18 087 IN LAGRANGE 18 007 IN BENTON 18 089 IN LAKE
18 005 IN BARTHOLOMEW 18 087 IN LAGRANGE 18 007 IN BENTON 18 089 IN LAKE
18 007 IN BENTON 18 089 IN LAKE
18 009 IN BLACKFORD 18 091 IN LA PORTE
18 011 IN BOONE 18 093 IN LAWRENCE
18 013 IN BROWN 18 095 IN MADISON
18 015 IN CARROLL 18 097 IN MARION
18 017 IN CASS 18 099 IN MARSHALL
18 019 IN CLARK 18 101 IN MARTIN
18 021 IN CLAY 18 103 IN MIAMI
18 023 IN CLINTON 18 105 IN MONROE
18 025 IN CRAWFORD 18 107 IN MONTGOMERY
18 027 IN DAVIESS 18 109 IN MORGAN
18 029 IN DEARBORN 18 111 IN NEWTON
18 031 IN DECATUR 18 113 IN NOBLE
18 033 IN DEKALB 18 115 IN OHIO
18 035 IN DELAWARE 18 117 IN ORANGE
18 037 IN DUBOIS 18 119 IN OWEN
18 039 IN ELKHART 18 121 IN PARKE
18 041 IN FAYETTE 18 123 IN PERRY
18 043 IN FLOYD 18 125 IN PIKE
18 045 IN FOUNTAIN 18 127 IN PORTER
18 047 IN FRANKLIN 18 129 IN POSEY
18 049 IN FULTON 18 131 IN PULASKI
18 051 IN GIBSON 18 133 IN PUTNAM
18 053 IN GRANT 18 135 IN RANDOLPH
18 055 IN GREENE 18 137 IN RIPLEY

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

	FIPS State County FIPS State County						
St	Cnty	Abbrv	Name		St C	nty A	bbrv Name
19	113	IA	LINN	19	195	IA	WORTH
19	115	IA	LOUISA	19	197	IA	WRIGHT
19	117	IA	LUCAS				
19	119	IA	LYON	KA	NSAS		
19	121	IA	MADISON	20	000	KS	STATE TOTAL
19	123	IA	MAHASKA	20	001	KS	ALLEN
19	125	IA	MARION	20	003	KS	ANDERSON
19	127	IA	MARSHALL	20	005	KS	ATCHISON
19	129	IA	MILLS	20	007	KS	BARBER
19	131	IA	MITCHELL	20	009	KS	BARTON
19	133	IA	MONONA	20	011	KS	BOURBON
19	135	IA	MONROE	20	013	KS	BROWN
19	137	IA	MONTGOMERY	20	015	KS	BUTLER
19	139	IA	MUSCATINE	20	017	KS	CHASE
19	141	IA	O'BRIEN	20	019	KS	CHAUTAUQUA
19 19	143 145	IA IA	OSCEOLA PAGE	20 20	021 023	KS KS	CHEROKEE CHEYENNE
19 19	145 147	IA IA	PAGE PALO ALTO	20 20	023 025	KS	CLARK
19	147	IA	PLYMOUTH	20	025	KS	CLARK
19	151	IA	POCAHONTAS	20	027	KS	CLOUD
19	153	IA	POLK	20	023	KS	COFFEY
19	155	IA	POTTAWATTAMIE	20	033	KS	COMANCHE
19	157	IA	POWESHIEK	20	035	KS	COWLEY
19	159	IA	RINGGOLD	20	037	KS	CRAWFORD
19	161	IA	SAC	20	039	KS	DECATUR
19	163	IA	SCOTT	20	041	KS	DICKINSON
19	165	IA	SHELBY	20	043	KS	DONIPHAN
19	167	IA	SIOUX	20	045	KS	DOUGLAS
19	169	IA	STORY	20	047	KS	EDWARDS
19	171	IA	ТАМА	20	049	KS	ELK
19	173	IA	TAYLOR	20	051	KS	ELLIS
19	175	IA	UNION	20	053	KS	ELLSWORTH
19	177	IA	VAN BUREN	20	055	KS	FINNEY
19	179	IA	WAPELLO	20	057	KS	FORD
19	181	IA	WARREN	20	059	KS	FRANKLIN
19	183	IA	WASHINGTON	20	061	KS	GEARY
19	185	IA	WAYNE	20	063	KS	GOVE
19 10	187	IA	WEBSTER	20	065	KS	GRAHAM
19 10	189	IA		20	067	KS	GRANT
19 19	191 103	IA	WINNESHIEK WOODBURY	20 20	069	KS KS	
19	193	IA		20	071	NЭ	GREELEY

FIP	S	State	County		FIPS	S	state County
St	Cnty		Name		St C		bbrv Name
		1/0		~~			
20	073	KS	GREENWOOD	20	155	KS	RENO
20	075	KS	HAMILTON	20	157	KS	REPUBLIC
20	077	KS	HARPER	20 20	159 161	KS	RICE RILEY
20 20	079 081	KS KS	HARVEY HASKELL	20 20	163	KS KS	ROOKS
20 20	083	KS	HODGEMAN	20 20	165	KS	RUSH
20 20	085	KS	JACKSON	20 20	167	KS	RUSSELL
20	085	KS	JEFFERSON	20	169	KS	SALINE
20	089	KS	JEWELL	20	171	KS	SCOTT
20	000	KS	JOHNSON	20	173	KS	SEDGWICK
20	093	KS	KEARNY	20	175	KS	SEWARD
20	095	KS	KINGMAN	20	177	KS	SHAWNEE
20	097	KS	KIOWA	20	179	KS	SHERIDAN
20	099	KS	LABETTE	20	181	KS	SHERMAN
20	101	KS	LANE	20	183	KS	SMITH
20	103	KS	LEAVENWORTH	20	185	KS	STAFFORD
20	105	KS	LINCOLN	20	187	KS	STANTON
20	107	KS	LINN	20	189	KS	STEVENS
20	109	KS	LOGAN	20	191	KS	SUMNER
20	111	KS	LYON	20	193	KS	THOMAS
20	113	KS	MCPHERSON	20	195	KS	TREGO
20	115	KS	MARION	20	197	KS	WABAUNSEE
20	117	KS	MARSHALL	20	199	KS	WALLACE
20	119	KS	MEADE	20	201	KS	WASHINGTON
20	121	KS	MIAMI	20	203	KS	WICHITA
20	123	KS	MITCHELL	20	205	KS	WILSON
20	125	KS	MONTGOMERY	20	207	KS	WOODSON
20	127	KS	MORRIS	20	209	KS	WYANDOTTE
20	129	KS	MORTON				
20	131	KS	NEMAHA		NTUCK		
20	133	KS	NEOSHO	21	000	KY	STATE TOTAL
20	135	KS	NESS	21	001	KY	ADAIR
20	137	KS	NORTON	21	003	KY	ALLEN
20	139	KS	OSAGE	21	005	KY	ANDERSON
20	141	KS	OSBORNE	21	007	KY	BALLARD
20	143	KS	OTTAWA	21	009	KY	
20	145	KS KS		21 21	011 013	KY KY	BATH
20 20	147 149	ks KS	PHILLIPS POTTAWATOMIE	21 21	013	KY	BELL BOONE
20 20	149	KS	PRATT	21 21	015	KY	BOURBON
20 20	153	KS	RAWLINS	21 21	017	KY	BOYD
20	100	NO		21	019	IX I	

FIP	S	State County			FIPS State County			
St	Cnty		Name		St C		Abbrv Name	
04	004			04	400			
21	021	KY	BOYLE	21	103	KY	HENRY	
21	023	KY	BRACKEN	21	105	KY	HICKMAN	
21	025	KY	BREATHITT	21	107	KY	HOPKINS	
21	027	KY	BRECKINRIDGE	21	109	KY	JACKSON	
21	029	KY	BULLITT	21	111	KY	JEFFERSON	
21	031	KY	BUTLER	21	113	KY	JESSAMINE	
21	033	KY	CALDWELL	21	115	KY	JOHNSON	
21	035	KY	CALLOWAY	21	117	KY	KENTON	
21	037	KY	CAMPBELL	21	119	KY	KNOTT	
21	039	KY	CARLISLE	21	121	KY	KNOX	
21	041	KY	CARROLL	21	123	KY	LARUE	
21	043	KY	CARTER	21	125	KY	LAUREL	
21	045	KY	CASEY	21	127	KY	LAWRENCE	
21	047	KY	CHRISTIAN	21	129	KY	LEE	
21	049	KY	CLARK	21	131	KY	LESLIE	
21	051	KY	CLAY	21	133	KY	LETCHER	
21	053	ΚY	CLINTON	21	135	ΚY	LEWIS	
21	055	KY	CRITTENDEN	21	137	KY	LINCOLN	
21	057	KY	CUMBERLAND	21	139	ΚY	LIVINGSTON	
21	059	ΚY	DAVIESS	21	141	ΚY	LOGAN	
21	061	ΚY	EDMONSON	21	143	ΚY	LYON	
21	063	KY	ELLIOTT	21	145	ΚY	MCCRACKEN	
21	065	KY	ESTILL	21	147	ΚY	MCCREARY	
21	067	KY	FAYETTE	21	149	ΚY	MCLEAN	
21	069	KY	FLEMING	21	151	ΚY	MADISON	
21	071	KY	FLOYD	21	153	ΚY	MAGOFFIN	
21	073	KY	FRANKLIN	21	155	ΚY	MARION	
21	075	ΚY	FULTON	21	157	ΚY	MARSHALL	
21	077	KY	GALLATIN	21	159	ΚY	MARTIN	
21	079	KY	GARRARD	21	161	ΚY	MASON	
21	081	KY	GRANT	21	163	ΚY	MEADE	
21	083	KY	GRAVES	21	165	ΚY	MENIFEE	
21	085	KΥ	GRAYSON	21	167	ΚY	MERCER	
21	087	ΚY	GREEN	21	169	ΚY	METCALFE	
21	089	KY	GREENUP	21	171	ΚY	MONROE	
21	091	KΥ	HANCOCK	21	173	ΚY	MONTGOMERY	
21	093	KY	HARDIN	21	175	ΚY	MORGAN	
21	095	KY	HARLAN	21	177	ΚY	MUHLENBERG	
21	097	KY	HARRISON	21	179	ΚY	NELSON	
21	099	KY	HART	21	181	ΚY	NICHOLAS	
21	101	KY	HENDERSON	21	183	ΚY	OHIO	

FIP	\$	State County			FIPS State County				
St	Cnty		Name				bbrv Name		
01	Onty		Name		51 0	inty A			
21	185	KY	OLDHAM	22	021	LA	CALDWELL		
21	187	KY	OWEN	22	023	LA	CAMERON		
21	189	KY	OWSLEY	22	025	LA	CATAHOULA		
21	191	KY	PENDLETON	22	027	LA	CLAIBORNE		
21	193	KY	PERRY	22	029	LA	CONCORDIA		
21	195	KY	PIKE	22	031	LA	DE SOTO		
21	197	KY	POWELL	22	033	LA	EAST BATON ROUGE		
21	199	KY	PULASKI	22	035	LA	EAST CARROLL		
21	201	KY	ROBERTSON	22	037	LA	EAST FELICIANA		
21	203	KY	ROCKCASTLE	22	039	LA	EVANGELINE		
21	205	ΚY	ROWAN	22	041	LA	FRANKLIN		
21	207	KY	RUSSELL	22	043	LA	GRANT		
21	209	ΚY	SCOTT	22	045	LA	IBERIA		
21	211	KY	SHELBY	22	047	LA	IBERVILLE		
21	213	KY	SIMPSON	22	049	LA	JACKSON		
21	215	KY	SPENCER	22	051	LA	JEFFERSON		
21	217	KY	TAYLOR	22	053	LA	JEFFERSON DAVIS		
21	219	KY	TODD	22	055	LA	LAFAYETTE		
21	221	KΥ	TRIGG	22	057	LA	LAFOURCHE		
21	223	KY	TRIMBLE	22	059	LA	LA SALLE		
21	225	KY	UNION	22	061	LA	LINCOLN		
21	227	KY	WARREN	22	063	LA	LIVINGSTON		
21	229	KY	WASHINGTON	22	065	LA	MADISON		
21	231	KY	WAYNE	22	067	LA	MOREHOUSE		
21	233	KY	WEBSTER	22	069	LA	NATCHITOCHES		
21	235	KY	WHITLEY	22	071	LA	ORLEANS		
21	237	KY	WOLFE	22	073	LA	OUACHITA		
21	239	KY	WOODFORD	22	075	LA	PLAQUEMINES		
				22	077	LA	POINTE COUPEE		
	JISIAN			22	079	LA	RAPIDES		
22	000	LA	STATE TOTAL	22	081	LA	RED RIVER		
22	001	LA	ACADIA	22	083	LA	RICHLAND		
22	003	LA	ALLEN	22	085	LA	SABINE		
22	005	LA	ASCENSION	22	087	LA	ST. BERNARD		
22	007	LA	ASSUMPTION AVOYELLES	22	089	LA	ST. CHARLES		
22 22	009 011	LA	BEAUREGARD	22 22	091 093	LA	ST. HELENA ST. JAMES		
	013	LA	BIENVILLE		093	LA	ST. JOHN THE BAPTIST		
22 22	015	LA LA	BOSSIER	22 22	095 097	LA LA	ST. JOHN THE DAPTIST		
22	015	LA	CADDO	22	097	LA	ST. MARTIN		
22 22	017	LA LA	CALCASIEU	22 22	101	LA	ST. MARTIN ST. MARY		
22	013	LA		22	101	LA			

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

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

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

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

FIPS	State	e County	State County		FIPS State County			
St Cn	y Abbr	v Name			St C	nty Al	obrv Name	
28 147 28 149 28 157 28 153 28 155 28 155 28 155 28 155 28 167 28 163	MS MS MS MS MS MS MS MS	WALTHALL WARREN WASHINGTON WAYNE WEBSTER WILKINSON WINSTON YALOBUSHA YAZOO		29 29 29 29 29 29 29 29 29 29 29	059 061 063 065 067 069 071 073 075 077	MO MO MO MO MO MO MO MO	DALLAS DAVIESS DEKALB DENT DOUGLAS DUNKLIN FRANKLIN GASCONADE GENTRY GREENE	
MISSOL 29 000 29 000 29 003 29 003 29 003 29 003 29 013 29 013 29 013 29 013 29 013 29 013 29 013 29 023 29 023 29 023 29 023 29 023 29 023 29 023 29 023 29 033 29 033 29 033 29 043 29 043 29 043 29 043 29 043 29 043 29 043 29 043 29 053 29 053 29 053 29	MO MO MO MO MO MO MO MO MO MO MO MO MO M	STATE TOTAL ADAIR ANDREW ATCHISON AUDRAIN BARRY BARTON BARES BENTON BOLLINGER BOONE BUCHANAN BUTLER CALDWELL CALLAWAY CAMDEN CAPE GIRARDEAU CARTER CASS CEDAR CHARITON CHRISTIAN CLARK CLAY CLINTON COLE COOPER CRAWFORD DADE		29	077 079 081 083 085 087 099 093 095 097 099 101 103 105 107 109 111 113 115 117 123 125 127 129 131 135 137 139	MO MO MO MO MO MO MO MO MO MO MO MO MO M	GREENE GRUNDY HARRISON HENRY HICKORY HOLT HOWARD HOWELL IRON JACKSON JASPER JEFFERSON JOHNSON KNOX LACLEDE LAFAYETTE LAWRENCE LEWIS LINCOLN LINN LIVINGSTON MCDONALD MACON MADISON MARIES MARION MARIES MARION MERCER MILLER MISSISSIPPI MONITEAU MONROE MONTGOMERY	

FIP	FIPS		County		FIPS	S	tate County
St	Cnty	Abbry	/ Name		St C	nty A	bbrv Name
29 29	141 143	MO MO	MORGAN NEW MADRID	29 29	225 227	MO MO	WEBSTER WORTH
29 29	145 147	MO MO	NEWTON NODAWAY	29 29	229 510	MO MO	WRIGHT ST. LOUIS CITY
29 29	149 151	MO MO	OREGON OSAGE	мо	NTAN	A	
29 29 29 29 29 29 29 29 29 29 29 29 29 2	153 155 157 159 161 163 165 167 169 171 173 175 177 179 181 183 185 186 187	MO MO MO MO MO MO MO MO MO MO MO MO	OZARK PEMISCOT PERRY PETTIS PHELPS PIKE PLATTE POLK PULASKI PULASKI PULASKI PUTNAM RALLS RANDOLPH RAY REYNOLDS RIPLEY ST. CHARLES ST. CLAIR STE. GENEVIEVE ST. FRANCOIS	30 30 30 30 30 30 30 30 30 30 30 30 30 3	000 001 003 005 007 009 011 013 015 017 019 021 023 025 027 029 031 033 035	MT MT MT MT MT MT MT MT MT MT MT MT MT	STATE TOTAL BEAVERHEAD BIG HORN BLAINE BROADWATER CARBON CARTER CASCADE CHOUTEAU CUSTER DANIELS DAWSON DEER LODGE FALLON FERGUS FLATHEAD GALLATIN GARFIELD GLACIER GOLDEN VALLEY
29 29 29 29 29 29 29 29 29 29 29 29 29 2	189 195 197 201 203 205 207 209 211 213 215 217 219 221 223	MO MO MO MO MO MO MO MO MO MO	ST. LOUIS SALINE SCHUYLER SCOTLAND SCOTT SHANNON SHELBY STODDARD STODDARD STODDARD STONE SULLIVAN TANEY TEXAS VERNON WARREN WASHINGTON WAYNE	30 30 30 30 30 30 30 30 30 30 30 30 30 3	037 039 041 043 045 047 049 051 053 055 057 059 061 063 065 067	MT MT MT MT MT MT MT MT MT MT MT MT	GOLDEN VALLEY GRANITE HILL JEFFERSON JUDITH BASIN LAKE LEWIS AND CLARK LIBERTY LINCOLN MCCONE MADISON MEAGHER MINERAL MISSOULA MUSSELSHELL PARK

FIP	S	State	County		FIPS	S	tate County
St	Cnty		Name		St C		bbrv Name
	000	лат		04	004		
30	069	MT	PETROLEUM PHILLIPS	31 31	031 033	NE NE	CHERRY CHEYENNE
30 30	071 073	MT MT	PONDERA	31	035	NE	CLAY
30 30	075	MT	POWDER RIVER	31	035	NE	COLFAX
30	073	MT	POWELL	31	039	NE	CUMING
30	079	MT	PRAIRIE	31	033	NE	CUSTER
30	081	MT	RAVALLI	31	043	NE	DAKOTA
30	083	MT	RICHLAND	31	045	NE	DAWES
30	085	MT	ROOSEVELT	31	047	NE	DAWSON
30	087	MT	ROSEBUD	31	049	NE	DEUEL
30	089	MT	SANDERS	31	051	NE	DIXON
30	091	MT	SHERIDAN	31	053	NE	DODGE
30	093	MT	SILVER BOW	31	055	NE	DOUGLAS
30	095	MT	STILLWATER	31	057	NE	DUNDY
30	097	MT	SWEET GRASS	31	059	NE	FILLMORE
30	099	MT	TETON	31	061	NE	FRANKLIN
30	101	MT	TOOLE	31	063	NE	FRONTIER
30	103	MT	TREASURE	31	065	NE	FURNAS
30	105	MT	VALLEY	31	067	NE	GAGE
30	107	MT	WHEATLAND	31	069	NE	GARDEN
30	109	MT	WIBAUX	31	071	NE	GARFIELD
30	111	MT	YELLOWSTONE	31	073	NE	GOSPER
30	113	MT	YELLOWSTONE N. PARK	31	075	NE	GRANT
				31	077	NE	GREELEY
	BRASK			31	079	NE	HALL
31	000	NE	STATE TOTAL	31	081	NE	HAMILTON
31	001	NE	ADAMS	31	083	NE	HARLAN
31	003	NE	ANTELOPE	31	085	NE	HAYES
31	005	NE		31 21	087	NE	HITCHCOCK
31 31	007 009	NE NE	BANNER BLAINE	31 31	089 091	NE NE	HOLT HOOKER
31	009	NE	BOONE	31	091	NE	HOWARD
31	013	NE	BOX BUTTE	31	095	NE	JEFFERSON
31	015	NE	BOYD	31	095	NE	JOHNSON
31	017	NE	BROWN	31	099	NE	KEARNEY
31	019	NE	BUFFALO	31	101	NE	KEITH
31	021	NE	BURT	31	103	NE	KEYA PAHA
31	023	NE	BUTLER	31	105	NE	KIMBALL
31	025	NE	CASS	31	107	NE	KNOX
31	027	NE	CEDAR	31	109	NE	LANCASTER
31	029	NE	CHASE	31	111	NE	LINCOLN
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FIP St	S Cnty		County Name		FIPS St C		tate County bbrv Name
31	Citty	ADDIV	Inallie		51 0	ity A	
31	113	NE	LOGAN	32	003	NV	CLARK
31	115	NE	LOUP	32	005	NV	DOUGLAS
31	117	NE	MCPHERSON	32	007	NV	ELKO
31	119	NE	MADISON	32	009	NV	ESMERALDA
31	121	NE	MERRICK	32	011	NV	EUREKA
31	123	NE	MORRILL	32	013	NV	HUMBOLDT
31	125	NE	NANCE	32	015	NV	LANDER
31	127	NE	NEMAHA	32	017	NV	LINCOLN
31	129	NE	NUCKOLLS	32	019	NV	LYON
31	131	NE	OTOE	32	021	NV	MINERAL
31	133	NE	PAWNEE	32	023	NV	NYE
31	135	NE	PERKINS	32	027	NV	PERSHING
31	137	NE	PHELPS	32	029	NV	STOREY
31	139	NE	PIERCE	32	031	NV	WASHOE
31	141	NE	PLATTE	32	033	NV	WHITE PINE
31	143	NE	POLK	32	510	NV	CARSON CITY
31	145	NE	RED WILLOW				
31	147	NE	RICHARDSON		W HAN		
31	149	NE	ROCK	33	000	NH	STATE TOTAL
31	151	NE	SALINE	33	001	NH	BELKNAP
31	153	NE	SARPY	33	003	NH	CARROLL
31	155	NE	SAUNDERS	33	005	NH	CHESHIRE
31	157	NE	SCOTTS BLUFF	33	007	NH	COOS
31	159	NE	SEWARD	33	009	NH	GRAFTON
31	161	NE	SHERIDAN	33	011	NH	HILLSBOROUGH
31	163	NE	SHERMAN	33	013	NH	MERRIMACK
31	165	NE	SIOUX	33	015	NH	ROCKINGHAM
31	167	NE	STANTON	33	017	NH	STRAFFORD
31	169	NE	THAYER	33	019	NH	SULLIVAN
31	171	NE	THOMAS			0 F.V	
31 21	173	NE NE	THURSTON		N JER 000		STATE TOTAL
31 31	175 177	NE	VALLEY WASHINGTON	34 24	000	NJ NJ	<i>STATE TOTAL</i> ATLANTIC
31	179	NE	WASHINGTON	34 34	001	NJ	BERGEN
31	181	NE	WEBSTER	34 34	005	NJ	BURLINGTON
31	183	NE	WHEELER	34 34	005	NJ	CAMDEN
31	185	NE	YORK	34 34	007	NJ	CAMELIN CAPE MAY
51	105			34 34	009	NJ	CUMBERLAND
	VADA			34 34	013	NJ	ESSEX
32	000	NV	STATE TOTAL	34	015	NJ	GLOUCESTER
32	000	NV	CHURCHILL	34	017	NJ	HUDSON
52	001			07	011	140	1000014

FIPS		State	State County			St	tate County
St	Cnty		Name		St C		bbrv Name
0.1	040			0.5	0.40	N 1N 4	
34	019	NJ	HUNTERDON	35	049	NM	SANTA FE
34	021	NJ		35	051	NM	SIERRA
34	023	NJ	MIDDLESEX	35	053	NM	SOCORRO
34	025	NJ	MONMOUTH	35	055	NM	TAOS
34	027	NJ	MORRIS	35	057	NM	TORRANCE
34	029	NJ	OCEAN	35	059	NM	UNION
34	031	NJ	PASSAIC	35	061	NM	VALENCIA
34	033	NJ	SALEM				
34	035	NJ	SOMERSET		N YOR		
34	037	NJ	SUSSEX	36	000	NY	STATE TOTAL
34	039	NJ	UNION	36	001	NY	ALBANY
34	041	NJ	WARREN	36	003	NY	ALLEGANY
				36	005	NY	BRONX
	N MEX			36	007	NY	BROOME
35	000	NM	STATE TOTAL	36	009	NY	CATTARAUGUS
35	001	NM	BERNALILLO	36	011	NY	CAYUGA
35	003	NM	CATRON	36	013	NY	CHAUTAUQUA
35	005	NM	CHAVES	36	015	NY	CHEMUNG
35	006	NM	CIBOLA	36	017	NY	CHENANGO
35	007	NM	COLFAX	36	019	NY	CLINTON
35	009	NM	CURRY	36	021	NY	COLUMBIA
35	011	NM	DE BACA	36	023	NY	CORTLAND
35	013	NM	DONA ANA	36	025	NY	DELAWARE
35	015	NM	EDDY	36	027	NY	DUTCHESS
35	017	NM	GRANT	36	029	NY	ERIE
35	019	NM	GUADALUPE	36	031	NY	ESSEX
35	021	NM	HARDING	36	033	NY	FRANKLIN
35	023	NM	HIDALGO	36	035	NY	FULTON
35	025	NM	LEA	36	037	NY	GENESEE
35	027	NM	LINCOLN	36	039	NY	GREENE
35	028	NM	LOS ALAMOS	36	041	NY	HAMILTON
35	029	NM	LUNA	36	043	NY	HERKIMER
35	031	NM	MCKINLEY	36	045	NY	JEFFERSON
35	033	NM	MORA	36	047	NY	KINGS
35	035	NM	OTERO	36	049	NY	LEWIS
35	037	NM	QUAY	36	051	NY	LIVINGSTON
35	039	NM	RIO ARRIBA	36	053	NY	MADISON
35	041	NM	ROOSEVELT	36	055	NY	MONROE
35	043	NM	SANDOVAL	36	057	NY	MONTGOMERY
35	045	NM	SAN JUAN	36	059	NY	NASSAU
35	047	NM	SAN MIGUEL	36	061	NY	NEW YORK CITY
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FIP	S	State	County		FIPS	S	state County
St	Cnty		Name		St C	nty A	bbrv Name
		N.N. /		~ -	o 4 -		
36	063	NY	NIAGARA	37	015	NC	BERTIE
36	065	NY	ONEIDA	37	017	NC	BLADEN
36	067	NY	ONONDAGA	37	019	NC	BRUNSWICK
36	069	NY	ONTARIO	37	021	NC	BUNCOMBE
36	071	NY	ORANGE	37	023	NC	BURKE
36	073	NY	ORLEANS	37	025	NC	CABARRUS
36	075	NY	OSWEGO	37	027	NC	CALDWELL
36	077	NY	OTSEGO	37	029	NC	CAMDEN
36	079	NY	PUTNAM	37	031	NC	CARTERET
36	081	NY	QUEENS	37	033	NC	CASWELL
36	083	NY	RENSSELAER	37	035	NC	CATAWBA
36	085	NY	RICHMOND	37	037	NC	CHATHAM
36	087	NY	ROCKLAND	37	039	NC	CHEROKEE
36	089	NY	ST. LAWRENCE	37	041	NC	CHOWAN
36	091	NY	SARATOGA	37	043	NC	
36	093	NY	SCHENECTADY	37	045	NC	CLEVELAND
36	095	NY	SCHOHARIE	37	047	NC	COLUMBUS
36	097	NY	SCHUYLER	37	049	NC	
36	099	NY	SENECA	37	051	NC	CUMBERLAND
36	101	NY	STEUBEN	37	053	NC	CURRITUCK
36	103	NY	SUFFOLK	37	055	NC	
36	105 107	NY NY	SULLIVAN TIOGA	37 37	057 059	NC NC	DAVIDSON DAVIE
36 36	107	NY	TOMPKINS	37	059	NC	DUPLIN
36	111	NY	ULSTER	37	063	NC	DURHAM
36	113	NY	WARREN	37	065	NC	EDGECOMBE
36	115	NY	WASHINGTON	37	067	NC	FORSYTH
36	117	NY	WAYNE	37	069	NC	FRANKLIN
36	119	NY	WESTCHESTER	37	003	NC	GASTON
36	121	NY	WYOMING	37	073	NC	GATES
36	123	NY	YATES	37	075	NC	GRAHAM
00	120		INTEO	37	077	NC	GRANVILLE
NO	втн с	AROLII		37	079	NC	GREENE
37	000	NC	STATE TOTAL	37	081	NC	GUILFORD
37	001	NC	ALAMANCE	37	083	NC	HALIFAX
37	003	NC	ALEXANDER	37	085	NC	HARNETT
37	005	NC	ALLEGHANY	37	087	NC	HAYWOOD
37	007	NC	ANSON	37	089	NC	HENDERSON
37	009	NC	ASHE	37	091	NC	HERTFORD
37	011	NC	AVERY	37	093	NC	HOKE
37	013	NC	BEAUFORT	37	095	NC	HYDE
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FIP	S	State	County		FIPS	S	tate County
St	Cnty		Name				bbrv Name
37	097	NC	IREDELL	37	179	NC	UNION
37	099	NC	JACKSON	37	181	NC	VANCE
37	101	NC	JOHNSTON	37	183	NC	WAKE
37	103	NC	JONES	37	185	NC	WARREN
37	105	NC	LEE	37	187	NC	WASHINGTON
37	107	NC	LENOIR	37	189	NC	WATAUGA
37	109	NC	LINCOLN	37	191	NC	WAYNE
37	111	NC	MCDOWE	37	193	NC	WILKES
37	113	NC	MACON	37	195	NC	WILSON
37	115	NC	MADISON	37	197	NC	YADKIN
37	117	NC	MARTIN	37	199	NC	YANCEY
37	119	NC	MECKLENBURG				
37	121	NC	MITCHELL	NO	RTH D	AKOT	Α
37	123	NC	MONTGOMERY	38	000	ND	STATE TOTAL
37	125	NC	MOORE	38	001	ND	ADAMS
37	127	NC	NASH	38	003	ND	BARNES
37	129	NC	NEW HANOVER	38	005	ND	BENSON
37	131	NC	NORTHAMPTON	38	007	ND	BILLINGS
37	133	NC	ONSLOW	38	009	ND	BOTTINEAU
37	135	NC	ORANGE	38	011	ND	BOWMAN
37	137	NC	PAMLICO	38	013	ND	BURKE
37	139	NC	PASQUOTANK	38	015	ND	BURLEIGH
37	141	NC	PENDER	38	017	ND	CASS
37	143	NC	PERQUIMANS	38	019	ND	CAVALIER
37	145	NC	PERSON	38	021	ND	DICKEY
37	147	NC	PITT	38	023	ND	DIVIDE
37	149	NC	POLK	38	025	ND	DUNN
37	151	NC	RANDOLPH	38	027	ND	EDDY
37	153	NC	RICHMOND	38	029	ND	EMMONS
37	155	NC	ROBESON	38	031	ND	FOSTER
37	157	NC	ROCKINGHAM	38	033	ND	GOLDEN VALLEY
37	159	NC	ROWAN	38	035	ND	GRAND FORKS
37	161	NC	RUTHERFORD	38	037	ND	GRANT
37	163	NC	SAMPSON	38	039	ND	GRIGGS
37	165	NC	SCOTLAND	38	041	ND	HETTINGER
37	167	NC	STANLY	38	043	ND	KIDDER
37	169	NC	STOKES	38	045	ND	LAMOURE
37	171	NC	SURRY	38	047	ND	LOGAN
37	173	NC	SWAIN	38	049	ND	MCHENRY
37	175	NC	TRANSYLVANIA	38	051	ND	MCINTOSH
37	177	NC	TYRRELL	38	053	ND	MCKENZIE
		-					

FIPS	State County		FIPS		tate County
St Cnty	Abbrv Name		St C	nty A	bbrv Name
St Cnty 38 055 38 057 38 059 38 061 38 063 38 065 38 067 38 069 38 071 38 073 38 075 38 075 38 079 38 079 38 079 38 081 38 085 38 085 38 087 38 091 38 091 38 093 38 091 38 093 38 097 38 097 38 097 38 097 38 097 38 101 38 103 38 105	Abbry NameNDMCLEANNDMERCERNDMORTONNDMOUNTRAILNDNELSONNDOLIVERNDPEMBINANDPIERCENDRAMSEYNDRANSOMNDRENVILLENDROLETTENDSARGENTNDSHERIDANNDSIOUXNDSLOPENDSTARKNDSTUTSMANNDTOWNERNDWALSHNDWALSHNDWARDNDWELLSNDWILLIAMS	39 39 39 39 39 39 39 39 39 39 39 39 39 3	St C 025 027 029 031 033 035 037 039 041 043 045 047 049 051 055 057 059 061 053 055 057 059 061 063 065 067 069 071 073 075 079 081	A H	bbrv Name CLERMONT CLINTON COLUMBIANA COSHOCTON CRAWFORD CUYAHOGA DARKE DEFIANCE DEFIANCE DELAWARE ERIE FAIRFIELD FAYETTE FRANKLIN FULTON GALLIA GEAUGA GREENE GUERNSEY HAMILTON HANCOCK HARDIN HARRISON HENRY HIGHLAND HOCKING HOLMES HURON JACKSON JEFFERSON
38 105 OHIO	ND WILLIAMS OH STATE TOTAL OH ADAMS OH ALLEN OH ASHLAND OH ASHLAND OH ASHTABULA OH ATHENS OH AUGLAIZE	39 39 39 39 39 39 39 39 39 39 39	075 077 079 081 083 085 087 089 091 093	OH OH OH OH OH OH OH OH OH	HOLMES HURON JACKSON JEFFERSON KNOX LAKE LAWRENCE LICKING LOGAN LORAIN
390133901539017390193902139023	OH BELMONT OH BROWN OH BUTLER OH CARROLL OH CHAMPAIGN OH CLARK	39 39 39 39 39 39 39	095 097 099 101 103 105	OH OH OH OH OH	LUCAS MADISON MAHONING MARION MEDINA MEIGS

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

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

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

FIPS	S	State	County		FIPS	S	tate County
St	Cnty		Name		St C	nty A	bbrv Name
15	000	SC	CHESTER	16	000	SD	BON HOMME
45 45	023 025	SC	CHESTERFIELD	46 46	009 011	SD	BROOKINGS
45	025	SC	CLARENDON	46	013	SD	BROWN
45	029	SC	COLLETON	46	015	SD	BRULE
45	031	SC	DARLINGTON	46	017	SD	BUFFALO
45	033	SC	DILLON	46	019	SD	BUTTE
45	035	SC	DORCHESTER	46	021	SD	CAMPBELL
45	037	SC	EDGEFIELD	46	023	SD	CHARLES MIX
45	039	SC	FAIRFIELD	46	025	SD	CLARK
45	041	SC	FLORENCE	46	027	SD	CLAY
45	043	SC	GEORGETOWN	46	029	SD	CODINGTON
45	045	SC	GREENVILLE	46	031	SD	CORSON
45	047	SC	GREENWOOD	46	033	SD	CUSTER
45	049	SC	HAMPTON	46	035	SD	DAVISON
45	051	SC	HORRY	46	037	SD	DAY
45	053	SC	JASPER	46	039	SD	DEUEL
45	055	SC	KERSHAW	46	041	SD	DEWEY
45	057	SC	LANCASTER	46	043	SD	DOUGLAS
45	059	SC	LAURENS	46	045	SD	EDMUNDS
45	061	SC	LEE	46	047	SD	FALL RIVER
45	063	SC	LEXINGTON	46	049	SD	FAULK
45	065	SC	MCCORMICK	46	051	SD	GRANT
45 45	067	SC	MARION	46	053	SD	GREGORY
45 45	069	SC SC	MARLBORO NEWBERRY	46 46	055	SD SD	HAAKON HAMLIN
45 45	071 073	SC	OCONEE	46 46	057 059	SD SD	HAND
45 45	075	SC	ORANGEBURG	40 46	059	SD	HANSON
45 45	075	SC	PICKENS	40 46	063	SD	HARDING
45 45	079	SC	RICHLAND	46	065	SD	HUGHES
45	081	SC	SALUDA	46	067	SD	HUTCHINSON
45	083	SC	SPARTANBURG	46	069	SD	HYDE
45	085	SC	SUMTER	46	071	SD	JACKSON
45	087	SC	UNION	46	073	SD	JERAULD
45	089	SC	WILLIAMSBURG	46	075	SD	JONES
45	091	SC	YORK	46	077	SD	KINGSBURY
				46	079	SD	LAKE
SOL	JTH D	ΑΚΟΤΑ	L Contraction of the second	46	081	SD	LAWRENCE
46	000	SD	STATE TOTAL	46	083	SD	LINCOLN
46	003	SD	AURORA	46	085	SD	LYMAN
46	005	SD	BEADLE	46	087	SD	MCCOOK
46	007	SD	BENNETT	46	089	SD	MCPHERSON

FIP	S	State	County		FIPS	S	tate County
St	Cnty		Name		St C		bbrv Name
40	004	0.0		47			
46	091	SD	MARSHALL	47	033	TN	
46	093	SD		47	035	TN	
46	095 097	SD	MELLETTE MINER	47 47	037 039	TN TN	
46 46	097	SD SD	MINNEHAHA	47 47	039 041	TN	DECATUR DEKALB
46 46	101	SD	MOODY	47	041	TN	DICKSON
40 46	101	SD	PENNINGTON	47	045	TN	DYER
40 46	105	SD	PERKINS	47	045	TN	FAYETTE
40	103	SD	POTTER	47	047	TN	FENTRESS
46	109	SD	ROBERTS	47	051	TN	FRANKLIN
46 46	111	SD	SANBORN	47	053	TN	GIBSON
46	113	SD	SHANNON	47	055	TN	GILES
46	115	SD	SPINK	47	057	TN	GRAINGER
46	117	SD	STANLEY	47	059	TN	GREENE
46	119	SD	SULLY	47	061	ΤN	GRUNDY
46	121	SD	TODD	47	063	TN	HAMBLEN
46	123	SD	TRIPP	47	065	TN	HAMILTON
46	125	SD	TURNER	47	067	TN	HANCOCK
46	127	SD	UNION	47	069	TN	HARDEMAN
46	129	SD	WALWORTH	47	071	ΤN	HARDIN
46	135	SD	YANKTON	47	073	ΤN	HAWKINS
46	137	SD	ZIEBACH	47	075	ΤN	HAYWOOD
				47	077	ΤN	HENDERSON
TEN	NESS	EE		47	079	ΤN	HENRY
47	000	ΤN	STATE TOTAL	47	081	ΤN	HICKMAN
47	001	ΤN	ANDERSON	47	083	ΤN	HOUSTON
47	003	ΤN	BEDFORD	47	085	ΤN	HUMPHREYS
47	005	ΤN	BENTON	47	087	ΤN	JACKSON
47	007	ΤN	BLEDSOE	47	089	ΤN	JEFFERSON
47	009	ΤN	BLOUNT	47	091	ΤN	JOHNSON
47	011	ΤN	BRADLEY	47	093	ΤN	KNOX
47	013	ΤN	CAMPBELL	47	095	ΤN	LAKE
47	015	ΤN	CANNON	47	097	ΤN	LAUDERDALE
47	017	ΤN	CARROLL	47	099	ΤN	LAWRENCE
47	019	ΤN	CARTER	47	101	ΤN	LEWIS
47	021	ΤN	CHEATHAM	47	103	ΤN	LINCOLN
47	023	ΤN	CHESTER	47	105	ΤN	LOUDON
47	025	TN	CLAIBORNE	47	107	ΤN	MCMINN
47	027	TN	CLAY	47	109	ΤN	MCNAIRY
47	029	TN	COCKE	47	111	TN	MACON
47	031	ΤN	COFFEE	47	113	ΤN	MADISON

FIP	S	State	County		FIPS		State County
St	Cnty		Name				Abbrv Name
	,					,	
47	115	ΤN	MARION	48	001	ТΧ	ANDERSON
47	117	ΤN	MARSHALL	48	003	ТΧ	ANDREWS
47	119	ΤN	MAURY	48	005	ТΧ	ANGELINA
47	121	ΤN	MEIGS	48	007	ТΧ	ARANSAS
47	123	ΤN	MONROE	48	009	ТΧ	ARCHER
47	125	ΤN	MONTGOMERY	48	011	ТΧ	ARMSTRONG
47	127	ΤN	MOORE	48	013	ТΧ	ATASCOSA
47	129	ΤN	MORGAN	48	015	ТΧ	AUSTIN
47	131	ΤN	OBION	48	017	ТΧ	BAILEY
47	133	ΤN	OVERTON	48	019	ТΧ	BANDERA
47	135	ΤN	PERRY	48	021	ТΧ	BASTROP
47	137	ΤN	PICKETT	48	023	ТΧ	BAYLOR
47	139	ΤN	POLK	48	025	ТΧ	BEE
47	141	ΤN	PUTNAM	48	027	ТΧ	BELL
47	143	ΤN	RHEA	48	029	ТΧ	BEXAR
47	145	ΤN	ROANE	48	031	ТΧ	BLANCO
47	147	ΤN	ROBERTSON	48	033	ТΧ	BORDEN
47	149	ΤN	RUTHERFORD	48	035	ТΧ	BOSQUE
47	151	ΤN	SCOTT	48	037	ТΧ	BOWIE
47	153	ΤN	SEQUATCHIE	48	039	ТΧ	BRAZORIA
47	155	ΤN	SEVIER	48	041	ТΧ	BRAZOS
47	157	ΤN	SHELBY	48	043	ТΧ	BREWSTER
47	159	ΤN	SMITH	48	045	ТΧ	BRISCOE
47	161	ΤN	STEWART	48	047	ТΧ	BROOKS
47	163	ΤN	SULLIVAN	48	049	ТΧ	BROWN
47	165	ΤN	SUMNER	48	051	ТΧ	BURLESON
47	167	ΤN	TIPTON	48	053	ТΧ	BURNET
47	169	ΤN	TROUSDALE	48	055	ТΧ	CALDWELL
47	171	ΤN	UNICOI	48	057	ТΧ	CALHOUN
47	173	ΤN	UNION	48	059	ТΧ	CALLAHAN
47	175	ΤN	VAN BUREN	48	061	ТΧ	CAMERON
47	177	ΤN	WARREN	48	063	ТΧ	CAMP
47	179	ΤN	WASHINGTON	48	065	ТΧ	CARSON
47	181	ΤN	WAYNE	48	067	ТΧ	CASS
47	183	ΤN	WEAKLEY	48	069	ТΧ	CASTRO
47	185	TN	WHITE	48	071	TX	CHAMBERS
47	187	TN	WILLIAMSON	48	073	ΤX	CHEROKEE
47	189	ΤN	WILSON	48	075	TX	CHILDRESS
				48	077	TX	CLAY
	(AS			48	079	TX	COCHRAN
48	000	ТΧ	STATE TOTAL	48	081	ТΧ	COKE

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

FIP	S	State	County		FIPS	S	tate County
St	Cnty		Name		St C		bbrv Name
40	0.47			40	000		
48	247	TX	JIM HOGG	48	329	TX	MIDLAND
48	249	TX	JIM WELLS	48	331	TX	MILAM
48	251	TX	JOHNSON	48	333	TX	MILLS
48	253	TX	JONES	48	335	TX	MITCHELL
48	255	TX	KARNES	48	337	TX	MONTAGUE
48	257	TX	KAUFMAN	48	339	TX	MONTGOMERY
48	259	TX	KENDALL	48	341	TX	MOORE
48	261	TX	KENEDY	48	343	TX	MORRIS
48	263	ΤX	KENT	48	345	TX	MOTLEY
48	265	TX	KERR	48	347	TX	NACOGDOCHES
48	267	TX	KIMBLE	48	349	TX	NAVARRO
48	269	ΤX	KING	48	351	TX	NEWTON
48	271	ΤX	KINNEY	48	353	TX	NOLAN
48	273	TX	KLEBERG	48	355	TX	NUECES
48	275	TX	KNOX	48	357	TX	OCHILTREE
48	277	TX	LAMAR	48	359	TX	OLDHAM
48	279	TX	LAMB	48	361	TX	ORANGE
48	281	TX	LAMPASAS	48	363	TX	PALO PINTO
48	283	ΤX	LA SALLE	48	365	ΤX	PANOLA
48	285	ТΧ	LAVACA	48	367	ТΧ	PARKER
48	287	ТΧ	LEE	48	369	ТΧ	PARMER
48	289	ТΧ	LEON	48	371	ТΧ	PECOS
48	291	ТΧ	LIBERTY	48	373	ТΧ	POLK
48	293	ТΧ	LIMESTONE	48	375	ТΧ	POTTER
48	295	ТΧ	LIPSCOMB	48	377	ТΧ	PRESIDIO
48	297	ТΧ	LIVE OAK	48	379	ТΧ	RAINS
48	299	ТΧ	LLANO	48	381	ТΧ	RANDALL
48	301	ТΧ	LOVING	48	383	ТΧ	REAGAN
48	303	ТΧ	LUBBOCK	48	385	ТΧ	REAL
48	305	ТΧ	LYNN	48	387	ТΧ	RED RIVER
48	307	ТΧ	MCCULLOCH	48	389	ТΧ	REEVES
48	309	ТΧ	MCLENNAN	48	391	ТΧ	REFUGIO
48	311	ТΧ	MCMULLEN	48	393	ТΧ	ROBERTS
48	313	ТΧ	MADISON	48	395	ТΧ	ROBERTSON
48	315	ТΧ	MARION	48	397	ТΧ	ROCKWALL
48	317	ТΧ	MARTIN	48	399	ТΧ	RUNNELS
48	319	ТΧ	MASON	48	401	ТΧ	RUSK
48	321	ТΧ	MATAGORDA	48	403	ТΧ	SABINE
48	323	ТΧ	MAVERICK	48	405	ТΧ	SAN AUGUSTINE
48	325	ТΧ	MEDINA	48	407	ТΧ	SAN JACINTO
48	327	ТΧ	MENARD	48	409	ТΧ	SAN PATRICIO

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48	411	ТΧ	SAN SABA	48	493	ТΧ	WILSON
48	413	ТΧ	SCHLEICHER	48	495	ТΧ	WINKLER
48	415	ТΧ	SCURRY	48	497	ТΧ	WISE
48	417	ТΧ	SHACKELFORD	48	499	ТΧ	WOOD
48	419	ТΧ	SHELBY	48	501	ТΧ	YOAKUM
48	421	ТΧ	SHERMAN	48	503	ТΧ	YOUNG
48	423	ТΧ	SMITH	48	505	ТΧ	ZAPATA
48	425	ТΧ	SOMERVELL	48	507	ТΧ	ZAVALA
48	427	ТΧ	STARR				
48	429	ТΧ	STEPHENS	UT/	٩H		
48	431	ТΧ	STERLING	49	000	UT	STATE TOTAL
48	433	ТΧ	STONEWALL	49	001	UT	BEAVER
48	435	ТΧ	SUTTON	49	003	UT	BOX ELDER
48	437	ТΧ	SWISHER	49	005	UT	CACHE
48	439	ТΧ	TARRANT	49	007	UT	CARBON
48	441	ТΧ	TAYLOR	49	009	UT	DAGGETT
48	443	ТΧ	TERRELL	49	011	UT	DAVIS
48	445	ТΧ	TERRY	49	013	UT	DUCHESSE
48	447	ТΧ	THROCKMORTON	49	015	UT	EMERY
48	449	ТΧ	TITUS	49	017	UT	GARFIELD
48	451	ТΧ	TOM GREEN	49	019	UT	GRAND
48	453	ТΧ	TRAVIS	49	021	UT	IRON
48	455	ТΧ	TRINITY	49	023	UT	JUAB
48	457	ТΧ	TYLER	49	025	UT	KANE
48	459	ТΧ	UPSHUR	49	027	UT	MILLARD
48	461	ТΧ	UPTON	49	029	UT	MORGAN
48	463	ТΧ	UVALDE	49	031	UT	PIUTE
48	465	ТΧ	VAL VERDE	49	033	UT	RICH
48	467	ТΧ	VAN ZANDT	49	035	UT	SALT LAKE
48	469	ТΧ	VICTORIA	49	037	UT	SAN JUAN
48	471	ТΧ	WALKER	49	039	UT	SANPETE
48	473	ТΧ	WALLER	49	041	UT	SEVIER
48	475	ТΧ	WARD	49	043	UT	SUMMIT
48	477	ТΧ	WASHINGTON	49	045	UT	TOOELE
48	479	ТΧ	WEBB	49	047	UT	UINTAH
48	481	ТΧ	WHARTON	49	049	UT	UTAH
48	483	ТΧ	WHEELER	49	051	UT	WASATCH
48	485	ТΧ	WICHITA	49	053	UT	WASHINGTON
48	487	ТΧ	WILBARGER	49	055	UT	WAYNE
48	489	ТΧ	WILLACY	49	057	UT	WEBER
48	491	ТΧ	WILLIAMSON				

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51 007 VA AMELIA 51 091 VA HIGHLAND
51 009 VA AMHERST 51 093 VA ISLE OF WIGHT
51 011 VA APPOMATTOX 51 095 VA JAMES CITY
51 013 VA ARLINGTON 51 097 VA KING AND QUEEN
51 015 VA AUGUSTA 51 099 VA KING GEORGE
51 017 VA BATH 51 101 VA KING WILLIAM
51 019 VA BEDFORD 51 103 VA LANCASTER
51 021 VA BLAND 51 105 VA LEE
51 023 VA BOTETOURT 51 107 VA LOUDOUN
51 025 VA BRUNSWICK 51 109 VA LOUISA
51 027 VA BUCHANAN 51 111 VA LUNENBURG
51 029 VA BUCKINGHAM 51 113 VA MADISON
51 031 VA CAMPBELL 51 115 VA MATHEWS
51 033 VA CAROLINE 51 117 VA MECKLENBURG
51 035 VA CARROLL 51 119 VA MIDDLESEX
51 036 VA CHARLES CITY 51 121 VA MONTGOMERY
51 037 VA CHARLOTTE 51 125 VA NELSON
51 041 VA CHESTERFIELD 51 127 VA NEW KENT
51 043 VA CLARKE 51 131 VA NORTHAMPTON

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

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

FIPS		State County		FIPS			State County	
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54	095	WV	TYLER	55	061	WI	KEWAUNEE	
54	097	WV	UPSHUR	55	063	WI	LA CROSSE	
54	099	WV	WAYNE	55	065	WI	LAFAYETTE	
54	101	WV	WEBSTER	55	067	WI	LANGLADE	
54	103	WV	WETZEL	55	069	WI	LINCOLN	
54	105	WV	WIRT	55	071	WI	MANITOWOC	
54	107	WV	WOOD	55	073	WI	MARATHON	
54	109	WV	WYOMING	55	075	WI	MARINETTE	
				55	077	WI	MARQUETTE	
WIS	SCONS	IN		55	078	WI	MENOMINEE	
55	000	WI	STATE TOTAL	55	079	WI	MILWAUKEE	
55	001	WI	ADAMS	55	081	WI	MONROE	
55	003	WI	ASHLAND	55	083	WI	OCONTO	
55	005	WI	BARRON	55	085	WI	ONEIDA	
55	007	WI	BAYFIELD	55	087	WI	OUTAGAMIE	
55	009	WI	BROWN	55	089	WI	OZAUKEE	
55	011	WI	BUFFALO	55	091	WI	PEPIN	
55	013	WI	BURNETT	55	093	WI	PIERCE	
55	015	WI	CALUMET	55	095	WI	POLK	
55	017	WI	CHIPPEWA	55	097	WI	PORTAGE	
55	019	WI	CLARK	55	099	WI	PRICE	
55	021	WI	COLUMBIA	55	101	WI	RACINE	
55	023	WI	CRAWFORD	55	103	WI	RICHLAND	
55	025	WI	DANE	55	105	WI	ROCK	
55	027	WI	DODGE	55	107	WI	RUSK	
55	029	WI	DOOR	55	109	WI	ST. CROIX	
55	031	WI	DOUGLAS	55	111	WI	SAUK	
55	033	WI		55	113	WI	SAWYER	
55	035	WI		55	115	WI	SHAWANO	
55	037	WI	FLORENCE	55	117	WI	SHEBOYGAN	
55 55	039	WI	FOND DU LAC	55 55	119	WI		
55 55	041 043	WI WI	FOREST	55 55	121	WI		
55 55	043 045	WI	GRANT GREEN	55 55	123 125	WI WI	VERNON VILAS	
55 55	045 047	WI	GREEN LAKE	55 55	125	WI	WALWORTH	
55	047	WI	IOWA	55 55	127	WI	WASHBURN	
55	049	WI	IRON	55	131	WI	WASHINGTON	
55	053	WI	JACKSON	55 55	133	WI	WAUKESHA	
55	055	WI	JEFFERSON	55	135	WI	WAUPACA	
55	057	WI	JUNEAU	55	137	WI	WAUSHARA	
55	059	WI	KENOSHA	55	139	WI	WINNEBAGO	
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55	141	WI	WOOD	56 56	021 023	WY WY	LARAMIE LINCOLN
WYOMING				56	025	WY	NATRONA
56	000	WY	STATE TOTAL	56	027	WY	NIOBRARA
56	001	WY	ALBANY	56	029	WY	PARK
56	003	WY	BIG HORN	56	031	WY	PLATTE
56	005	WY	CAMPBELL	56	033	WY	SHERIDAN
56	007	WY	CARBON	56	035	WY	SUBLETTE
56	009	WY	CONVERSE	56	037	WY	SWEETWATER
56	011	WY	CROOK	56	039	WY	TETON
56	013	WY	FREMONT	56	041	WY	UINTA
56	015	WY	GOSHEN	56	043	WY	WASHAKIE
56	017	WY	HOT SPRINGS	56	045	WY	WESTON
56	019	WY	JOHNSON				

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