

October 2007

Geography of the 2000 Census Handouts

Robert G. Cromley

University of Connecticut, robert.cromley@uconn.edu

Follow this and additional works at: http://digitalcommons.uconn.edu/uccgia_datainitiative

Recommended Citation

Cromley, Robert G., "Geography of the 2000 Census Handouts" (2007). *UCCGIA Census Geographic Data Initiative*. 2.
http://digitalcommons.uconn.edu/uccgia_datainitiative/2

Summary File 3

2000

2000 Census of Population and Housing

Issued July 2007

SF3/18 (RV)

Technical Documentation



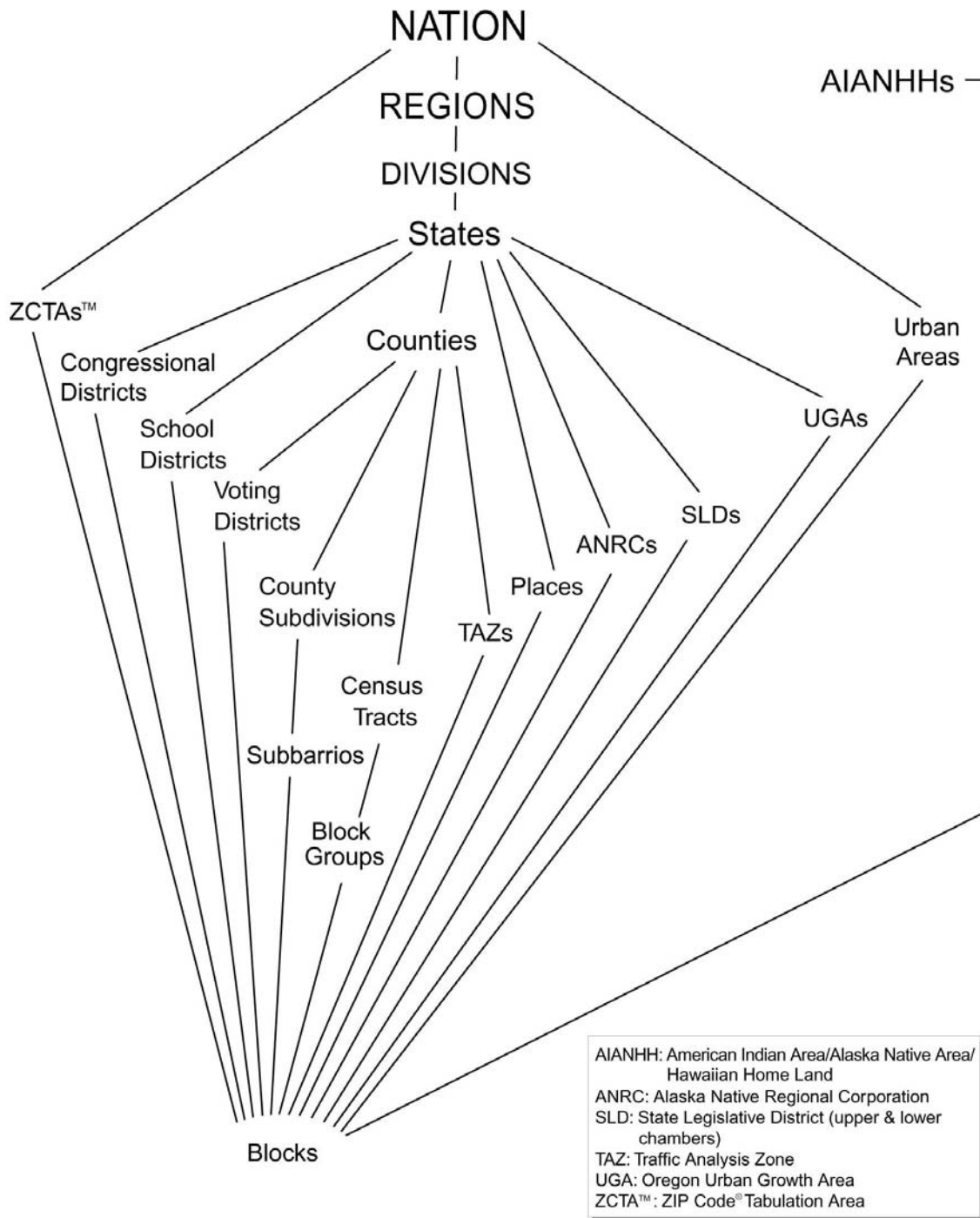
US CENSUS BUREAU

Helping You Make Informed Decisions • 1902-2002

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



Figure A-1. **Standard Hierarchy of Census Geographic Entities**



(see [TIGER®](#) database). These area measurements are recorded as whole square meters. (To convert square meters to square kilometers, divide by 1,000,000; to convert square kilometers to square miles, divide by 2.58999; to convert square meters to square miles, divide by 2,589,988.)

The U.S. Census Bureau provides area measurement data for both land area and total water area. The water area figures include inland, coastal, Great Lakes, and territorial water. (For the 1990 census, the U.S. Census Bureau provided area measurements for land and total water; water area for each of the four water classifications was available in the Geographic Identification Code Scheme (GICS) product only.) “Inland water” consists of any lake, reservoir, pond, or similar body of water that is recorded in the U.S. Census Bureau’s geographic database. It also includes any river, creek, canal, stream, or similar feature that is recorded in that database as a two-dimensional feature (rather than as a single line). The portions of the oceans and related large embayments (such as the Chesapeake Bay and Puget Sound), the Gulf of Mexico, and the Caribbean Sea that belong to the United States and its territories are classified as “coastal” and “territorial” waters; the Great Lakes are treated as a separate water entity. Rivers and bays that empty into these bodies of water are treated as “inland water” from the point beyond which they are narrower than one nautical mile across. Identification of land and inland, coastal, territorial, and Great Lakes waters is for data presentation purposes only and does not necessarily reflect their legal definitions.

Land and water area measurements may disagree with the information displayed on U.S. Census Bureau maps and in the [TIGER®](#) database because, for area measurement purposes, features identified as “intermittent water” and “glacier” are reported as land area. For this reason, it may not be possible to derive the land area for an entity by summing the land area of its component census blocks. In addition, the water area measurement reported for some geographic entities includes water that is not included in any lower-level geographic entity. Therefore, because water is contained only in a higher-level geographic entity, summing the water measurements for all the component lower-level geographic entities will not yield the water area of that higher-level entity. This occurs, for example, where water is associated with a county but is not within the legal boundary of any minor civil division. Crews-of-vessels entities (see [CENSUS TRACT](#) and [CENSUS BLOCK](#)) do not encompass territory and, therefore, have no area measurements.

The accuracy of any area measurement data is limited by the accuracy inherent in (1) the location and shape of the various boundary information in the [TIGER®](#) database, (2) the location and shapes of the shorelines of water bodies in that database, and (3) rounding affecting the last digit in all operations that compute and/or sum the area measurements.

BLOCK GROUP (BG)

A block group (BG) is a cluster of census blocks having the same first digit of their four-digit identifying numbers within a census tract. For example, block group 3 (BG 3) within a census tract includes all blocks numbered from 3000 to 3999. BGs generally contain between 600 and 3,000 people, with an optimum size of 1,500 people. BGs on American Indian reservations, off-reservation trust lands, and special places must contain a minimum of 300 people. (Special places include correctional institutions, military installations, college campuses, worker’s dormitories, hospitals, nursing homes, and group homes.)

Most BGs were delineated by local participants as part of the U.S. Census Bureau’s Participant Statistical Areas Program. The U.S. Census Bureau delineated BGs only where a local, state, or tribal government declined to participate or where the U.S. Census Bureau could not identify a potential local or tribal participant.

BGs never cross the boundaries of states, counties, or statistically equivalent entities, except for a BG delineated by American Indian tribal authorities, and then only when tabulated within the American Indian hierarchy (see [TRIBAL BLOCK GROUP](#)). BGs never cross the boundaries of census tracts, but may cross the boundary of any other geographic entity required as a census block boundary (see [CENSUS BLOCK](#)).

In decennial census data tabulations, a BG may be split to present data for every unique combination of American Indian area, Alaska Native area, Hawaiian home land, congressional district, county subdivision, place, voting district, or other tabulation entity shown in the data products. For example, if BG 3 is partly in a city and partly outside the city, there are separate tabulated records for each portion of BG 3. BGs are used in tabulating data nationwide, as was done for the

1990 census, for all block-numbered areas in the 1980 census, and for selected areas in the 1970 census. For data presentation purposes, BGs are a substitute for the enumeration districts (EDs) used for reporting data in many parts of the United States for the 1970 and 1980 censuses and in all areas before 1970. Also, BGs are the lowest level of the geographic hierarchy for which the U.S. Census Bureau tabulates and presents sample data.

BOUNDARY CHANGES

Many of the legal and statistical entities for which the U.S. Census Bureau tabulates decennial census data have had boundary changes between the 1990 census and Census 2000; that is, between January 2, 1990, and January 1, 2000. Boundary changes to legal entities result from:

1. Annexations to or detachments from legally established governmental units.
2. Mergers or consolidations of two or more governmental units.
3. Establishment of new governmental units.
4. Disincorporations or disorganizations of existing governmental units.
5. Changes in treaties or executive orders, and governmental action placing additional lands in trust.
6. Decisions by federal, state, and local courts.
7. Redistricting for congressional districts or county subdivisions that represent single-member districts for election to a county governing board.

Statistical entity boundaries generally are reviewed by local, state, or tribal governments and can have changes to adjust boundaries to visible features to better define the geographic area each encompasses or to account for shifts and changes in the population distribution within an area.

The historical counts shown for counties, county subdivisions, places, and American Indian, Alaska Native, and Native Hawaiian areas are not updated for such changes, and thus reflect the population and housing units in each entity as delineated at the time of each decennial census. Boundary changes are not reported for some entities, such as census designated places and block groups.

Changes to the boundaries for census tracts and, for the first time, for census blocks are available in relationship files, which are only available in computer-readable form. The census tract relationship files feature the relationship of census tracts/block numbering areas at the time of the 1990 census to census tracts for Census 2000, and vice versa, including partial relationships. For the first time, the census tract relationship files show a measure of the magnitude of change using the proportion of the length of roads and sides of roads contained in partial census tracts. This information can be used to proportion the data for the areas where census tracts have changed.

The census block relationship files, which are available only in computer-readable form, present relationships of the 1990 census and Census 2000 blocks on the basis of whole blocks or part blocks ("P"). The following relationships can be derived:

	1990 census block	2000 census block
One to one	601	1017
One to many	101 P	3028
	101 P	2834
Many to one	410	2554 P
	503	2554 P
Many to many	404	1007 P
	501 P	1007 P
	502 P	1008 P

Block relationship files are available to compare the following sets of census blocks:

- 1990 tabulation block to 2000 collection block,
- 2000 collection block to 2000 tabulation block, and
- 1990 tabulation block to 2000 tabulation block.

Census tract relationship files and block relationship files are not geographic equivalency files. For a true areal comparison between the census tracts/block numbering areas and blocks used for the 1990 census and the census tracts and blocks used for Census 2000 (as well as other geographic areas), it is necessary to use the 2000 TIGER/Line® files. The 2000 TIGER/Line files will contain 1990 and 2000 boundaries for counties and statistically equivalent entities, county subdivisions, places, American Indian areas, Alaska Native village statistical areas, census tracts, census blocks, and by derivation from the census blocks, block groups.

CENSUS BLOCK

Census blocks are areas bounded on all sides by visible features, such as streets, roads, streams, and railroad tracks, and by invisible boundaries, such as city, town, township, and county limits, property lines, and short, imaginary extensions of streets and roads. Generally, census blocks are small in area; for example, a block bounded by city streets. However, census blocks in sparsely settled areas may contain many square miles of territory.

All territory in the United States, Puerto Rico, and the Island Areas has been assigned block numbers, as was the case for the 1990 census. To improve operational efficiency and geographic identifications, the U.S. Census Bureau has introduced different numbering systems for tabulation blocks used in decennial census data products, and for collection blocks, used in administering the census. (In 1990, there generally was a single numbering system.) Collection block numbers are available only in the TIGER/Line® data products; the U.S. Census Bureau does not tabulate data for collection blocks.

Many tabulation blocks, used in decennial census data products, represent the same geographic area as the collection blocks used in the Census 2000 enumeration process. Where the collection blocks include territory in two or more geographic entities, each unique piece required for data tabulation is identified as a separate tabulation block with a separate block number. It is possible for two or more collection blocks to be combined into a single tabulation block. This situation can occur when a visible feature established as a collection block boundary is deleted during the field update operation. Tabulation blocks do not cross the boundaries of any entity for which the U.S. Census Bureau tabulates data, including American Indian areas, Alaska Native areas, Hawaiian home lands, census tracts, congressional districts, counties, county subdivisions, places, state legislative districts, urban and rural areas, school districts, voting districts, and ZIP Code® tabulation areas. Tabulation blocks also generally do not cross the boundaries of certain landmarks, including military installations, national parks, and national monuments.

Tabulation blocks are identified uniquely within census tract by means of a four-digit number. (The 1990 census block numbers had three digits, with a potential alphabetic suffix.) The Census 2000 collection blocks are numbered uniquely within county (or statistically equivalent entity), and consist of four or five digits. For its Census 2000 data tabulations, the U.S. Census Bureau created a unique set of census block numbers immediately before beginning the tabulation process. These are the census block numbers seen in the data presentations. For the 1990 census, the U.S. Census Bureau created a separate block with a suffix of “Z” to identify crews-of-vessels population. For Census 2000, crews-of-vessels population is assigned to the land block identified by the U.S. Census Bureau as associated with the home port of the vessel.

Participants in certain U.S. Census Bureau-sponsored programs were able to request that line features in the TIGER® database be held as tabulation block boundaries, provided that these conformed to U.S. Census Bureau criteria. This option was available to participants in the Census 2000 Redistricting Data Program (the Block Boundary Suggestion Project), American Indian and Alaska Native Area Tribal Review (Block Definition Project), and the District of Columbia and the Puerto Rico Block Boundary Definition Project.

The U.S. Census Bureau introduced a different method for identifying the water areas of census blocks. For the 1990 census, water was not uniquely identified within a census block; instead, all water area internal to a block group was given a single block number ending in “99” (for example,

in block group 1, all water was identified as block 199). A suffix was added to each water block number where the block existed in more than one tabulation entity within its block group. For Census 2000, water area located completely within the boundary of a single land tabulation block has the same block number as that land block. Water area that touches more than one land block is assigned a unique block number not associated with any adjacent land block. The water block numbers begin with the block group number followed by “999” and proceed in descending order (for example, in block group 3, the numbers assigned to water areas that border multiple land blocks are 3999, 3998, etc.). In some block groups, the numbering of land blocks might use enough of the available numbers to reach beyond the 900 range within the block group. For this reason, and because some land blocks include water (ponds and small lakes), no conclusions about whether a block is all land or all water can be made by looking at the block number. The land/water flag, set at the polygon level in the TIGER® database and shown in TIGER/Line® and statistical data tabulation files, is the only way to know if a block is all water when viewing the computer files. On maps, water areas are shown with a screen symbol.

CENSUS DIVISION

Census divisions are groupings of states and the District of Columbia that are subdivisions of the four census regions. There are nine census divisions, which the U.S. Census Bureau established in 1910 for the presentation of census data. Each census division is identified by a one-digit census code; the same number appears as the first digit in the two-digit census state code (see [STATE](#)).

Puerto Rico and the Island Areas are not part of any census region or census division. For a list of all census regions, census divisions, and their constituent states, see [Figure A-3](#).

CENSUS REGION

Census regions are groupings of states and the District of Columbia that subdivide the United States for the presentation of census data. There are four census regions—Northeast, Midwest, South, and West. Each of the four census regions is divided into two or more census divisions. Before 1984, the Midwest region was named the North Central region. From 1910, when census regions were established, through the 1940s, there were three census regions—North, South, and West. Each census region is identified by a single-digit census code.

Puerto Rico and the Island Areas are not part of any census region or census division. For a list of all census regions, census divisions, and their constituent states, see [Figure A-3](#).

CENSUS TRACT

Census tracts are small, relatively permanent statistical subdivisions of a county or statistically equivalent entity delineated by local participants as part of the U.S. Census Bureau’s Participant Statistical Areas Program. The U.S. Census Bureau delineated census tracts where no local participant existed or where a local or tribal government declined to participate. The primary purpose of census tracts is to provide a stable set of geographic units for the presentation of decennial census data. This is the first decennial census for which the entire United States is covered by census tracts. For the 1990 census, some counties had census tracts and others had block numbering areas (BNAs). For Census 2000, all BNAs were replaced by census tracts, which may or may not represent the same areas.

Census tracts in the United States, Puerto Rico, and the Virgin Islands of the United States generally have between 1,500 and 8,000 people, with an optimum size of 4,000 people. For American Samoa, the Northern Mariana Islands, and Guam, the optimum size is 2,500 people. Counties and statistically equivalent entities with fewer than 1,500 people have a single census tract. Census tracts on American Indian reservations, off-reservation trust lands, and special places must contain a minimum of 1,000 people. (Special places include correctional institutions, military installations, college campuses, workers’ dormitories, hospitals, nursing homes, and group homes.) When first delineated, census tracts are designed to be relatively homogeneous with respect to population characteristics, economic status, and living conditions. The spatial size of census tracts varies widely depending on the density of settlement. Census tract boundaries are

delineated with the intention of being maintained over many decades so that statistical comparisons can be made from decennial census to decennial census. However, physical changes in street patterns caused by highway construction, new developments, and so forth, may require occasional boundary revisions. In addition, census tracts occasionally are split due to population growth or combined as a result of substantial population decline.

Census tracts are identified by a four-digit basic number and may have a two-digit numeric suffix; for example, 6059.02. The decimal point separating the four-digit basic tract number from the two-digit suffix is shown in the printed reports and on census maps. In computer-readable files, the decimal point is implied. Many census tracts do not have a suffix; in such cases, the suffix field is either left blank or is zero-filled. Leading zeros in a census tract number (for example, 002502) are shown only in computer-readable files. Census tract suffixes may range from .01 to .98. For the 1990 census, the .99 suffix was reserved for census tracts/block numbering areas (BNAs) that contained only crews-of-vessels population; for Census 2000, the crews-of-vessels population is included with the related census tract.

Census tract numbers range from 1 to 9999 and are unique within a county or statistically equivalent entity. The U.S. Census Bureau reserves the basic census tract numbers 9400 to 9499 for census tracts delineated within or to encompass American Indian reservations and off-reservation trust lands that exist in multiple states or counties (see [TRIBAL CENSUS TRACTS](#)). The number 0000 in computer-readable files identifies a census tract delineated to provide complete coverage of water area in territorial seas and the Great Lakes.

CONGRESSIONAL DISTRICT (CD)

Congressional districts (CDs) are the 435 areas from which people are elected to the U.S. House of Representatives. After the apportionment of congressional seats among the states, based on census population counts, each state is responsible for establishing CDs for the purpose of electing representatives. Each CD is to be as equal in population to all other CDs in the state as practicable.

The CDs in effect at the time of Census 2000 are those of the 106th Congress, whose session began in January 1999. The CDs of the 103rd Congress (January 1993 to 1995) were the first to reflect redistricting based on the 1990 census. These CD boundaries and numbers remained in effect until after Census 2000, except where a state initiative or a court-ordered redistricting had required a change. Six states redistricted for the 104th Congress (Georgia, Louisiana, Maine, Minnesota, South Carolina, and Virginia), five states redistricted for the 105th Congress (Florida, Georgia, Kentucky, Louisiana, and Texas), and three states (New York, North Carolina, and Virginia) redistricted for the 106th Congress. The 108th Congress will be the first to reflect reapportionment and redistricting based on Census 2000 data.

CDs are identified with a two-digit Federal Information Processing Standards (FIPS) code. The code "00" is used for states with a single representative.

American Samoa, Guam, the Virgin Islands of the United States, and the District of Columbia are represented in the House of Representatives by a delegate, and Puerto Rico by a resident commissioner, all of whom may not vote on the floor of the House of Representatives, but may vote on legislation as it is considered by committees to which they have been named. In computer-readable data products that display a congressional district field, the two-digit FIPS code "98" is used to identify such representational areas. The Northern Mariana Islands does not have representation in Congress. The FIPS code "99" identifies areas with no representation in Congress.

COUNTY (OR STATISTICALLY EQUIVALENT ENTITY)

The primary legal divisions of most states are termed "counties." In Louisiana, these divisions are known as parishes. In Alaska, which has no counties, the statistically equivalent entities are census areas, city and boroughs (as in Juneau City and Borough), a municipality (Anchorage), and organized boroughs. Census areas are delineated cooperatively for data presentation purposes by the state of Alaska and the U.S. Census Bureau. In four states (Maryland, Missouri, Nevada, and Virginia), there are one or more incorporated places that are independent of any county organization and thus constitute primary divisions of their states; these incorporated places are known as "independent cities" and are treated as equivalent to counties for data presentation purposes. (In

some data presentations, they may be treated as county subdivisions and places.) The District of Columbia has no primary divisions, and the entire area is considered equivalent to a county for data presentation purposes. In American Samoa, the primary divisions are districts and islands; in the Northern Mariana Islands, municipalities; in the Virgin Islands of the United States, the principal islands of St. Croix, St. John, and St. Thomas. Guam has no primary divisions, and the entire area is considered equivalent to a county for data presentation purposes.

Each county and statistically equivalent entity is assigned a three-digit Federal Information Processing Standards code that is unique within state. These codes are assigned in alphabetical order of county or county equivalent within state, except for the independent cities, which are assigned codes higher than and following the listing of counties.

COUNTY SUBDIVISION

County subdivisions are the primary divisions of counties and statistically equivalent entities for data presentation purposes. They include census county divisions, census subareas, minor civil divisions (MCDs), unorganized territories, and incorporated places that are independent of any MCD.

Each county subdivision is assigned a five-digit Federal Information Processing Standards (FIPS) code in alphabetical order within each state.

Census County Division (CCD)

Census county divisions (CCDs) are county subdivisions that were delineated by the U.S. Census Bureau, in cooperation with state and local government officials for data presentation purposes. CCDs have been established in 21 states where there are no legally established minor civil divisions (MCDs), where the MCDs do not have governmental or administrative purposes, where the boundaries of the MCDs are ambiguous or change frequently, and/or where the MCDs generally are not known to the public. CCDs have no legal functions and are not governmental units.

The boundaries of CCDs usually are delineated to follow visible features and coincide with census tracts where applicable. (In a few instances, two CCDs may constitute a single census tract.) The name of each CCD is based on a place, county, or well-known local name that identifies its location. CCDs have been established in the following 21 states: Alabama, Arizona, California, Colorado, Delaware, Florida, Georgia, Hawaii, Idaho, Kentucky, Montana, Nevada, New Mexico, Oklahoma, Oregon, South Carolina, Tennessee, Texas, Utah, Washington, and Wyoming.

Census Subarea

Census subareas are statistical subdivisions of boroughs, census areas, city and boroughs, and the municipality (entities that are statistically equivalent to counties) in Alaska. Census subareas are delineated cooperatively by the state of Alaska and the U.S. Census Bureau. They were first used for data presentation purposes in conjunction with the 1980 census.

Minor Civil Division (MCD)

Minor civil divisions (MCDs) are the primary governmental or administrative divisions of a county in many states (parish in Louisiana). MCDs represent many different kinds of legal entities with a wide variety of governmental and/or administrative functions. MCDs are variously designated as American Indian reservations, assessment districts, boroughs, charter townships, election districts, election precincts, gores, grants, locations, magisterial districts, parish governing authority districts, plantations, precincts, purchases, road districts, supervisors' districts, towns, and townships. In some states, all or some incorporated places are not located in any MCD (independent places) and thus serve as MCDs in their own right. In other states, incorporated places are part of the MCDs in which they are located (dependent places), or the pattern is mixed—some incorporated places are independent of MCDs and others are included within one or more MCDs. Independent cities, which are statistically equivalent to a county, also are treated as a separate MCD equivalent in states containing MCDs. In Maine and New York, there are American Indian reservations and off-reservation trust lands that serve as MCD equivalents; a separate MCD is created in each case where the American Indian area crosses a county boundary.

The U.S. Census Bureau recognizes MCDs in the following 28 states: Arkansas, Connecticut, Illinois, Indiana, Iowa, Kansas, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Hampshire, New Jersey, New York, North Carolina, North Dakota, Ohio, Pennsylvania, Rhode Island, South Dakota, Vermont, Virginia, West Virginia, and Wisconsin. The District of Columbia has no primary divisions, and the city of Washington is considered equivalent to an MCD for data presentation purposes. Arlington County, VA, also has no MCDs and the entire county is designated as an MCD with the name Arlington.

In the Island Areas, the U.S. Census Bureau recognizes the following entities as MCDs:

- American Samoa: Counties (within the three districts; the two islands have no legal subdivisions).
- Northern Mariana Islands: Municipal districts.
- Guam: Election districts.
- Virgin Islands of the United States: Census subdistricts.

The MCDs in 12 states (Connecticut, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and Wisconsin) also serve as general-purpose local governments that generally can perform the same governmental functions as incorporated places. The U.S. Census Bureau presents data for these MCDs in all data products in which it provides data for places.

Unorganized Territory

Unorganized territories occur in 10 minor civil division (MCD) states (Arkansas, Indiana, Iowa, Louisiana, Maine, Minnesota, North Carolina, North Dakota, Ohio, and South Dakota) where portions of counties are not included in any legally established MCD or independent incorporated place. The U.S. Census Bureau recognizes such areas as one or more separate county subdivisions for purposes of data presentation. It assigns each unorganized territory a descriptive name, followed by the designation “unorganized territory” or “UT.” Unorganized territories were first used for data presentation purposes in conjunction with the 1960 census.

GEOGRAPHIC CODE

Geographic codes are shown primarily in computer-readable data products, such as computer tape and CD-ROM/DVD media, including data tabulations and data tables associated with computer-readable boundary files, but they also are shown on some U.S. Census Bureau maps. Census codes are used only if there is no Federal Information Processing Standards (FIPS) code for the same geographic entity or if the FIPS code is not adequate for data presentation. A code that is not identified as either “census” or “FIPS” is usually a census code for which there is no FIPS equivalent. Entities that use only FIPS codes in U.S. Census Bureau products are congressional district, county and statistically equivalent entity, county subdivision, subbarrio, Alaska Native Regional Corporation, metropolitan area (that is, metropolitan statistical area, consolidated metropolitan statistical area, primary metropolitan statistical area, and New England county metropolitan area), place, and state. (A census code exists for each state, but was not assigned in alphabetical sequence and serves to organize the states by census region and census division.)

Census Code

Census codes are assigned for a variety of geographic entities, including American Indian area, Alaska Native village statistical area, Hawaiian home land, census division, census region, urbanized area, urban cluster, state legislative district, school district, urban growth area, and voting district. The structure, format, and meaning of census codes used in U.S. Census Bureau data products appear in the appropriate technical documentation.

Federal Information Processing Standards (FIPS) Code

Federal Information Processing Standards (FIPS) codes are assigned for a variety of geographic entities, including American Indian area, Alaska Native area, Hawaiian home land, congressional district, county, county subdivision, metropolitan area, place, and state. The structure, format, and meaning of FIPS codes used in U.S. Census Bureau data products appear in the appropriate technical documentation.

The objective of FIPS codes is to improve the ability to use the data resources of the federal government and avoid unnecessary duplication and incompatibilities in the collection, processing, and dissemination of data. The FIPS codes and FIPS code documentation are available online at <http://www.itl.nist.gov/fipspubs/index.htm>. Further information about the FIPS 5-2, 6-4, and 9-1 publications (states, counties, and congressional districts, respectively) is available from the Geographic Areas Branch, Geography Division, U.S. Census Bureau, Washington, DC 20233-7400, telephone 301-457-1099. Further information about the FIPS 55-DC3 publication (places, consolidated cities, county subdivisions, and noncensus locational entities) is available from the Geographic Names Office, National Mapping Division, U.S. Geological Survey, 523 National Center, Reston, VA 20192, telephone 703-648-4544.

United States Postal Service (USPS) Code

United States Postal Service (USPS) codes for states are used in all decennial census data products. The codes are two-character alphabetic abbreviations. These codes are the same as the Federal Information Processing Standards two-character alphabetic abbreviations.

INTERNAL POINT

An internal point is a set of geographic coordinates (latitude and longitude) that is located within a specified geographic entity. A single point is identified for each entity; for many entities, this point represents the approximate geographic center of that entity. If the shape of the entity causes this point to be located outside the boundary of the entity or in a water body, it is relocated to land area within the entity. In computer-readable products, internal points are shown to six decimal places; the decimal point is implied.

The first character of the latitude or longitude is a plus (+) or a minus (–) sign. A plus sign in the latitude identifies the point as being in the Northern Hemisphere, while a minus sign identifies a location in the Southern Hemisphere. For longitude, a plus sign identifies the point as being in the Eastern Hemisphere, while a minus sign identifies a location in the Western Hemisphere.

ISLAND AREAS OF THE UNITED STATES

The Island Areas of the United States are American Samoa, Guam, the Commonwealth of the Northern Mariana Islands (Northern Mariana Islands), and the Virgin Islands of the United States. The U.S. Census Bureau treats the Island Areas as entities that are statistically equivalent to states for data presentation purposes. Geographic definitions specific to the Island Areas are shown in the appropriate publications and documentation that accompany the data products for the Island Areas.

Sometimes the Island Areas are referred to as “Island Territories” or “Insular Areas.” For the 1990 and previous censuses, the U.S. Census Bureau referred to the entities as “Outlying Areas.” The term “U.S. Minor Outlying Islands” refers to certain small islands under U.S. jurisdiction in the Caribbean and Pacific: Baker Island, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Midway Islands, Navassa Island, Palmyra Atoll, and Wake Island.

METROPOLITAN AREA (MA)

The general concept of a metropolitan area (MA) is one of a large population nucleus, together with adjacent communities that have a high degree of economic and social integration with that nucleus. Some MAs are defined around two or more nuclei.

The MAs and the central cities within an MA are designated and defined by the federal Office of Management and Budget, following a set of official standards that are published in a Federal Register Notice. These standards were developed by the interagency Federal Executive Committee on Metropolitan Areas, with the aim of producing definitions that are as consistent as possible for all MAs nationwide.

Each MA must contain either a place with a minimum population of 50,000 or a U.S. Census Bureau-defined urbanized area and a total MA population of at least 100,000 (75,000 in New England). An MA contains one or more central counties. An MA also may include one or more outlying counties that have close economic and social relationships with the central county. An outlying county must have a specified level of commuting to the central counties and also must meet

The titles for all metropolitan areas (MAs) also contain the U.S. Postal Service's abbreviation for the name of each state in which the MA is located. Each MA is assigned a four-digit Federal Information Processing Standards (FIPS) code, in alphabetical order nationwide. If the fourth digit of the code is "2," it identifies a CMSA. Additionally, there is a separate set of two-digit FIPS codes for CMSAs, also assigned alphabetically.

New England County Metropolitan Area (NECMA)

New England county metropolitan areas (NECMAs) are defined as a county-based alternative to the city- and town-based New England metropolitan statistical areas (MSAs) and consolidated metropolitan statistical areas (CMSAs). The NECMA defined for an MSA or a CMSA includes:

- The county containing the first-named city in that MSA/CMSA title (this county may include the first-named cities of other MSAs/CMSAs as well), and
- Each additional county having at least half its population in the MSAs/CMSAs whose first-named cities are in the previously identified county. NECMAs are not identified for individual primary metropolitan statistical areas.

Central cities of a NECMA are those places in the NECMA that qualify as central cities of an MSA or a CMSA. NECMA titles derive from the names of these central cities. Each NECMA is assigned a four-digit Federal Information Processing Standards (FIPS) code.

PLACE

Places, for the reporting of decennial census data, include census designated places, consolidated cities, and incorporated places. Each place is assigned a five-digit Federal Information Processing Standards (FIPS) code, based on the alphabetical order of the place name within each state. If place names are duplicated within a state and they represent distinctly different areas, a separate code is assigned to each place name alphabetically by primary county in which each place is located, or if both places are in the same county, alphabetically by their legal description (for example, "city" before "village").

Census Designated Place (CDP)

Census designated places (CDPs) are delineated for each decennial census as the statistical counterparts of incorporated places. CDPs are delineated to provide census data for concentrations of population, housing, and commercial structures that are identifiable by name but are not within an incorporated place. CDP boundaries usually are defined in cooperation with state, local, and tribal officials. These boundaries, which usually coincide with visible features or the boundary of an adjacent incorporated place or other legal entity boundary, have no legal status, nor do these places have officials elected to serve traditional municipal functions. CDP boundaries may change from one decennial census to the next with changes in the settlement pattern; a CDP with the same name as in an earlier census does not necessarily have the same boundary.

For Census 2000, for the first time, CDPs did not need to meet a minimum population threshold to qualify for tabulation of census data. For the 1990 census and earlier censuses, the U.S. Census Bureau required CDPs to qualify on the basis of various minimum population size criteria.

Beginning with the 1950 census, the U.S. Census Bureau, in cooperation with state and local governments (and American Indian tribal officials starting with the 1990 census), identified and delineated boundaries and names for CDPs. In the data products issued in conjunction with Census 2000, the name of each such place is followed by "CDP," as was the case for the 1990 and 1980 censuses. In the data products issued in conjunction with the 1950, 1960, and 1970 censuses, these places were identified by "(U)," meaning "unincorporated place."

Hawaii is the only state that has no incorporated places recognized by the U.S. Census Bureau. All places shown in the data products for Hawaii are CDPs. By agreement with the state of Hawaii, the U.S. Census Bureau does not show data separately for the city of Honolulu, which is coextensive with Honolulu County.

All places in the Northern Mariana Islands and Guam are CDPs. The Virgin Islands of the United States has both CDPs and incorporated places. There are no CDPs in American Samoa; the U.S. Census Bureau treats the traditional villages as statistically equivalent to incorporated places.

Consolidated City

A consolidated government is a unit of local government for which the functions of an incorporated place and its county or minor civil division (MCD) have merged. The legal aspects of this action may result in both the primary incorporated place and the county or MCD continuing to exist as legal entities, even though the county or MCD performs few or no governmental functions and has few or no elected officials. Where this occurs, and where one or more other incorporated places in the county or MCD continue to function as separate governments, even though they have been included in the consolidated government, the primary incorporated place is referred to as a consolidated city.

The presentation of data for consolidated cities varies depending on the geographic presentation. In some hierarchical presentations, consolidated cities are not shown. These presentations include the places within the consolidated city and the “consolidated city (balance).” Although hierarchical presentations do not show the consolidated city, the data for it are the same as the county or county subdivision with which it is coextensive. Other hierarchical presentations do show the consolidated city, county or county subdivision, and (balance) as separate entities.

For inventory geographic presentations, the consolidated city appears alphabetically sequenced within the listing of places; in 1990, consolidated places appeared at the end of the listing. The data for the consolidated city include the data for all places that are part of and within the consolidated city. The “consolidated city (balance)” entry shows the data for the portion of the consolidated government minus the separately incorporated places within the consolidated city, and is shown in alphabetical sequence with other places that comprise the consolidated city. For data presentation purposes these “balance” entities are treated as statistically equivalent to a place; they have no legal basis or functions.

In summary presentations by size of place, the consolidated city is not included. The places within consolidated cities are categorized by their size, as is the “consolidated city (balance).” A few incorporated places are partially inside and partially outside a consolidated city. Data tabulations by place will include all territory within the place, while the tabulation for the place within a consolidated city is only for part of the place.

Each consolidated city is assigned a five-digit Federal Information Processing Standards (FIPS) code that is unique within state. The places within consolidated cities and the “consolidated city (balance)” also are assigned five-digit FIPS place codes that are unique within state. The code assigned to each place within a consolidated city is the same as its regular place code; a place that is partially included in a consolidated city does not have a different code for the portions inside and outside the consolidated city. FIPS codes are assigned based on alphabetical sequence within each state.

Incorporated Place

Incorporated places recognized in decennial census data products are those reported to the U.S. Census Bureau as legally in existence on January 1, 2000, under the laws of their respective states, as cities, boroughs, city and boroughs, municipalities, towns, and villages, with the following exceptions: the towns in the New England states, New York, and Wisconsin, and the boroughs in New York are recognized as minor civil divisions for decennial census purposes; the boroughs, city and boroughs (as in Juneau City and Borough), and municipality (Anchorage) in Alaska are county equivalents for decennial census statistical presentation purposes. In four states (Maryland, Missouri, Nevada, and Virginia), there are one or more incorporated places known as “independent cities” that are primary divisions of a state and legally not part of any county. For data presentation purposes, the U.S. Census Bureau may treat an independent city as a county equivalent, county subdivision, and place.

The U.S. Census Bureau treats the villages in American Samoa as incorporated places because they have their own officials, who have specific legal powers as authorized in the American Samoa Code. The village boundaries are traditional rather than being specific, legally defined locations. There are no incorporated places in Guam and the Northern Mariana Islands. The U.S. Census Bureau treats the three towns in the Virgin Islands of the United States as incorporated places.

There are a few incorporated places that do not have a legal description. An incorporated place is established to provide governmental functions for a concentration of people as opposed to a minor civil division, which generally is created to provide services or administer an area without regard, necessarily, to population.

POPULATION OR HOUSING UNIT DENSITY

Population and housing unit density are computed by dividing the total population or number of housing units within a geographic entity (for example, United States, state, county, place) by the land area of that entity measured in square kilometers or square miles. Density is expressed as both “people (or housing units) per square kilometer” and “people (or housing units) per square mile” of land area.

PUBLIC USE MICRODATA AREA (PUMA)

A public use microdata area (PUMA) is a decennial census area for which the U.S. Census Bureau provides specially selected extracts of raw data from a small sample of long-form census records that are screened to protect confidentiality. These extracts are referred to as “public use microdata sample (PUMS)” files. Since 1960, data users have been using these files to create their own statistical tabulations and data summaries.

For Census 2000, state, District of Columbia, Puerto Rico, and Island Area participants, following U.S. Census Bureau criteria, delineated two types of PUMAs within their states. PUMAs of one type comprise areas that contain at least 100,000 people. The PUMS files for these PUMAs contain a 5-percent sample of the long-form records. The other type of PUMAs, super-PUMAs, comprise areas of at least 400,000 people. The sample size is 1 percent for the PUMS files for super-PUMAs.

PUMAs cannot be in more than one state or statistically equivalent entity. The larger 1-percent PUMAs are aggregations of the smaller 5-percent PUMAs. PUMAs of both types, wherever the population size criteria permit, comprise areas that are entirely within or outside metropolitan areas or the central cities of metropolitan areas.

PUERTO RICO

The U.S. Census Bureau treats the Commonwealth of Puerto Rico as the statistical equivalent of a state for data presentation purposes. Each state and statistically equivalent entity is assigned a two-digit Federal Information Processing Standards (FIPS) code in alphabetical order by state name, followed in alphabetical order by Puerto Rico and the Island Areas. Each state and statistically equivalent entity also is assigned the two-letter FIPS/U.S. Postal Service code.

Municipio

The primary legal divisions of Puerto Rico are termed “municipios.” For data presentation purposes, the U.S. Census Bureau treats a municipio as the equivalent of a county in the United States.

Each municipio is assigned a unique three-digit Federal Information Processing Standards (FIPS) code in alphabetical order within Puerto Rico.

Barrio, Barrio-Pueblo, and Subbarrio

The U.S. Census Bureau recognizes barrios and barrios-pueblo as the primary legal divisions of municipios. These entities are similar to the minor civil divisions (MCDs) used for reporting decennial census data in 28 states of the United States. Subbarrios in 23 municipios are the primary legal subdivisions of the barrios-pueblo and some barrios. The U.S. Census Bureau presents the same types of Census 2000 data for these “sub-MCDs” as it does for the barrios and barrios-pueblo. (There is no geographic entity in the United States equivalent to the subbarrio.)

Each barrio, barrio-pueblo, and subbarrio is assigned a five-digit Federal Information Processing Standards (FIPS) code in alphabetical order within Puerto Rico.

Chapter 4.

Summary Level Sequence Chart

Summary levels specify the content and the hierarchical relationships of the geographic elements that are required to tabulate and summarize data. In the Summary Level Sequence Chart which follows, the summary level code precedes the summary level area, and symbols are used with special meaning for summary levels:

Hyphen “-” separates the elements of a hierarchy.

Slash “/” denotes equivalent areas that have different names.

Parentheses “()” are not used in the specification for summary levels, but are used occasionally in the usual and customary manner in statements of clarification.

A. State Summary File 3

Geographic component	Summary level
00, 01-49, 52-95	040 State ¹
00, 01, 43, 49.....	050 State-County ²
00	060 State-County-County Subdivision
00	070 State-County-County Subdivision-Place/Remainder
00	080 State-County-County Subdivision-Place/Remainder-Census Tract
00	085 State-County-County Subdivision-Place/Remainder-Census Tract-Urban/Rural
00	090 State-County-County Subdivision-Place/Remainder-Census Tract-Urban/Rural-Block Group
00	067 State [Puerto Rico Only]-County-County Subdivision-Subbarrio ³
00	140 State-County-Census Tract
00	144 State-County-Census Tract-American Indian Area/Alaska Native Area/Hawaiian Home Land
00	150 State-County-Census Tract-Block Group
00	154 State-County-Census Tract-Block Group-American Indian Area/Alaska Native Area/Hawaiian Home Land
00	160 State-Place
00	155 State-Place-County
00	158 State-Place-County-Census Tract
00	170 State-Consolidated City
00	172 State-Consolidated City-Place Within Consolidated City
00	280 State-American Indian Area/Alaska Native Area/Hawaiian Home Land
00	282 State-American Indian Area/Alaska Native Area/Hawaiian Home Land-County
00	261 State-American Indian Area/Alaska Native Area/Hawaiian Home Land-County-County Subdivision
00	263 State-American Indian Area/Alaska Native Area/Hawaiian Home Land-County-County Subdivision-Place/Remainder
00	283 State-American Indian Area/Alaska Native Area (Reservation or Statistical Entity Only) ⁴
00	285 State-American Indian Area/Alaska Native Area (Reservation or Statistical Entity Only)-County
00	265 State-American Indian Area/Alaska Native Area (Reservation or Statistical Entity Only)-County-County Subdivision
00	266 State-American Indian Area/Alaska Native Area (Reservation or Statistical Entity Only)-County-County Subdivision-Place/Remainder

¹State, District of Columbia, or Puerto Rico.

²Parish in Louisiana, Borough or Census Area in Alaska, and Municipio in Puerto Rico; in Maryland, Missouri, Nevada, and Virginia, one or more cities are independent of counties and are treated as statistical equivalents of counties; the entire District of Columbia, which has no counties, is treated as a county equivalent.

³In Puerto Rico, some subdivisions (barrios-pueblos and barrios) are divided into subminor civil divisions (subbarrios).

⁴American Indian Area/Alaska Native Area (Reservation or Statistical Entity Only) includes American Indian Reservations; Oklahoma Tribal Statistical Areas (OTSA); Tribal Designated Statistical Areas (TDSA) (federal areas); State Designated American Indian Statistical Areas (SDAISAs) (state areas); and Alaska Native Village Statistical Areas (ANVSAs) (Alaska).

Table number	Table contents	Data dictionary reference name	Segment	Max size
--------------	----------------	--------------------------------	---------	----------

P6. RACE [8]

Universe: Total population

Total:	P006001	01	9
White alone	P006002	01	9
Black or African American alone	P006003	01	9
American Indian and Alaska Native alone	P006004	01	9
Asian alone	P006005	01	9
Native Hawaiian and Other Pacific Islander alone	P006006	01	9
Some other race alone	P006007	01	9
Two or more races	P006008	01	9

P7. HISPANIC OR LATINO BY RACE [17]

Universe: Total population

Total:	P007001	01	9
Not Hispanic or Latino:	P007002	01	9
White alone	P007003	01	9
Black or African American alone	P007004	01	9
American Indian and Alaska Native alone	P007005	01	9
Asian alone	P007006	01	9
Native Hawaiian and Other Pacific Islander alone	P007007	01	9
Some other race alone	P007008	01	9
Two or more races	P007009	01	9
Hispanic or Latino:	P007010	01	9
White alone	P007011	01	9
Black or African American alone	P007012	01	9
American Indian and Alaska Native alone	P007013	01	9
Asian alone	P007014	01	9
Native Hawaiian and Other Pacific Islander alone	P007015	01	9
Some other race alone	P007016	01	9
Two or more races	P007017	01	9

P8. SEX BY AGE [79]

Universe: Total population

Total:	P008001	01	9
Male:	P008002	01	9
Under 1 year	P008003	01	9
1 year	P008004	01	9
2 years	P008005	01	9
3 years	P008006	01	9
4 years	P008007	01	9
5 years	P008008	01	9
6 years	P008009	01	9
7 years	P008010	01	9
8 years	P008011	01	9
9 years	P008012	01	9
10 years	P008013	01	9
11 years	P008014	01	9
12 years	P008015	01	9