

Following the coding operations, there was a computer edit and an allocation process. The edit first determined whether a respondent was in the universe which required an industry and occupation code. The codes for the three items (industry, occupation, and class of worker) were checked to ensure they were valid and were edited for their relation to each other. Invalid and inconsistent codes were either blanked or changed to a consistent code.

If one or more of the three codes were blank after the edit, a code was assigned from a "similar" person based on other items such as age, sex, education, farm or nonfarm residence, and weeks worked. If all the labor force and income data also were blank, all these economic items were assigned from one other person who provided all the necessary data.

Comparability—Comparability of industry and occupation data was affected by a number of factors, primarily the systems used to classify the questionnaire responses. For both the industry and occupation classification systems, the basic structures were generally the same from 1940 to 1970, but changes in the individual categories limited comparability of the data from one census to another. These changes were needed to recognize the "birth" of new industries and occupations, the "death" of others, and the growth and decline in existing industries and occupations, as well as, the desire of analysts and other users for more detail in the presentation of the data. Probably the greatest cause of incomparability is the movement of a segment of a category to a different category in the next census. Changes in the nature of jobs and respondent terminology, and refinement of category composition made these movements necessary.

In the 1990 census, the industry classification had minor revisions to reflect recent changes to the SIC. The 1990 occupational classification system is essentially the same as that for the 1980 census. However, the conversion of the census classification to the SOC in 1980 meant that the 1990 classification system was less comparable to the classifications used prior to the 1980 census.

Other factors that affected data comparability included the universe to which the data referred (in 1970, the age cutoff for labor force was changed from 14 years to 16 years); how the industry and occupation questions were worded on the questionnaire (for example, important changes were made in 1970); improvements in the coding procedures (the Employer Name List technique was introduced in 1960); and how the "not reported" cases are handled. Prior to 1970, they were placed in the residual categories, "Industry not reported" and "Occupation not reported." In 1970, an allocation process was introduced that assigned these cases to major groups. In 1990, as in 1980, the "Not reported" cases were assigned to individual categories. Therefore, the 1980 and 1990 data for individual categories included

some numbers of persons who were tabulated in a "Not reported" category in previous censuses.

The following publications contain information on the various factors affecting comparability and are particularly useful for understanding differences in the occupation and industry information from earlier censuses: U.S. Bureau of the Census, *Changes Between the 1950 and 1960 Occupation and Industry Classifications With Detailed Adjustments of 1950 Data to the 1960 Classifications*, Technical Paper No. 18, 1968; U.S. Bureau of the Census, *1970 Occupation and Industry Classification Systems in Terms of their 1960 Occupation and Industry Elements*, Technical Paper No. 26, 1972; and U.S. Bureau of the Census, *The Relationship Between the 1970 and 1980 Industry and Occupation Classification Systems*, Technical Paper No. 59, 1988. For citations for earlier census years, see the 1980 Census of Population report, PC80-1-D, *Detailed Population Characteristics*.

The 1990 census introduced an additional class of worker category for "private not-for-profit" employers. This category is a subset of the 1980 category "employee of private employer" so there is no comparable data before 1990. Also in 1990, employees of foreign governments, the United Nations, etc., are classified as "private not-for-profit," rather than Federal Government as in 1970 and 1980. While in theory, there was a change in comparability, in practice, the small number of U.S. residents working for foreign governments made this change negligible.

Comparability between the statistics on industry and occupation from the 1990 census and statistics from other sources is affected by many of the factors described in the section on "Employment Status." These factors are primarily geographic differences between residence and place of work, different dates of reference, and differences in counts because of dual job holding. Industry data from population censuses cover all industries and all kinds of workers, whereas, data from establishments often excluded private household workers, government workers, and the self-employed. Also, the replies from household respondents may have differed in detail and nature from those obtained from establishments.

Occupation data from the census and data from government licensing agencies, professional associations, trade unions, etc., may not be as comparable as expected. Organizational listings often include persons not in the labor force or persons devoting all or most of their time to another occupation; or the same person may be included in two or more different listings. In addition, relatively few organizations, except for those requiring licensing, attained complete coverage of membership in a particular occupational field.

RACE

The data on race were derived from answers to questionnaire item 4, which was asked of all persons.

The concept of race as used by the Census Bureau reflects self-identification; it does not denote any clear-cut scientific definition of biological stock. The data for race represent self-classification by people according to the race with which they most closely identify. Furthermore, it is recognized that the categories of the race item include both racial and national origin or socio-cultural groups.

During direct interviews conducted by enumerators, if a person could not provide a single response to the race question, he or she was asked to select, based on self-identification, the group which best described his or her racial identity. If a person could not provide a single race response, the race of the mother was used. If a single race response could not be provided for the person's mother, the first race reported by the person was used. In all cases where occupied housing units, households, or families are classified by race, the race of the householder was used.

The racial classification used by the Census Bureau generally adheres to the guidelines in Federal Statistical Directive No. 15, issued by the Office of Management and Budget, which provides standards on ethnic and racial categories for statistical reporting to be used by all Federal agencies. The racial categories used in the 1990 census data products are provided below.

White—Includes persons who indicated their race as "White" or reported entries such as Canadian, German, Italian, Lebanese, Near Easterner, Arab, or Polish.

Black—Includes persons who indicated their race as "Black or Negro" or reported entries such as African American, Afro-American, Black Puerto Rican, Jamaican, Nigerian, West Indian, or Haitian.

American Indian, Eskimo, or Aleut—Includes persons who classified themselves as such in one of the specific race categories identified below.

American Indian—Includes persons who indicated their race as "American Indian," entered the name of an Indian tribe, or reported such entries as Canadian Indian, French-American Indian, or Spanish-American Indian.

American Indian Tribe—Persons who identified themselves as American Indian were asked to report their enrolled or principal tribe. Therefore, tribal data in tabulations reflect the written tribal entries reported on the questionnaires. Some of the entries (for example, Iroquois, Sioux, Colorado River, and Flathead) represent nations or reservations.

The information on tribe is based on self-identification and therefore does not reflect any designation of Federally- or State-recognized tribe. Information

on American Indian tribes is presented in summary tape files and special data products. The information is derived from the American Indian Detailed Tribal Classification List for the 1990 census. The classification list represents all tribes, bands, and clans that had a specified number of American Indians reported on the census questionnaire.

Eskimo—Includes persons who indicated their race as "Eskimo" or reported entries such as Arctic Slope, Inupiat, and Yupik.

Aleut—Includes persons who indicated their race as "Aleut" or reported entries such as Alutiiq, Egegik, and Pribilovian.

Asian or Pacific Islander—Includes persons who reported in one of the Asian or Pacific Islander groups listed on the questionnaire or who provided write-in responses such as Thai, Nepali, or Tongan. A more detailed listing of the groups comprising the Asian or Pacific Islander population is presented in figure 2 below. In some data products, information is presented separately for the Asian population and the Pacific Islander population.

Asian—Includes "Chinese," "Filipino," "Japanese," "Asian Indian," "Korean," "Vietnamese," and "Other Asian." In some tables, "Other Asian" may not be shown separately, but is included in the total Asian population.

Chinese—Includes persons who indicated their race as "Chinese" or who identified themselves as Cantonese, Tibetan, or Chinese American. In standard census reports, persons who reported as "Taiwanese" or "Formosan" are included here with Chinese. In special reports on the Asian or Pacific Islander population, information on persons who identified themselves as Taiwanese are shown separately.

Filipino—Includes persons who indicated their race as "Filipino" or reported entries such as Philipino, Philippine, or Filipino American.

Japanese—Includes persons who indicated their race as "Japanese" and persons who identified themselves as Nipponese or Japanese American.

Asian Indian—Includes persons who indicated their race as "Asian Indian" and persons who identified themselves as Bengalese, Bharat, Dravidian, East Indian, or Goanese.

Korean—Includes persons who indicated their race as "Korean" and persons who identified themselves as Korean American.

Vietnamese—Includes persons who indicated their race as "Vietnamese" and persons who identified themselves as Vietnamese American.

Cambodian—Includes persons who provided a write-in response such as Cambodian or Cambodia.

Hmong—Includes persons who provided a write-in response such as Hmong, Laohmong, or Mong.

Laotian—Includes persons who provided a write-in response such as Laotian, Laos, or Lao.

Thai—Includes persons who provided a write-in response such as Thai, Thailand, or Siamese.

Other Asian—Includes persons who provided a write-in response of Bangladeshi, Burmese, Indonesian, Pakistani, Sri Lankan, Amerasian, or Eurasian. See figure 2 for other groups comprising "Other Asian."

Pacific Islander—Includes persons who indicated their race as "Pacific Islander" by classifying themselves into one of the following groups or identifying themselves as one of the Pacific Islander cultural groups of Polynesian, Micronesian, or Melanesian.

Hawaiian—Includes persons who indicated their race as "Hawaiian" as well as persons who identified themselves as Part Hawaiian or Native Hawaiian.

Samoan—Includes persons who indicated their race as "Samoan" or persons who identified themselves as American Samoan or Western Samoan.

Guamanian—Includes persons who indicated their race as "Guamanian" or persons who identified themselves as Chamorro or Guam.

Other Pacific Islander—Includes persons who provided a write-in response of a Pacific Islander group such as Tahitian, Northern Mariana Islander, Palauan, Fijian, or a cultural group such as Polynesian, Micronesian, or Melanesian. See figure 2 for other groups comprising "Other Pacific Islander."

Other Race—Includes all other persons not included in the "White," "Black," "American Indian, Eskimo, or Aleut," and the "Asian or Pacific Islander" race categories described above. Persons reporting in the "Other race" category and providing write-in entries such as multiracial, multiethnic, mixed, interracial, Wesort, or a Spanish/Hispanic origin group (such as Mexican, Cuban, or Puerto Rican) are included here.

Written entries to three categories on the race item—"Indian (Amer.)," "Other Asian or Pacific Islander (API)," and "Other race"—were reviewed, edited, and coded by subject matter specialists. (For more information on the coding operation, see the section below that discusses "Comparability.")

The written entries under "Indian (Amer.);" and "Other Asian or Pacific Islander (API)" were reviewed and coded during 100-percent processing of the 1990 census questionnaires. A substantial portion of the entries for the "Other race" category also were reviewed, edited, and coded during the 100-percent processing. The remaining entries under "Other race" underwent review and coding during sample processing. Most of the written entries reviewed and coded during sample processing were those indicating Hispanic origin such as Mexican, Cuban, or Puerto Rican.

If the race entry for a member of a household was missing on the questionnaire, race was assigned based upon the reported entries of race by other household members using specific rules of precedence of household relationship. For example, if race was missing for the daughter of the householder, then the race of her mother (as female householder or female spouse) would be assigned. If there was no female householder or spouse in the household, the daughter would be assigned her father's (male householder) race. If race was not reported for anyone in the household, the race of a householder in a previously processed household was assigned. This procedure is a variation of the general imputation procedures described in Appendix C, Accuracy of the Data.

Limitation of the Data—In the 1980 census, a relatively high proportion (20 percent) of American Indians did not report any tribal entry in the race item. Evaluation of the pre-census tests indicated that changes made for the 1990 race item should improve the reporting of tribes in the rural areas (especially on reservations) for the 1990 census. The results for urban areas were inconclusive. Also, the precensus tests indicated that there may be overreporting of the Cherokee tribe. An evaluation of 1980 census data showed overreporting of Cherokee in urban areas or areas where the number of American Indians was sparse.

In the 1990 census, respondents sometimes did not fill in a circle or filled the "Other race" circle and wrote in a response, such as Arab, Polish, or African American in the shared write-in box for "Other race" and "Other API" responses. During the automated coding process, these responses were edited and assigned to the appropriate racial designation. Also, some Hispanic origin persons did not fill in a circle, but provided entries such as Mexican or Puerto Rican. These persons were classified in the "Other race" category during the coding and editing process. There may be some minor differences between sample data and 100-percent data because sample processing included additional edits not included in the 100-percent processing.

Figure 2. Asian or Pacific Islander Groups Reported in the 1990 Census

Asian	Pacific Islander
Chinese	Hawallan
Filipino	Samoaan
Japanese	Guamanian
Asian Indian	Other Pacific Islander ¹
Korean	Carolinian
Vietnamese	Fijian
Cambodian	Kosraean
Hmong	Melanesian ³
Laotian	Micronesian ³
Thai	Northern Mariana Islander
Other Asian ¹	Palauan
Bangladeshi	Papua New Guinean
Bhutanese	Ponapean (Pohnpeian)
Borneo	Polynesian ³
Burmese	Solomon Islander
Celebesian	Tahitian
Ceram	Tarawa Islander
Indochinese	Tokelauan
Indonesian	Tongan
Iwo-Jiman	Trukese (Chuukese)
Javanese	Yapese
Malayan	Pacific Islander, not specified
Maldivian	
Nepali	
Okinawan	
Pakistani	
Sikkim	
Singaporean	
Sri Lankan	
Sumatran	
Asian, not specified ²	

¹In some data products, specific groups listed under "Other Asian" or "Other Pacific Islander" are shown separately. Groups not shown are tabulated as "All other Asian" or "All other Pacific Islander," respectively.

²Includes entries such as Asian American, Asian, Asiatic, Amerasian, and Eurasian.

³Polynesian, Micronesian, and Melanesian are Pacific Islander cultural groups.

Comparability—Differences between the 1990 census and earlier censuses affect the comparability of data for certain racial groups and American Indian tribes. The 1990 census was the first census to undertake, on a 100-percent basis, an automated review, edit, and coding operation for written responses to the race item. The automated coding system used in the 1990 census greatly reduced the potential for error associated with a clerical review. Specialists with a thorough knowledge of the race subject matter reviewed, edited, coded, and resolved inconsistent or incomplete responses. In the 1980 census, there was only a limited clerical review of the race responses on the 100-percent forms with a full clerical review conducted only on the sample questionnaires.

Another major difference between the 1990 and preceding censuses is the handling of the write-in responses for the Asian or Pacific Islander populations. In addition to the nine Asian or Pacific Islander categories shown on the questionnaire under the spanner "Asian or Pacific Islander (API)," the 1990 census race

item provided a new residual category, "Other API," for Asian or Pacific Islander persons who did not report in one of the listed Asian or Pacific Islander groups. During the coding operation, write-in responses for "Other API" were reviewed, coded, and assigned to the appropriate classification. For example, in 1990, a write-in entry of Laotian, Thai, or Javanese is classified as "Other Asian," while a write-in entry of Tongan or Fijian is classified as "Other Pacific Islander." In the 1990 census, these persons were able to identify as "Other API" in both the 100-percent and sample operations.

In the 1980 census, the nine Asian or Pacific Islander groups were also listed separately. However, persons not belonging to these nine groups wrote in their specific racial group under the "Other" race category. Persons with a written entry such as Laotian, Thai, or Tongan, were tabulated and published as "Other race" in the 100-percent processing operation in 1980, but were reclassified as "Other Asian and Pacific Islander" in 1980 sample tabulations. In 1980 special reports on the Asian or Pacific Islander populations, data were shown separately for "Other Asian" and "Other Pacific Islander."

The 1970 questionnaire did not have separate race categories for Asian Indian, Vietnamese, Samoan, and Guamanian. These persons indicated their race in the "Other" category and later, through the editing process, were assigned to a specific group. For example, in 1970, Asian Indians were reclassified as "White," while Vietnamese, Guamanians, and Samoans were included in the "Other" category.

Another difference between 1990 and preceding censuses is the approach taken when persons of Spanish/Hispanic origin did not report in a specific race category but reported as "Other race" or "Other." These persons commonly provided a write-in entry such as Mexican, Venezuelan, or Latino. In the 1990 and 1980 censuses, these entries remained in the "Other race" or "Other" category, respectively. In the 1970 census, most of these persons were included in the "White" category.

REFERENCE WEEK

The data on labor force status and journey to work were related to the reference week; that is, the calendar week preceding the date on which the respondents completed their questionnaires or were interviewed by enumerators. This week is not the same for all respondents since the enumeration was not completed in one week. The occurrence of holidays during the enumeration period could affect the data on actual hours worked during the reference week, but probably had no effect on overall measurement of employment status (see the discussion below on "Comparability").

Comparability—The reference weeks for the 1990 and 1980 censuses differ in that Passover and Good Friday occurred in the first week of April 1980, but in the

second week of April 1990. Many workers presumably took time off for those observances. The differing occurrence of these holidays could affect the comparability of the 1990 and 1980 data on actual hours worked for some areas if the respective weeks were the reference weeks for a significant number of persons. The holidays probably did not affect the overall measurement of employment status since this information was based on work activity during the entire reference week.

SCHOOL ENROLLMENT AND LABOR FORCE STATUS

Tabulation of data on enrollment, educational attainment, and labor force status for the population 16 to 19 years old allows for calculation of the proportion of the age group who are not enrolled in school and not high school graduates or "dropouts" and an unemployment rate for the "dropout" population. Definitions of the three topics and descriptions of the census items from which they were derived are presented in "Educational Attainment," "Employment Status," and "School Enrollment and Type of School." The published tabulations include both the civilian and Armed Forces populations, but labor force status is provided for the civilian population only. Therefore, the component labor force statuses may not add to the total lines *enrolled in school, high school graduate, and not high school graduate*. The difference is Armed Forces.

Comparability—The tabulation of school enrollment by labor force status is similar to that published in 1980 census reports. The 1980 census tabulation included a single data line for Armed Forces; however, enrollment, attainment, and labor force status data were shown for the civilian population only. In 1970, a tabulation was included for 16 to 21 year old males not attending school.

SEX

The data on sex were derived from answers to questionnaire item 3, which was asked of all persons. For most cases in which sex was not reported, it was determined by the appropriate entry from the person's given name and household relationship. Otherwise, sex was imputed according to the relationship to the householder and the age and marital status of the person. For more information on imputation, see Appendix C, Accuracy of the Data.

Sex Ratio—A measure derived by dividing the total number of males by the total number of females and multiplying by 100.

Comparability—A question on the sex of individuals has been asked of the total population in every census.



APPENDIX C.

Accuracy of the Data

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INTRODUCTION

The data contained in this data product are based on the 1990 census sample. The data are estimates of the actual figures that would have been obtained from a complete count. Estimates derived from a sample are expected to be different from the 100-percent figures because they are subject to sampling and nonsampling errors. Sampling error in data arises from the selection of persons and housing units to be included in the sample. Nonsampling error affects both sample and 100-percent data, and is introduced as a result of errors that may occur during the collection and processing phases of the census. Provided below is a detailed discussion of both types of errors and a description of the estimation procedures.

SAMPLE DESIGN

Every person and housing unit in the United States was asked certain basic demographic and housing questions (for example, race, age, marital status, housing value, or rent). A sample of these persons and housing units was asked more detailed questions about such items as income, occupation, and housing costs in addition to the basic demographic and housing information. The primary sampling unit for the 1990 census was the housing unit, including all occupants. For persons living in group quarters, the sampling unit was the person. Persons in group quarters were sampled at a 1-in-6 rate.

The sample designation method depended on the data collection procedures. Approximately 95 percent of the population was enumerated by the mailback procedure. In these areas, the Bureau of the Census either purchased a commercial mailing list, which was updated by the United States Postal Service and Census Bureau field staff, or prepared a mailing list by canvassing and listing each address in the area prior to Census Day. These lists were computerized and the appropriate units

were electronically designated as sample units. The questionnaires were either mailed or hand-delivered to the addresses with instructions to complete and mail back the form.

Housing units in governmental units with a precensus (1988) estimated population of fewer than 2,500 persons were sampled at 1-in-2. Governmental units were defined for sampling purposes as all incorporated places, all counties, all county equivalents such as parishes in Louisiana, and all minor civil divisions in Connecticut, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and Wisconsin. Housing units in census tracts and block numbering areas (BNA's) with a precensus housing unit count below 2,000 housing units were sampled at 1-in-6 for those portions not in small governmental units (governmental units with a population less than 2,500). Housing units within census tracts and BNA's with 2,000 or more housing units were sampled at 1-in-8 for those portions not in small governmental units.

In list/enumerate areas (about 5 percent of the population), each enumerator was given a blank address register with designated sample lines. Beginning about Census Day, the enumerator systematically canvassed an assigned area and listed all housing units in the address register in the order they were encountered. Completed questionnaires, including sample information for any housing unit listed on a designated sample line, were collected. For all governmental units with fewer than 2,500 persons in list/enumerate areas, a 1-in-2 sampling rate was used. All other list/enumerate areas were sampled at 1-in-6.

Housing units in American Indian reservations, tribal jurisdiction statistical areas, and Alaska Native villages were sampled according to the same criteria as other governmental units, except the sampling rates were based on the size of the American Indian and Alaska Native population in those areas as measured in the 1980 census. Trust lands were sampled at the same rate as their associated American Indian reservations. Census designated places in Hawaii were sampled at the same rate as governmental units because the Census Bureau does not recognize incorporated places in Hawaii.

The purpose of using variable sampling rates was to provide relatively more reliable estimates for small areas and decrease respondent burden in more densely populated areas while maintaining data reliability. When all sampling rates were taken into account across the

Nation, approximately one out of every six housing units in the Nation was included in the 1990 census sample.

CONFIDENTIALITY OF THE DATA

To maintain the confidentiality required by law (Title 13, United States Code), the Bureau of the Census applies a confidentiality edit to the 1990 census data to assure that published data do not disclose information about specific individuals, households, or housing units. As a result, a small amount of uncertainty is introduced into the estimates of census characteristics. The sample itself provides adequate protection for most areas for which sample data are published since the resulting data are estimates of the actual counts; however, small areas require more protection. The edit is controlled so that the basic structure of the data is preserved.

The confidentiality edit is implemented by selecting a small subset of individual households from the internal sample data files and blanking a subset of the data items on these household records. Responses to those data items were then imputed using the same imputation procedures that were used for nonresponse. A larger subset of households is selected for the confidentiality edit for small areas to provide greater protection for these areas. The editing process is implemented in such a way that the quality and usefulness of the data were preserved.

ERRORS IN THE DATA

Since statistics in this data product are based on a sample, they may differ somewhat from 100-percent figures that would have been obtained if all housing units, persons within those housing units, and persons living in group quarters had been enumerated using the same questionnaires, instructions, enumerators, etc. The sample estimate also would differ from other samples of housing units, persons within those housing units, and persons living in group quarters. The deviation of a sample estimate from the average of all possible samples is called the sampling error. The standard error of a sample estimate is a measure of the variation among the estimates from all the possible samples and thus is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. The sample estimate and its estimated standard error permit the construction of interval estimates with prescribed confidence that the interval includes the average result of all possible samples. Described below is the method of calculating standard errors and confidence intervals for the data in this product.

In addition to the variability which arises from the sampling procedures, both sample data and 100-percent data are subject to nonsampling error. Nonsampling error may be introduced during any of the various

complex operations used to collect and process census data. For example, operations such as editing, reviewing, or handling questionnaires may introduce error into the data. A detailed discussion of the sources of non-sampling error is given in the section on "Control of Nonsampling Error" in this appendix.

Nonsampling error may affect the data in two ways. Errors that are introduced randomly will increase the variability of the data and should therefore be reflected in the standard error. Errors that tend to be consistent in one direction will make both sample and 100-percent data biased in that direction. For example, if respondents consistently tend to under-report their income, then the resulting counts of households or families by income category will tend to be understated for the higher income categories and overstated for the lower income categories. Such biases are not reflected in the standard error.

Calculation of Standard Errors

Totals and Percentages—Tables A through C in this appendix contain the information necessary to calculate the standard errors of sample estimates in this data product. To calculate the standard error, it is necessary to know the basic standard error for the characteristic (given in table A or B) that would result under a simple random sample design (of persons, households, or housing units) and estimation technique; the design factor for the particular characteristic estimated (given in table C); and the number of persons or housing units in the tabulation area and the percent of these in the sample. For machine-readable products, the percent-in-sample is included in a data matrix on the file for each tabulation area. In printed reports, the percent-in-sample is provided in data tables at the end of the statistical tables that compose the report. The design factors reflect the effects of the actual sample design and complex ratio estimation procedure used for the 1990 census. Tape purchasers will receive table C, the table of design factors, as a supplement to the technical documentation. Table C is included in this appendix for printed reports.

The steps given below should be used to calculate the standard error of an estimate of a total or a percentage contained in this product. A percentage is defined here as a ratio of a numerator to a denominator where the numerator is a subset of the denominator. For example, the proportion of Black teachers is the ratio of Black teachers to all teachers.

1. Obtain the standard error from table A or B (or use the formula given below the table) for the estimated total or percentage, respectively.
2. Find the geographic area to which the estimate applies in the appropriate percent-in-sample table or appropriate matrix, and obtain the person or housing unit "percent-in-sample" figure for this

area. Use the person "percent-in-sample" figure for person and family characteristics. Use the housing unit "percent-in-sample" figure for housing unit characteristics.

- Use table C to obtain the design factor for the characteristic (for example, employment status, school enrollment) and the range that contains the percent-in-sample with which you are working. Multiply the basic standard error by this factor.

The unadjusted standard errors of zero estimates or of very small estimated totals or percentages will approach zero. This is also the case for very large percentages or estimated totals that are close to the size of the tabulation areas to which they correspond. Nevertheless, these estimated totals and percentages still are subject to sampling and nonsampling variability, and an estimated standard error of zero (or a very small standard error) is not appropriate. For estimated percentages that are less than 2 or greater than 98, use the basic standard errors in table B that appear in the "2 or 98" row. For an estimated total that is less than 50 or within 50 of the total size of the tabulation area, use a basic standard error of 16.

An illustration of the use of the tables is given in the section entitled "Use of Tables to Compute Standard Errors."

Sums and Differences—The standard errors estimated from these tables are not directly applicable to sums of and differences between two sample estimates. To estimate the standard error of a sum or difference, the tables are to be used somewhat differently in the following three situations:

- For the sum of or difference between a sample estimate and a 100-percent value, use the standard error of the sample estimate. The complete count value is not subject to sampling error.
- For the sum of or difference between two sample estimates, the appropriate standard error is approximately the square root of the sum of the two individual standard errors squared; that is, for standard errors:

$SE_{\hat{X}}$ and $SE_{\hat{Y}}$ of estimates \hat{X} and \hat{Y} :

$$SE_{(\hat{X}+\hat{Y})} = SE_{(\hat{X}-\hat{Y})} = \sqrt{(SE_{\hat{X}})^2 + (SE_{\hat{Y}})^2}$$

This method, however, will underestimate (overestimate) the standard error if the two items in a sum are highly positively (negatively) correlated or if the two items in a difference are highly negatively (positively) correlated. This method may also be used for the difference between (or sum of) sample estimates from two censuses or from a census sample and another survey. The

standard error for estimates not based on the 1990 census sample must be obtained from an appropriate source outside of this appendix.

- For the differences between two estimates, one of which is a subclass of the other, use the tables directly where the calculated difference is the estimate of interest. For example, to determine the estimate of non-Black teachers, one may subtract the estimate of Black teachers from the estimate of total teachers. To determine the standard error of the estimate of non-Black teachers apply the above formula directly.

Ratios—Frequently, the statistic of interest is the ratio of two variables, where the numerator is not a subset of the denominator. For example, the ratio of teachers to students in public elementary schools. The standard error of the ratio between two sample estimates is estimated as follows:

- If the ratio is a proportion, then follow the procedure outlined for "Totals and Percentages."
- If the ratio is not a proportion, then approximate the standard error using the formula below.

$$SE_{(\hat{X}/\hat{Y})} = \frac{\hat{X}}{\hat{Y}} \sqrt{\frac{(SE_{\hat{X}})^2}{\hat{X}^2} + \frac{(SE_{\hat{Y}})^2}{\hat{Y}^2}}$$

Medians—For the standard error of the median of a characteristic, it is necessary to examine the distribution from which the median is derived, as the size of the base and the distribution itself affect the standard error. An approximate method is given here. As the first step, compute one-half of the number on which the median is based (refer to this result as $N/2$). Treat $N/2$ as if it were an ordinary estimate and obtain its standard error as instructed above. Compute the desired confidence interval about $N/2$. Starting with the lowest value of the characteristic, cumulate the frequencies in each category of the characteristic until the sum equals or first exceeds the lower limit of the confidence interval about $N/2$. By linear interpolation, obtain a value of the characteristic corresponding to this sum. This is the lower limit of the confidence interval of the median. In a similar manner, continue cumulating frequencies until the sum equals or exceeds the count in excess of the upper limit of the interval about $N/2$. Interpolate as before to obtain the upper limit of the confidence interval for the estimated median.

When interpolation is required in the upper open-ended interval of a distribution to obtain a confidence bound, use 1.5 times the lower limit of the open-ended confidence interval as the upper limit of the open-ended interval.

Confidence Intervals

A sample estimate and its estimated standard error may be used to construct confidence intervals about the estimate. These intervals are ranges that will contain

the average value of the estimated characteristic that results over all possible samples, with a known probability. For example, if all possible samples that could result under the 1990 census sample design were independently selected and surveyed under the same conditions, and if the estimate and its estimated standard error were calculated for each of these samples, then:

1. Approximately 68 percent of the intervals from one estimated standard error below the estimate to one estimated standard error above the estimate would contain the average result from all possible samples;
2. Approximately 90 percent of the intervals from 1.645 times the estimated standard error below the estimate to 1.645 times the estimated standard error above the estimate would contain the average result from all possible samples.
3. Approximately 95 percent of the intervals from two estimated standard errors below the estimate to two estimated standard errors above the estimate would contain the average result from all possible samples.

The intervals are referred to as 68 percent, 90 percent, and 95 percent confidence intervals, respectively.

The average value of the estimated characteristic that could be derived from all possible samples is or is not contained in any particular computed interval. Thus, we cannot make the statement that the average value has a certain probability of falling between the limits of the calculated confidence interval. Rather, one can say with a specified probability of confidence that the calculated confidence interval includes the average estimate from all possible samples (approximately the 100-percent value).

Confidence intervals also may be constructed for the ratio, sum of, or difference between two sample figures. This is done by first computing the ratio, sum, or difference, then obtaining the standard error of the ratio, sum, or difference (using the formulas given earlier), and finally forming a confidence interval for this estimated ratio, sum, or difference as above. One can then say with specified confidence that this interval includes the ratio, sum, or difference that would have been obtained by averaging the results from all possible samples.

The estimated standard errors given in this appendix do not include all portions of the variability due to nonsampling error that may be present in the data. The standard errors reflect the effect of simple response variance, but not the effect of correlated errors introduced by enumerators, coders, or other field or processing personnel. Thus, the standard errors calculated represent a lower bound of the total error. As a result,

confidence intervals formed using these estimated standard errors may not meet the stated levels of confidence (i.e., 68, 90, or 95 percent). Thus, some care must be exercised in the interpretation of the data in this data product based on the estimated standard errors.

A standard sampling theory text should be helpful if the user needs more information about confidence intervals and nonsampling errors.

Use of Tables to Compute Standard Errors

The following is a hypothetical example of how to compute a standard error of a total and a percentage. Suppose a particular data table shows that for City A 9,948 persons out of all 15,888 persons age 16 years and over were in the civilian labor force. The percent-in-sample table lists City A with a percent-in-sample of 16.0 percent (Persons column). The column in table C which includes 16.0 percent-in-sample shows the design factor to be 1.1 for "Employment status."

The basic standard error for the estimated total 9,948 may be obtained from table A or from the formula given below table A. In order to avoid interpolation, the use of the formula will be demonstrated here. Suppose that the total population of City A was 21,220. The formula for the basic standard error, SE, is

$$\begin{aligned} SE(9,948) &= \sqrt{5(9,948) (1 - 9,948 / 21,220)} \\ &= 163 \text{ persons.} \end{aligned}$$

The standard error of the estimated 9,948 persons 16 years and over who were in the civilian labor force is found by multiplying the basic standard error 163 by the design factor, 1.1 from table C. This yields an estimated standard error of 179 for the total number of persons 16 years and over in City A who were in the civilian labor force.

The estimated percent of persons 16 years and over who were in the civilian labor force in City A is 62.6. From table B, the unadjusted standard error is found to be approximately 0.85 percentage points. The standard error for the estimated 62.6 percent of persons 16 years and over who were in the civilian labor force is $0.85 \times 1.1 = 0.94$ percentage points.

A note of caution concerning numerical values is necessary. Standard errors of percentages derived in this manner are approximate. Calculations can be expressed to several decimal places, but to do so would indicate more precision in the data than is justifiable. Final results should contain no more than two decimal places when the estimated standard error is one percentage point (i.e., 1.00) or more.

In the previous example, the standard error of the 9,948 persons 16 years and over in City A who were in the civilian labor force was found to be 179. Thus, a 90

percent confidence interval for this estimated total is found to be:

$$[9,948 - 1.645(179)] \text{ to } [9,948 + 1.645(179)]$$

or

$$9,654 \text{ to } 10,242$$

One can say, with about 90 percent confidence, that this interval includes the value that would have been obtained by averaging the results from all possible samples.

The following is an illustration of the calculation of standard errors and confidence intervals when a difference between two sample estimates is obtained. For example, suppose the number of persons in City B age 16 years and over who were in the civilian labor force was 9,314 and the total number of persons 16 years and over was 16,666. Further suppose the population of City B was 25,225. Thus, the estimated percentage of persons 16 years and over who were in the civilian labor force is 55.9 percent. The unadjusted standard error determined using the formula provided at the bottom of table B is 0.86 percentage points. We find that City B had a percent-in-sample of 15.7. The range which includes 15.7 percent-in-sample in table C shows the design factor to be 1.1 for "Employment Status." Thus, the approximate standard error of the percentage (55.9 percent) is $0.86 \times 1.1 = 0.95$ percentage points.

Now suppose that one wished to obtain the standard error of the difference between City A and City B of the percentages of persons who were 16 years and over and who were in the civilian labor force. The difference in the percentages of interest for the two cities is:

$$62.6 - 55.9 = 6.7 \text{ percent.}$$

Using the results of the previous example:

$$SE(6.7) = \sqrt{(SE(62.6))^2 + (SE(55.9))^2} = \sqrt{(0.94)^2 + (0.95)^2}$$

$$= 1.34 \text{ percentage points}$$

The 90 percent confidence interval for the difference is formed as before:

$$[6.70 - 1.645(1.34)] \text{ to } [6.70 + 1.645(1.34)]$$

or

$$4.50 \text{ to } 8.90$$

One can say with 90 percent confidence that the interval includes the difference that would have been obtained by averaging the results from all possible samples.

For reasonably large samples, ratio estimates are normally distributed, particularly for the census population. Therefore, if we can calculate the standard error of a ratio estimate then we can form a confidence interval around the ratio. Suppose that one wished to obtain the standard error of the ratio of the estimate of persons who were 16 years and over and who were in the civilian

labor force in City A to the estimate of persons who were 16 years and over and who were in the civilian labor force in City B. The ratio of the two estimates of interest is:

$$9948/9314 = 1.07$$

$$SE(1.07) = \left(\frac{9948}{9314}\right) \sqrt{\frac{179^2}{(9948)^2} + \frac{188^2}{(9314)^2}}$$

$$= .029$$

Using the results above, the 90 percent confidence interval for this ratio would be:

$$[1.07 - 1.645(.029)] \text{ to } [1.07 + 1.645(.029)]$$

or

$$1.02 \text{ to } 1.12$$

ESTIMATION PROCEDURE

The estimates which appear in this publication were obtained from an iterative ratio estimation procedure (iterative proportional fitting) resulting in the assignment of a weight to each sample person or housing unit record. For any given tabulation area, a characteristic total was estimated by summing the weights assigned to the persons or housing units possessing the characteristic in the tabulation area. Estimates of family or household characteristics were based on the weight assigned to the family member designated as householder. Each sample person or housing unit record was assigned exactly one weight to be used to produce estimates of all characteristics. For example, if the weight given to a sample person or housing unit had the value 6, all characteristics of that person or housing unit would be tabulated with the weight of 6. The estimation procedure, however, did assign weights varying from person to person or housing unit to housing unit. The estimation procedure used to assign the weights was performed in geographically defined "weighting areas." Weighting areas generally were formed of contiguous geographic units which agreed closely with census tabulation areas within counties. Weighting areas were required to have a minimum sample of 400 persons. Weighting areas never crossed State or county boundaries. In small counties with a sample count below 400 persons, the minimum required sample condition was relaxed to permit the entire county to become a weighting area.

Within a weighting area, the ratio estimation procedure for persons was performed in four stages. For persons, the first stage applied 17 household-type groups. The second stage used two groups: sampling rate of 1-in-2; sampling rate less than 1-in-2. The third stage used the dichotomy householders/nonhouseholders. The fourth stage applied 180 aggregate age-sex-race-Hispanic origin categories. The stages were as follows:

PERSONS

STAGE I: TYPE OF HOUSEHOLD

Group	Persons in Housing Units With a Family With Own Children Under 18
1	2 persons in housing unit
2	3 persons in housing unit
3	4 persons in housing unit
4	5 to 7 persons in housing unit
5	8 or more persons in housing unit
	Persons in Housing Units With a Family Without Own Children Under 18
6-10	2 through 8 or more persons in housing unit
	Persons in All Other Housing Units
11	1 person in housing unit
12-16	2 through 8 or more persons in housing unit
	Persons in Group Quarters
17	Persons in Group Quarters

STAGE II: SAMPLING RATES

1	Sampling rate of 1-in-2
2	Sampling rate less than 1-in-2

STAGE III: HOUSEHOLDER/NONHOUSEHOLDER

1	Householder
2	Nonhouseholder

STAGE IV: AGE/SEX/RACE/HISPANIC ORIGIN

Group	White
	Persons of Hispanic Origin
	Male
1	0 to 4 years
2	5 to 14 years
3	15 to 19 years
4	20 to 24 years
5	25 to 34 years
6	35 to 54 years
7	55 to 64 years
8	65 to 74 years
9	75 years and over
	Female
10-18	Same age categories as groups 1 through 9.
	Persons Not of Hispanic Origin
19-36	Same sex and age categories as groups 1 through 18.
	Black
37-72	Same age/sex/Hispanic origin categories as groups 1 through 36.

STAGE II: SAMPLING RATES

73-108	Asian or Pacific Islander Same age/sex/Hispanic origin categories as groups 1 through 36.
109-144	American Indian, Eskimo, or Aleut Same age/sex/Hispanic origin categories as groups 1 through 36.
145-180	Other Race (includes those races not listed above) Same age/sex/Hispanic origin categories as groups 1 through 36.

Within a weighting area, the first step in the estimation procedure was to assign an initial weight to each sample person record. This weight was approximately equal to the inverse of the probability of selecting a person for the census sample.

The next step in the estimation procedure, prior to iterative proportional fitting, was to combine categories in each of the four estimation stages, when needed to increase the reliability of the ratio estimation procedure. For each stage, any group that did not meet certain criteria for the unweighted sample count or for the ratio of the 100-percent to the initially weighted sample count, was combined, or collapsed, with another group in the same stage according to a specified collapsing pattern. At the fourth stage, an additional criterion concerning the number of complete count persons in each race/Hispanic origin category was applied.

As the final step, the initial weights underwent four stages of ratio adjustment applying the grouping procedures described above. At the first stage, the ratio of the complete census count to the sum of the initial weights for each sample person was computed for each stage I group. The initial weight assigned to each person in a group was then multiplied by the stage I group ratio to produce an adjusted weight.

In stage II, the stage I adjusted weights were again adjusted by the ratio of the complete census count to the sum of the stage I weights for sample persons in each stage II group. Next, at stage III, the stage II weights were adjusted by the ratio of the complete census count to the sum of the stage II weights for sample persons in each stage III group. Finally, at stage IV, the stage III weights were adjusted by the ratio of the complete census count to the sum of the stage III weights for sample persons in each stage IV group. The four stages of ratio adjustment were performed two times (two iterations) in the order given above. The weights obtained from the second iteration for stage IV were assigned to the sample person records. However, to avoid complications in rounding for tabulated data, only whole number weights were assigned. For example, if the final weight of the persons in a particular group was 7.25 then 1/4 of the sample persons in this group were randomly assigned a weight of 8, while the remaining 3/4 received a weight of 7.

The ratio estimation procedure for housing units was essentially the same as that for persons, except that vacant units were treated differently. The occupied housing unit ratio estimation procedure was done in four stages, and the vacant housing unit ratio estimation procedure was done in a single stage. The first stage for occupied housing units applied 16 household type categories, while the second stage used the two sampling categories described above for persons. The third stage applied three units-in-structure categories; i.e. single units, multi-unit less than 10 and multi-unit 10 or more. The fourth stage could potentially use 200 tenure-race-Hispanic origin-value/rent groups. The stages for ratio estimation for housing units were as follows:

OCCUPIED HOUSING UNITS

STAGE I: TYPE OF HOUSEHOLD

Group	Housing Units With a Family With Own Children Under 18
1	2 persons in housing unit
2	3 persons in housing unit
3	4 persons in housing unit
4	5 to 7 persons in housing unit
5	8 or more persons in housing unit
	Housing Units With a Family Without Own Children Under 18
6-10	2 through 8 or more persons in housing unit
	All Other Housing Units
11	1 person in housing unit
12-16	2 through 8 or more persons in housing unit

STAGE II: SAMPLING RATE CATEGORY

1	Sampling rate of 1-in-2
2	Sampling rate less than 1-in-2

STAGE III: UNITS IN STRUCTURE

1	Single unit structure
2	Multi-unit structure consisting of fewer than 10 individual units
3	Multi-unit structure consisting of 10 or more individual units

STAGE IV: TENURE/RACE AND HISPANIC ORIGIN OF HOUSEHOLDER/VALUE OR RENT

Group	Owner
	White Householder
	Householder of Hispanic Origin
	Value
1	Less than \$20,000
2	\$20,000 to \$39,999
3	\$40,000 to \$59,999
4	\$60,000 to \$79,999

STAGE IV: TENURE/RACE AND HISPANIC ORIGIN OF HOUSEHOLDER/VALUE OR RENT— Con.

5	\$80,000 to \$99,999
6	\$100,000 to \$149,999
7	\$150,000 to \$249,999
8	\$250,000 to \$299,999
9	\$300,000 or more
10	Other ¹
	Householder Not of Hispanic Origin
11-20	Same value categories as groups 1 through 10
	Black Householder
21-40	Same Hispanic origin/value categories as groups 1 through 20
	Asian or Pacific Islander Householder
41-60	Same Hispanic origin/value categories as groups 1 through 20
	American Indian, Eskimo, or Aleut Householder
61-80	Same Hispanic origin/value categories as groups 1 through 20
	Householder of Other Race
81-100	Same Hispanic origin/value categories as groups 1 through 20
	Renter
	White Householder
	Householder of Hispanic origin
	Rent
101	Less than \$100
102	\$100 to \$199
103	\$200 to \$299
104	\$300 to \$399
105	\$400 to \$499
106	\$500 to \$599
107	\$600 to \$749
108	\$750 to \$999
109	\$1,000 or more
110	No cash rent
	Householder Not of Hispanic Origin
111-120	Same rent categories as groups 101 through 110
	Black Householder
121-140	Same Hispanic origin/rent categories as groups 101 through 120

¹Value of units in this category results from other factors besides housing value alone, for example, inclusion of more than 10 acres of land, or presence of a business establishment on the premises.

**STAGE IV: TENURE/RACE AND HISPANIC ORIGIN OF HOUSEHOLDER/VALUE OR RENT—
Con.**

	Asian or Pacific Islander Householder
141-160	Same Hispanic origin/rent categories as groups 101 through 120
	American Indian, Eskimo, or Aleut Householder
161-180	Same Hispanic origin/rent categories as groups 101 through 120
	Householder of Other Race
181-200	Same Hispanic origin/rent categories as groups 101 through 120
	Vacant Housing Units
1	Vacant for rent
2	Vacant for sale
3	Other vacant

The estimates produced by this procedure realize some of the gains in sampling efficiency that would have resulted if the population had been stratified into the ratio estimation groups before sampling, and if the sampling rate had been applied independently to each group. The net effect is a reduction in both the standard error and the possible bias of most estimated characteristics to levels below what would have resulted from simply using the initial, unadjusted weight. A by-product of this estimation procedure is that the estimates from the sample will, for the most part, be consistent with the complete count figures for the population and housing unit groups used in the estimation procedure.

Control of Nonsampling Error

As mentioned earlier, both sample and 100-percent data are subject to nonsampling error. This component of error could introduce serious bias into the data, and the total error could increase dramatically over that which would result purely from sampling. While it is impossible to completely eliminate nonsampling error from an operation as large and complex as the decennial census, the Bureau of the Census attempted to control the sources of such error during the collection and processing operations. Described below are the primary sources of nonsampling error and the programs instituted for control of this error. The success of these programs, however, was contingent upon how well the instructions actually were carried out during the census. As part of the 1990 census evaluation program, both the effects of these programs and the amount of error remaining after their application will be evaluated.

Undercoverage—It is possible for some households or persons to be missed entirely by the census. The undercoverage of persons and housing units can introduce biases into the data.

Several coverage improvement programs were implemented during the development of the census address list and census enumeration and processing to minimize undercoverage of the population and housing units. These programs were developed based on experience from the 1980 census and results from the 1990 census testing cycle. In developing and updating the census address list, the Census Bureau used a variety of specialized procedures in different parts of the country.

- In the large urban areas, the Census Bureau purchased and geocoded address lists. Concurrent with geocoding, the United States Postal Service (USPS) reviewed and updated this list. After the postal check, census enumerators conducted a dependent canvass and update operation. In the fall of 1989, local officials were given the opportunity to examine block counts of address listings (local review) and identify possible errors. Prior to mailout, the USPS conducted a final review.
- In small cities, suburban areas, and selected rural parts of the country, the Census Bureau created the address list through a listing operation. The USPS reviewed and updated this list, and the Census Bureau reconciled USPS corrections and updated through a field operation. In the fall of 1989, local officials participated in reviewing block counts of address listings. Prior to mailout, the USPS conducted a final review.
- The Census Bureau (rather than the USPS) conducted a listing operation in the fall of 1989 and delivered census questionnaires in selected rural and seasonal housing areas in March of 1990. In some inner-city public housing developments, whose addresses had been obtained via the purchased address list noted above, census questionnaires were also delivered by Census Bureau enumerators.

Coverage improvement programs continued during and after mailout. A recheck of units initially classified as vacant or nonexistent improved further the coverage of persons and housing units. All local officials were given the opportunity to participate in a post-census local review, and census enumerators conducted an additional recanvass. In addition, efforts were made to improve the coverage of unique population groups, such as the homeless and parolees/probationers. Computer and clerical edits and telephone and personal visit followup also contributed to improved coverage.

More extensive discussion of the programs implemented to improve coverage will be published by the Census Bureau when the evaluation of the coverage improvement program is completed.

Respondent and Enumerator Error—The person answering the questionnaire or responding to the questions posed by an enumerator could serve as a source of error, although the questions were phrased as clearly as possible based on precensus tests, and detailed instructions for completing the questionnaire were provided to each household. In addition, respondents' answers were edited for completeness and consistency, and problems were followed up as necessary.

The enumerator may misinterpret or otherwise incorrectly record information given by a respondent; may fail to collect some of the information for a person or household; or may collect data for households that were not designated as part of the sample. To control these problems, the work of enumerators was monitored carefully. Field staff were prepared for their tasks by using standardized training packages that included hands-on experience in using census materials. A sample of the households interviewed by enumerators for nonresponse were reinterviewed to control for the possibility of data for fabricated persons being submitted by enumerators. Also, the estimation procedure was designed to control for biases that would result from the collection of data from households not designated for the sample.

Processing Error—The many phases involved in processing the census data represent potential sources for the introduction of nonsampling error. The processing of the census questionnaires includes the field editing, followup, and transmittal of completed questionnaires; the manual coding of write-in responses; and the electronic data processing. The various field, coding and computer operations undergo a number of quality control checks to insure their accurate application.

Nonresponse—Nonresponse to particular questions on the census questionnaire allows for the introduction of bias into the data, since the characteristics of the nonrespondents have not been observed and may differ from those reported by respondents. As a result, any imputation procedure using respondent data may not completely reflect this difference either at the elemental level (individual person or housing unit) or on the average. Some protection against the introduction of large biases is afforded by minimizing nonresponse. In the census, nonresponse was reduced substantially during the field operations by the various edit and followup operations aimed at obtaining a response for every question. Characteristics for the nonresponses remaining after this operation were imputed by the computer by using reported data for a person or housing unit with similar characteristics.

EDITING OF UNACCEPTABLE DATA

The objective of the processing operation is to produce a set of data that describes the population as accurately and clearly as possible. To meet this objective, questionnaires were edited during field data collection operations for consistency, completeness, and acceptability. Questionnaires also were reviewed by census clerks for omissions, certain specific inconsistencies, and population coverage. For example, write-in entries such as "Don't know" or "NA" were considered unacceptable. For some district offices, the initial edit was automated; however, for the majority of the district offices, it was performed by clerks. As a result of this operation, a telephone or personal visit followup was made to obtain missing information. Potential coverage errors were included in the followup, as well as a sample of questionnaires with omissions and/or inconsistencies.

Subsequent to field operations, remaining incomplete or inconsistent information on the questionnaires was assigned using imputation procedures during the final automated edit of the collected data. Imputations, or computer assignments of acceptable codes in place of unacceptable entries or blanks, are needed most often when an entry for a given item is lacking or when the information reported for a person or housing unit on that item is inconsistent with other information for that same person or housing unit. As in previous censuses, the general procedure for changing unacceptable entries was to assign an entry for a person or housing unit that was consistent with entries for persons or housing units with similar characteristics. The assignment of acceptable codes in place of blanks or unacceptable entries enhances the usefulness of the data.

Another way in which corrections were made during the computer editing process was through substitution; that is, the assignment of a full set of characteristics for a person or housing unit. When there was an indication that a housing unit was occupied but the questionnaire contained no information for the people within the household or the occupants were not listed on the questionnaire, a previously accepted household was selected as a substitute, and the full set of characteristics for the substitute was duplicated. The assignment of the full set of housing characteristics occurred when there was no housing information available. If the housing unit was determined to be occupied, the housing characteristics were assigned from a previously processed occupied unit. If the housing unit was vacant, the housing characteristics were assigned from a previously processed vacant unit.

Table A. Unadjusted Standard Error for Estimated Totals

[Based on a 1-in-6 simple random sample]

Estimated Total ¹	Size of publication area ²													
	500	1,000	2,500	5,000	10,000	25,000	50,000	100,000	250,000	500,000	1,000,000	5,000,000	10,000,000	25,000,000
50	16	16	16	16	16	16	16	16	16	16	16	16	16	16
100	20	21	22	22	22	22	22	22	22	22	22	22	22	22
250	25	30	35	35	35	35	35	35	35	35	35	35	35	35
500	-	35	45	45	50	50	50	50	50	50	50	50	50	50
1,000	-	-	55	65	65	70	70	70	70	70	70	70	70	70
2,500	-	-	-	80	95	110	110	110	110	110	110	110	110	110
5,000	-	-	-	-	110	140	150	150	160	160	160	160	160	160
10,000	-	-	-	-	-	170	200	210	220	220	220	220	220	220
15,000	-	-	-	-	-	170	230	250	270	270	270	270	270	270
25,000	-	-	-	-	-	-	250	310	340	350	350	350	350	350
75,000	-	-	-	-	-	-	-	310	510	570	590	610	610	610
100,000	-	-	-	-	-	-	-	-	550	630	670	700	700	710
250,000	-	-	-	-	-	-	-	-	-	790	970	1 090	1 100	1 100
500,000	-	-	-	-	-	-	-	-	-	-	1 120	1 500	1 540	1 570
1,000,000	-	-	-	-	-	-	-	-	-	-	-	2 000	2 120	2 190
5,000,000	-	-	-	-	-	-	-	-	-	-	-	-	3 540	4 470
10,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	5 480

¹For estimated totals larger than 10,000,000, the standard error is somewhat larger than the table values. The formula given below should be used to calculate the standard error.

$$SE(\hat{Y}) = \sqrt{5\hat{Y}\left(1 - \frac{\hat{Y}}{N}\right)}$$

N = Size of area

\hat{Y} = Estimate of characteristic total

²The total count of persons in the area if the estimated total is a person characteristic, or the total count of housing units in the area if the estimated total is a housing unit characteristic.

Table B. Unadjusted Standard Error in Percentage Points for Estimated Percentage

[Based on a 1-in-6 simple random sample]

Estimated Percentage	Base of percentage ¹													
	500	750	1,000	1,500	2,500	5,000	7,500	10,000	25,000	50,000	100,000	250,000	500,000	
2 or 98	1.4	1.1	1.0	0.8	0.6	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	
5 or 95	2.2	1.8	1.5	1.3	1.0	0.7	0.6	0.5	0.3	0.2	0.2	0.1	0.1	
10 or 90	3.0	2.4	2.1	1.7	1.3	0.9	0.8	0.7	0.4	0.3	0.2	0.1	0.1	
15 or 85	3.6	2.9	2.5	2.1	1.6	1.1	0.9	0.8	0.5	0.4	0.3	0.2	0.1	
20 or 80	4.0	3.3	2.8	2.3	1.8	1.3	1.0	0.9	0.6	0.4	0.3	0.2	0.1	
25 or 75	4.3	3.5	3.1	2.5	1.9	1.4	1.1	1.0	0.6	0.4	0.3	0.2	0.1	
30 or 70	4.6	3.7	3.2	2.6	2.0	1.4	1.2	1.0	0.6	0.5	0.3	0.2	0.1	
35 or 65	4.8	3.9	3.4	2.8	2.1	1.5	1.2	1.1	0.7	0.5	0.3	0.2	0.2	
50	5.0	4.1	3.5	2.9	2.2	1.6	1.3	1.1	0.7	0.5	0.4	0.2	0.2	

¹For a percentage and/ or base of percentage not shown in the table, the formula given below may be used to calculate the standard error. This table should only be used for proportions, that is, where the numerator is a subset of the denominator.

$$SE(\hat{p}) = \sqrt{\frac{5}{B} p(100 - \hat{p})}$$

B = Base of estimated percentage

\hat{p} = Estimated percentage

APPENDIX D.

Collection and Processing Procedures

CONTENTS

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Processing Procedures	D-5

ENUMERATION AND RESIDENCE RULES

In accordance with census practice dating back to the first United States census in 1790, each person was to be enumerated as an inhabitant of his or her "usual residence" in the 1990 census. Usual residence is the place where the person lives and sleeps most of the time or considers to be his or her usual residence. This place is not necessarily the same as the person's legal residence or voting residence. In the vast majority of cases, however, the use of these different bases of classification would produce substantially the same statistics, although there might be appreciable differences for a few areas.

The implementation of this practice has resulted in the establishment of rules for certain categories of persons whose usual place of residence is not immediately apparent. Furthermore, this practice means that persons were not always counted as residents of the place where they happened to be staying on Census Day (April 1, 1990).

Enumeration Rules

Each person whose usual residence was in the United States was to be included in the census, without regard to the person's legal status or citizenship. In a departure from earlier censuses, foreign diplomatic personnel participated voluntarily in the census, regardless of their residence on or off the premises of an embassy. As in previous censuses, persons in the United States specifically excluded from the census were foreign travelers who had not established a residence.

Americans with a usual residence outside the United States were not enumerated in the 1990 census. United States military and Federal civilian employees, and their dependents overseas, are included in the population counts for States for purposes of Congressional apportionment, but are excluded from all other tabulations for States and their subdivisions. The counts of United States military and Federal civilian employees, and their dependents, were obtained from administrative records maintained by Federal departments and agencies. Other

Americans living overseas, such as employees of international agencies and private businesses and students, were not enumerated, nor were their counts obtained from administrative sources. On the other hand, Americans temporarily overseas were to be enumerated at their usual residence in the United States.

Residence Rules

Each person included in the census was to be counted at his or her usual residence—the place where he or she lives and sleeps most of the time or the place where the person considers to be his or her usual home. If a person had no usual residence, the person was to be counted where he or she was staying on April 1, 1990.

Persons temporarily away from their usual residence, whether in the United States or overseas, on a vacation or on a business trip, were counted at their usual residence. Persons who occupied more than one residence during the year were counted at the one they considered to be their usual residence. Persons who moved on or near Census Day were counted at the place they considered to be their usual residence.

Persons in the Armed Forces—Members of the Armed Forces were counted as residents of the area in which the installation was located, either on the installation or in the surrounding community. Family members of Armed Forces personnel were counted where they were living on Census Day (for example, with the Armed Forces person or at another location).

Each Navy ship not deployed to the 6th or 7th Fleet was attributed to the municipality that the Department of the Navy designated as its homeport. If the homeport included more than one municipality, ships berthed there on Census Day were assigned by the Bureau of the Census to the municipality in which the land immediately adjacent to the dock or pier was actually located. Ships attributed to the homeport, but not physically present and not deployed to the 6th or 7th Fleet, were assigned to the municipality named on the Department of the Navy's homeport list. These rules also apply to Coast Guard vessels.

Personnel assigned to each Navy and Coast Guard ship were given the opportunity to report a residence off the ship. Those who did report an off-ship residence in the communities surrounding the homeport were counted there; those who did not were counted as residents of

the ship. Personnel on Navy ships deployed to the 6th or 7th Fleet on Census Day were considered to be part of the overseas population.

Persons on Maritime Ships—Persons aboard maritime ships who reported an off-ship residence were counted at that residence. Those who did not were counted as residents of the ship, and were attributed as follows:

1. The port where the ship was docked on Census Day, if that port was in the United States or its territories.
2. The port of departure if the ship was at sea, provided the port was in the United States or its territories.
3. The port of destination in the United States or its territories, if the port of departure of a ship at sea was a foreign port.
4. The overseas population if the ship was docked at a foreign port or at sea between foreign ports. (These persons were not included in the overseas population for apportionment purposes.)

Persons Away at School—College students were counted as residents of the area in which they were living while attending college, as they have been since the 1950 census. Children in boarding schools below the college level were counted at their parental home.

Persons in Institutions—Persons under formally authorized, supervised care or custody, such as in Federal or State prisons; local jails; Federal detention centers; juvenile institutions; nursing, convalescent, and rest homes for the aged and dependent; or homes, schools, hospitals, or wards for the physically handicapped, mentally retarded, or mentally ill, were counted at these places.

Persons Away From Their Usual Residence on Census Day—Migrant agricultural workers who did not report a usual residence elsewhere were counted as residents of the place where they were on Census Day. Persons in worker camps who did not report a usual residence elsewhere were counted as residents of the camp where they were on Census Day.

In some parts of the country, natural disasters displaced significant numbers of households from their usual place of residence. If these persons reported a destroyed or damaged residence as their usual residence, they were counted at that location.

Persons away from their usual residence were counted by means of interviews with other members of their families, resident managers, or neighbors.

DATA COLLECTION PROCEDURES

The 1990 census was conducted primarily through self-enumeration. The questionnaire packet included general information about the 1990 census and an

instruction guide explaining how to complete the questionnaire. Spanish-language questionnaires and instruction guides were available on request. Instruction guides also were available in 32 other languages.

Enumeration of Housing Units

Each housing unit in the country received one of two versions of the census questionnaire:

1. A short-form questionnaire that contained a limited number of basic population and housing questions; these questions were asked of all persons and housing units and are often referred to as 100-percent questions.
2. A long-form questionnaire that contained the 100-percent items and a number of additional questions; a sampling procedure was used to determine those housing units that were to receive the long-form questionnaire.

Three sampling rates were employed. For slightly more than one-half of the country, one in every six housing units (about 17 percent) received the long-form or sample questionnaire. In functioning local governmental units (counties and incorporated places, and in some parts of the country, towns and townships) estimated to have fewer than 2,500 inhabitants, every other housing unit (50 percent) received the sample questionnaire in order to enhance the reliability of the sample data for these small areas. For census tracts and block numbering areas having more than 2,000 housing units in the Census Bureau's address files, one in every eight housing units (about 13 percent) received a sample questionnaire, providing reliable statistics for these areas while permitting the Census Bureau to stay within a limit of 17.7 million sample questionnaires, or a one-in-six sample, nationwide.

The mail-out/mail-back procedure was used mainly in cities, suburban areas, towns, and rural areas where mailing addresses consisted of a house number and street name. In these areas, the Census Bureau developed mailing lists that included about 88.4 million addresses. The questionnaires were delivered through the mail and respondents were to return them by mail. Census questionnaires were delivered 1 week before Census Day (April 1, 1990)

The update/leave/mail-back method was used mainly in densely populated rural areas where it was difficult to develop mailing lists because mailing addresses did *not* use house number and street name. The Census Bureau compiled lists of housing units in advance of the census. Enumerators delivered the questionnaires, asked respondents to return them by mail, and added housing units not on the mailing lists. This method was used mainly in the South and Midwest, and also included some high-rise, low-income urban areas. A variation of this method

was used in urban areas having large numbers of boarded-up buildings. About 11 million housing units were enumerated using this method.

The list/ enumerate method (formerly called conventional or door-to-door enumeration) was used mainly in very remote and sparsely-settled areas. The United States Postal Service delivered unaddressed short-form questionnaires before Census Day. Starting a week before Census Day, enumerators canvassed these areas, checked that all housing units received a questionnaire, created a list of all housing units, completed long-form questionnaires, and picked up the completed short-form questionnaires. This method was used mainly in the West and Northeast to enumerate an estimated 6.5 million housing units.

Followup

Nonresponse Followup—In areas where respondents were to mail back their questionnaires, an enumerator visited each address from which a questionnaire was not received.

Coverage and Edit-Failure Followup—In the mail-back areas, some households returned a questionnaire that did not meet specific quality standards because of incomplete or inconsistent information, or the respondent had indicated difficulty in deciding who was to be listed on the questionnaire. These households were contacted by telephone or by personal visit to obtain the missing information or to clarify who was to be enumerated in the household. In areas where an enumerator picked up the questionnaires, the enumerator checked the respondent-filled questionnaire for completeness and consistency.

Special Enumeration Procedures

Special procedures and questionnaires were used for the enumeration of persons in group quarters, such as college dormitories, nursing homes, prisons, military barracks, and ships. The questionnaires (Individual Census Reports, Military Census Reports, and Shipboard Census Reports) included the 100-percent population questions but did not include any housing questions. In all group quarters, all persons were asked the basic population questions; in most group quarters, additional questions were asked of a sample (one-in-six) of persons.

Shelter and Street Night (S-Night)

The Census Bureau collected data for various components of the homeless population at different stages in the 1990 census. "Shelter and Street Night" (S-Night) was a special census operation to count the population in four types of locations where homeless people are

found. On the evening of March 20, 1990, and during the early morning hours of March 21, 1990, enumerators counted persons in pre-identified locations:

1. Emergency shelters for the homeless population (public and private; permanent and temporary).
2. Shelters with temporary lodging for runaway youths.
3. Shelters for abused women and their children.
4. Open locations in streets or other places not intended for habitation.

Emergency shelters include all hotels and motels costing \$12 or less (excluding taxes) per night regardless of whether persons living there considered themselves to be homeless, hotels and motels (regardless of cost) used entirely to shelter homeless persons, and pre-identified rooms in hotels and motels used for homeless persons and families. Enumeration in shelters usually occurred from 6 p.m. to midnight; street enumeration, from 2 a.m. to 4 a.m.; abandoned and boarded-up buildings from 4 a.m. to 8 a.m.; and shelters for abused women, from 6 p.m. on March 20 to noon on March 21.

Other components, which some consider as part of the homeless population, were enumerated as part of regular census operations. These include persons doubled up with other families, as well as persons with no other usual home living in transient sites, such as commercial campgrounds, maternity homes for unwed mothers, and drug/ alcohol abuse detoxification centers. In institutions, such as local jails and mental hospitals, the Census Bureau does not know who has a usual home elsewhere; therefore, even though some are literally homeless, these persons cannot be identified separately as a component of the homeless population.

There is no generally agreed-upon definition of "the homeless," and there are limitations in the census count that prevent obtaining a total count of the homeless population under any definition. As such, the Census Bureau does not have a definition and will not provide a total count of "the homeless." Rather, the Census Bureau will provide counts and characteristics of persons found at the time of the census in *selected* types of living arrangements. These selected components can be used as building blocks to construct a count of homeless persons appropriate to particular purposes as long as the data limitations are taken into account.

In preparation for "Shelter-and-Street-Night" enumeration, the regional census centers (RCC's) mailed a certified letter (Form D-33 (L)) to the highest elected official of each active functioning government of the United States (more than 39,000) requesting them to identify:

1. All shelters with sleeping facilities (permanent and temporary, such as church basements, armories, public buildings, and so forth, that could be open on March 20).

2. Hotels and motels used to house homeless persons and families.
3. A list of outdoor locations where homeless persons tend to be at night.
4. Places such as bus or train stations, subway stations, airports, hospital emergency rooms, and so forth, where homeless persons seek shelter at night.
5. The specific addresses of abandoned or boarded-up buildings where homeless persons were thought to stay at night.

The letter from the RCC's to the governmental units emphasized the importance of listing night-time congregating sites. The list of shelters was expanded using information from administrative records and informed local sources. The street sites were limited to the list provided by the jurisdictions. All governmental units were eligible for "Shelter and Street Night." For cities with 50,000 or more persons, the Census Bureau took additional steps to update the list of shelter and street locations if the local jurisdiction did not respond to the certified letter. Smaller cities and rural areas participated if the local jurisdiction provided the Census Bureau a list of shelters or open public places to visit or if shelters were identified through our inventory development, local knowledge update, or during the Special Place Prelist operation.

The Census Bureau encouraged persons familiar with homeless persons and the homeless themselves to apply as enumerators. This recruiting effort was particularly successful in larger cities.

For shelters, both long- and short-form Individual Census Reports (ICR's) were distributed. For street enumeration, only short-form ICR's were used. Persons in shelters and at street locations were asked the basic population questions. Additional questions about social and economic characteristics were asked of a sample of persons in shelters only.

Enumerators were instructed *not* to ask who was homeless; rather, they were told to count all persons (including children) staying overnight at the shelters, and everyone they saw on the street except the police, other persons in uniform, and persons engaged in employment or obvious money-making activities other than begging and panhandling.

At both shelter and street sites, persons found sleeping were not awakened to answer questions. Rather, the enumerator answered the sex and race questions by observation and estimated the person's age to the best of his or her ability. In shelters, administrative records and information from the shelter operator were used, when available, for persons who were already asleep.

Less than 1 percent of shelters refused to participate in the census count at first. By the end of the census period, most of those eventually cooperated and the

number of refusals had been reduced to a few. For the final refusals, head counts and population characteristics were obtained by enumerators standing outside such shelters and counting people as they left in the morning.

The "street" count was restricted to persons who were visible when the enumerator came to the open, public locations that had been identified by local jurisdictions. Homeless persons who were well hidden, moving about, or in locations other than those identified by the local governments were likely missed. The number missed will never be known and there is no basis to make an estimate of the number missed from census data. The count of persons in open, public places was affected by many factors, including the extra efforts made to encourage people to go to shelters for "Shelter and Street Night," the weather (which was unusually cold in many parts of the country), the presence of the media, and distrust of the census. Expectations of the number of homeless persons on the street cannot be based on the number seen during the day because the night-time situation is normally very different as more homeless persons are in shelters or very well hidden.

For both "Shelter-and-Street-Night" locations, the Census Bureau assumed that the usual home of those enumerated was in the block where they were found (shelter or street).

The "Shelter-and-Street-Night" operation replaced and expanded the 1980 Mission Night (M-Night) and Casual Count operations. These two operations were aimed at counting the population who reported having no usual residence. M-Night was conducted a week after Census Day, in April 1980. Enumerators visited hotels, motels, and similar places costing \$4 or less each night; missions, flophouses, local jails and similar places at which the average length of stay was 30 days or less; and nonshelter locations, such as bus depots, train stations, and all night movie theaters. Questions were asked of everyone, regardless of age. Enumerators conducted M-Night up to midnight on April 8, 1980, and returned the next morning to collect any forms completed after midnight.

The Casual Count operation was conducted in May 1980 at additional nonshelter locations, such as street corners, pool halls, welfare and employment offices. This operation lasted for approximately 2 weeks. Casual Count was conducted during the day only in selected large central cities. Only persons who appeared to be at least 15 years of age were asked if they had been previously enumerated. Casual Count was actually a coverage-improve-

ment operation. It was not specifically an operation to count homeless persons living in the streets. Persons were excluded if they said they had a usual home outside the city because it was not cost effective to check through individual questionnaires in another city to try to find the person.

PROCESSING PROCEDURES

Respondents returned many census questionnaires by mail to 1 of over 344 census district offices or to one of six processing offices. In these offices, the questionnaires were "checked in" and edited for completeness and consistency of the responses. After this initial processing had been performed, all questionnaires were sent to the processing offices.

In the processing offices, the household questionnaires were microfilmed and processed by the Film Optical Sensing Device for Input to Computers (FOSDIC). For most items on the questionnaire, the information supplied by the respondent was indicated by filling circles in predesignated positions. FOSDIC electronically "read" these filled circles from the microfilm copy of the questionnaire and transferred the information to computer tape. The computer tape did not include individual names, addresses, or handwritten responses.

The data processing was performed in several stages. All questionnaires were microfilmed, "read" by FOSDIC,

and transferred to computer disk. Selected written entries in the race question on both the short and long forms were keyed from the microfilm and coded using the data base developed from the 1980 census and subsequent content and operational tests. Keying of other written entries on the long forms occurred in the seven processing offices.

The information (for example, income dollar amounts or homeowner shelter costs) on these keyed files was merged with the FOSDIC data or processed further through one of three automated coding programs. The codes for industry, occupation, place-of-birth, migration, place-of-work, ancestry, language, relationship, race, and Hispanic origin were merged with the FOSDIC data for editing, weighting, and tabulating operations at Census Bureau headquarters. All responses to the questions on Individual Census Reports (ICR's), Military Census Reports (MCR's), and Shipboard Census Reports (SCR's) were keyed, not processed by microfilm or FOSDIC.



APPENDIX E. Facsimiles of Respondent Instructions and Questionnaire Pages

Your Guide for the **1990 U.S. Census Form**

This guide gives helpful information on filling out your census form. If you need more help, call the local U.S. census office. **The telephone number is on the cover of the questionnaire.** After you have filled out your form, please return it in the **envelope** we have provided.

On the inside	Page
How to fill out your census form	2
Example	2
Your answers are confidential	2
Instructions for the census questions	3-11
What the census is about	12
Why the census asks certain questions	12

CENSUS '90



U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

D4

How to Fill Out Your Census Form

Please use a black lead pencil only. Black lead pencil is better to use than ballpoint or other pens. Most questions ask you to fill in the circle, or to print the information. See Example below.

Make sure you print answers for everyone in this household. If someone in the household, such as a roomer or boarder, does not want to give you all the information for the form, print at least the person's name and answer questions 2 and 3. A census taker will call to get the other information directly from the person.

There may be a question you cannot answer exactly. For example, you might not know the age of an elderly person or the price for which your house would sell. Ask someone else in your household; if no one knows, give your best estimate.

Instructions for individual questions begin on page 3 of this guide. They will help you to understand the questions and answer them correctly.

If you have a question about filling out the census form or need assistance, call the local U.S. census office. The telephone number is given on the cover of the questionnaire.

If you do not mail back your census form, a census taker will be sent out to assist you. But it saves time and your taxpayer dollars if you fill out the form yourself and mail it back.

Example

a. Age		b. Year of birth		a. Age		b. Year of birth	
<input checked="" type="radio"/>	4	<input checked="" type="radio"/>	1949	<input checked="" type="radio"/>	09	<input checked="" type="radio"/>	1981
<input type="radio"/>	0	<input type="radio"/>	8	<input type="radio"/>	0	<input type="radio"/>	8
<input type="radio"/>	1	<input type="radio"/>	9	<input type="radio"/>	1	<input type="radio"/>	9
<input type="radio"/>	2	<input type="radio"/>	0	<input type="radio"/>	2	<input type="radio"/>	0
<input type="radio"/>	3	<input type="radio"/>	1	<input type="radio"/>	3	<input type="radio"/>	1
<input type="radio"/>	4	<input type="radio"/>	2	<input type="radio"/>	4	<input type="radio"/>	2
<input type="radio"/>	5	<input type="radio"/>	3	<input type="radio"/>	5	<input type="radio"/>	3
<input type="radio"/>	6	<input type="radio"/>	4	<input type="radio"/>	6	<input type="radio"/>	4
<input type="radio"/>	7	<input type="radio"/>	5	<input type="radio"/>	7	<input type="radio"/>	5
<input type="radio"/>	8	<input type="radio"/>	6	<input type="radio"/>	8	<input type="radio"/>	6
<input type="radio"/>	9	<input type="radio"/>	7	<input type="radio"/>	9	<input type="radio"/>	7
<input type="radio"/>	0	<input type="radio"/>	8	<input type="radio"/>	0	<input type="radio"/>	8
<input type="radio"/>	1	<input type="radio"/>	9	<input type="radio"/>	1	<input type="radio"/>	9

Your Answers Are Confidential

The law authorizing the census (Title 13, U.S. Code) also provides that your answers are confidential. No one except census workers may see your completed form and they can be fined and/or imprisoned for any disclosure of your answers. Only after 72 years can your individual census form become available to other government agencies (whether federal, state, county, or local). Until then, no other person or business can see your individual report.

The same law that protects the confidentiality of your answers requires that you provide the information asked in this census to the best of your knowledge.

Information collected from the decennial census is used for a variety of statistical purposes. Census information is used to find out where funding is most needed for schools, health centers, highways, and other services. Census results are used by members of public and private groups—including community organizations—and by businesses and industries, as well as by agencies at all levels of government.

Instructions for Questions 1a through 7

- 1a. List everyone who lives at this address in question 1a. If you are not sure if you should list a person, see the rules on page 1 of the census form. If you are still not sure, answer as best you can and fill in "Yes" for question H1a or H1b, as appropriate.

If there are more than seven people in your household, please list all the persons in question 1a, complete the form for seven people, and mail it back in the enclosed envelope. A census taker will call to obtain the information for the additional persons.

- b. If everyone listed in question 1a usually lives at another address(es), print the address(es) in 1b.

2. Fill one circle to show how each person is related to the person in column 1.

If **Other relative** of the person in column 1, print the exact relationship such as son-in-law, daughter-in-law, grandparent, nephew, niece, mother-in-law, father-in-law, cousin, and so on.

If the **Stepson/stepdaughter** of the person in column 1 also has been legally adopted by the person in column 1, mark **Stepson/stepdaughter** but do not mark **Natural-born or adopted son/daughter**. In other words, **Stepson/stepdaughter** takes precedence over **Adopted son/daughter**.

4. Fill ONE circle for the race each person considers himself/herself to be.

If you fill the **Indian (Amer.)** circle, print the name of the tribe or tribes in which the person is enrolled. If the person is not enrolled in a tribe, print the name of the principal tribe(s).

If you fill the **Other API** circle [under **Asian or Pacific Islander (API)**], only print the name of the group to which the person belongs. For example, the **Other API** category includes persons who identify as Burmese, Fijian, Hmong, Indonesian, Laotian, Bangladeshi, Pakistani, Tongan, Thai, Cambodian, Sri Lankan, and so on.

If you fill the **Other race** circle, be sure to print the name of the race.

If the person considers himself/herself to be **White, Black or Negro, Eskimo or Aleut**, fill one circle only. Please do not print the race in the boxes.

The **Black or Negro** category also includes persons who identify as African-American, Afro-American, Haitian, Jamaican, West Indian, Nigerian, and so on.

All persons, regardless of citizenship status, should answer this question.

5. Print age at last birthday in the space provided (print "00" for babies less than 1 year old). Fill in the matching circle below each box. Also, print year of birth in the space provided. Then fill in the matching circle below each box. For an illustration of how to complete question 5, see the Example on page 2 of this guide.

6. If the person's only marriage was annulled, mark **Never married**.

7. A person is of Spanish/Hispanic origin if the person's origin (ancestry) is Mexican, Mexican-Am., Chicano, Puerto Rican, Cuban, Argentinean, Colombian, Costa Rican, Dominican, Ecuadoran, Guatemalan, Honduran, Nicaraguan, Peruvian, Salvadoran, from other Spanish-speaking countries of the Caribbean or Central or South America, or from Spain.

If you fill the **Yes, other Spanish/Hispanic** circle, print one group.

A person who is not of Spanish/Hispanic origin should answer this question by filling the **No (not Spanish/Hispanic)** circle. Note that the term "Mexican-Am." refers only to persons of Mexican origin or ancestry.

All persons, regardless of citizenship status, should answer this question.

Instructions for Question H1a through H1b

- H1a. Refer to the list of persons you entered in question 1a on page 1. If you left anyone out of your list because you were not sure if the person(s) should be listed, answer question H1a as **Yes**. Then enter the name(s) and reason(s) why you did not list the person(s) on the lines provided. Otherwise, answer question H1a as **No**.

- b. If you included anyone on your list even though you were not sure that you should list the person(s), answer question H1b as **Yes**. Then enter the name(s) and reason(s) why you listed the person(s) on the lines provided. Otherwise, answer question H1b as **No**.

Instructions for Questions H2 through H7b

H2. Fill only one circle.

Count all occupied and vacant apartments in the house or building. Do not count stores or office space.

Detached means there is open space on all sides, or the house is joined only to a shed or garage. *Attached* means that the house is joined to another house or building by at least one wall that goes from ground to roof. An example of a **one-family house attached to one or more houses** is a house in a row of houses attached to one another.

A mobile home or trailer that has had one or more rooms added or built onto it should be counted as a *one-family detached house*; a porch or shed is not considered a room.

H3. Count only whole rooms in your house, apartment, or mobile home used for living purposes, such as living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, family rooms, etc. Do not count bathrooms, kitchenettes, strip or pullman kitchens, utility rooms, foyers, halls, half-rooms, porches, balconies, unfinished attics, unfinished basements, or other unfinished space used for storage.

H4. Housing is owned if the owner or co-owner lives in it. Mark **Owned by you or someone in this household with a mortgage or loan** if the house, apartment, or mobile home is mortgaged or there is a contract to purchase. Mark **Owned by you or someone in this household free and clear (without a mortgage)** if there is no mortgage or other debt. If the house, apartment, or mobile home is owned but the land is rented, mark this question to show the status of the house, apartment, or mobile home.

Mark **Rented for cash rent** if any money rent is paid, even if the rent is paid by persons who are not members of your household, or by a federal, state, or local government agency.

Mark **Occupied without payment of cash rent** if the unit is not owned or being bought by the occupants and if money rent is not paid or contracted. The unit may be owned by friends or relatives who live elsewhere and who allow occupancy without charge. A house or apartment may be provided as part of wages or salary. Examples are: caretaker's or janitor's house or apartment; parsonages; tenant farmer or sharecropper houses for which the occupants do not pay cash rent; or military housing.

H5a. Answer H5a and H5b if you live in a one-family house or a mobile home; include only land that you own or rent.

b. A business is easily recognized from the outside; for example, a grocery store or barber shop. A medical office is a doctor's or dentist's office regularly visited by patients.

H6. If this is a house, include the value of the house, the land it is on, and any other structures on the same property. If the house is owned but the land is rented, estimate the combined value of the house and the land. If this is a condominium unit, estimate the value for your house or apartment including your share of the common elements. If this is a mobile home, include the value of the mobile home and the value of the land. If you rent the land, estimate the value of the rented land and add it to the value of the mobile home.

H7a. Report the rent agreed to or contracted for, even if the rent for your house, apartment, or mobile home is unpaid or paid by someone else.

If rent is paid:	Multiply rent by:	If rent is paid:	Divide rent by:
By the day	30	4 times a year	3
By the week	4	2 times a year	6
Every other week	2	Once a year	12

b. Answer **Yes** if meals are included in the monthly rent payment, or you must contract for meals or a meal plan in order to live in this building.

Instructions for Questions H8 through H19b

H8. The person listed in column 1 refers to the person listed in the first column on page 2. This person should be the household member (or one of the members) in whose name the house, apartment, or mobile home is owned, being bought, or rented. If there is no such person, any adult household member can be the person in column 1. Mark when this person last moved into this house, apartment, or mobile home.

H9. Include all rooms intended to be used as bedrooms in this house, apartment, or mobile home, even if they are currently being used for other purposes.

H10. Mark **Yes**, have all three facilities if you have all the facilities mentioned; all facilities must be in your house, apartment, or mobile home, but not necessarily in the same room. Consider that you have hot water even if you have it only part of the time. Mark **No** if any of the three facilities is not present.

H11. The kitchen sink, stove, and refrigerator must be located in the building but do not have to be in the same room. Portable cooking equipment is not considered as a range or cookstove.

H12. Answer **Yes** only if the telephone is located in your house, apartment, or mobile home.

H13. Count company cars (including police cars and taxicabs) and company trucks of one-ton capacity or less that are regularly kept at home and used by household members for nonbusiness purposes. Do not count cars or trucks permanently out of working order.

H14. Fill the circle for the fuel used most to heat your house, apartment, or mobile home. In buildings containing more than one apartment you may obtain this information from the owner, manager, or janitor.

Solar energy is provided by a system that collects, stores, and distributes heat from the sun. **Other fuel** includes any fuel not separately listed; for example, purchased steam, fuel briquettes, waste material, etc.

H15. If a well provides water for five or more houses, apartments, or mobile homes, mark **A public system**. If a well provides water for four or fewer houses, apartments, or mobile homes, fill one of the circles for **Individual well**.

Drilled wells, or small diameter wells, are usually less than 1½ feet in diameter. **Dug wells** are generally hand dug and are larger than 1½ feet wide.

H16. A **public sewer** may be operated by a government body or private organization. A **septic tank** or **cesspool** is an underground tank or pit used for disposal of sewage.

H17. Fill the circle corresponding to the period in which the original construction was completed, not the time of any later remodeling, additions, or conversions. In buildings containing more than one apartment, the owner, manager, or janitor may be of help in determining when the building was built.

If you live in a houseboat or a trailer or mobile home, fill the circle corresponding to the model year in which it was manufactured.

If you do not know the period when the building was first constructed, fill the circle for **Don't know**.

H18. A **condominium** is a type of ownership in which the apartments, houses, or mobile homes in a building or development are individually owned, but the common areas, such as lobbies, halls, etc., are jointly owned. Cooperative occupants should mark **No**.

H19a. Answer H19a and H19b if you live in a one-family house or mobile home.

b. This property is the acreage on which the house is located; it includes adjoining land you rent for your use. Report sales made in 1989 from this property by you or previous occupants.

Instructions for Questions H20 through H26

H20. If your house or apartment is rented, enter the costs for utilities and fuels **only if you pay for them in addition to the rent entered in H7a.**

If you live in a condominium, enter the costs for utilities and fuels **only if you pay for them in addition to your condominium fee.**

If your fuel and utility costs are already included in your rent or condominium fee, fill the **Included in rent or in condominium fee** circle. Do not enter any dollar amounts.

The amounts to be reported should be the total amount for the past 12 months. Estimate as closely as possible when exact costs are not known. If you have lived in this house or apartment less than 1 year, estimate the yearly cost.

Report amounts even if your bills are unpaid or paid by someone else. If the bills include utilities or fuel used also by another apartment or a business establishment, estimate the amounts for your own house or apartment. If gas and electricity are billed together, enter the combined amount on the electricity line and bracket [] the two utilities.

H21. Report taxes for all taxing jurisdictions (city or town, county, state, school district, etc.) even if they are included in your mortgage payment, not yet paid or paid by someone else, or are delinquent. Do not include taxes past due from previous years.

H22. When premiums are paid on other than a yearly basis, convert to a yearly basis. Enter the yearly amount even if no payment was made during the past 12 months.

H23a. The word *mortgage* is used as a general term to indicate all types of loans that are secured by real estate.

b. Enter a monthly amount even if it is unpaid or paid by someone else. If the amount is paid on some other periodic basis, see the instructions for H7a to change it to a monthly amount.

Include payments on first mortgages and contracts to purchase only. Payments for second or junior mortgages and home equity loans should be reported in H24b.

H24a. A second or junior mortgage or home equity loan is secured by real estate.

b. Enter a monthly amount even if it is unpaid or paid by someone else. If the amount is paid on some other periodic basis, see instructions for H7a and change it to a monthly amount. Include payments on all second or junior mortgages or home equity loans.

H25. A *condominium fee* is normally assessed by the condominium owners' association for the purpose of improving and maintaining the common areas. Enter a monthly amount even if it is unpaid or paid by someone else. If the amount is paid on some other periodic basis, see the instructions for H7a on how to change it to a monthly amount.

H26. Report amount even if your bills are unpaid or paid by someone else. Include payments for personal property taxes, land or site rent, registration fees and license fees. Do not include real estate taxes already reported in H21. The amount to be reported should be the total amount for an entire 12-month billing period even if made in two or more installments. Estimate as closely as possible when exact costs are not known.

Instructions for Question 8

8. For persons born in the United States:

Print the name of the State in which this person was born. If the person was born in Washington, D.C., print District of Columbia. If the person was born in a U.S. territory or commonwealth, print Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, or Northern Marianas.

For persons born outside the United States:

Print the name of the foreign country or area where the person was born. Use current boundaries, not boundaries at the time of the person's birth. Specify whether Northern Ireland or the Republic of Ireland (Eire); East or West Germany; North or South Korea; England, Scotland, or Wales (not Great Britain or United Kingdom). Specify the particular country or island in the Caribbean (not, for example, West Indies).

Instructions for Questions 9 through 13

9. A person should fill the **Yes, U.S. citizen by naturalization** circle only if he/she has completed the naturalization process and is now a United States citizen. If the person was born in Puerto Rico, Guam, the U.S. Virgin Islands, or Northern Marianas, he/she should fill the **Yes, born in Puerto Rico, Guam, the U.S. Virgin Islands, or Northern Marianas** circle. If the person was born outside the United States (or at sea) and has at least one American parent, he/she should fill the **Yes, born abroad of American parent or parents** circle.

10. If the person has entered the United States (that is, the 50 states and the District of Columbia) more than once, fill the circle for the latest year he/she came to stay.

11. Do not include enrollment in a trade or business school, company training, or tutoring unless the course would be accepted for credit at a regular elementary school, high school, or college.

A *public school* is any school or college that is controlled and supported primarily by a local, county, State, or Federal Government. Schools are private if supported and controlled primarily by religious organizations or other private groups.

12. Mark the category for the highest grade or level of schooling the person has **successfully completed** or the **highest degree** the person received. If the person is enrolled in school, mark the category containing the highest grade completed (the grade previous to the grade in which enrolled). Schooling completed in foreign or ungraded schools should be reported as the equivalent level of schooling in the regular American school system.

Persons who completed high school by passing an equivalency test, such as the General Educational Development (GED) examination, and did not attend college, should fill the circle for high school graduate.

Do not include vocational certificates or diplomas from vocational, trade, or business schools or colleges unless they were college level associate degrees or higher.

Some examples of *professional school degrees* include medicine, dentistry, chiropractic, optometry, osteopathic medicine, pharmacy, podiatry, veterinary medicine, law, and theology. Do not include barber school, cosmetology, or other training for a specific trade.

Do not include honorary degrees awarded by colleges and universities to individuals for their accomplishments. Include only "earned" degrees.

13. Print the ancestry group. Ancestry refers to the person's ethnic origin or descent, "roots," or heritage. Ancestry also may refer to the country of birth of the person or the person's parents or ancestors before their arrival in the United States. All persons, regardless of citizenship status, should answer this question.

Persons who have more than one origin and cannot identify with a single ancestry group may report two ancestry groups (for example, German-Irish).

Be specific. For example, print whether West Indian, Asian Indian, or American Indian. West Indian includes persons whose ancestors came from Jamaica, Trinidad, Haiti, etc. Distinguish Cape Verdean from Portuguese; French Canadian from Canadian; and Dominican Republic from Dominica Island.

A religious group should not be reported as a person's ancestry.

Instructions for Questions 14a through 19

- 14a.** Mark **Yes** if this person lived in this same house or apartment on April 1, 1985, even if he/she moved away and came back since then. Mark **No** if this person lived in the same building but in a different apartment (or in the same mobile home or trailer but on a different lot or trailer site).
- b.** If this person lived in a different house or apartment on April 1, 1985, give the location of this person's usual home at that time.

Part (1)

If the person lived in the United States on April 1, 1985, print the name of the State (or District of Columbia) where he or she lived. Continue with parts (2) through (4).

If the person lived in a U.S. territory or commonwealth, print the name of the territory or commonwealth, such as Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, or Northern Marianas. Then go to question 15a.

If the person lived outside the United States, print the name of the foreign country or area where he or she lived. Specify whether Northern Ireland or the Republic of Ireland (Eire); East or West Germany; North or South Korea; England, Scotland or Wales (not Great Britain or United Kingdom). Specify the particular country or island in the Caribbean (not, for example, West Indies). Then go to question 15a.

Part (2)

If the person lived in Louisiana, print the parish name. If the person lived in Alaska, print the borough name. If the person lived in New York city and the county name is not known, print the borough name. If the person lived in an independent city (not in any county) or in Washington, D.C., leave blank and enter the city name in part (3).

Part (3)

If the person lived in New England, print the name of the town rather than the village name, unless the name of the town is not known. If the person lived outside the limits or boundaries of any city or town, print the name of the post office or the nearest town and mark **No**, **lived outside the city/town limits** in part (4).

Part (4)

Mark **Yes** if the location is now inside the city/town limits even if it was not inside the limits on April 1, 1985; that is, if the area was annexed by the city/town since that time.

- 15.** Mark **Yes** if the person sometimes or always speaks a language other than English at home.
- Do not mark **Yes** for a language spoken only at school or if speaking is limited to a few expressions or slang.
- Print the name of the language spoken at home. If this person speaks more than one non-English language and cannot determine which is spoken more often, report the first language the person learned to speak.
- 17a.** For a person with service in the National Guard or a military reserve unit, fill one of the two **Yes**, **active duty** circles if and only if the person has ever been called up for active duty other than training; otherwise, mark **Yes**, **service in Reserves or National Guard only**. For a person whose only service was as a civilian employee or volunteer for the Red Cross, USO, Public Health Service, or War or Defense Department, mark **No**. Count **World War II Merchant Marine Seaman service** as active duty; do not count other Merchant Marine service as active duty.
- 18.** Mark **Yes** to part (a) if a health condition substantially limits this person in his or her choice of occupation or if the condition limits the amount of work that can be accomplished in a given period of time. Mark **Yes** to part (b) if the health condition prevents this person from holding any significant employment.
- 19.** Consider a person to have difficulty with these activities if any of the following situations apply: (1) it takes extra time or extra effort for the person to perform one or more of the activities, (2) there are times when the person cannot perform one or more of the activities, or (3) the person is completely unable to perform one or more of the activities.

Instructions for Questions 20 through 23b

- 20.** Count all children born alive, including any who have died (even shortly after birth) or who no longer live with you. Do not include miscarriages or stillborn children or any adopted, foster, or stepchildren.

21a. Count as work — Mark **Yes**:

- Work for someone else for wages, salary, piece rate, commission, tips, or payments "in kind" (for example, food, lodging received as payment for work performed).
- Work in own business, professional practice, or farm.
- Any work in a family business or farm, paid or not.
- Any part-time work including babysitting, paper routes, etc.
- Active duty in Armed Forces.

Do not count as work — Mark **No**:

- Housework or yard work at home.
- Unpaid volunteer work.
- School work.
- Work done as a resident of an institution.

- 22a.** Include the street type (for example, St., Road, Ave.) and the street direction (if a direction such as "North" is part of the address). For example, print 1239 N. Main St. or 1239 Main St., N.W. not just 1239 Main.

If the only known address is a post office box, give a description of the work location. For example, print the name of the building or shopping center where the person works, the nearest intersection, the nearest street where the workplace is located, etc. DO NOT GIVE A POST OFFICE BOX NUMBER.

If the person worked at a military installation or military base that has no street address, report the name of the military installation or base.

If the person worked at several locations, but reported to the same location each day to begin work, print the address of the location where he or she reported. If the person did not report to the same location each day to begin work, print the address of the location where he or she worked most last week.

If the person's employer operates in more than one location (such as a grocery store chain or public school system), print the exact address of the location or branch where the person worked. If the exact address of a school is not known, print the name of the school.

If the person worked on a college or university campus and the exact address of the workplace is not known, print the name of the building where he or she worked.

- d.** If the person worked in New York city and the county is not known, print the name of the borough where the person worked.

If the person worked in Louisiana, print the name of the parish where the person worked.

If the person worked in Alaska, print the name of the borough where the person worked.

- e.** If the person worked in a foreign country or Puerto Rico, Guam, etc., print the name of the country in 22e and leave the other parts of question 22 blank.

- 23a.** If the person usually used more than one type of transportation to get to work (for example, rode the bus and transferred to the subway), fill the circle of the one method of transportation that he/she used for most of the distance during the trip.

- b.** If the person was driven to work by someone who then drove back home or to a nonwork destination, fill the circle for **Drove alone**.

DO NOT include persons who rode to school or some other nonwork destination in the count of persons who rode in the vehicle.

Instructions for Questions 24a through 30

- 24a.** Give the time of day the person usually left home to go to work. DO NOT give the time that the person usually began his or her work.
If the person usually left home to go to work sometime between 12:00 o'clock midnight and 12:00 o'clock noon, fill the a.m. circle.
If the person usually left home to go to work sometime between 12:00 o'clock noon and 12:00 o'clock midnight, fill the p.m. circle.
- b.** Travel time is from door to door. Include time taken waiting for public transportation or picking up passengers in a carpool.
- 25.** If the person works only during certain seasons or on a day-by-day basis when work is available, mark No.
- 26a.** Mark Yes if the person tried to get a job or to start a business or professional practice at any time in the last 4 weeks; for example, registered at an employment office, went to a job interview, placed or answered ads, or did anything toward starting a business or professional practice.
- b.** Mark No, already has a job if the person was on layoff or was expecting to report to a job within 30 days.
Mark No, temporarily ill if the person expects to be able to work within 30 days.
Mark No, other reasons if the person could not have taken a job because he or she was going to school, taking care of children, etc.
- 27.** Look at the instructions for question 21a to see what to count as work. Never worked if the person: (1) never worked at any kind of job or business, either full or part time, (2) never did any work, with or without pay, in a family business or farm, and (3) never served in the Armed Forces.
- 28a.** If the person worked for a company, business, or government agency, print the name of the company, not the name of the person's supervisor. If the person worked for an individual or a business that had no company name, print the name of the individual worked for. If the person worked in his/her own business, print "self-employed."
- b.** Print two or more words to tell what the business, industry, or individual employer named in 28a did. If there is more than one activity, describe only the major activity at the place where the person worked. Enter what is made, what is sold, or what service is given.
Some examples of what to enter:
- | | |
|---|-----------------------|
| Enter a description like the following - | Do not enter - |
| Metal furniture manufacturing | Furniture company |
| Retail grocery store | Grocery store |
| Petroleum refining | Oil company |
| Cattle ranch | Ranch |
- 29.** Print two or more words to describe the kind of work the person did. If the person was a trainee, apprentice, or helper, include that in the description.
Some examples of what to enter:
- | | |
|---|-----------------------|
| Enter a description like the following - | Do not enter - |
| Production clerk | Clerk |
| Carpenter's helper | Helper |
| Auto engine mechanic | Mechanic |
| Registered nurse | Nurse |
- 30.** Mark Employee of a PRIVATE NOT-FOR-PROFIT . . . organization if the person worked for a cooperative, credit union, mutual insurance company, or similar organization.
Employees of foreign governments, the United Nations, and other international organizations should mark PRIVATE NOT-FOR-PROFIT . . . organization.
For persons who worked at a public school, college or university, mark the appropriate government category; for example, mark State GOVERNMENT employee for a state university, or mark Local GOVERNMENT employee for a county-run community college or a city-run public school.

Instructions for Questions 31a through 32h

- 31a.** Look at the instructions for question 21a to see what to count as work.
- b.** Count every week in which the person did any work at all, even for an hour.
- 32.** Fill the Yes or No circle for each part and enter the amount received during 1989.
If income from any source was received jointly by household members, report, if possible, the appropriate share for each person; otherwise, report the whole amount for only one person and fill the No circle for the other person.
- a.** Include wages and salaries from all jobs before deductions. Be sure to include any tips, commissions, or bonuses. Owners of incorporated businesses should enter their salary here. Military personnel should include base pay plus cash housing and/or subsistence allowance, flight pay, uniform allotments, reenlistment bonuses, etc.
- b.** Include NONFARM profit (or loss) from self-employment in sole proprietorships and partnerships. Exclude profit (or loss) of incorporated businesses you own.
- c.** Include FARM profit (or loss) from self-employment in sole proprietorships and partnerships. Exclude profit (or loss) of incorporated farm businesses you own. Also exclude amounts from land rented for cash but include amounts from land rented for shares.
- d.** Include interest received or credited to checking and savings accounts, money market funds, certificates of deposit (CDs), IRAs, KEOGHs, and government bonds.
Include dividends received, credited, or reinvested from ownership of stocks or mutual funds.
Include profit (or loss) from royalties and the rental of land, buildings or real estate, or from roomers or boarders. Income received by self-employed persons whose primary source of income is from renting property or from royalties should be included in questions 32b or 32c above. Include regular payments from an estate or trust fund.
- e.** Include Social Security (and/or Railroad Retirement) payments to retired persons, to dependents of deceased insured workers, and to disabled workers before Medicare deductions.
- f.** Include Supplemental Security Income received by aged, blind, or disabled persons, Aid to Families with Dependent Children, or income from other government programs such as general or emergency assistance. Do not include assistance received from private charities. Exclude assistance to pay for heating (cooling) costs.
- g.** Include retirement, disability, or survivor benefits received from companies and unions; Federal, State, and local governments, and the U.S. military. Include regular income from annuities and IRA or KEOGH retirement plans.
- h.** Include Veterans' (VA) disability compensation and educational assistance payments (VEAP), unemployment compensation, child support or alimony, and all other regular payments such as Armed Forces transfer payments; assistance from private charities; regular contributions from persons not living in the household, etc.
Do not include the following as income in any item:
- Refunds or rebates of any kind
 - Withdrawals from savings of any kind
 - Capital gains or losses from the sale of homes, shares of stock, etc.
 - Inheritances or insurance settlements
 - Any type of loan
 - Pay in-kind such as food, free rent, etc.

What the Census Is About – Some Questions and Answers

Why are we taking a census?

The most important reason for taking a decennial census is to determine how many representatives each state will have in Congress.

What does the Census Bureau do with the information you provide?

The individual information collected in the census is grouped together into statistical totals. Information such as the number of persons in a given area, their ages, educational background, the characteristics of their housing, etc., enable government, business, and industry to plan more effectively.

How long have we been taking the census?

The first census was taken in 1790 in accordance with the requirement in the first article of the constitution. A census has been taken every 10 years since. The 1990 Decennial Census marks the 200th anniversary of the census.

How are you being counted?

Census forms are delivered to all households a few days before census day. Households are requested to fill out the form and mail it back to the census office.

Why the Census Asks Certain Questions

Here are a few reasons for asking some of the questions.

It is as important to get information about people and their houses as it is to count them.

Name?

Names help make sure that everyone in a household is counted, but that no one is counted twice.

Value or rent?

Government and planning agencies use answers to these questions in combination with other information to develop housing programs to meet the needs of people at different economic levels.

Complete plumbing?

This question gives information on the quality of housing. The data are used with other statistics to show how the "level of living" compares in various areas and how it has changed over time.

Place of birth?

This question provides information used to study long-term trends as to where people move and to study migration patterns and differences in growth patterns.

Job?

Answers to the questions about the jobs people hold provide information on the extent and types of employment in different areas of the country. From this information, training programs can be developed and the need for new industries can be determined.

Income?

Income, more than anything else, determines how families or persons live. Income information makes it possible to compare the economic levels of different areas.

CENSUS '90

OFFICIAL 1990 U.S. CENSUS FORM



Thank you for taking time to complete and return this census questionnaire. It's important to you, your community, and the Nation.

The law requires answers but guarantees privacy.

By law (Title 13, U.S. Code), you're required to answer the census questions to the best of your knowledge. However, the same law guarantees that your census form remains confidential. For 72 years—or until the year 2062—only Census Bureau employees can see your form. No one else—no other government body, no police department, no court system or welfare agency—is permitted to see this confidential information under any circumstances.

How to get started—and get help.

Start by listing on the next page the names of all the people who live in your home. Please answer all questions with a black lead pencil. You'll find detailed instructions for answering the census in the enclosed guide. If you need additional help, call the toll-free telephone number to the left, near your address.

Please answer and return your form promptly.

Complete your form and return it by April 1, 1990 in the postage-paid envelope provided. Avoid the inconvenience of having a census taker visit your home.

Again, thank you for answering the 1990 Census.
Remember: Return the completed form by April 1, 1990.

Para personas de habla hispana –
(For Spanish-speaking persons)

Si usted desea un cuestionario del censo en español, llame sin cargo alguno al siguiente número: **1-800-CUENTAN**
(o sea 1-800-283-6826)

U.S. Department of Commerce
BUREAU OF THE CENSUS
FORM D-2

OMB No. 0607-0628
Approval Expires 07/31/91

The 1990 census must count every person at his or her "usual residence." This means the place where the person lives and sleeps most of the time.

1 a. List on the numbered lines below the name of each person living here on Sunday, April 1, including all persons staying here who have no other home. If EVERYONE at this address is staying here temporarily and usually lives somewhere else, follow the instructions given in question 1b below.

Include

- Everyone who usually lives here such as family members, housemates and roommates, foster children, roomers, boarders, and live-in employees
- Persons who are temporarily away on a business trip, on vacation, or in a general hospital
- College students who stay here while attending college
- Persons in the Armed Forces who live here
- Newborn babies still in the hospital
- Children in boarding schools below the college level
- Persons who stay here most of the week while working even if they have a home somewhere else
- Persons with no other home who are staying here on April 1

Do NOT include

- Persons who usually live somewhere else
- Persons who are away in an institution such as a prison, mental hospital, or a nursing home
- College students who live somewhere else while attending college
- Persons in the Armed Forces who live somewhere else
- Persons who stay somewhere else most of the week while working

Print last name, first name, and middle initial for each person. Begin on line 1 with the household member (or one of the household members) in whose name this house or apartment is owned, being bought, or rented. If there is no such person, start on line 1 with any adult household member.

LAST	FIRST	INITIAL	LAST	FIRST	INITIAL
1			7		
2			8		
3			9		
4			10		
5			11		
6			12		

1 b. If EVERYONE is staying here only temporarily and usually lives somewhere else, list the name of each person on the numbered lines above, fill this circle and print their usual address below. DO NOT PRINT THE ADDRESS LISTED ON THE FRONT COVER.

House number _____ Street or road/Rural route and box number _____ Apartment number _____

City _____ State _____ ZIP Code _____

County or foreign country _____ Names of nearest intersecting streets or roads _____

NOW PLEASE OPEN THE FLAP TO PAGE 2 AND ANSWER ALL QUESTIONS FOR THE FIRST 7 PEOPLE LISTED. USE A BLACK LEAD PENCIL ONLY.

Please fill one column → for each person listed in Question 1a on page 1.	PERSON 1		PERSON 2																																																																																																																																																																																																									
	Last name	Middle initial	Last name	Middle initial																																																																																																																																																																																																								
<p>2. How is this person related to PERSON 1?</p> <p>Fill ONE circle for each person.</p> <p>If Other relative of person in column 1, fill circle and print exact relationship, such as mother-in-law, grandparent, son-in-law, niece, cousin, and so on.</p>	<p>START in this column with the household member (or one of the members) in whose name the home is owned, being bought, or rented.</p> <p>If there is no such person, start in this column with any adult household member.</p>		<p>If a RELATIVE of Person 1:</p> <p><input type="radio"/> Husband/wife <input type="radio"/> Brother/sister</p> <p><input type="radio"/> Natural-born or adopted son/daughter <input type="radio"/> Father/mother</p> <p><input type="radio"/> Stepson/stepdaughter <input type="radio"/> Grandchild</p> <p><input type="radio"/> Other relative</p> <hr/> <p>If NOT RELATED to Person 1:</p> <p><input type="radio"/> Roomer, boarder, or foster child <input type="radio"/> Unmarried partner</p> <p><input type="radio"/> Housemate, roommate <input type="radio"/> Other nonrelative</p>																																																																																																																																																																																																									
<p>3. Sex</p> <p>Fill ONE circle for each person.</p>	<p><input type="radio"/> Male <input type="radio"/> Female</p>		<p><input type="radio"/> Male <input type="radio"/> Female</p>																																																																																																																																																																																																									
<p>4. Race</p> <p>Fill ONE circle for the race that the person considers himself/herself to be.</p> <p>If Indian (Amer.), print the name of the enrolled or principal tribe.</p> <p>If Other Asian or Pacific Islander (API), print one group, for example: Hmong, Fijian, Laotian, Thai, Tongan, Pakistani, Cambodian, and so on.</p> <p>If Other race, print race.</p>	<p><input type="radio"/> White</p> <p><input type="radio"/> Black or Negro</p> <p><input type="radio"/> Indian (Amer.) (Print the name of the enrolled or principal tribe.)</p> <p><input type="radio"/> Eskimo</p> <p><input type="radio"/> Aleut</p> <p><input type="radio"/> Asian or Pacific Islander (API)</p> <p><input type="radio"/> Chinese <input type="radio"/> Japanese</p> <p><input type="radio"/> Filipino <input type="radio"/> Asian Indian</p> <p><input type="radio"/> Hawaiian <input type="radio"/> Samoan</p> <p><input type="radio"/> Korean <input type="radio"/> Guamanian</p> <p><input type="radio"/> Vietnamese <input type="radio"/> Other API</p> <p><input type="radio"/> Other race (Print race)</p>		<p><input type="radio"/> White</p> <p><input type="radio"/> Black or Negro</p> <p><input type="radio"/> Indian (Amer.) (Print the name of the enrolled or principal tribe.)</p> <p><input type="radio"/> Eskimo</p> <p><input type="radio"/> Aleut</p> <p><input type="radio"/> Asian or Pacific Islander (API)</p> <p><input type="radio"/> Chinese <input type="radio"/> Japanese</p> <p><input type="radio"/> Filipino <input type="radio"/> Asian Indian</p> <p><input type="radio"/> Hawaiian <input type="radio"/> Samoan</p> <p><input type="radio"/> Korean <input type="radio"/> Guamanian</p> <p><input type="radio"/> Vietnamese <input type="radio"/> Other API</p> <p><input type="radio"/> Other race (Print race)</p>																																																																																																																																																																																																									
<p>5. Age and year of birth</p> <p>a. Print each person's age at last birthday. Fill in the matching circle below each box.</p> <p>b. Print each person's year of birth and fill the matching circle below each box.</p>	<p>a. Age</p> <table border="1"> <tr><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>1</td><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>6</td><td>6</td><td>6</td><td>6</td></tr> <tr><td>7</td><td>7</td><td>7</td><td>7</td></tr> <tr><td>8</td><td>8</td><td>8</td><td>8</td></tr> <tr><td>9</td><td>9</td><td>9</td><td>9</td></tr> </table> <p>b. Year of birth</p> <table border="1"> <tr><td>1</td><td>8</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>9</td><td>1</td><td>0</td><td>1</td><td>0</td><td>0</td></tr> <tr><td>2</td><td>0</td><td>2</td><td>0</td><td>2</td><td>0</td></tr> <tr><td>3</td><td>0</td><td>3</td><td>0</td><td>3</td><td>0</td></tr> <tr><td>4</td><td>0</td><td>4</td><td>0</td><td>4</td><td>0</td></tr> <tr><td>5</td><td>0</td><td>5</td><td>0</td><td>5</td><td>0</td></tr> <tr><td>6</td><td>0</td><td>6</td><td>0</td><td>6</td><td>0</td></tr> <tr><td>7</td><td>0</td><td>7</td><td>0</td><td>7</td><td>0</td></tr> <tr><td>8</td><td>0</td><td>8</td><td>0</td><td>8</td><td>0</td></tr> <tr><td>9</td><td>0</td><td>9</td><td>0</td><td>9</td><td>0</td></tr> </table>		0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9	1	8	0	0	0	0	9	1	0	1	0	0	2	0	2	0	2	0	3	0	3	0	3	0	4	0	4	0	4	0	5	0	5	0	5	0	6	0	6	0	6	0	7	0	7	0	7	0	8	0	8	0	8	0	9	0	9	0	9	0	<p>a. Age</p> <table border="1"> <tr><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>1</td><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>6</td><td>6</td><td>6</td><td>6</td></tr> <tr><td>7</td><td>7</td><td>7</td><td>7</td></tr> <tr><td>8</td><td>8</td><td>8</td><td>8</td></tr> <tr><td>9</td><td>9</td><td>9</td><td>9</td></tr> </table> <p>b. Year of birth</p> <table border="1"> <tr><td>1</td><td>8</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>9</td><td>1</td><td>0</td><td>1</td><td>0</td><td>0</td></tr> <tr><td>2</td><td>0</td><td>2</td><td>0</td><td>2</td><td>0</td></tr> <tr><td>3</td><td>0</td><td>3</td><td>0</td><td>3</td><td>0</td></tr> <tr><td>4</td><td>0</td><td>4</td><td>0</td><td>4</td><td>0</td></tr> <tr><td>5</td><td>0</td><td>5</td><td>0</td><td>5</td><td>0</td></tr> <tr><td>6</td><td>0</td><td>6</td><td>0</td><td>6</td><td>0</td></tr> <tr><td>7</td><td>0</td><td>7</td><td>0</td><td>7</td><td>0</td></tr> <tr><td>8</td><td>0</td><td>8</td><td>0</td><td>8</td><td>0</td></tr> <tr><td>9</td><td>0</td><td>9</td><td>0</td><td>9</td><td>0</td></tr> </table>		0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9	1	8	0	0	0	0	9	1	0	1	0	0	2	0	2	0	2	0	3	0	3	0	3	0	4	0	4	0	4	0	5	0	5	0	5	0	6	0	6	0	6	0	7	0	7	0	7	0	8	0	8	0	8	0	9	0	9	0	9	0
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<p>6. Marital status</p> <p>Fill ONE circle for each person.</p>	<p><input type="radio"/> Now married <input type="radio"/> Separated</p> <p><input type="radio"/> Widowed <input type="radio"/> Never married</p> <p><input type="radio"/> Divorced</p>		<p><input type="radio"/> Now married <input type="radio"/> Separated</p> <p><input type="radio"/> Widowed <input type="radio"/> Never married</p> <p><input type="radio"/> Divorced</p>																																																																																																																																																																																																									
<p>7. Is this person of Spanish/Hispanic origin?</p> <p>Fill ONE circle for each person.</p> <p>If Yes, other Spanish/Hispanic, print one group.</p>	<p><input type="radio"/> No (not Spanish/Hispanic)</p> <p><input type="radio"/> Yes, Mexican, Mexican-Am., Chicano</p> <p><input type="radio"/> Yes, Puerto Rican</p> <p><input type="radio"/> Yes, Cuban</p> <p><input type="radio"/> Yes, other Spanish/Hispanic (Print one group, for example: Argentinean, Colombian, Dominican, Nicaraguan, Salvadoran, Spaniard, and so on.)</p>		<p><input type="radio"/> No (not Spanish/Hispanic)</p> <p><input type="radio"/> Yes, Mexican, Mexican-Am., Chicano</p> <p><input type="radio"/> Yes, Puerto Rican</p> <p><input type="radio"/> Yes, Cuban</p> <p><input type="radio"/> Yes, other Spanish/Hispanic (Print one group, for example: Argentinean, Colombian, Dominican, Nicaraguan, Salvadoran, Spaniard, and so on.)</p>																																																																																																																																																																																																									
<p>FOR CENSUS USE</p>	<p><input type="radio"/></p> <p><input type="radio"/></p>		<p><input type="radio"/></p> <p><input type="radio"/></p>																																																																																																																																																																																																									

<p>H18. When did the person listed in column 1 on page 2 move into this house or apartment?</p> <p> <input type="radio"/> 1989 or 1990 <input type="radio"/> 1985 to 1988 <input type="radio"/> 1980 to 1984 <input type="radio"/> 1970 to 1979 <input type="radio"/> 1960 to 1969 <input type="radio"/> 1969 or earlier </p>	<p>H14. Which FUEL is used MOST for heating this house or apartment?</p> <p> <input type="radio"/> Gas: from underground pipes serving the neighborhood <input type="radio"/> Gas: bottled, tank, or LP <input type="radio"/> Electricity <input type="radio"/> Fuel oil, kerosene, etc. <input type="radio"/> Coal or coke <input type="radio"/> Wood <input type="radio"/> Solar energy <input type="radio"/> Other fuel <input type="radio"/> No fuel used </p>	<p>H20. What are the yearly costs of utilities and fuels for this house or apartment? If you have lived here less than 1 year, estimate the yearly cost.</p> <p>a. Electricity</p> <p>\$ <input type="text"/> .00 Yearly cost — Dollars</p> <p>OR</p> <p> <input type="radio"/> Included in rent or in condominium fee <input type="radio"/> No charge or electricity not used </p>
<p>H19. How many bedrooms do you have; that is, how many bedrooms would you list if this house or apartment were on the market for sale or rent?</p> <p> <input type="radio"/> No bedroom <input type="radio"/> 1 bedroom <input type="radio"/> 2 bedrooms <input type="radio"/> 3 bedrooms <input type="radio"/> 4 bedrooms <input type="radio"/> 5 or more bedrooms </p>	<p>H15. Do you get water from —</p> <p> <input type="radio"/> A public system such as a city water department, or private company? <input type="radio"/> An individual drilled well? <input type="radio"/> An individual dug well? <input type="radio"/> Some other source such as a spring, creek, river, cistern, etc.? </p>	<p>b. Gas</p> <p>\$ <input type="text"/> .00 Yearly cost — Dollars</p> <p>OR</p> <p> <input type="radio"/> Included in rent or in condominium fee <input type="radio"/> No charge or gas not used </p>
<p>H10. Do you have COMPLETE plumbing facilities in this house or apartment; that is, 1) hot and cold piped water, 2) a flush toilet, and 3) a bathtub or shower?</p> <p> <input type="radio"/> Yes, have all three facilities <input type="radio"/> No </p>	<p>H16. Is this building connected to a public sewer?</p> <p> <input type="radio"/> Yes, connected to public sewer <input type="radio"/> No, connected to septic tank or cesspool <input type="radio"/> No, use other means </p>	<p>c. Water</p> <p>\$ <input type="text"/> .00 Yearly cost — Dollars</p> <p>OR</p> <p> <input type="radio"/> Included in rent or in condominium fee <input type="radio"/> No charge </p>
<p>H11. Do you have COMPLETE kitchen facilities; that is, 1) a sink with piped water, 2) a range or cookstove, and 3) a refrigerator?</p> <p> <input type="radio"/> Yes <input type="radio"/> No </p>	<p>H17. About when was this building first built?</p> <p> <input type="radio"/> 1989 or 1990 <input type="radio"/> 1985 to 1988 <input type="radio"/> 1980 to 1984 <input type="radio"/> 1970 to 1979 <input type="radio"/> 1960 to 1969 <input type="radio"/> 1950 to 1959 <input type="radio"/> 1940 to 1949 <input type="radio"/> 1939 or earlier <input type="radio"/> Don't know </p>	<p>d. Oil, coal, kerosene, wood, etc.</p> <p>\$ <input type="text"/> .00 Yearly cost — Dollars</p> <p>OR</p> <p> <input type="radio"/> Included in rent or in condominium fee <input type="radio"/> No charge or these fuels not used </p>
<p>H12. Do you have a telephone in this house or apartment?</p> <p> <input type="radio"/> Yes <input type="radio"/> No </p>	<p>H18. Is this house or apartment part of a condominium?</p> <p> <input type="radio"/> Yes <input type="radio"/> No </p>	
<p>H13. How many automobiles, vans, and trucks of one-ton capacity or less are kept at home for use by members of your household?</p> <p> <input type="radio"/> None <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 or more </p>	<p><i>If you live in an apartment building, skip to H20.</i></p> <p>H19a. Is this house on less than 1 acre?</p> <p> <input type="radio"/> Yes — Skip to H20 <input type="radio"/> No </p> <p>b. In 1989, what were the actual sales of all agricultural products from this property?</p> <p> <input type="radio"/> None <input type="radio"/> \$1 to \$999 <input type="radio"/> \$1,000 to \$2,499 <input type="radio"/> \$2,500 to \$4,999 <input type="radio"/> \$5,000 to \$9,999 <input type="radio"/> \$10,000 or more </p>	

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INSTRUCTION:

Answer questions H21 TO H26, if this is a one-family house, a condominium, or a mobile home that someone in this household OWNS OR IS BUYING; otherwise, go to page 6.

H21. What were the real estate taxes on THIS property last year?

\$.00
Yearly amount — Dollars

OR

None

H22. What was the annual payment for fire, hazard, and flood insurance on THIS property?

\$.00
Yearly amount — Dollars

OR

None

H23a. Do you have a mortgage, deed of trust, contract to purchase, or similar debt on THIS property?

- Yes, mortgage, deed of trust, or similar debt
 - Yes, contract to purchase
 - No — Skip to H24a
- } Go to H23b

b. How much is your regular monthly mortgage payment on THIS property? Include payment only on first mortgage or contract to purchase.

\$.00
Monthly amount — Dollars

OR

No regular payment required — Skip to H24a

c. Does your regular monthly mortgage payment include payments for real estate taxes on THIS property?

- Yes, taxes included in payment
- No, taxes paid separately or taxes not required

d. Does your regular monthly mortgage payment include payments for fire, hazard, or flood insurance on THIS property?

- Yes, insurance included in payment
- No, insurance paid separately or no insurance

H24a. Do you have a second or junior mortgage or a home equity loan on THIS property?

- Yes
- No — Skip to H25

b. How much is your regular monthly payment on all second or junior mortgages and all home equity loans?

\$.00
Monthly amount — Dollars

OR

No regular payment required

Answer ONLY if this is a CONDOMINIUM —
H25. What is the monthly condominium fee?

\$.00
Monthly amount — Dollars

Answer ONLY if this is a MOBILE HOME —
H26. What was the total cost for personal property taxes, site rent, registration fees, and license fees on this mobile home and its site last year? Exclude real estate taxes.

\$.00
Yearly amount — Dollars

Please turn to page 6. →

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APPENDIX F.

Data Products and User Assistance

CONTENTS

Data Products	F-1
Geographic Products	F-3
Other Census Bureau Resources	F-5
Reference Materials	F-4
Sources of Assistance	F-4

The 1990 census data products, being released during 1991-93, are available in a variety of new and traditional media. The Census Bureau has increased the product options available to data users in an effort to meet a variety of requirements and maximize the usefulness of the data. For example, laser discs, called CD-ROM (compact disc—read-only memory), are a new data delivery medium.

The Census Bureau also has expanded services and sources of assistance available to data users. For example, the State Data Center Program has been expanded to include over 1,400 organizations to provide data and services to the public.

This appendix provides a detailed introduction to the 1990 census data products and related materials, such as maps and reference publications. It concludes by describing sources of assistance and other Census Bureau data available to the public.

DATA PRODUCTS

Printed reports and computer tape files traditionally are the most widely used products. The Census Bureau also offers data on microfiche, on CD-ROM laser discs, and through its online service, CENDATA™. These various products are described below. For information about prices and how to order, write or call Customer Services. (See the "Sources of Assistance" section for the address and phone number.)

The data products present statistics about the subjects covered in the 1990 census questionnaires. These subjects are listed in figure 1, page F-8. As the figure shows, there are 100-percent subjects (those covered in questions asked of everyone or about every housing unit) and sample subjects (those covered in questions asked at about one out of every six housing units). Generally, a data product presents either 100-percent data prepared by tabulating the responses to the 100-percent questions from all questionnaires, or sample data prepared by tabulating only the responses to the 100-percent and sample questions from the "long-form" questionnaires. Two report series, 1990 CPH-3 and 1990 CPH-4 (see figure 2, page F-9), present both 100-percent and sample data.

Printed Reports

Printed reports are the most convenient and readily available source of data for most census users. The Census Bureau releases the reports in several series (see figure 2) that are grouped under three broad titles: *1990 Census of Population and Housing* (1990 CPH), *1990 Census of Population* (1990 CP), and *1990 Census of Housing* (1990 CH). There also are reports, not reflected in figure 2, for the outlying areas of the Pacific. The reports are sold by the Superintendent of Documents, U.S. Government Printing Office. (See the "Sources of Assistance" section for the address and phone number.)

In several series, there are separate reports for each State. The geographic coverage of the State reports is listed in figure 2. The United States summaries for these report series contain, for the most part, data for the United States, regions, divisions, States, metropolitan areas (MA's), urbanized areas (UA's), counties, American Indian and Alaska Native areas, places with 10,000 or more persons, and other large substate areas (for example, county subdivisions, such as towns and townships, with 10,000 or more persons in selected States).

Report series that present data for small areas, such as census tracts, contain limited subject-matter detail (for example, counts of people by age ranges—under 5 years, 5 to 9 years, etc.—rather than by single years). Report series that include greater amounts of subject-matter detail include less geographic detail.

Computer Tape Files

The Census Bureau provides more data on tape and other machine-readable products than in printed reports. These products are sold by the Census Bureau's Customer Services. There are several general types of data files released on computer tape (available on both reels and cartridges). They are introduced below, and more information is presented in figures 3 and 4, pages F-12 through F-14.

Public Law 94-171 Data—This data file presents the counts designed and formatted for use in legislative redistricting. These counts also are available on CD-ROM and paper listings. Excerpts are available on CENDATA™. The counts, for areas as small as blocks, census tracts, and voting districts, include totals for population, race groups, persons of Hispanic origin, population 18 years and over, and housing units. (See figure 4.)

Summary Tape Files (STF's)— These computer tape files provide statistics with greater subject-matter detail than printed reports. They also present statistics for some types of areas, such as block groups and blocks, that are not included in the reports. (See figure 3.)

Here are some important features of STF's:

- Each STF presents a particular set of data tables for specific types of geographic areas.
- Each STF has three or more file types (indicated by a letter suffix attached to the STF number) that differ in the geographic levels reported, but contain the same data detail.
- STF's 1 and 2 contain 100-percent data, and STF's 3 and 4 offer sample data.
- STF's 1 and 3 report on smaller areas and offer less data detail than STF's 2 and 4.
- STF's 1 through 4 offer greater data detail than the 1980 STF's 1 through 4.

Subject Summary Tape Files (SSTF's)—These files are the source of the subject reports and provide greater subject-matter detail than the STF's. They present data for the United States, regions, and divisions, and, in some cases, also for States, counties, and large cities. (See figure 4.)

Public Use Microdata Sample (PUMS) Files—These computer tape files (see figure 4) contain data from samples of long-form housing-unit records ("microdata") for large geographic areas. Each sample housing-unit record includes essentially all the 1990 census data collected about each person in a sample household and the characteristics of the housing unit. Information that could be used to identify an individual or a housing unit is not included in the file.

Microdata files enable users to prepare customized tabulations and cross-tabulations of most items on the census questionnaire. There are two PUMS files:

- A file presenting a 5-percent sample of housing units in which each household record includes codes to let the user know in what area, such as a group of counties, a single county, or a place, the household is located. Each area identified must have a population of at least 100,000 and boundaries that do not cross State lines.
- A file presenting a 1-percent sample of housing units. Its household records include codes associating them with MA's and other large areas, the boundaries of which may cross State lines. (For the 1980 census, there were two files with 1-percent samples. The 1-percent sample showing data for selected urbanized areas and other large areas will not be produced for the 1990 census.)

Other Special Computer Tape Files—Other files include the Census/Equal Employment Opportunity (EEO) Special File and the County-to-County Migration File. (See figure 4.) The Census Bureau may prepare additional special files.

Microfiche

Block statistics are available on microfiche as they were for the 1980 census. The microfiche present, in table format, a subset of the tabulations for census blocks found in STF 1B (see figure 3). In the 1990 census, for the first time, the entire land area of the Nation and its possessions was block-numbered. This increased the number of blocks for which the Census Bureau provides data from 2.5 million in 1980 to 7 million for 1990. The cost and storage of block data of this magnitude would be prohibitive if the data were published in printed reports.

STF's 1A and 3A are available on microfiche, as well. As noted in figure 3, they provide data for a variety of geographic areas. Also, all printed reports are offered on microfiche from Customer Services soon after they are published.

Compact Disc—Read-Only Memory (CD-ROM)

For the 1990 census, the Public Law (P.L.) 94-171 file; an extract of STF 1B that presents selected statistics for blocks; and STF's 1A, 1C, 3A, 3B, and 3C are also available on CD-ROM. (One 4 3/4-inch CD-ROM, a type of optical or laser disc, can hold the contents of approximately 1,600 flexible diskettes, or three or four high-density computer tapes.)

Online Information Systems

The Census Bureau began CENDATA™, its online information service, in 1984. CENDATA™ is accessible through two information vendors, CompuServe and DIALOG. A number of Census Bureau reports, in whole or in part, are offered online. For the 1990 census, CENDATA™ provides up-to-date information about the availability of data products and carries selections of State, county, MA, and place data from the P.L. 94-171 tape file and STF's 1 and 3.

Custom Data Products

These products are for users who require unique tabulations that are not included in standard products; for example, information for locally defined geographic areas. Users also can order special microdata files.

The cost of preparing custom products must be paid by the users who request them. Any data that the Census Bureau provides in these products are subject to the same standards applied to other data to ensure that confidential individual information is not revealed.

User-Defined Areas Program (UDAP) Tabulations—UDAP can provide a set of predefined data tables for locally defined areas that do not correspond to standard 1990 census geographic areas. Users identify the geographic areas of interest to them by delineating boundaries around groupings of census blocks on 1990 census County Block Maps or by electronically submitting the geographic components of their area of interest. (A contact for more information is given in the "Sources of Assistance" section.)

Special Tabulations—The Census Bureau can prepare special data tabulations for any specific geographic or subject-matter area. Users should rely on standard reports, tapes, microfiche, or user-defined area tabulations whenever possible, since special tabulations tend to be substantially more expensive and take time to arrange and produce. (Contacts for more information are given in the "Sources of Assistance" section.)

GEOGRAPHIC PRODUCTS

Maps

Census Bureau maps are necessary for virtually all uses of small-area 1990 census data. They are needed to locate the specific geographic areas for which the census provides data and to study the spatial relationship of the data for analytic purposes. The Census Bureau prepares a variety of 1990 census maps. Among the most useful are these four series:

County Block Maps—These maps show census blocks and their numbers; boundaries for statistical and governmental entities, such as census tracts and places; and physical features. The P.L. 94-171 version of these maps also shows voting district boundaries in those States that furnished them. The maps are prepared on electrostatic plotters by county (or equivalent entity) with one or more map sheets each, depending on the size and shape of the area and the density of the block pattern. An average county requires 20 map sheets. The maps may be purchased from Customer Services.

County Subdivision Outline Maps—Maps in this State-based series present the boundaries of the counties, county subdivisions, places, American Indian and Alaska Native areas (including off-reservation trust lands), tribal designated statistical areas, and tribal jurisdiction statistical areas. Electrostatic-plotter copies are available for purchase from Customer Services. Also, they appear on multiple page-size sheets in the State reports of these series: 1990 CPH-1, 1990 CPH-2, 1990 CPH-5, 1990 CP-1, 1990 CP-2, 1990 CH-1, and 1990 CH-2.

Census Tract/Block Numbering Area (BNA) Outline Maps—Maps in this county-based series depict census tract or BNA boundaries and numbers, and the features

underlying the boundaries. They also show governmental units in relation to the census tracts/BNA's. Customer Services sells electrostatic-plotter copies, and the Superintendent of Documents sells printed copies.

Voting District Outline Maps—Maps in this county-based series depict voting district boundaries (for those counties for which States furnished boundary information) and the features underlying the boundaries. They also show governmental unit boundaries in relation to the voting districts. They are prepared on electrostatic plotters and sold by Customer Services.

Geographic Publications

The *Geographic Identification Code Scheme* report in the 1990 CPH-R series shows the 1990 census geographic area codes and Federal information processing standards (FIPS) codes, as appropriate, for States, metropolitan areas, counties, county subdivisions, places, American Indian and Alaska Native areas, and other entities, along with some descriptive information about the codes. The code scheme also is offered on computer tape.

Machine-Readable Geographic Files

All 1990 census summary tape files include 1990 census geographic area codes, FIPS codes, certain area names, land and inland water area in square kilometers, geographic coordinates for an internal point for each entity, and other geographic information.

The Census Bureau developed an automated geographic data base, known as the TIGER (Topologically Integrated Geographic Encoding and Referencing) System, to produce the geographic products for the 1990 census. TIGER provides coordinate-based digital map information for the entire United States, Puerto Rico, the U.S. Virgin Islands, and the Pacific territories over which the United States has jurisdiction.

The TIGER System has significantly improved the utility of 1990 census maps and geographic reference products. Extract files generated from the TIGER System permit users, with appropriate software, to perform such tasks as linking the statistical data in the P.L. 94-171 file or the STF's and displaying selected characteristics on maps or a video display screen at different scales and with whatever boundaries they select for any geographic area of the country. For example, a map for a particular county could show the distribution of the voting age population by city block.

The first extract of selected geographic and cartographic information intended for computer applications, such as plotting maps and building geographic information systems, is called the TIGER/Line™ files. TIGER/Line™ files contain attributes for the segments of each boundary and feature (for example, roads, railroads, and rivers), including 1990 census geographic codes for

adjacent areas, latitude/longitude coordinates of segment end points and the curvature of segments, the name and type of the feature, and the relevant census feature class code identifying the feature segment by category. TIGER/Line™ files also furnish address ranges and associated ZIP Codes for each side of street segments in major urban areas; provide the names of landmarks, such as lakes and golf courses; and include other information.

TIGER/Line™ files and other TIGER System extracts, such as TIGER/Boundary™ and TIGER/DataBase™, are released on computer tape and, in some cases, CD-ROM. For information on TIGER extract files, contact Customer Services.

REFERENCE MATERIALS

The Census Bureau issues several reference publications for data users. Some are sold by the Superintendent of Documents; others are distributed free by Customer Services. Addresses and phone numbers for the Superintendent of Documents and Customer Services are given in the following section.

- *1990 Census of Population and Housing, Guide.* This guide, in the 1990 CPH-R report series, provides detailed information about all aspects of the census and a comprehensive glossary of census terms. Sold by the Superintendent of Documents, U.S. Government Printing Office.
- *1990 Census of Population and Housing Tabulation and Publication Program.* A free report describing 1990 census products, comparing 1990 products with those of 1980, and more. Request from Customer Services.
- *Census '90 Basics.* A free booklet covering how the 1990 census data were collected and processed, the full range of data products, the maps and geographic files, and more, but with less detail than the Guide (above). Request from Customer Services.
- *Census ABC's—Applications in Business and Community.* A free booklet that highlights key information about the 1990 census and illustrates a variety of ways the data can be used. Request from Customer Services.
- *Strength in Numbers.* A free, tabloid-size booklet designed to assist people in using 1990 census data in redistricting. Among other features, it includes illustrations of maps and Public Law 94-171 counts. Request from Customer Services.
- *TIGER: The Coast-to-Coast Digital Map Data Base.* A free booklet describing the structure and uses of the Census Bureau's TIGER System. Request from Customer Services.

- *Census and You.* The Census Bureau's monthly newsletter for data users. It reports on the latest 1990 census developments, selected new publications and computer tape files, other censuses and surveys, developments in services to users, and upcoming conferences and training courses. Subscriptions are sold by the Superintendent of Documents, U.S. Government Printing Office.

- *Monthly Product Announcement.* A free monthly listing of all new Census Bureau publications; microfiche; maps; data files on tape, diskettes, or CD-ROM; and technical documentation. To subscribe, contact Customer Services.

- *Census Catalog and Guide.* A comprehensive annual description of data products, statistical programs, and services of the Census Bureau. It provides abstracts of the publications, data files, microfiche, maps, and items online. In addition, the Catalog/Guide offers such features as information about censuses and surveys and telephone contact lists of data specialists at the Census Bureau, the State Data Centers, and other data processing service centers. It is sold by the Superintendent of Documents, U.S. Government Printing Office.

Users also can get listings of new Census Bureau products, updated daily, by subscribing to the *Daily List*. This information and selected statistics are available online through CENDATA™, the Census Bureau's online information service. For more information, contact Customer Services.

SOURCES OF ASSISTANCE

U.S. Bureau of the Census

The Census Bureau's Customer Services sells most of the machine-readable data products, microfiche, and maps described earlier. (The 1990 census printed reports are sold by the Superintendent of Documents, as noted below.) Also, users may consult with specialists at the Census Bureau's Washington headquarters and its 12 regional offices. From time to time, the specialists also conduct workshops, seminars, and training courses.

Washington, DC, Contacts—To order products, for a telephone contacts list of Census Bureau specialists, and for general information: Customer Services, U.S. Bureau of the Census, Washington, DC 20233, telephone 301-763-4100 (FAX number, 301-763-4794).

For User-Defined Areas Program (UDAP) information: UDAP Staff, Decennial Planning Division, U.S. Bureau of the Census, Washington, DC 20233, telephone 301-763-4282.

For special tabulation information: Population—Rosemarie Cowan, Population Division, U.S. Bureau of the Census, Washington, DC 20233, telephone 301-763-5476; Housing—William Downs, Housing and Household Economic Statistics, U.S. Bureau of the Census, Washington, DC 20233, telephone 301-763-8553.

Regional Office Contacts—

Atlanta, GA	404-347-2274
Boston, MA	617-565-7078
Charlotte, NC	704-371-6144
Chicago, IL	312-353-0980
Dallas, TX	214-767-7105
Denver, CO	303-969-7750
Detroit, MI	313-354-4654
Kansas City, KS	913-236-3711
Los Angeles, CA	818-904-6339
New York, NY	212-264-4730
Philadelphia, PA	215-597-8313
Seattle, WA	206-728-5314

Superintendent of Documents, U.S. Government Printing Office

The Superintendent of Documents handles the sale of most of the Federal Government's publications, including 1990 census reports. To order reports and for information: Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, telephone 202-783-3238.

Other Sources of Products and Services

State Data Centers—The Census Bureau furnishes data products, training in data access and use, technical assistance, and consultation to all States, the District of Columbia, Guam, Puerto Rico, and the U.S. Virgin Islands. State Data Centers, in turn, offer publications for reference, printouts from computer tape, specially prepared reports, maps, and other products and assistance to data users. For a list of the State Data Centers, see the *Census Catalog and Guide* or contact Customer Services. The list also notes organizations in States participating in the Census Bureau's Business/Industry Data Center (BIDC) Program. The BIDC's help business people, economic development planners, and other data users obtain and use data.

National Services Program—The National Services Program (NSP) provides data-related services for nationally based nonprofit organizations that represent minorities or other segments of the population who have been historically undercounted in decennial censuses. The participants include social service, business, professional, civil rights, educational, and religious groups. Through a pilot project, the National Services Information Center (NSIC) Initiative, three of these nonprofit

groups now offer their clientele reports, computer tape printouts, and other information from the Census Bureau. To learn more about the NSP and the NSIC, write to the National Services Program, Data User Services Division, Bureau of the Census, Washington, DC 20233, or call 301-763-1384.

National Clearinghouse—The National Clearinghouse for Census Data Services is a listing of private companies and other organizations that offer assistance in obtaining and using data released by the Census Bureau. For a list of participants in the National Clearinghouse, see the *Census Catalog and Guide* or contact Customer Services.

Depository Libraries—There are 1,400 libraries that receive (from the Government Printing Office) Federal publications that they think their patrons will need. Often some of these publications are Census Bureau reports. The Census Bureau provides free reports to an additional 120 census depository libraries. Also, many libraries purchase census reports and maps for their areas. The *Census Catalog and Guide* includes a list of all depository libraries.

OTHER CENSUS BUREAU RESOURCES

The Census Bureau has more to offer than just the results of the census of population and housing. Through other censuses, surveys, and estimates programs, it compiles and issues (in reports, computer tape, and other media) data on subjects as diverse as appliance sales, neighborhood conditions, and exports to other countries. Here are examples of the information published about—

- **People:** Age, race, sex, income, poverty, child care, child support, fertility, noncash benefits, education, commuting habits, pension coverage, unemployment, ancestry.
- **Business and industry:** Number of employees, total payroll, sales and receipts, products manufactured or sold.
- **Housing and construction:** Value of new construction, numbers of owners and renters, property value or rent paid, housing starts, fuels used, mortgage costs.
- **Farms:** Number, acreage, livestock, crop sales.
- **Governments:** Revenues and expenditures, taxes, employment, pension funds.
- **Foreign trade:** Exports and imports, origin and destination, units shipped.
- **Other nations:** Population, birth rates, death rates, literacy, fertility.

The other censuses, such as agriculture, retail trade, manufactures, and governments, are collected for years ending in "2" and "7." Surveys and estimates programs generate results as often as every month.

Many of the monthly "economic indicators" that measure how the Nation is doing come directly or indirectly from the Census Bureau. Examples: employment and unemployment; housing starts; wholesale and retail trade; manufacturers' shipments, inventories, and orders; export and import trade; and sales of single-family homes.

The other statistical activities of the Census Bureau are described below. Data users will find more information about them and descriptions of their data products in the annual *Census Catalog and Guide*. Also, special guides and brochures are prepared for most of them. Contact the Census Bureau's Customer Services for more information.

Current Demographic and Housing Programs

Two types of current programs complement the 10-year census: population estimates and surveys. The total population of the United States is estimated monthly; the population of States, counties, and metropolitan areas is estimated annually; and the population of places and other governmental units is estimated every 2 years. Projections of future population are made at the national and State levels.

The Census Bureau's many household surveys update population and housing characteristics at the national level and sometimes for States and metropolitan areas, as well. These surveys also obtain many characteristics not included in the 10-year census. The Current Population Survey is taken monthly; the American Housing Survey national sample is taken biennially; the American Housing Survey metropolitan sample is taken in 44 areas, 11 per year in a 4-year cycle; most other surveys are annual or less frequent.

Economic Censuses and Surveys

The economic censuses provide statistics about business establishments once every 5 years, covering years ending in "2" and "7." The 1987 Economic Censuses include the censuses of retail trade, wholesale trade, service industries, transportation, manufactures, mineral industries, and construction industries. Also included are related programs, such as statistics on minority- and women-owned businesses, enterprise statistics, and censuses of economic activity in Puerto Rico and some of the outlying areas under U.S. jurisdiction.

Several key statistics are tabulated for all industries covered in the censuses. They are number of establishments, number of employees, payroll, and measure of output (sales or receipts, and value of shipments or of work done). Other items vary from sector to sector.

The Census Bureau also has programs that provide current statistics on such measures as total sales of particular kinds of businesses or production of particular products. These programs include monthly, quarterly, and annual surveys, the results of which appear in publication series such as *Current Business Reports* and *Current Industrial Reports*. The County Business Patterns program offers annual statistics based on data compiled primarily from administrative records.

Agriculture Census and Surveys

The agriculture census is conducted concurrently with the economic censuses. It is the only source of uniform agriculture data at the county level. It provides data on such subjects as the number and size of farms; land use and ownership; livestock, poultry, and crops; and value of products sold.

Results of three surveys—the 1988 Farm and Ranch Irrigation Survey, 1988 Census of Horticulture Specialties, and 1988 Agricultural Economics and Land Ownership Survey—are published in conjunction with the 1987 Census of Agriculture. Also, the Census Bureau regularly issues reports from a survey on cotton ginnings.

Governments Census and Surveys

The census of governments, also for years ending in "2" and "7," covers all types of governments: Federal, State, county, municipal (place), township (county subdivision), school district, and special district. It provides data on such subjects as number of public employees, payrolls, revenue, and expenditures.

Annual and quarterly surveys cover the same principal subjects but generate data only for States and the largest local governments.

Foreign Trade Statistics

Monthly U.S. merchandise trade data compiled by the Census Bureau summarize export and import transactions and are based on the official documents filed by shippers and receivers. These figures reflect the flow of merchandise but not intangibles like services and financial commitments. The trade figures trace commodity movements out of and into the U.S. Customs jurisdiction, which includes Puerto Rico and the U.S. Virgin Islands as well as the 50 States and the District of Columbia. Data are published separately on trade between the United States and Puerto Rico, the U.S. Virgin Islands, and other U.S. possessions.

Other Statistical Activities

The Census Bureau also offers international data. It maintains an international data base which is available to the public on computer tape and is used to produce

the biennial *World Population Profile* report. It prepares studies dealing with the demographic and economic characteristics of other countries and world regions.

Statistical compendia are another important data product. These publications (sometimes also offered in machine-readable form) draw data from many sources

and reorganize them for convenient use. The most widely used compendia are the annual *Statistical Abstract of the United States*, the *County and City Data Book* (published every 5 years), and the *State and Metropolitan Area Data Book* (published approximately every 4 years).

Figure 1. 1990 Census Content

100-PERCENT COMPONENT

Population

Household relationship
Sex
Race
Age
Marital status
Hispanic origin

Housing

Number of units in structure
Number of rooms in unit
Tenure—owned or rented
Value of home or monthly rent
Congregate housing (meals included in rent)
Vacancy characteristics

SAMPLE COMPONENT

Population

Social characteristics:
Education—enrollment and attainment
Place of birth, citizenship, and year of entry into U.S.
Ancestry
Language spoken at home
Migration (residence in 1985)
Disability
Fertility
Veteran status

Economic characteristics:

Labor force
Occupation, industry, and class of worker
Place of work and journey to work
Work experience in 1989
Income in 1989
Year last worked

Housing

Year moved into residence
Number of bedrooms
Plumbing and kitchen facilities
Telephone in unit
Vehicles available
Heating fuel
Source of water and method of sewage disposal
Year structure built
Condominium status
Farm residence
Shelter costs, including utilities

NOTE: Questions dealing with the subjects covered in the 100-percent component were asked of all persons and housing units. Those covered by the sample component were asked of a sample of the population and housing units.

Figure 2. 1990 Census Printed Reports

Series	Title	Report(s) issued for	Description	Geographic areas
1990 CENSUS OF POPULATION AND HOUSING (1990 CPH)				
100-Percent Data				
1990 CPH-1	Summary Population and Housing Characteristics	U.S., States, DC, Puerto Rico, and U.S. Virgin Islands	Population and housing unit counts, and summary statistics on age, sex, race, Hispanic origin, household relationship, units in structure, value and rent, number of rooms, tenure, and vacancy characteristics	Local governmental units (i.e., counties, places, and towns and townships), other county subdivisions, and American Indian and Alaska Native areas
1990 CPH-2	Population and Housing Unit Counts	U.S., States, DC, Puerto Rico, and U.S. Virgin Islands	Total population and housing unit counts for 1990 and previous censuses	States, counties, county subdivisions, places, State component parts of metropolitan areas (MA's) and urbanized areas (UA's), and summary geographic areas (for example, urban and rural)
100-Percent and Sample Data				
1990 CPH-3	Population and Housing Characteristics for Census Tracts and Block Numbering Areas	MA's, and the nonmetropolitan balance of each State, Puerto Rico, and U.S. Virgin Islands	Statistics on 100-percent and sample population and housing subjects	In MA's: census tracts/ block numbering areas (BNA's), places of 10,000 or more inhabitants, and counties. In the remainder of each State: census tracts/ BNA's, places of 10,000 or more, and counties
1990 CPH-4	Population and Housing Characteristics for Congressional Districts of the 103rd Congress	States and DC	Statistics on 100-percent and sample population and housing subjects	Congressional districts (CD's) and, within CD's, counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, and American Indian and Alaska Native areas
Sample Data				
1990 CPH-5	Summary Social, Economic, and Housing Characteristics	U.S., States, DC, Puerto Rico, and U.S. Virgin Islands	Statistics generally on sample population and housing subjects	Local governmental units (i.e., counties, places, and towns and townships), other county subdivisions, and American Indian and Alaska Native areas
1990 CENSUS OF POPULATION (1990 CP)				
100-Percent Data				
1990 CP-1	General Population Characteristics	U.S., States, DC, Puerto Rico, and U.S. Virgin Islands	Detailed statistics on age, sex, race, Hispanic origin, marital status, and household relationship characteristics	States, counties, places of 1,000 or more inhabitants, county subdivisions of 1,000 or more inhabitants in selected States, State parts of American Indian areas, Alaska Native areas, and summary geographic areas such as urban and rural

Figure 2. 1990 Census Printed Reports—Con.

Series	Title	Report(s) issued for	Description	Geographic areas
1990 CENSUS OF POPULATION (1990 CP)—Con.				
100-Percent Data—Con.				
1990 CP-1-1A	General Population Characteristics for American Indian and Alaska Native Areas	U.S.	Detailed statistics on age, sex, race, Hispanic origin, marital status, and household relationship characteristics	American Indian and Alaska Native areas; i.e., American Indian reservations, off-reservation trust lands, tribal jurisdiction statistical areas (Oklahoma), tribal designated statistical areas, Alaska Native village statistical areas, and Alaska Native Regional Corporations
1990 CP-1-1B	General Population Characteristics for Metropolitan Areas	U.S.	Detailed statistics on age, sex, race, Hispanic origin, marital status, and household relationship characteristics	Individual MA's. For MA's split by State boundaries, summaries are provided both for the parts and for the whole MA
1990 CP-1-1C	General Population Characteristics for Urbanized Areas	U.S.	Detailed statistics on age, sex, race, Hispanic origin, marital status, and household relationship characteristics	Individual UA's. For UA's split by State boundaries, summaries are provided both for the parts and for the whole UA
Sample Data				
1990 CP-2	Social and Economic Characteristics	U.S., States, DC, Puerto Rico, and U.S. Virgin Islands	Statistics generally on sample population subjects	States (including summaries such as urban and rural), counties, places of 2,500 or more inhabitants, county subdivisions of 2,500 or more inhabitants in selected States, Alaska Native areas, and the State portion of American Indian areas
1990 CP-2-1A	Social and Economic Characteristics for American Indian and Alaska Native Areas	U.S.	Statistics generally on sample population subjects	American Indian and Alaska Native areas, as for CP-1-1A
1990 CP-2-1B	Social and Economic Characteristics for Metropolitan Areas	U.S.	Statistics generally on sample population subjects	Individual MA's, as for CP-1-1B
1990 CP-2-1C	Social and Economic Characteristics for Urbanized Areas	U.S.	Statistics generally on sample population subjects	Individual UA's, as for CP-1-1C
1990 CP-3	Population Subject Reports	Selected subjects	Approximately 30 reports on population census subjects such as migration, education, income, the older population, and racial and ethnic groups	Generally limited to the U.S., regions, and divisions; for some reports, other highly populated areas such as States, MA's, counties, and large places

Figure 2. 1990 Census Printed Reports—Con.

Series	Title	Report(s) issued for	Description	Geographic areas
1990 CENSUS OF HOUSING (1990 CH)				
100-Percent Data				
1990 CH-1	General Housing Characteristics	U.S., States, DC, Puerto Rico, and U.S. Virgin Islands	Detailed statistics on units in structure, value and rent, number of rooms, tenure, and vacancy characteristics	States, counties, places of 1,000 or more inhabitants, county subdivisions of 1,000 or more inhabitants in selected States, State parts of American Indian areas, Alaska Native areas, and summary geographic areas such as urban and rural
1990 CH-1-1A	General Housing Characteristics for American Indian and Alaska Native Areas	U.S.	Detailed statistics on units in structure, value and rent, number of rooms, tenure, and vacancy characteristics	American Indian and Alaska Native areas; i.e., American Indian reservations, trust lands, tribal jurisdiction statistical areas (Oklahoma), tribal designated statistical areas, Alaska Native village statistical areas, and Alaska Native Regional Corporations
1990 CH-1-1B	General Housing Characteristics for Metropolitan Areas	U.S.	Detailed statistics on units in structure, value and rent, number of rooms, tenure, and vacancy characteristics	Individual MA's. For MA's split by State boundaries, summaries are provided both for the parts and for the whole MA
1990 CH-1-1C	General Housing Characteristics for Urbanized Areas	U.S.	Detailed statistics on units in structure, value and rent, number of rooms, tenure, and vacancy characteristics	Individual UA's. For UA's split by State boundaries, summaries are provided both for the parts and for the whole UA
Sample Data				
1990 CH-2	Detailed Housing Characteristics	U.S., States, DC, Puerto Rico, and U.S. Virgin Islands	Statistics generally on sample housing subjects	States (including summaries such as urban and rural), counties, places of 2,500 or more inhabitants, county subdivisions of 2,500 or more inhabitants in selected States, Alaska Native areas, and State parts of American Indian areas
1990 CH-2-1A	Detailed Housing Characteristics for American Indian and Alaska Native Areas	U.S.	Statistics generally on sample housing subjects	American Indian and Alaska Native areas, as in 1990 CH-1-1A
1990 CH-2-1B	Detailed Housing Characteristics for Metropolitan Areas	U.S.	Statistics generally on sample housing subjects	Individual MA's, as in 1990 CH-1-1B
1990 CH-2-1C	Detailed Housing Characteristics for Urbanized Areas	U.S.	Statistics generally on sample housing subjects	Individual UA's, as in 1990 CH-1-1C
1990 CH-3	Housing Subject Reports	Selected subjects	Approximately 10 reports on housing census subjects such as structural characteristics and space utilization	Generally limited to U.S., regions, and divisions; for some reports, other highly populated areas such as States, MA's, counties, and large places

Figure 3. 1990 Census Summary Tape Files

Summary Tape File (STF 1A, 1B, etc.) and data type (100 percent or sample) ¹	Geographic areas	Description	
STF 1 (100 percent)	A ^{2 3}	States, counties, county subdivisions, places, census tracts/block numbering areas (BNA's), block groups (BG's). Also Alaska Native areas and State parts of American Indian areas	
	B ^{2 3}	States, counties, county subdivisions, places, census tracts/BNA's, BG's, blocks. Also Alaska Native areas and State parts of American Indian areas	
	C ³	U.S., regions, divisions, States (including summaries such as urban and rural), counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, metropolitan areas (MA's), urbanized areas (UA's), American Indian and Alaska Native areas	Over 900 cells/items of 100-percent population and housing counts and characteristics for each geographic area
	D	Congressional districts (CD's) of the 103rd Congress by State; and within each CD: counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, Alaska Native areas, and American Indian areas	
STF 2 (100 percent)	A	In MA's: counties, places of 10,000 or more inhabitants, and census tracts/BNA's. In the remainder of each State: counties, places of 10,000 or more inhabitants, and census tracts/BNA's	
	B	States (including summaries such as urban and rural), counties, places of 1,000 or more inhabitants, county subdivisions, State parts of American Indian areas, and Alaska Native areas	
	C	U.S., regions, divisions, States (including summaries such as urban and rural), counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, all county subdivisions in New England MA's, American Indian and Alaska Native areas, MA's, UA's	
STF 3 (Sample)	A ^{2 3}	States, counties, county subdivisions, places, census tracts/BNA's, BG's. Also Alaska Native areas and State parts of American Indian areas	
	B ³	Five-digit ZIP Codes within each State	
	C ³	U.S., regions, divisions, States, counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, American Indian and Alaska Native areas, MA's, UA's	Over 3,300 cells/items of sample population and housing characteristics for each geographic area
	D	CD's of the 103rd Congress by State; and within each CD: counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States	

Figure 3. 1990 Census Summary Tape Files—Con.

**Summary Tape File
(STF 1A, 1B, etc.)
and data type
(100 percent or
sample)¹**

	Geographic areas	Description
	A In MA's: counties, places of 10,000 or more inhabitants, and census tracts/BNA's. In the remainder of each State: counties, places of 10,000 or more inhabitants, and census tracts/BNA's	
STF 4 (Sample)	B State (including summaries such as urban and rural), counties, places of 2,500 or more inhabitants, county subdivisions of 2,500 or more inhabitants in selected States, all county subdivisions in New England MA's, State parts of American Indian areas, and Alaska Native areas	Over 8,500 cells/ items of sample population and housing characteristics for each geographic area. Each of the STF 4 files will include a set of tabulations for the total population and separate presentations of tabulations by race and Hispanic origin.
	C U.S., regions, divisions, States (including urban and rural and metropolitan and nonmetropolitan components), counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, all county subdivisions in New England MA's, American Indian and Alaska Native areas, MA's, UA's	

¹Similar STF's will be prepared for Puerto Rico and the U.S. Virgin Islands.

²Also available on microfiche. STF 1B microfiche provides only part of the data for blocks and other areas in the tape file.

³Also available on laser disc (CD-ROM). STF 1B CD-ROM presents the same file extract as STF 1B microfiche.

Figure 4. Other 1990 Census Data Products

Title	Description	Geographic areas
Subject Summary Tape Files	About 20 computer tape files used to produce the subject reports (1990 CP-3 and 1990 CH-3 series). On the average, a file is the source of two subject reports	U.S., regions, divisions, States, metropolitan areas (MA's), and large counties and places
Public Law 94-171 Data File (redistricting data)	Counts by total, race, and Hispanic origin for the total population and population 18 years old and over, and counts of housing units. Available on tape, CD-ROM, and paper listings	States, counties, county subdivisions, places, census tracts/ block numbering areas (BNA's), block groups (BG's), and blocks; voting districts where States have identified them for the Census Bureau; and American Indian and Alaska Native areas
Census/ Equal Employment Opportunity (EEO) Special File	Sample tabulations showing detailed occupations and educational attainment data by age; cross tabulated by sex, Hispanic origin, and race	Counties, MA's, places of 50,000 or more inhabitants
County-to-County Migration File	Summary statistics for all intra-state county-to-county migration streams and significant inter-state county-to-county migration streams. Each record will include codes for the geographic area of destination, and selected characteristics of the persons who made up the migration stream	States, counties
Public Use Microdata Sample (PUMS) Files	Machine-readable files containing a sample of individual long-form census records showing most population and housing characteristics but with identifying information removed	
5 Percent—PUMS Areas		County groups, counties, county subdivisions, and places with 100,000 or more inhabitants
1 Percent—Metropolitan Areas (1990)		MA's and other large areas with 100,000 or more inhabitants
User-Defined Areas Tabulations	A set of standard tabulations provided on printouts, tapes, or other products with maps and narrative (if requested)	User-defined areas created by aggregating census blocks
Special Tabulations	User-defined tabulations for specified geographic areas provided on printouts, tapes, or other products	User-defined areas or standard areas

APPENDIX G. Code Lists

CONTENTS

Industry	G-1
Occupation	G-8

INDUSTRY

The list presents the industrial classification developed for the 1990 Census of Population and Housing. There are 235 categories for the employed, with 1 additional category for the experienced unemployed, and 7 additional categories for the Armed Forces. These categories are aggregated into 13 major groups. The classification is developed from the 1987 Standard Industrial Classification. "n.e.c." is the abbreviation for not elsewhere classified.

1990
Census
code

Industry category

AGRICULTURE, FORESTRY, AND FISHERIES

010	Agricultural production, crops (01)
011	Agricultural production, livestock (02)
012	Veterinary services (074)
020	Landscape and horticultural services (078)
030	Agricultural services, n.e.c. (071, 072, 075, 076)
031	Forestry (08)
032	Fishing, hunting, and trapping (09)

MINING

040	Metal mining (10)
041	Coal mining (12)
042	Oil and gas extraction (13)
050	Nonmetallic mining and quarrying, except fuels (14)

060 **CONSTRUCTION (15, 16, 17)**

MANUFACTURING

Nondurable Goods

Food and kindred products

100	Meat products (201)
101	Dairy products (202)
102	Canned, frozen, and preserved fruits and vegetables (203)
110	Grain mill products (204)
111	Bakery products (205)
112	Sugar and confectionery products (206)
120	Beverage industries (208)
121	Miscellaneous food preparations and kindred products (207, 209)
122	Not specified food industries
130	Tobacco manufactures (21)

Textile mill products

132	Knitting mills (225)
140	Dyeing and finishing textiles, except wool and knit goods (226)
141	Carpets and rugs (227)

1990
Census
code

Industry category

MANUFACTURING—Con.

Nondurable Goods—Con.

142	Yarn, thread, and fabric mills (221-224, 228)
150	Miscellaneous textile mill products (229)
	Apparel and other finished textile products
151	Apparel and accessories, except knit (231-238)
152	Miscellaneous fabricated textile products (239)
	Paper and allied products
160	Pulp, paper, and paperboard mills (261-263)
161	Miscellaneous paper and pulp products (267)
162	Paperboard containers and boxes (265)
	Printing, publishing, and allied industries
171	Newspaper publishing and printing (271)
172	Printing, publishing, and allied industries, except newspapers (272-279)
	Chemicals and allied products
180	Plastics, synthetics, and resins (282)
181	Drugs (283)
182	Soaps and cosmetics (284)
190	Paints, varnishes, and related products (285)
191	Agricultural chemicals (287)
192	Industrial and miscellaneous chemicals (281, 286, 289)
	Petroleum and coal products
200	Petroleum refining (291)
201	Miscellaneous petroleum and coal products (295, 299)
	Rubber and miscellaneous plastics products
210	Tires and inner tubes (301)
211	Other rubber products, and plastics footwear and belting (302-306)
212	Miscellaneous plastics products (308)
	Leather and leather products
220	Leather tanning and finishing (311)
221	Footwear, except rubber and plastic (313, 314)
222	Leather products, except footwear (315-317, 319)
	Durable Goods
	Lumber and wood products, except furniture
230	Logging (241)
231	Sawmills, planing mills, and millwork (242, 243)
232	Wood buildings and mobile homes (245)
241	Miscellaneous wood products (244, 249)
242	Furniture and fixtures (25)
	Stone, clay, glass, and concrete products
250	Glass and glass products (321-323)
251	Cement, concrete, gypsum, and plaster products (324,327)
252	Structural clay products (325)
261	Pottery and related products (326)
262	Miscellaneous nonmetallic mineral and stone products (328, 329)

MANUFACTURING—Con.

Durable Goods—Con.

Metal industries

270	Blast furnaces, steelworks, rolling and finishing mills (331)
271	Iron and steel foundries (332)
272	Primary aluminum industries (3334, part 334, 3353-3355,3363,3365)
280	Other primary metal industries (3331, 3339, part 334, 3351,3356, 3357, 3364, 3366, 3369, 339)
281	Cutlery, handtools, and general hardware (342)
282	Fabricated structural metal products (344)
290	Screw machine products (345)
291	Metal forgings and stampings (346)
292	Ordnance (348)
300	Miscellaneous fabricated metal products (341, 343, 347, 349)
301	Not specified metal industries

Machinery and computing equipment

310	Engines and turbines (351)
311	Farm machinery and equipment (352)
312	Construction and material handling machines (353)
320	Metalworking machinery (354)
321	Office and accounting machines (3578, 3579)
322	Computers and related equipment (3571-3577)
331	Machinery, except electrical, n.e.c. (355, 356, 358, 359)
332	Not specified machinery

Electrical machinery, equipment, and supplies

340	Household appliances (363)
341	Radio, TV, and communication equipment (365, 366)
342	Electrical machinery, equipment, and supplies, n.e.c. (361,362, 364, 367, 369)
350	Not specified electrical machinery, equipment, and supplies

Transportation equipment

351	Motor vehicles and motor vehicle equipment (371)
352	Aircraft and parts (372)
360	Ship and boat building and repairing (373)
361	Railroad locomotives and equipment (374)
362	Guided missiles, space vehicles, and parts (376)
370	Cycles and miscellaneous transportation equipment (375, 379)

Professional and photographic equipment, and watches

371	Scientific and controlling instruments (381, 382 exc. 3827)
372	Medical, dental, and optical instruments and supplies (3827,384, 385)
380	Photographic equipment and supplies (386)
381	Watches, clocks, and clockwork operated devices (387)
390	Toys, amusement, and sporting goods (394)
391	Miscellaneous manufacturing industries (39 exc. 394)
392	Not specified manufacturing industries

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES

Transportation

400	Railroads (40)
401	Bus service and urban transit (41, except 412)
402	Taxicab service (412)
410	Trucking service (421, 423)

1990
Census
code

Industry category

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES—Con.

411	Warehousing and storage (422)
412	U.S. Postal Service (43)
420	Water transportation (44)
421	Air transportation (45)
422	Pipe lines, except natural gas (46)
432	Services incidental to transportation (47)
Communications	
440	Radio and television broadcasting and cable (483, 484)
441	Telephone communications (481)
442	Telegraph and miscellaneous communications services (482, 489)
Utilities and sanitary services	
450	Electric light and power (491)
451	Gas and steam supply systems (492, 496)
452	Electric and gas, and other combinations (493)
470	Water supply and irrigation (494, 497)
471	Sanitary services (495)
472	Not specified utilities

WHOLESALE TRADE

Durable Goods

500	Motor vehicles and equipment (501)
501	Furniture and home furnishings (502)
502	Lumber and construction materials (503)
510	Professional and commercial equipment and supplies (504)
511	Metals and minerals, except petroleum (505)
512	Electrical goods (506)
521	Hardware, plumbing and heating supplies (507)
530	Machinery, equipment, and supplies (508)
531	Scrap and waste materials (5093)
532	Miscellaneous wholesale, durable goods (509 exc. 5093)

Nondurable Goods

540	Paper and paper products (511)
541	Drugs, chemicals and allied products (512, 516)
542	Apparel, fabrics, and notions (513)
550	Groceries and related products (514)
551	Farm-product raw materials (515)
552	Petroleum products (517)
560	Alcoholic beverages (518)
561	Farm supplies (5191)
562	Miscellaneous wholesale, nondurable goods (5192-5199)
571	Not specified wholesale trade

RETAIL TRADE

580	Lumber and building material retailing (521, 523)
581	Hardware stores (525)
582	Retail nurseries and garden stores (526)
590	Mobile home dealers (527)
591	Department stores (531)
592	Variety stores (533)

1990
Census
code

Industry category

RETAIL TRADE—Con.

600 Miscellaneous general merchandise stores (539)
601 Grocery stores (541)
602 Dairy products stores (545)
610 Retail bakeries (546)
611 Food stores, n.e.c. (542, 543, 544, 549)
612 Motor vehicle dealers (551, 552)
620 Auto and home supply stores (553)
621 Gasoline service stations (554)
622 Miscellaneous vehicle dealers (555, 556, 557, 559)
623 Apparel and accessory stores, except shoe (56, except 566)
630 Shoe stores (566)
631 Furniture and home furnishings stores (571)
632 Household appliance stores (572)
633 Radio, TV, and computer stores (5731, 5734)
640 Music stores (5735, 5736)
641 Eating and drinking places (58)
642 Drug stores (591)
650 Liquor stores (592)
651 Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
652 Book and stationery stores (5942, 5943)
660 Jewelry stores (5944)
661 Gift, novelty, and souvenir shops (5947)
662 Sewing, needlework and piece goods stores (5949)
663 Catalog and mail order houses (5961)
670 Vending machine operators (5962)
671 Direct selling establishments (5963)
672 Fuel dealers (598)
681 Retail florists (5992)
682 Miscellaneous retail stores (593, 5948, 5993-5995, 5999)
691 Not specified retail trade

FINANCE, INSURANCE, AND REAL ESTATE

700 Banking (60 exc. 603 and 606)
701 Savings institutions, including credit unions (603, 606)
702 Credit agencies, n.e.c. (61)
710 Security, commodity brokerage, and investment companies (62, 67)
711 Insurance (63, 64)
712 Real estate, including real estate-insurance offices (65)

BUSINESS AND REPAIR SERVICES

721 Advertising (731)
722 Services to dwellings and other buildings (734)
731 Personnel supply services (736)
732 Computer and data processing services (737)
740 Detective and protective services (7381, 7382)
741 Business services, n.e.c. (732, 733, 735, 7383-7389)
742 Automotive rental and leasing, without drivers (751)
750 Automobile parking and carwashes (752, 7542)
751 Automotive repair and related services (753, 7549)
752 Electrical repair shops (762, 7694)
760 Miscellaneous repair services (763, 764, 7692, 7699)

1990
Census
code

Industry category

PERSONAL SERVICES

761 Private households (88)
762 Hotels and motels (701)
770 Lodging places, except hotels and motels (702, 703, 704)
771 Laundry, cleaning, and garment services (721 exc. part 7219)
772 Beauty shops (723)
780 Barber shops (724)
781 Funeral service and crematories (726)
782 Shoe repair shops (725)
790 Dressmaking shops (part 7219)
791 Miscellaneous personal services (722, 729)

ENTERTAINMENT AND RECREATION SERVICES

800 Theaters and motion pictures (781-783, 792)
801 Video tape rental (784)
802 Bowling centers (793)
810 Miscellaneous entertainment and recreation services (791, 794, 799)

PROFESSIONAL AND RELATED SERVICES

812 Offices and clinics of physicians (801, 803)
820 Offices and clinics of dentists (802)
821 Offices and clinics of chiropractors (8041)
822 Offices and clinics of optometrists (8042)
830 Offices and clinics of health practitioners, n.e.c. (8043, 8049)
831 Hospitals (806)
832 Nursing and personal care facilities (805)
840 Health services, n.e.c. (807, 808, 809)
841 Legal services (81)
842 Elementary and secondary schools (821)
850 Colleges and universities (822)
851 Vocational schools (824)
852 Libraries (823)
860 Educational services, n.e.c. (829)
861 Job training and vocational rehabilitation services (833)
862 Child day care services (part 835)
863 Family child care homes (part 835)
870 Residential care facilities, without nursing (836)
871 Social services, n.e.c. (832, 839)
872 Museums, art galleries, and zoos (84)
873 Labor unions (863)
880 Religious organizations (866)
881 Membership organizations, n.e.c. (861, 862, 864, 865, 869)
882 Engineering, architectural, and surveying services (871)
890 Accounting, auditing, and bookkeeping services (872)
891 Research, development, and testing services (873)
892 Management and public relations services (874)
893 Miscellaneous professional and related services (899)

PUBLIC ADMINISTRATION

900 Executive and legislative offices (911-913)
901 General government, n.e.c. (919)
910 Justice, public order, and safety (92)
921 Public finance, taxation, and monetary policy (93)

1990
Census
code

Industry category

PUBLIC ADMINISTRATION—Con.

922 Administration of human resources programs (94)
930 Administration of environmental quality and housing programs (95)
931 Administration of economic programs (96)
932 National security and international affairs (97)

ACTIVE DUTY MILITARY

Armed Forces

940 Army
941 Air Force
942 Navy
950 Marines
951 Coast Guard
952 Armed Forces, Branch not specified
960 Military Reserves or National Guard

EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY INDUSTRY

992 Last worked 1984 or earlier

OCCUPATION

The list presents the occupational classification developed for the 1990 Census of Population and Housing. There are 501 categories for the employed with 1 additional category for the experienced unemployed and 3 additional categories for the Armed Forces. These categories are grouped into 6 summary groups and 13 major groups. The classification is developed from the 1980 Standard Occupational Classification. "n.e.c." is the abbreviation for not elsewhere classified.

In the Table (Matrix) Outlines and the Table (Matrix) Section, many occupation codes are presented as ranges; for example, legislators (001-003). In this appendix, the Occupation Code List includes single census occupation codes and comparable Standard Occupational Classification (SOC) code equivalents. Single census occupation codes in this appendix are equivalent to corresponding census code ranges in the Table (Matrix) Outlines and Table (Matrix) Section.

1990
Census
code

Occupation category

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS

Executive, Administrative, and Managerial Occupations

003	Legislators (111)
004	Chief executives and general administrators, public administration (112)
005	Administrators and officials, public administration (1132-1139)
006	Administrators, protective services (1131)
007	Financial managers (122)
008	Personnel and labor relations managers (123)
009	Purchasing managers (124)
013	Managers, marketing, advertising, and public relations (125)
014	Administrators, education and related fields (128)
015	Managers, medicine and health (131)
016	Postmasters and mail superintendents (1344)
017	Managers, food serving and lodging establishments (1351)
018	Managers, properties and real estate (1353)
019	Funeral directors (pt 1359)
021	Managers, service organizations, n.e.c. (127, 1352, 1354, pt 1359)
022	Managers and administrators, n.e.c. (121, 126, 132-1343, 136-139)

Management Related Occupations

023	Accountants and auditors (1412)
024	Underwriters (1414)
025	Other financial officers (1415, 1419)
026	Management analysts (142)
027	Personnel, training, and labor relations specialists (143)
028	Purchasing agents and buyers, farm products (1443)
029	Buyers, wholesale and retail trade except farm products (1442)
033	Purchasing agents and buyers, n.e.c. (1449)
034	Business and promotion agents (145)
035	Construction inspectors (1472)
036	Inspectors and compliance officers, except construction (1473)
037	Management related occupations, n.e.c. (149)

Professional Specialty Occupations

Engineers, Architects, and Surveyors

043	Architects (161)
	Engineers
044	Aerospace (1622)
045	Metallurgical and materials (1623)
046	Mining (1624)

1990
Census
code

Occupation category

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS—Con.

Professional Specialty Occupations—Con.

047 Petroleum (1625)
048 Chemical (1626)
049 Nuclear (1627)
053 Civil (1628)
054 Agricultural (1632)
055 Electrical and electronic (1633, 1636)
056 Industrial (1634)
057 Mechanical (1635)
058 Marine and naval architects (1637)
059 Engineers, n.e.c. (1639)
063 Surveyors and mapping scientists (164)

Mathematical and Computer Scientists

064 Computer systems analysts and scientists (171)
065 Operations and systems researchers and analysts (172)
066 Actuaries (1732)
067 Statisticians (1733)
068 Mathematical scientists, n.e.c. (1739)

Natural Scientists

069 Physicists and astronomers (1842, 1843)
073 Chemists, except biochemists (1845)
074 Atmospheric and space scientists (1846)
075 Geologists and geodesists (1847)
076 Physical scientists, n.e.c. (1849)
077 Agricultural and food scientists (1853)
078 Biological and life scientists (1854)
079 Forestry and conservation scientists (1852)
083 Medical scientists (1855)

Health Diagnosing Occupations

084 Physicians (261)
085 Dentists (262)
086 Veterinarians (27)
087 Optometrists (281)
088 Podiatrists (283)
089 Health diagnosing practitioners, n.e.c. (289)

Health Assessment and Treating Occupations

095 Registered nurses (29)
096 Pharmacists (301)
097 Dietitians (302)

Therapists

098 Respiratory therapists (3031)
099 Occupational therapists (3032)
103 Physical therapists (3033)
104 Speech therapists (3034)
105 Therapists, n.e.c. (3039)
106 Physicians' assistants (304)

Occupation category

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS—Con.
Professional Specialty Occupations—Con.

Teachers, Postsecondary

113	Earth, environmental, and marine science teachers (2212)
114	Biological science teachers (2213)
115	Chemistry teachers (2214)
116	Physics teachers (2215)
117	Natural science teachers, n.e.c. (2216)
118	Psychology teachers (2217)
119	Economics teachers (2218)
123	History teachers (2222)
124	Political science teachers (2223)
125	Sociology teachers (2224)
126	Social science teachers, n.e.c. (2225)
127	Engineering teachers (2226)
128	Mathematical science teachers (2227)
129	Computer science teachers (2228)
133	Medical science teachers (2231)
134	Health specialties teachers (2232)
135	Business, commerce, and marketing teachers (2233)
136	Agriculture and forestry teachers (2234)
137	Art, drama, and music teachers (2235)
138	Physical education teachers (2236)
139	Education teachers (2237)
143	English teachers (2238)
144	Foreign language teachers (2242)
145	Law teachers (2243)
146	Social work teachers (2244)
147	Theology teachers (2245)
148	Trade and industrial teachers (2246)
149	Home economics teachers (2247)
153	Teachers, postsecondary, n.e.c. (2249)
154	Postsecondary teachers, subject not specified

Teachers, Except Postsecondary

155	Teachers, prekindergarten and kindergarten (231)
156	Teachers, elementary school (232)
157	Teachers, secondary school (233)
158	Teachers, special education (235)
159	Teachers, n.e.c. (236, 239)
163	Counselors, educational and vocational (24)

Librarians, Archivists, and Curators

164	Librarians (251)
165	Archivists and curators (252)

Social Scientists and Urban Planners

166	Economists (1912)
167	Psychologists (1915)
168	Sociologists (1916)
169	Social scientists, n.e.c. (1913, 1914, 1919)
173	Urban planners (192)

1990
Census
code

Occupation category

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS—Con.

Professional Specialty Occupations—Con.

Social, Recreation, and Religious Workers

174 Social workers (2032)
175 Recreation workers (2033)
176 Clergy (2042)
177 Religious workers, n.e.c. (2049)

Lawyers and Judges

178 Lawyers (211)
179 Judges (212)

Writers, Artists, Entertainers, and Athletes

183 Authors (321)
184 Technical writers (398)
185 Designers (322)
186 Musicians and composers (323)
187 Actors and directors (324)
188 Painters, sculptors, craft-artists, and artist printmakers (325)
189 Photographers (326)
193 Dancers (327)
194 Artists, performers, and related workers, n.e.c. (328, 329)
195 Editors and reporters (331)
197 Public relations specialists (332)
198 Announcers (333)
199 Athletes (34)

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS

Technicians and Related Support Occupations

Health Technologists and Technicians

203 Clinical laboratory technologists and technicians (362)
204 Dental hygienists (363)
205 Health record technologists and technicians (364)
206 Radiologic technicians (365)
207 Licensed practical nurses (366)
208 Health technologists and technicians, n.e.c. (369)

Technologists and Technicians, Except Health

Engineering and Related Technologists and Technicians

213 Electrical and electronic technicians (3711)
214 Industrial engineering technicians (3712)
215 Mechanical engineering technicians (3713)
216 Engineering technicians, n.e.c. (3719)
217 Drafting occupations (372)
218 Surveying and mapping technicians (373)

Science Technicians

223 Biological technicians (382)
224 Chemical technicians (3831)
225 Science technicians, n.e.c. (3832, 3833, 384, 389)

Technicians; Except Health, Engineering, and Science

226 Airplane pilots and navigators (825)
227 Air traffic controllers (392)

1990
Census
code

Occupation category

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS—Con.

Technicians and Related Support Occupations—Con.

228 Broadcast equipment operators (393)
229 Computer programmers (3971, 3972)
233 Tool programmers, numerical control (3974)
234 Legal assistants (396)
235 Technicians, n.e.c. (399)

Sales Occupations

243 Supervisors and proprietors, sales occupations (40)

Sales Representatives, Finance and Business Services

253 Insurance sales occupations (4122)
254 Real estate sales occupations (4123)
255 Securities and financial services sales occupations (4124)
256 Advertising and related sales occupations (4153)
257 Sales occupations, other business services (4152)

Sales Representatives, Commodities Except Retail

258 Sales engineers (421)
259 Sales representatives, mining, manufacturing, and wholesale (423, 424)

Sales Workers, Retail and Personal Services

263 Sales workers, motor vehicles and boats (4342, 4344)
264 Sales workers, apparel (4346)
265 Sales workers, shoes (4351)
266 Sales workers, furniture and home furnishings (4348)
267 Sales workers; radio, TV, hi-fi, and appliances (4343, 4352)
268 Sales workers, hardware and building supplies (4353)
269 Sales workers, parts (4367)
274 Sales workers, other commodities (4345, 4347, 4354, 4356, 4359, 4362, 4369)
275 Sales counter clerks (4363)
276 Cashiers (4364)
277 Street and door-to-door sales workers (4366)
278 News vendors (4365)

Sales Related Occupations

283 Demonstrators, promoters and models, sales (445)
284 Auctioneers (447)
285 Sales support occupations, n.e.c. (444, 446, 449)

Administrative Support Occupations, Including Clerical

Supervisors, Administrative Support Occupations

303 Supervisors, general office (4511, 4513, 4514, 4516, 4519, 4529)
304 Supervisors, computer equipment operators (4512)
305 Supervisors, financial records processing (4521)
306 Chief communications operators (4523)
307 Supervisors; distribution, scheduling, and adjusting clerks (4522, 4524-4528)

Computer Equipment Operators

308 Computer operators (4612)
309 Peripheral equipment operators (4613)

1990
Census
code

Occupation category

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS—Con.

Administrative Support Occupations, Including Clerical—Con.

Secretaries, Stenographers, and Typists

313 Secretaries (4622)
314 Stenographers (4623)
315 Typists (4624)

Information Clerks

316 Interviewers (4642)
317 Hotel clerks (4643)
318 Transportation ticket and reservation agents (4644)
319 Receptionists (4645)
323 Information clerks, n.e.c. (4649)

Records Processing Occupations, Except Financial

325 Classified-ad clerks (4662)
326 Correspondence clerks (4663)
327 Order clerks (4664)
328 Personnel clerks, except payroll and timekeeping (4692)
329 Library clerks (4694)
335 File clerks (4696)
336 Records clerks (4699)

Financial Records Processing Occupations

337 Bookkeepers, accounting, and auditing clerks (4712)
338 Payroll and timekeeping clerks (4713)
339 Billing clerks (4715)
343 Cost and rate clerks (4716)
344 Billing, posting, and calculating machine operators (4718)

Duplicating, Mail and Other Office Machine Operators

345 Duplicating machine operators (4722)
346 Mail preparing and paper handling machine operators (4723)
347 Office machine operators, n.e.c. (4729)

Communications Equipment Operators

348 Telephone operators (4732)
353 Communications equipment operators, n.e.c. (4733, 4739)

Mail and Message Distributing Occupations

354 Postal clerks, exc. mail carriers (4742)
355 Mail carriers, postal service (4743)
356 Mail clerks, exc. postal service (4744)
357 Messengers (4745)

Material Recording, Scheduling, and Distributing Clerks

359 Dispatchers (4751)
363 Production coordinators (4752)
364 Traffic, shipping, and receiving clerks (4753)
365 Stock and inventory clerks (4754)
366 Meter readers (4755)
368 Weighers, measurers, checkers and samplers (4756, 4757)
373 Expeditors (4758)
374 Material recording, scheduling, and distributing clerks, n.e.c. (4759)

1990
Census
code

Occupation category

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS—Con.

Administrative Support Occupations, Including Clerical—Con.

Adjusters and Investigators

375 Insurance adjusters, examiners, and investigators (4782)
376 Investigators and adjusters, except insurance (4783)
377 Eligibility clerks, social welfare (4784)
378 Bill and account collectors (4786)

Miscellaneous Administrative Support Occupations

379 General office clerks (463)
383 Bank tellers (4791)
384 Proofreaders (4792)
385 Data-entry keyers (4793)
386 Statistical clerks (4794)
387 Teachers' aides (4795)
389 Administrative support occupations, n.e.c. (4787, 4799)

SERVICE OCCUPATIONS

Private Household Occupations

403 Launderers and ironers (503)
404 Cooks, private household (504)
405 Housekeepers and butlers (505)
406 Child care workers, private household (506)
407 Private household cleaners and servants (502, 507, 509)

Protective Service Occupations

Supervisors, Protective Service Occupations

413 Supervisors, firefighting and fire prevention occupations (5111)
414 Supervisors, police and detectives (5112)
415 Supervisors, guards (5113)

Firefighting and Fire Prevention Occupations

416 Fire inspection and fire prevention occupations (5122)
417 Firefighting occupations (5123)

Police and Detectives

418 Police and detectives, public service (5132)
423 Sheriffs, bailiffs, and other law enforcement officers (5134)
424 Correctional institution officers (5133)

Guards

425 Crossing guards (5142)
426 Guards and police, exc. public service (5144)
427 Protective service occupations, n.e.c. (5149)

Service Occupations, Except Protective and Household

Food Preparation and Service Occupations

433 Supervisors, food preparation and service occupations (5211)
434 Bartenders (5212)
435 Waiters and waitresses (5213)
436 Cooks (5214, 5215)
438 Food counter, fountain and related occupations (5216)
439 Kitchen workers, food preparation (5217)

1990
Census
code

Occupation category

SERVICE OCCUPATIONS—Con.

Service Occupations, Except Protective and Household—Con.

443	Walters' /waitresses' assistants (5218)
444	Miscellaneous food preparation occupations (5219)
Health Service Occupations	
445	Dental assistants (5232)
446	Health aides, except nursing (5233)
447	Nursing aides, orderlies, and attendants (5236)
Cleaning and Building Service Occupations, except Household	
448	Supervisors, cleaning and building service workers (5241)
449	Maids and housemen (5242, 5249)
453	Janitors and cleaners (5244)
454	Elevator operators (5245)
455	Pest control occupations (5246)
Personal Service Occupations	
456	Supervisors, personal service occupations (5251)
457	Barbers (5252)
458	Hairdressers and cosmetologists (5253)
459	Attendants, amusement and recreation facilities (5254)
461	Guides (5255)
462	Ushers (5256)
463	Public transportation attendants (5257)
464	Baggage porters and bellhops (5262)
465	Welfare service aides (5263)
466	Family child care providers (pt 5264)
467	Early childhood teacher's assistants (pt 5264)
468	Child care workers, n.e.c. (pt 5264)
469	Personal service occupations, n.e.c. (5258, 5269)

FARMING, FORESTRY, AND FISHING OCCUPATIONS

Farm Operators and Managers

473	Farmers, except horticultural (5512-5514)
474	Horticultural specialty farmers (5515)
475	Managers, farms, except horticultural (5522-5524)
476	Managers, horticultural specialty farms (5525)

Other Agricultural and Related Occupations

Farm Occupations, Except Managerial

477	Supervisors, farm workers (5611)
479	Farm workers (5612-5617)
483	Marine life cultivation workers (5618)
484	Nursery workers (5619)

Related Agricultural Occupations

485	Supervisors, related agricultural occupations (5621)
486	Groundskeepers and gardeners, except farm (5622)
487	Animal caretakers, except farm (5624)
488	Graders and sorters, agricultural products (5625)
489	Inspectors, agricultural products (5627)

1990
Census
code

Occupation category

FARMING, FORESTRY, AND FISHING OCCUPATIONS—Con.

Forestry and Logging Occupations

- 494 Supervisors, forestry, and logging workers (571)
- 495 Forestry workers, except logging (572)
- 496 Timber cutting and logging occupations (573, 579)

Fishers, Hunters, and Trappers

- 497 Captains and other officers, fishing vessels (pt 8241)
- 498 Fishers (583)
- 499 Hunters and trappers (584)

PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS

Mechanics and Repairers

- 503 Supervisors, mechanics and repairers (60)

Mechanics and Repairers, Except Supervisors

Vehicle and Mobile Equipment Mechanics and Repairers

- 505 Automobile mechanics (pt 6111)
- 506 Automobile mechanic apprentices (pt 6111)
- 507 Bus, truck, and stationary engine mechanics (6112)
- 508 Aircraft engine mechanics (6113)
- 509 Small engine repairers (6114)
- 514 Automobile body and related repairers (6115)
- 515 Aircraft mechanics, exc. engine (6116)
- 516 Heavy equipment mechanics (6117)
- 517 Farm equipment mechanics (6118)
- 518 Industrial machinery repairers (613)
- 519 Machinery maintenance occupations (614)

Electrical and Electronic Equipment Repairers

- 523 Electronic repairers, communications and industrial equipment (6151, 6153, 6155)
- 525 Data processing equipment repairers (6154)
- 526 Household appliance and power tool repairers (6156)
- 527 Telephone line installers and repairers (6157)
- 529 Telephone installers and repairers (6158)
- 533 Miscellaneous electrical and electronic equipment repairers (6152, 6159)
- 534 Heating, air conditioning, and refrigeration mechanics (616)

Miscellaneous Mechanics and Repairers

- 535 Camera, watch, and musical instrument repairers (6171,6172)
- 536 Locksmiths and safe repairers (6173)
- 538 Office machine repairers (6174)
- 539 Mechanical controls and valve repairers (6175)
- 543 Elevator installers and repairers (6176)
- 544 Millwrights (6178)
- 547 Specified mechanics and repairers, n.e.c. (6177, 6179)
- 549 Not specified mechanics and repairers

Construction Trades

Supervisors, Construction Occupations

- 553 Supervisors; brickmasons, stonemasons, and tile setters (6312)
- 554 Supervisors, carpenters and related workers (6313)
- 555 Supervisors, electricians and power transmission installers (6314)
- 556 Supervisors; painters, paperhangers, and plasterers (6315)

1990
Census
code

Occupation category

**PRECISION PRODUCTION, CRAFT, AND
REPAIR OCCUPATIONS—Con.**

557	Supervisors; plumbers, pipefitters, and steamfitters (6316)
558	Supervisors, construction n.e.c. (6311, 6318)
Construction Trades, Except Supervisors	
563	Brickmasons and stonemasons (pt 6412, pt 6413)
564	Brickmason and stonemason apprentices (pt 6412, pt 6413)
565	Tile setters, hard and soft (pt 6414, pt 6462)
566	Carpet installers (pt 6462)
567	Carpenters (pt 6422)
569	Carpenter apprentices (pt 6422)
573	Drywall installers (6424)
575	Electricians (pt 6432)
576	Electrician apprentices (pt 6432)
577	Electrical power installers and repairers (6433)
579	Painters, construction and maintenance (6442)
583	Paperhangers (6443)
584	Plasterers (6444)
585	Plumbers, pipefitters, and steamfitters (pt 645)
587	Plumber, pipefitter, and steamfitter apprentices (pt 645)
588	Concrete and terrazzo finishers (6463)
589	Glaziers (6464)
593	Insulation workers (6465)
594	Paving, surfacing, and tamping equipment operators (6466)
595	Roofers (6468)
596	Sheetmetal duct installers (6472)
597	Structural metal workers (6473)
598	Drillers, earth (6474)
599	Construction trades, n.e.c. (6467, 6475, 6476, 6479)
Extractive Occupations	
613	Supervisors, extractive occupations (632)
614	Drillers, oil well (652)
615	Explosives workers (653)
616	Mining machine operators (654)
617	Mining occupations, n.e.c. (656)
Precision Production Occupations	
628	Supervisors, production occupations (67, 71)
Precision Metal Working Occupations	
634	Tool and die makers (pt 6811)
635	Tool and die maker apprentices (pt 6811)
636	Precision assemblers, metal (6812)
637	Machinists (pt 6813)
639	Machinist apprentices (pt 6813)
643	Boilermakers (6814)
644	Precision grinders, filers, and tool sharpeners (6816)
645	Patternmakers and model makers, metal (6817)
646	Lay-out workers (6821)
647	Precious stones and metals workers (Jewelers) (6822, 6866)
649	Engravers, metal (6823)
653	Sheet metal workers (pt 6824)
654	Sheet metal worker apprentices (pt 6824)

1990
Census
code

Occupation category

**PRECISION PRODUCTION, CRAFT, AND
REPAIR OCCUPATIONS—Con.**

655	Miscellaneous precision metal workers (6829)
	Precision Woodworking Occupations
656	Patternmakers and model makers, wood (6831)
657	Cabinet makers and bench carpenters (6832)
658	Furniture and wood finishers (6835)
659	Miscellaneous precision woodworkers (6839)
	Precision Textile, Apparel, and Furnishings Machine Workers
666	Dressmakers (pt 6852, pt 7752)
667	Tailors (pt 6852)
668	Upholsterers (6853)
669	Shoe repairers (6854)
674	Miscellaneous precision apparel and fabric workers (6856, 6859, pt 7752)
	Precision Workers, Assorted Materials
675	Hand molders and shapers, except jewelers (6861)
676	Patternmakers, lay-out workers, and cutters (6862)
677	Optical goods workers (6864, pt 7477, pt 7677)
678	Dental laboratory and medical appliance technicians (6865)
679	Bookbinders (6844)
683	Electrical and electronic equipment assemblers (6867)
684	Miscellaneous precision workers, n.e.c. (6869)
	Precision Food Production Occupations
686	Butchers and meat cutters (6871)
687	Bakers (6872)
688	Food batchmakers (6873, 6879)
	Precision Inspectors, Testers, and Related Workers
689	Inspectors, testers, and graders (6881, 828)
693	Adjusters and calibrators (6882)
	Plant and System Operators
694	Water and sewage treatment plant operators (691)
695	Power plant operators (pt 693)
696	Stationary engineers (pt 693, 7668)
699	Miscellaneous plant and system operators (692, 694, 695, 696)

OPERATORS, FABRICATORS, AND LABORERS

Machine Operators, Assemblers, and Inspectors

Machine Operators and Tenders, Except Precision

	Metalworking and Plastic Working Machine Operators
703	Lathe and turning machine set-up operators (7312)
704	Lathe and turning machine operators (7512)
705	Milling and planing machine operators (7313, 7513)
706	Punching and stamping press machine operators (7314, 7317, 7514, 7517)
707	Rolling machine operators (7316, 7516)
708	Drilling and boring machine operators (7318, 7518)
709	Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
713	Forging machine operators (7319, 7519)

1990
Census
code

Occupation category

OPERATORS, FABRICATORS, AND LABORERS—Con.

Machine Operators, Assemblers, and Inspectors—Con.

714	Numerical control machine operators (7326)
715	Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
717	Fabricating machine operators, n.e.c. (7339, 7539)
	Metal and Plastic Processing Machine Operators
719	Molding and casting machine operators (7315, 7342, 7515, 7542)
723	Metal plating machine operators (7343, 7543)
724	Heat treating equipment operators (7344, 7544)
725	Miscellaneous metal and plastic processing machine operators (7349, 7549)
	Woodworking Machine Operators
726	Wood lathe, routing, and planing machine operators (7431, 7432, 7631, 7632)
727	Sawing machine operators (7433, 7633)
728	Shaping and joining machine operators (7435, 7635)
729	Nailing and tacking machine operators (7636)
733	Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)
	Printing Machine Operators
734	Printing press operators (7443, 7643)
735	Photoengravers and lithographers (6842, 7444, 7644)
736	Typesetters and compositors (6841, 7642)
737	Miscellaneous printing machine operators (6849, 7449, 7649)
	Textile, Apparel, and Furnishings Machine Operators
738	Winding and twisting machine operators (7451, 7651)
739	Knitting, looping, taping, and weaving machine operators (7452, 7652)
743	Textile cutting machine operators (7654)
744	Textile sewing machine operators (7655)
745	Shoe machine operators (7656)
747	Pressing machine operators (7657)
748	Laundering and dry cleaning machine operators (6855, 7658)
749	Miscellaneous textile machine operators (7459, 7659)
	Machine Operators, Assorted Materials
753	Cementing and gluing machine operators (7661)
754	Packaging and filling machine operators (7462, 7662)
755	Extruding and forming machine operators (7463, 7663)
756	Mixing and blending machine operators (7664)
757	Separating, filtering, and clarifying machine operators (7476, 7666, 7676)
758	Compressing and compacting machine operators (7467, 7667)
759	Painting and paint spraying machine operators (7669)
763	Roasting and baking machine operators, food (7472, 7672)
764	Washing, cleaning, and pickling machine operators (7673)
765	Folding machine operators (7474, 7674)
766	Furnace, kiln, and oven operators, exc. food (7675)
768	Crushing and grinding machine operators (pt 7477, pt 7677)
769	Slicing and cutting machine operators (7478, 7678)
773	Motion picture projectionists (pt 7479)
774	Photographic process machine operators (6863, 6868, 7671)
777	Miscellaneous machine operators, n.e.c. (pt 7479, 7665, 7679)
779	Machine operators, not specified

1990
Census
code

Occupation category

OPERATORS, FABRICATORS, AND LABORERS—Con.

Machine Operators, Assemblers, and Inspectors—Con.

Fabricators, Assemblers, and Hand Working Occupations

783 Welders and cutters (7332, 7532, 7714)
784 Solderers and brazers (7333, 7533, 7717)
785 Assemblers (772, 774)
786 Hand cutting and trimming occupations (7753)
787 Hand molding, casting, and forming occupations (7754, 7755)
789 Hand painting, coating, and decorating occupations (7756)
793 Hand engraving and printing occupations (7757)
795 Miscellaneous hand working occupations (7758, 7759)

Production Inspectors, Testers, Samplers, and Weighers

796 Production inspectors, checkers, and examiners (782, 787)
797 Production testers (783)
798 Production samplers and weighers (784)
799 Graders and sorters, exc. agricultural (785)

Transportation and Material Moving Occupations

Motor Vehicle Operators

803 Supervisors, motor vehicle operators (8111)
804 Truck drivers (8212-8214)
806 Driver-sales workers (8218)
808 Bus drivers (8215)
809 Taxicab drivers and chauffeurs (8216)
813 Parking lot attendants (874)
814 Motor transportation occupations, n.e.c. (8219)

Transportation Occupations, Except Motor Vehicles

Rail Transportation Occupations

823 Railroad conductors and yardmasters (8113)
824 Locomotive operating occupations (8232)
825 Railroad brake, signal, and switch operators (8233)
826 Rail vehicle operators, n.e.c. (8239)

Water Transportation Occupations

828 Ship captains and mates, except fishing boats (pt 8241, 8242)
829 Sailors and deckhands (8243)
833 Marine engineers (8244)
834 Bridge, lock, and lighthouse tenders (8245)

Material Moving Equipment Operators

843 Supervisors, material moving equipment operators (812)
844 Operating engineers (8312)
845 Longshore equipment operators (8313)
848 Hoist and winch operators (8314)
849 Crane and tower operators (8315)
853 Excavating and loading machine operators (8316)
855 Grader, dozer, and scraper operators (8317)
856 Industrial truck and tractor equipment operators (8318)
859 Miscellaneous material moving equipment operators (8319)

1990
Census
code

Occupation category

**OPERATORS, FABRICATORS, AND LABORERS—Con.
Handlers, Equipment Cleaners, Helpers, and Laborers**

864 Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (85)
865 Helpers, mechanics and repairers (863)

866 Helpers, Construction and Extractive Occupations
867 Helpers, construction trades (8641-8645, 8648)
868 Helpers, surveyor (8646)
869 Helpers, extractive occupations (865)
874 Construction laborers (871)
Production helpers (861, 862)

875 Freight, Stock, and Material Handlers
876 Garbage collectors (8722)
877 Stevedores (8723)
878 Stock handlers and baggers (8724)
883 Machine feeders and offbearers (8725)
885 Freight, stock, and material handlers, n.e.c. (8726)
887 Garage and service station related occupations (873)
888 Vehicle washers and equipment cleaners (875)
889 Hand packers and packagers (8761)
Laborers, except construction (8769)

MILITARY OCCUPATIONS

903 Commissioned Officers and Warrant Officers
904 Non-commissioned Officers and Other Enlisted Personnel
905 Military occupation, rank not specified

EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION

909 Last worked 1984 or earlier



APPENDIX H.

1980-1990 Occupation Comparability List

OCCUPATION — SPLIT CATEGORIES

1980 Code and Category	1990 Code and Category
019 Managers and administrators, n.e.c.	017 Managers, food serving and lodging establishments
	021 Managers, service organizations, n.e.c.
	022 Managers and administrators, n.e.c.
<hr/>	
468 Child care workers, except private household	466 Family child care providers
	467 Early childhood teacher's assistants
	468 Child care workers, n.e.c.

OCCUPATION — MERGED CATEGORIES

349 Telegraphers	353 Communications equipment operators, n.e.c.
353 Communications equipment operators, n.e.c.	
<hr/>	
368 Weighers, measurers, and checkers	368 Weighers, measurers, checkers and samplers
369 Samplers	
<hr/>	
436 Cooks, except short order	436 Cooks
437 Short-order cooks	
<hr/>	
673 Apparel and fabric patternmakers	674 Miscellaneous precision apparel and fabric workers
674 Miscellaneous precision apparel fabric workers	
<hr/>	
794 Hand grinding and polishing occupations	795 Miscellaneous hand working occupations
795 Miscellaneous hand working occupations	
<hr/>	
804 Truck drivers, heavy	804 Truck drivers
805 Truck drivers, light	

OCCUPATION — TITLE CHANGED, SAME CODE

098 Inhalation therapists	098 Respiratory therapists
558 Supervisors, n.e.c.	558 Supervisors, construction, n.e.c.
734 Printing machine operators	734 Printing press operators

OCCUPATION — CODES CHANGED, TITLE SAME

017 Postmasters and mail superintendents	016 Postmasters and mail superintendents
016 Managers, properties and real estate	018 Managers, properties and real estate
018 Funeral directors	019 Funeral directors
463 Guides	461 Guides
464 Ushers	462 Ushers
465 Public transportation attendants	463 Public transportation attendants

OCCUPATION – CODES CHANGED, TITLE SAME—Con.

1980 Code and Category

466 Baggage porters and bellhops
467 Welfare service aides
633 Supervisors, production occupations
863 Supervisors, handlers, equipment cleaners,
and laborers, n.e.c.
864 Helpers, mechanics and repairers
865 Helpers, construction trades
866 Helpers, surveyor
867 Helpers, extractive occupations
873 Production helpers

1990 Code and Category

464 Baggage porters and bellhops
465 Welfare service aides
628 Supervisors, production occupations
864 Supervisors, handlers, equipment cleaners,
and laborers, n.e.c.
865 Helpers, mechanics, and repairers
866 Helpers, construction trades
867 Helpers, surveyor
868 Helpers, extractive occupations
874 Production helpers

APPENDIX I. Geographic Codes

CONTENTS

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Minor Civil Division Codes (50,000 or More Persons)	I-16
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Metropolitan Area Codes	I-28

FIPS State and County Codes

<u>ST</u> <u>COU</u> <u>AREA NAME</u>	<u>ST</u> <u>COU</u> <u>AREA NAME</u>	<u>ST</u> <u>COU</u> <u>AREA NAME</u>
Alabama	01 113 Russell County	04 021 Pinal County
01 001 Autauga County	01 115 St. Clair County	04 023 Santa Cruz County
01 003 Baldwin County	01 117 Shelby County	04 025 Yavapai County
01 005 Barbour County	01 119 Sumter County	04 027 Yuma County
01 007 Bibb County	01 121 Talladega County	04 999 Statewide
01 009 Blount County	01 123 Tallapoosa County	
01 011 Bullock County	01 125 Tuscaloosa County	Arkansas
01 013 Butler County	01 127 Walker County	05 001 Arkansas County
01 015 Calhoun County	01 129 Washington County	05 003 Ashley County
01 017 Chambers County	01 131 Wilcox County	05 005 Baxter County
01 019 Cherokee County	01 133 Winston County	05 007 Benton County
01 021 Chilton County	01 999 Statewide	05 009 Boone County
01 023 Choctaw County		05 011 Bradley County
01 025 Clarke County	Alaska	05 013 Calhoun County
01 027 Clay County	02 010 Aleutian Islands Census Area	05 015 Carroll County
01 029 Cleburne County	02 020 Anchorage Borough	05 017 Chicot County
01 031 Coffee County	02 050 Bethel Census Area	05 019 Clark County
01 033 Colbert County	02 060 Bristol Bay Borough	05 021 Clay County
01 035 Conecuh County	02 070 Dillingham Census Area	05 023 Cleburne County
01 037 Coosa County	02 090 Fairbanks-North Star Borough	05 025 Cleveland County
01 039 Covington County	02 100 Haines Borough	05 027 Columbia County
01 041 Crenshaw County	02 110 Juneau Borough	05 029 Conway County
01 043 Cullman County	02 122 Kenai Peninsula Borough	05 031 Craighead County
01 045 Dale County	02 130 Ketchikan-Gateway Borough	05 033 Crawford County
01 047 Dallas County	02 150 Kodiak Island Borough	05 035 Crittenden County
01 049 De Kalb County	02 170 Matanuska-Susitna Borough	05 037 Cross County
01 051 Elmore County	02 180 Nome Census Area	05 039 Dallas County
01 053 Escambia County	02 185 North Slope Borough	05 041 Desha County
01 055 Etowah County	02 188 Northwest Artic Borough	05 043 Drew County
01 057 Fayette County	02 201 Prince of Wales-Outer Ketchikan	05 045 Faulkner County
01 059 Franklin County	02 220 Sitka Borough	05 047 Franklin County
01 061 Geneva County	02 231 Skagway-Yakutat-Angoon Census Area	05 049 Fulton County
01 063 Greene County	02 240 Southeast Fairbanks Census Area	05 051 Garland County
01 065 Hale County	02 261 Valdez-Cordova Census Area	05 053 Grant County
01 067 Henry County	02 270 Wade Hampton Census Area	05 055 Greene County
01 069 Houston County	02 280 Wrangell-Petersburg Census Area	05 057 Hempstead County
01 071 Jackson County	02 290 Yukon-Koyukuk Census Area	05 059 Hot Spring County
01 073 Jefferson County	02 999 Statewide	05 061 Howard County
01 075 Lamar County		05 063 Independence County
01 077 Lauderdale County	Arizona	05 065 IZard County
01 079 Lawrence County	04 001 Apache County	05 067 Jackson County
01 081 Lee County	04 003 Cochise County	05 069 Jefferson County
01 083 Limestone County	04 005 Coconino County	05 071 Johnson County
01 085 Lowndes County	04 007 Gila County	05 073 Lafayette County
01 087 Macon County	04 009 Graham County	05 075 Lawrence County
01 089 Madison County	04 011 Greenlee County	05 077 Lee County
01 091 Marengo County	04 012 La Paz County	05 079 Lincoln County
01 093 Marion County	04 013 Maricopa County	05 081 Little River County
01 095 Marshall County	04 015 Mohave County	05 083 Logan County
01 097 Mobile County	04 017 Navajo County	05 085 Lonoke County
01 099 Monroe County	04 019 Pima County	05 087 Madison County
01 101 Montgomery County		05 089 Marion County
01 103 Morgan County		05 091 Miller County
01 105 Perry County		05 093 Mississippi County
01 107 Pickens County		05 095 Monroe County
01 109 Pike County		05 097 Montgomery County
01 111 Randolph County		05 099 Nevada County
		05 101 Newton County

ST COU AREA NAME

05 103 Ouachita County
 05 105 Perry County
 05 107 Phillips County
 05 109 Pike County
 05 111 Poinsett County
 05 113 Polk County
 05 115 Pope County
 05 117 Prairie County
 05 119 Pulaski County
 05 121 Randolph County
 05 123 St. Francis County
 05 125 Saline County
 05 127 Scott County
 05 129 Searcy County
 05 131 Sebastian County
 05 133 Sevier County
 05 135 Sharp County
 05 137 Stone County
 05 139 Union County
 05 141 Van Buren County
 05 143 Washington County
 05 145 White County
 05 147 Woodruff County
 05 149 Yell County
 05 999 Statewide

California

06 001 Alameda County
 06 003 Alpine County
 06 005 Amador County
 06 007 Butte County
 06 009 Calaveras County
 06 011 Colusa County
 06 013 Contra Costa County
 06 015 Del Norte County
 06 017 El Dorado County
 06 019 Fresno County
 06 021 Glenn County
 06 023 Humboldt County
 06 025 Imperial County
 06 027 Inyo County
 06 029 Kern County
 06 031 Kings County
 06 033 Lake County
 06 035 Lassen County
 06 037 Los Angeles County
 06 039 Madera County
 06 041 Marin County
 06 043 Mariposa County
 06 045 Mendocino County
 06 047 Merced County
 06 049 Modoc County
 06 051 Mono County
 06 053 Monterey County
 06 055 Napa County
 06 057 Nevada County
 06 059 Orange County
 06 061 Placer County
 06 063 Plumas County
 06 065 Riverside County
 06 067 Sacramento County
 06 069 San Benito County
 06 071 San Bernardino County
 06 073 San Diego County
 06 075 San Francisco County
 06 077 San Joaquin County
 06 079 San Luis Obispo County
 06 081 San Mateo County
 06 083 Santa Barbara County
 06 085 Santa Clara County
 06 087 Santa Cruz County
 06 089 Shasta County
 06 091 Sierra County
 06 093 Siskiyou County
 06 095 Solano County
 06 097 Sonoma County
 06 099 Stanislaus County

ST COU AREA NAME

06 101 Sutter County
 06 103 Tehama County
 06 105 Trinity County
 06 107 Tulare County
 06 109 Tuolumne County
 06 111 Ventura County
 06 113 Yolo County
 06 115 Yuba County
 06 999 Statewide

Colorado

08 001 Adams County
 08 003 Alamosa County
 08 005 Arapahoe County
 08 007 Archuleta County
 08 009 Baca County
 08 011 Bent County
 08 013 Boulder County
 08 015 Chaffee County
 08 017 Cheyenne County
 08 019 Clear Creek County
 08 021 Conejos County
 08 023 Costilla County
 08 025 Crowley County
 08 027 Custer County
 08 029 Delta County
 08 031 Denver County
 08 033 Dolores County
 08 035 Douglas County
 08 037 Eagle County
 08 039 Elbert County
 08 041 El Paso County
 08 043 Fremont County
 08 045 Garfield County
 08 047 Gilpin County
 08 049 Grand County
 08 051 Gunnison County
 08 053 Hinsdale County
 08 055 Huerfano County
 08 057 Jackson County
 08 059 Jefferson County
 08 061 Kiowa County
 08 063 Kit Carson County
 08 065 Lake County
 08 067 La Plata County
 08 069 Larimer County
 08 071 Las Animas County
 08 073 Lincoln County
 08 075 Logan County
 08 077 Mesa County
 08 079 Mineral County
 08 081 Moffat County
 08 083 Montezuma County
 08 085 Montrose County
 08 087 Morgan County
 08 089 Otero County
 08 091 Ouray County
 08 093 Park County
 08 095 Phillips County
 08 097 Pitkin County
 08 099 Prowers County
 08 101 Pueblo County
 08 103 Rio Blanco County
 08 105 Rio Grande County
 08 107 Routt County
 08 109 Saguache County
 08 111 San Juan County
 08 113 San Miguel County
 08 115 Sedgwick County
 08 117 Summit County
 08 119 Teller County
 08 121 Washington County
 08 123 Weld County
 08 125 Yuma County
 08 999 Statewide

ST COU AREA NAME

Connecticut

09 001 Fairfield County
 09 003 Hartford County
 09 005 Litchfield County
 09 007 Middlesex County
 09 009 New Haven County
 09 011 New London County
 09 013 Tolland County
 09 015 Windham County
 09 999 Statewide

Delaware

10 001 Kent County
 10 003 New Castle County
 10 005 Sussex County
 10 999 Statewide

District of Columbia

11 999 Statewide

Florida

12 001 Alachua County
 12 003 Baker County
 12 005 Bay County
 12 007 Bradford County
 12 009 Brevard County
 12 011 Broward County
 12 013 Calhoun County
 12 015 Charlotte County
 12 017 Citrus County
 12 019 Clay County
 12 021 Collier County
 12 023 Columbia County
 12 025 Dade County
 12 027 De Soto County
 12 029 Dixie County
 12 031 Duval County
 12 033 Escambia County
 12 035 Flagler County
 12 037 Franklin County
 12 039 Gadsden County
 12 041 Gilchrist County
 12 043 Glades County
 12 045 Gulf County
 12 047 Hamilton County
 12 049 Hardee County
 12 051 Hendry County
 12 053 Hernando County
 12 055 Highlands County
 12 057 Hillsborough County
 12 059 Holmes County
 12 061 Indian River County
 12 063 Jackson County
 12 065 Jefferson County
 12 067 Lafayette County
 12 069 Lake County
 12 071 Lee County
 12 073 Leon County
 12 075 Levy County
 12 077 Liberty County
 12 079 Madison County
 12 081 Manatee County
 12 083 Marion County
 12 085 Martin County
 12 087 Monroe County
 12 089 Nassau County
 12 091 Okaloosa County
 12 093 Okeechobee County
 12 095 Orange County
 12 097 Osceola County
 12 099 Palm Beach County
 12 101 Pasco County
 12 103 Pinellas County
 12 105 Polk County
 12 107 Putnam County
 12 109 St. John County
 12 111 St. Lucie County

ST COU AREA NAME

12 113 Santa Rosa County
 12 115 Sarasota County
 12 117 Seminole County
 12 119 Sumter County
 12 121 Suwannee County
 12 123 Taylor County
 12 125 Union County
 12 127 Volusia County
 12 129 Wakulla County
 12 131 Walton County
 12 133 Washington County
 12 999 Statewide

Georgia

13 001 Appling County
 13 003 Atkinson County
 13 005 Bacon County
 13 007 Baker County
 13 009 Baldwin County
 13 011 Banks County
 13 013 Barrow County
 13 015 Bartow County
 13 017 Ben Hill County
 13 019 Berrien County
 13 021 Bibb County
 13 023 Bleckley County
 13 025 Brantley County
 13 027 Brooks County
 13 029 Bryan County
 13 031 Bulloch County
 13 033 Burke County
 13 035 Butts County
 13 037 Calhoun County
 13 039 Camden County
 13 043 Candler County
 13 045 Carroll County
 13 047 Catoosa County
 13 049 Charlton County
 13 051 Chatham County
 13 053 Chattahoochee County
 13 055 Chattooga County
 13 057 Cherokee County
 13 059 Clarke County
 13 061 Clay County
 13 063 Clayton County
 13 065 Clinch County
 13 067 Cobb County
 13 069 Coffee County
 13 071 Colquitt County
 13 073 Columbia County
 13 075 Cook County
 13 077 Coweta County
 13 079 Crawford County
 13 081 Crisp County
 13 083 Dade County
 13 085 Dawson County
 13 087 Decatur County
 13 089 De Kalb County
 13 091 Dodge County
 13 093 Dooly County
 13 095 Dougherty County
 13 097 Douglas County
 13 099 Early County
 13 101 Echols County
 13 103 Effingham County
 13 105 Elbert County
 13 107 Emanuel County
 13 109 Evans County
 13 111 Fannin County
 13 113 Fayette County
 13 115 Floyd County
 13 117 Forsyth County
 13 119 Franklin County
 13 121 Fulton County
 13 123 Gilmer County
 13 125 Glascock County
 13 127 Glynn County

ST COU AREA NAME

13 129 Gordon County
 13 131 Grady County
 13 133 Greene County
 13 135 Gwinnett County
 13 137 Habersham County
 13 139 Hall County
 13 141 Hancock County
 13 143 Haralson County
 13 145 Harris County
 13 147 Hart County
 13 149 Heard County
 13 151 Henry County
 13 153 Houston County
 13 155 Irwin County
 13 157 Jackson County
 13 159 Jasper County
 13 161 Jeff Davis County
 13 163 Jefferson County
 13 165 Jenkins County
 13 167 Johnson County
 13 169 Jones County
 13 171 Lamar County
 13 173 Lanier County
 13 175 Laurens County
 13 177 Lee County
 13 179 Liberty County
 13 181 Lincoln County
 13 183 Long County
 13 185 Lowndes County
 13 187 Lumpkin County
 13 189 McDuffie County
 13 191 McIntosh County
 13 193 Macon County
 13 195 Madison County
 13 197 Marion County
 13 199 Meriwether County
 13 201 Miller County
 13 205 Mitchell County
 13 207 Monroe County
 13 209 Montgomery County
 13 211 Morgan County
 13 213 Murray County
 13 215 Muscogee County
 13 217 Newton County
 13 219 Oconee County
 13 221 Oglethorpe County
 13 223 Paulding County
 13 225 Peach County
 13 227 Pickens County
 13 229 Pierce County
 13 231 Pike County
 13 233 Polk County
 13 235 Pulaski County
 13 237 Putnam County
 13 239 Quitman County
 13 241 Rabun County
 13 243 Randolph County
 13 245 Richmond County
 13 247 Rockdale County
 13 249 Schley County
 13 251 Screven County
 13 253 Seminole County
 13 255 Spalding County
 13 257 Stephens County
 13 259 Stewart County
 13 261 Sumter County
 13 263 Talbot County
 13 265 Taliaferro County
 13 267 Tattnall County
 13 269 Taylor County
 13 271 Telfair County
 13 273 Terrell County
 13 275 Thomas County
 13 277 Tift County
 13 279 Toombs County
 13 281 Towns County
 13 283 Treutlen County

ST COU AREA NAME

13 285 Troup County
 13 287 Turner County
 13 289 Twiggs County
 13 291 Union County
 13 293 Upson County
 13 295 Walker County
 13 297 Walton County
 13 299 Ware County
 13 301 Warren County
 13 303 Washington County
 13 305 Wayne County
 13 307 Webster County
 13 309 Wheeler County
 13 311 White County
 13 313 Whitfield County
 13 315 Wilcox County
 13 317 Wilkes County
 13 319 Wilkinson County
 13 321 Worth County
 13 999 Statewide

Hawaii

15 001 Hawaii County
 15 003 Honolulu County
 15 007 Kauai County
 15 009 Maui County
 15 999 Statewide

Idaho

16 001 Ada County
 16 003 Adams County
 16 005 Bannock County
 16 007 Bear Lake County
 16 009 Benewah County
 16 011 Bingham County
 16 013 Blaine County
 16 015 Boise County
 16 017 Bonner County
 16 019 Bonneville County
 16 021 Boundary County
 16 023 Butte County
 16 025 Camas County
 16 027 Canyon County
 16 029 Caribou County
 16 031 Cassia County
 16 033 Clark County
 16 035 Clearwater County
 16 037 Custer County
 16 039 Elmore County
 16 041 Franklin County
 16 043 Fremont County
 16 045 Gem County
 16 047 Gooding County
 16 049 Idaho County
 16 051 Jefferson County
 16 053 Jerome County
 16 055 Kootenai County
 16 057 Latah County
 16 059 Lemhi County
 16 061 Lewis County
 16 063 Lincoln County
 16 065 Madison County
 16 067 Minidoka County
 16 069 Nez Perce County
 16 071 Oneida County
 16 073 Owyhee County
 16 075 Payette County
 16 077 Power County
 16 079 Shoshone County
 16 081 Teton County
 16 083 Twin Falls County
 16 085 Valley County
 16 087 Washington County
 16 999 Statewide

ST COU AREA NAME

Illinois

17 001 Adams County
 17 003 Alexander County
 17 005 Bond County
 17 007 Boone County
 17 009 Brown County
 17 011 Bureau County
 17 013 Calhoun County
 17 015 Carroll County
 17 017 Cass County
 17 019 Champaign County
 17 021 Christian County
 17 023 Clark County
 17 025 Clay County
 17 027 Clinton County
 17 029 Coles County
 17 031 Cook County
 17 033 Crawford County
 17 035 Cumberland County
 17 037 De Kalb County
 17 039 De Witt County
 17 041 Douglas County
 17 043 Du Page County
 17 045 Edgar County
 17 047 Edwards County
 17 049 Effingham County
 17 051 Fayette County
 17 053 Ford County
 17 055 Franklin County
 17 057 Fulton County
 17 059 Gallatin County
 17 061 Greene County
 17 063 Grundy County
 17 065 Hamilton County
 17 067 Hancock County
 17 069 Hardin County
 17 071 Henderson County
 17 073 Henry County
 17 075 Iroquois County
 17 077 Jackson County
 17 079 Jasper County
 17 081 Jefferson County
 17 083 Jersey County
 17 085 Jo Daviess County
 17 087 Johnson County
 17 089 Kane County
 17 091 Kankakee County
 17 093 Kendall County
 17 095 Knox County
 17 097 Lake County
 17 099 La Salle County
 17 101 Lawrence County
 17 103 Lee County
 17 105 Livingston County
 17 107 Logan County
 17 109 McDonough County
 17 111 McHenry County
 17 113 Mclean County
 17 115 Macon County
 17 117 Macoupin County
 17 119 Madison County
 17 121 Marion County
 17 123 Marshall County
 17 125 Mason County
 17 127 Massac County
 17 129 Menard County
 17 131 Mercer County
 17 133 Monroe County
 17 135 Montgomery County
 17 137 Morgan County
 17 139 Moultrie County
 17 141 Ogle County
 17 143 Peoria County
 17 145 Perry County
 17 147 Piatt County
 17 149 Pike County
 17 151 Pope County

ST COU AREA NAME

Indiana

17 153 Pulaski County
 17 155 Putnam County
 17 157 Randolph County
 17 159 Richland County
 17 161 Rock Island County
 17 163 St. Clair County
 17 165 Saline County
 17 167 Sangamon County
 17 169 Schuyler County
 17 171 Scott County
 17 173 Shelby County
 17 175 Stark County
 17 177 Stephenson County
 17 179 Tazewell County
 17 181 Union County
 17 183 Vermilion County
 17 185 Wabash County
 17 187 Warren County
 17 189 Washington County
 17 191 Wayne County
 17 193 White County
 17 195 Whiteside County
 17 197 Will County
 17 199 Williamson County
 17 201 Winnebago County
 17 203 Woodford County
 17 999 Statewide

18 001 Adams County
 18 003 Allen County
 18 005 Bartholomew County
 18 007 Benton County
 18 009 Blackford County
 18 011 Boone County
 18 013 Brown County
 18 015 Carroll County
 18 017 Cass County
 18 019 Clark County
 18 021 Clay County
 18 023 Clinton County
 18 025 Crawford County
 18 027 Daviess County
 18 029 Dearborn County
 18 031 Decatur County
 18 033 De Kalb County
 18 035 Delaware County
 18 037 Dubois County
 18 039 Elkhart County
 18 041 Fayette County
 18 043 Floyd County
 18 045 Fountain County
 18 047 Franklin County
 18 049 Fulton County
 18 051 Gibson County
 18 053 Grant County
 18 055 Greene County
 18 057 Hamilton County
 18 059 Hancock County
 18 061 Harrison County
 18 063 Hendricks County
 18 065 Henry County
 18 067 Howard County
 18 069 Huntington County
 18 071 Jackson County
 18 073 Jasper County
 18 075 Jay County
 18 077 Jefferson County
 18 079 Jennings County
 18 081 Johnson County
 18 083 Knox County
 18 085 Kosciusko County
 18 087 Lagrange County
 18 089 Lake County
 18 091 La Porte County
 18 093 Lawrence County
 18 095 Madison County

ST COU AREA NAME

Iowa

18 097 Marion County
 18 099 Marshall County
 18 101 Martin County
 18 103 Miami County
 18 105 Monroe County
 18 107 Montgomery County
 18 109 Morgan County
 18 111 Newton County
 18 113 Noble County
 18 115 Ohio County
 18 117 Orange County
 18 119 Owen County
 18 121 Parke County
 18 123 Perry County
 18 125 Pike County
 18 127 Porter County
 18 129 Posey County
 18 131 Pulaski County
 18 133 Putnam County
 18 135 Randolph County
 18 137 Ripley County
 18 139 Rush County
 18 141 St. Joseph County
 18 143 Scott County
 18 145 Shelby County
 18 147 Spencer County
 18 149 Starke County
 18 151 Steuben County
 18 153 Sullivan County
 18 155 Switzerland County
 18 157 Tippecanoe County
 18 159 Tipton County
 18 161 Union County
 18 163 Vanderburgh County
 18 165 Vermillion County
 18 167 Vigo County
 18 169 Wabash County
 18 171 Warren County
 18 173 Warrick County
 18 175 Washington County
 18 177 Wayne County
 18 179 Wells County
 18 181 White County
 18 183 Whitley County
 18 999 Statewide

19 001 Adair County
 19 003 Adams County
 19 005 Allamakee County
 19 007 Appanoose County
 19 009 Audubon County
 19 011 Benton County
 19 013 Black Hawk County
 19 015 Boone County
 19 017 Bremer County
 19 019 Buchanan County
 19 021 Buena Vista County
 19 023 Butler County
 19 025 Calhoun County
 19 027 Carroll County
 19 029 Cass County
 19 031 Cedar County
 19 033 Cerro Gordo County
 19 035 Cherokee County
 19 037 Chickasaw County
 19 039 Clarke County
 19 041 Clay County
 19 043 Clayton County
 19 045 Clinton County
 19 047 Crawford County
 19 049 Dallas County
 19 051 Davis County
 19 053 Decatur County
 19 055 Delaware County
 19 057 Des Moines County
 19 059 Dickinson County

ST COU AREA NAME

19 061 Dubuque County
 19 063 Emmet County
 19 065 Fayette County
 19 067 Floyd County
 19 069 Franklin County
 19 071 Fremont County
 19 073 Greene County
 19 075 Grundy County
 19 077 Guthrie County
 19 079 Hamilton County
 19 081 Hancock County
 19 083 Hardin County
 19 085 Harrison County
 19 087 Henry County
 19 089 Howard County
 19 091 Humboldt County
 19 093 Ida County
 19 095 Iowa County
 19 097 Jackson County
 19 099 Jasper County
 19 101 Jefferson County
 19 103 Johnson County
 19 105 Jones County
 19 107 Keokuk County
 19 109 Kossuth County
 19 111 Lee County
 19 113 Linn County
 19 115 Louisa County
 19 117 Lucas County
 19 119 Lyon County
 19 121 Madison County
 19 123 Mahaska County
 19 125 Marion County
 19 127 Marshall County
 19 129 Mills County
 19 131 Mitchell County
 19 133 Monona County
 19 135 Monroe County
 19 137 Montgomery County
 19 139 Muscatine County
 19 141 O'Brien County
 19 143 Osceola County
 19 145 Page County
 19 147 Palo Alto County
 19 149 Plymouth County
 19 151 Pocahontas County
 19 153 Polk County
 19 155 Pottawattamie County
 19 157 Poweshiek County
 19 159 Ringgold County
 19 161 Sac County
 19 163 Scott County
 19 165 Shelby County
 19 167 Sioux County
 19 169 Story County
 19 171 Tama County
 19 173 Taylor County
 19 175 Union County
 19 177 Van Buren County
 19 179 Wapello County
 19 181 Warren County
 19 183 Washington County
 19 185 Wayne County
 19 187 Webster County
 19 189 Winnebago County
 19 191 Winneshiek County
 19 193 Woodbury County
 19 195 Worth County
 19 197 Wright County
 19 999 Statewide

Kansas

20 001 Allen County
 20 003 Anderson County
 20 005 Atchison County
 20 007 Barber County
 20 009 Barton County

ST COU AREA NAME

20 011 Bourbon County
 20 013 Brown County
 20 015 Butler County
 20 017 Chase County
 20 019 Chautauqua County
 20 021 Cherokee County
 20 023 Cheyenne County
 20 025 Clark County
 20 027 Clay County
 20 029 Cloud County
 20 031 Coffey County
 20 033 Comanche County
 20 035 Cowley County
 20 037 Crawford County
 20 039 Decatur County
 20 041 Dickinson County
 20 043 Doniphan County
 20 045 Douglas County
 20 047 Edwards County
 20 049 Elk County
 20 051 Ellis County
 20 053 Ellsworth County
 20 055 Finney County
 20 057 Ford County
 20 059 Franklin County
 20 061 Geary County
 20 063 Gove County
 20 065 Graham County
 20 067 Grant County
 20 069 Gray County
 20 071 Greeley County
 20 073 Greenwood County
 20 075 Hamilton County
 20 077 Harper County
 20 079 Harvey County
 20 081 Haskell County
 20 083 Hodgeman County
 20 085 Jackson County
 20 087 Jefferson County
 20 089 Jewell County
 20 091 Johnson County
 20 093 Kearny County
 20 095 Kingman County
 20 097 Kiowa County
 20 099 Labette County
 20 101 Lane County
 20 103 Leavenworth County
 20 105 Lincoln County
 20 107 Linn County
 20 109 Logan County
 20 111 Lyon County
 20 113 McPherson County
 20 115 Marion County
 20 117 Marshall County
 20 119 Meade County
 20 121 Miami County
 20 123 Mitchell County
 20 125 Montgomery County
 20 127 Morris County
 20 129 Morton County
 20 131 Nemaha County
 20 133 Neosho County
 20 135 Ness County
 20 137 Norton County
 20 139 Osage County
 20 141 Osborne County
 20 143 Ottawa County
 20 145 Pawnee County
 20 147 Phillips County
 20 149 Pottawatomie County
 20 151 Pratt County
 20 153 Rawlins County
 20 155 Reno County
 20 157 Republic County
 20 159 Rice County
 20 161 Riley County
 20 163 Rooks County

ST COU AREA NAME

20 165 Rush County
 20 167 Russell County
 20 169 Saline County
 20 171 Scott County
 20 173 Sedgwick County
 20 175 Seward County
 20 177 Shawnee County
 20 179 Sheridan County
 20 181 Sherman County
 20 183 Smith County
 20 185 Stafford County
 20 187 Stanton County
 20 189 Stevens County
 20 191 Sumner County
 20 193 Thomas County
 20 195 Trego County
 20 197 Wabaunsee County
 20 199 Wallace County
 20 201 Washington County
 20 203 Wichita County
 20 205 Wilson County
 20 207 Woodson County
 20 209 Wyandotte County
 20 999 Statewide

Kentucky

21 001 Adair County
 21 003 Allen County
 21 005 Anderson County
 21 007 Ballard County
 21 009 Barren County
 21 011 Bath County
 21 013 Bell County
 21 015 Boone County
 21 017 Bourbon County
 21 019 Boyd County
 21 021 Boyle County
 21 023 Bracken County
 21 025 Breathitt County
 21 027 Breckinridge County
 21 029 Bullitt County
 21 031 Butler County
 21 033 Caldwell County
 21 035 Calloway County
 21 037 Campbell County
 21 039 Carlisle County
 21 041 Carroll County
 21 043 Carter County
 21 045 Casey County
 21 047 Christian County
 21 049 Clark County
 21 051 Clay County
 21 053 Clinton County
 21 055 Crittenden County
 21 057 Cumberland County
 21 059 Daviess County
 21 061 Edmonson County
 21 063 Elliott County
 21 065 Estill County
 21 067 Fayette County
 21 069 Fleming County
 21 071 Floyd County
 21 073 Franklin County
 21 075 Fulton County
 21 077 Gallatin County
 21 079 Garrard County
 21 081 Grant County
 21 083 Graves County
 21 085 Grayson County
 21 087 Green County
 21 089 Greenup County
 21 091 Hancock County
 21 093 Hardin County
 21 095 Harlan County
 21 097 Harrison County
 21 099 Hart County
 21 101 Henderson County

SI COU AREA NAME

21 103 Henry County
 21 105 Hickman County
 21 107 Hopkins County
 21 109 Jackson County
 21 111 Jefferson County
 21 113 Jessamine County
 21 115 Johnson County
 21 117 Kenton County
 21 119 Knott County
 21 121 Knox County
 21 123 Larue County
 21 125 Laurel County
 21 127 Lawrence County
 21 129 Lee County
 21 131 Leslie County
 21 133 Letcher County
 21 135 Lewis County
 21 137 Lincoln County
 21 139 Livingston County
 21 141 Logan County
 21 143 Lyon County
 21 145 Mccracken County
 21 147 McCreary County
 21 149 McLean County
 21 151 Madison County
 21 153 Magoffin County
 21 155 Marion County
 21 157 Marshall County
 21 159 Martin County
 21 161 Mason County
 21 163 Meade County
 21 165 Menifee County
 21 167 Mercer County
 21 169 Metcalfe County
 21 171 Monroe County
 21 173 Montgomery County
 21 175 Morgan County
 21 177 Muhlenberg County
 21 179 Nelson County
 21 181 Nicholas County
 21 183 Ohio County
 21 185 Oldham County
 21 187 Owen County
 21 189 Owsley County
 21 191 Pendleton County
 21 193 Perry County
 21 195 Pike County
 21 197 Powell County
 21 199 Pulaski County
 21 201 Robertson County
 21 203 Rockcastle County
 21 205 Rowan County
 21 207 Russell County
 21 209 Scott County
 21 211 Shelby County
 21 213 Simpson County
 21 215 Spencer County
 21 217 Taylor County
 21 219 Todd County
 21 221 Trigg County
 21 223 Trimble County
 21 225 Union County
 21 227 Warren County
 21 229 Washington County
 21 231 Wayne County
 21 233 Webster County
 21 235 Whitley County
 21 237 Wolfe County
 21 239 Woodford County
 21 999 Statewide

Louisiana

22 001 Acadia Parish
 22 003 Allen Parish
 22 005 Ascension Parish
 22 007 Assumption Parish
 22 009 Avoyelles Parish

SI COU AREA NAME

22 011 Beauregard Parish
 22 013 Bienville Parish
 22 015 Bossier Parish
 22 017 Caddo Parish
 22 019 Calcasieu Parish
 22 021 Caldwell Parish
 22 023 Cameron Parish
 22 025 Catahoula Parish
 22 027 Claiborne Parish
 22 029 Concordia Parish
 22 031 De Soto Parish
 22 033 East Baton Rouge Parish
 22 035 East Carroll Parish
 22 037 East Feliciana Parish
 22 039 Evangeline Parish
 22 041 Franklin Parish
 22 043 Grant Parish
 22 045 Iberia Parish
 22 047 Iberville Parish
 22 049 Jackson Parish
 22 051 Jefferson Parish
 22 053 Jefferson Davis Parish
 22 055 Lafayette Parish
 22 057 Lafourche Parish
 22 059 La Salle Parish
 22 061 Lincoln Parish
 22 063 Livingston Parish
 22 065 Madison Parish
 22 067 Morehouse Parish
 22 069 Natchitoches Parish
 22 071 Orleans Parish
 22 073 Ouachita Parish
 22 075 Plaquemines Parish
 22 077 Pointe Coupee Parish
 22 079 Rapides Parish
 22 081 Red River Parish
 22 083 Richland Parish
 22 085 Sabine Parish
 22 087 St. Bernard Parish
 22 089 St. Charles Parish
 22 091 St. Helena Parish
 22 093 St. James Parish
 22 095 St. John the Baptist Parish
 22 097 St. Landry Parish
 22 099 St. Martin Parish
 22 101 St. Mary Parish
 22 103 St. Tammany Parish
 22 105 Tangipahoa Parish
 22 107 Tensas Parish
 22 109 Terrebonne Parish
 22 111 Union Parish
 22 113 Vermilion Parish
 22 115 Vernon Parish
 22 117 Washington Parish
 22 119 Webster Parish
 22 121 West Baton Rouge Parish
 22 123 West Carroll Parish
 22 125 West Feliciana Parish
 22 127 Winn Parish
 22 999 Statewide

Maine

23 001 Androscoggin County
 23 003 Aroostook County
 23 005 Cumberland County
 23 007 Franklin County
 23 009 Hancock County
 23 011 Kennebec County
 23 013 Knox County
 23 015 Lincoln County
 23 017 Oxford County
 23 019 Penobscot County
 23 021 Piscataquis County
 23 023 Sagadahoc County
 23 025 Somerset County
 23 027 Waldo County
 23 029 Washington County

SI COU AREA NAME

23 031 York County
 23 999 Statewide

Maryland

24 001 Allegany County
 24 003 Anne Arundel County
 24 005 Baltimore County
 24 009 Calvert County
 24 011 Caroline County
 24 013 Carroll County
 24 015 Cecil County
 24 017 Charles County
 24 019 Dorchester County
 24 021 Frederick County
 24 023 Garrett County
 24 025 Harford County
 24 027 Howard County
 24 029 Kent County
 24 031 Montgomery County
 24 033 Prince George's County
 24 035 Queen Anne's County
 24 037 St. Mary's County
 24 039 Somerset County
 24 041 Talbot County
 24 043 Washington County
 24 045 Wicomico County
 24 047 Worcester County
 24 510 Baltimore City
 24 999 Statewide

Massachusetts

25 001 Barnstable County
 25 003 Berkshire County
 25 005 Bristol County
 25 007 Dukes County
 25 009 Essex County
 25 011 Franklin County
 25 013 Hampden County
 25 015 Hampshire County
 25 017 Middlesex County
 25 019 Nantucket County
 25 021 Norfolk County
 25 023 Plymouth County
 25 025 Suffolk County
 25 027 Worcester County
 25 999 Statewide

Michigan

26 001 Alcona County
 26 003 Alger County
 26 005 Allegan County
 26 007 Alpena County
 26 009 Antrim County
 26 011 Arenac County
 26 013 Baraga County
 26 015 Barry County
 26 017 Bay County
 26 019 Benzie County
 26 021 Berrien County
 26 023 Branch County
 26 025 Calhoun County
 26 027 Cass County
 26 029 Charlevoix County
 26 031 Cheboygan County
 26 033 Chippewa County
 26 035 Clare County
 26 037 Clinton County
 26 039 Crawford County
 26 041 Delta County
 26 043 Dickinson County
 26 045 Eaton County
 26 047 Emmet County
 26 049 Genesee County
 26 051 Gladwin County
 26 053 Gogebic County
 26 055 Grand Traverse County
 26 057 Gratiot County

ST COU AREA NAME

26 059 Hillsdale County
 26 061 Houghton County
 26 063 Huron County
 26 065 Ingham County
 26 067 Ionia County
 26 069 Iosco County
 26 071 Iron County
 26 073 Isabella County
 26 075 Jackson County
 26 077 Kalamazoo County
 26 079 Kalkaska County
 26 081 Kent County
 26 083 Keweenaw County
 26 085 Lake County
 26 087 Lapeer County
 26 089 Leelanau County
 26 091 Lenawee County
 26 093 Livingston County
 26 095 Luce County
 26 097 Mackinac County
 26 099 Macomb County
 26 101 Manistee County
 26 103 Marquette County
 26 105 Mason County
 26 107 Mecosta County
 26 109 Menominee County
 26 111 Midland County
 26 113 Missaukee County
 26 115 Monroe County
 26 117 Montcalm County
 26 119 Montmorency County
 26 121 Muskegon County
 26 123 Nawaygo County
 26 125 Oakland County
 26 127 Oceana County
 26 129 Ogemaw County
 26 131 Ontonagon County
 26 133 Osceola County
 26 135 Oscoda County
 26 137 Otsego County
 26 139 Ottawa County
 26 141 Presque Isle County
 26 143 Roscommon County
 26 145 Saginaw County
 26 147 St. Clair County
 26 149 St. Joseph County
 26 151 Sanilac County
 26 153 Schoolcraft County
 26 155 Shiawassee County
 26 157 Tuscola County
 26 159 Van Buren County
 26 161 Washtenaw County
 26 163 Wayne County
 26 165 Wexford County
 26 999 Statewide

Minnesota

27 001 Aitkin County
 27 003 Anoka County
 27 005 Becker County
 27 007 Beltrami County
 27 009 Benton County
 27 011 Big Stone County
 27 013 Blue Earth County
 27 015 Brown County
 27 017 Carlton County
 27 019 Carver County
 27 021 Cass County
 27 023 Chippewa County
 27 025 Chisago County
 27 027 Clay County
 27 029 Clearwater County
 27 031 Cook County
 27 033 Cottonwood County
 27 035 Crow Wing County
 27 037 Dakota County
 27 039 Dodge County

ST COU AREA NAME

27 041 Douglas County
 27 043 Faribault County
 27 045 Fillmore County
 27 047 Freeborn County
 27 049 Goodhue County
 27 051 Grant County
 27 053 Hennepin County
 27 055 Houston County
 27 057 Hubbard County
 27 059 Isanti County
 27 061 Itasca County
 27 063 Jackson County
 27 065 Kanabec County
 27 067 Kandiyohi County
 27 069 Kittson County
 27 071 Koochiching County
 27 073 Lac Qui Parle County
 27 075 Lake County
 27 077 Lake of the Woods County
 27 079 Le Sueur County
 27 081 Lincoln County
 27 083 Lyon County
 27 085 McLeod County
 27 087 Mahnomon County
 27 089 Marshall County
 27 091 Martin County
 27 093 Meeker County
 27 095 Mille Lacs County
 27 097 Morrison County
 27 099 Mower County
 27 101 Murray County
 27 103 Nicollet County
 27 105 Nobles County
 27 107 Norman County
 27 109 Olmsted County
 27 111 Otter Tail County
 27 113 Pennington County
 27 115 Pine County
 27 117 Pipestone County
 27 119 Polk County
 27 121 Pope County
 27 123 Ramsey County
 27 125 Red Lake County
 27 127 Redwood County
 27 129 Renville County
 27 131 Rice County
 27 133 Rock County
 27 135 Roseau County
 27 137 St. Louis County
 27 139 Scott County
 27 141 Sherburne County
 27 143 Sibley County
 27 145 Stearns County
 27 147 Steele County
 27 149 Stevens County
 27 151 Swift County
 27 153 Todd County
 27 155 Traverse County
 27 157 Wabasha County
 27 159 Wadena County
 27 161 Waseca County
 27 163 Washington County
 27 165 Watonwan County
 27 167 Wilkin County
 27 169 Winona County
 27 171 Wright County
 27 173 Yellow Medicine County
 27 999 Statewide

Mississippi

28 001 Adams County
 28 003 Alcorn County
 28 005 Amite County
 28 007 Attala County
 28 009 Benton County
 28 011 Bolivar County
 28 013 Calhoun County

ST COU AREA NAME

28 015 Carroll County
 28 017 Chickasaw County
 28 019 Choctaw County
 28 021 Claiborne County
 28 023 Clarke County
 28 025 Clay County
 28 027 Coahoma County
 28 029 Copiah County
 28 031 Covington County
 28 033 De Soto County
 28 035 Forrest County
 28 037 Franklin County
 28 039 George County
 28 041 Greene County
 28 043 Grenada County
 28 045 Hancock County
 28 047 Harrison County
 28 049 Hinds County
 28 051 Holmes County
 28 053 Humphreys County
 28 055 Issaquena County
 28 057 Itawamba County
 28 059 Jackson County
 28 061 Jasper County
 28 063 Jefferson County
 28 065 Jefferson Davis County
 28 067 Jones County
 28 069 Kemper County
 28 071 Lafayette County
 28 073 Lamar County
 28 075 Lauderdale County
 28 077 Lawrence County
 28 079 Leake County
 28 081 Lee County
 28 083 Leflore County
 28 085 Lincoln County
 28 087 Lowndes County
 28 089 Madison County
 28 091 Marion County
 28 093 Marshall County
 28 095 Monroe County
 28 097 Montgomery County
 28 099 Neshoba County
 28 101 Newton County
 28 103 Noxubee County
 28 105 Oktibbeha County
 28 107 Panola County
 28 109 Pearl River County
 28 111 Perry County
 28 113 Pike County
 28 115 Pontotoc County
 28 117 Prentiss County
 28 119 Quitman County
 28 121 Rankin County
 28 123 Scott County
 28 125 Sharkey County
 28 127 Simpson County
 28 129 Smith County
 28 131 Stone County
 28 133 Sunflower County
 28 135 Tallahatchie County
 28 137 Tate County
 28 139 Tippah County
 28 141 Tishomingo County
 28 143 Tunica County
 28 145 Union County
 28 147 Walthall County
 28 149 Warren County
 28 151 Washington County
 28 153 Wayne County
 28 155 Webster County
 28 157 Wilkinson County
 28 159 Winston County
 28 161 Yalobusha County
 28 163 Yazoo County
 28 999 Statewide

ST COU AREA NAME

Missouri

29 001 Adair County
 29 003 Andrew County
 29 005 Atchison County
 29 007 Audrain County
 29 009 Barry County
 29 011 Barton County
 29 013 Bates County
 29 015 Benton County
 29 017 Bollinger County
 29 019 Boone County
 29 021 Buchanan County
 29 023 Butler County
 29 025 Caldwell County
 29 027 Callaway County
 29 029 Camden County
 29 031 Cape Girardeau County
 29 033 Carroll County
 29 035 Carter County
 29 037 Cass County
 29 039 Cedar County
 29 041 Chariton County
 29 043 Christian County
 29 045 Clark County
 29 047 Clay County
 29 049 Clinton County
 29 051 Cole County
 29 053 Cooper County
 29 055 Crawford County
 29 057 Dade County
 29 059 Dallas County
 29 061 Daviess County
 29 063 De Kalb County
 29 065 Dent County
 29 067 Douglas County
 29 069 Dunklin County
 29 071 Franklin County
 29 073 Gasconade County
 29 075 Gentry County
 29 077 Greene County
 29 079 Grundy County
 29 081 Harrison County
 29 083 Henry County
 29 085 Hickory County
 29 087 Holt County
 29 089 Howard County
 29 091 Howell County
 29 093 Iron County
 29 095 Jackson County
 29 097 Jasper County
 29 099 Jefferson County
 29 101 Johnson County
 29 103 Knox County
 29 105 Laclede County
 29 107 Lafayette County
 29 109 Lawrence County
 29 111 Lewis County
 29 113 Lincoln County
 29 115 Linn County
 29 117 Livingston County
 29 119 McDonald County
 29 121 Macon County
 29 123 Madison County
 29 125 Maries County
 29 127 Marion County
 29 129 Mercer County
 29 131 Miller County
 29 133 Mississippi County
 29 135 Moniteau County
 29 137 Monroe County
 29 139 Montgomery County
 29 141 Morgan County
 29 143 New Madrid County
 29 145 Newton County
 29 147 Nodaway County
 29 149 Oregon County
 29 151 Osage County

ST COU AREA NAME

29 153 Ozark County
 29 155 Pemiscot County
 29 157 Perry County
 29 159 Pettis County
 29 161 Phelps County
 29 163 Pike County
 29 165 Platte County
 29 167 Polk County
 29 169 Pulaski County
 29 171 Putnam County
 29 173 Ralls County
 29 175 Randolph County
 29 177 Ray County
 29 179 Reynolds County
 29 181 Ripley County
 29 183 St. Charles County
 29 185 St. Clair County
 29 186 Ste. Genevieve County
 29 187 St. Francois County
 29 189 St. Louis County
 29 195 Saline County
 29 197 Schuyler County
 29 199 Scotland County
 29 201 Scott County
 29 203 Shannon County
 29 205 Shelby County
 29 207 Stoddard County
 29 209 Stone County
 29 211 Sullivan County
 29 213 Taney County
 29 215 Texas County
 29 217 Vernon County
 29 219 Warren County
 29 221 Washington County
 29 223 Wayne County
 29 225 Webster County
 29 227 Worth County
 29 229 Wright County
 29 510 St. Louis City
 29 999 Statewide

Montana

30 001 Beaverhead County
 30 003 Big Horn County
 30 005 Blaine County
 30 007 Broadwater County
 30 009 Carbon County
 30 011 Carter County
 30 013 Cascade County
 30 015 Chouteau County
 30 017 Custer County
 30 019 Daniels County
 30 021 Dawson County
 30 023 Deer Lodge County
 30 025 Fallon County
 30 027 Fergus County
 30 029 Flathead County
 30 031 Gallatin County
 30 033 Garfield County
 30 035 Glacier County
 30 037 Golden Valley County
 30 039 Granite County
 30 041 Hill County
 30 043 Jefferson County
 30 045 Judith Basin County
 30 047 Lake County
 30 049 Lewis and Clark County
 30 051 Liberty County
 30 053 Lincoln County
 30 055 McCone County
 30 057 Madison County
 30 059 Meagher County
 30 061 Mineral County
 30 063 Missoula County
 30 065 Musselshell County
 30 067 Park County
 30 069 Petroleum County

ST COU AREA NAME

30 071 Phillips County
 30 073 Pondera County
 30 075 Powder River County
 30 077 Powell County
 30 079 Prairie County
 30 081 Ravalli County
 30 083 Richland County
 30 085 Roosevelt County
 30 087 Rosebud County
 30 089 Sanders County
 30 091 Sheridan County
 30 093 Silver Bow County
 30 095 Stillwater County
 30 097 Sweet Grass County
 30 099 Teton County
 30 101 Toole County
 30 103 Treasure County
 30 105 Valley County
 30 107 Wheatland County
 30 109 Wibaux County
 30 111 Yellowstone County
 30 113 Yellowstone National Park
 County
 30 999 Statewide

Nebraska

31 001 Adams County
 31 003 Antelope County
 31 005 Arthur County
 31 007 Banner County
 31 009 Blaine County
 31 011 Boone County
 31 013 Box Butte County
 31 015 Boyd County
 31 017 Brown County
 31 019 Buffalo County
 31 021 Burt County
 31 023 Butler County
 31 025 Cass County
 31 027 Cedar County
 31 029 Chase County
 31 031 Cherry County
 31 033 Cheyenne County
 31 035 Clay County
 31 037 Colfax County
 31 039 Cuming County
 31 041 Custer County
 31 043 Dakota County
 31 045 Dawes County
 31 047 Dawson County
 31 049 Deuel County
 31 051 Dixon County
 31 053 Dodge County
 31 055 Douglas County
 31 057 Dundy County
 31 059 Fillmore County
 31 061 Franklin County
 31 063 Frontier County
 31 065 Furnas County
 31 067 Gage County
 31 069 Garden County
 31 071 Garfield County
 31 073 Gosper County
 31 075 Grant County
 31 077 Greeley County
 31 079 Hall County
 31 081 Hamilton County
 31 083 Harlan County
 31 085 Hayes County
 31 087 Hitchcock County
 31 089 Holt County
 31 091 Hooker County
 31 093 Howard County
 31 095 Jefferson County
 31 097 Johnson County
 31 099 Kearney County
 31 101 Keith County

ST COU AREA NAME

31 103 Keya Paha County
 31 105 Kimball County
 31 107 Knox County
 31 109 Lancaster County
 31 111 Lincoln County
 31 113 Logan County
 31 115 Loup County
 31 117 McPherson County
 31 119 Madison County
 31 121 Merrick County
 31 123 Morrill County
 31 125 Nance County
 31 127 Nemaha County
 31 129 Nuckolls County
 31 131 Otoe County
 31 133 Pawnee County
 31 135 Perkins County
 31 137 Phelps County
 31 139 Pierce County
 31 141 Platte County
 31 143 Polk County
 31 145 Red Willow County
 31 147 Richardson County
 31 149 Rock County
 31 151 Saline County
 31 153 Sarpy County
 31 155 Saunders County
 31 157 Scotts Bluff County
 31 159 Seward County
 31 161 Sheridan County
 31 163 Sherman County
 31 165 Sioux County
 31 167 Stanton County
 31 169 Thayer County
 31 171 Thomas County
 31 173 Thurston County
 31 175 Valley County
 31 177 Washington County
 31 179 Wayne County
 31 181 Webster County
 31 183 Wheeler County
 31 185 York County
 31 999 Statewide

Nevada

32 001 Churchill County
 32 003 Clark County
 32 005 Douglas County
 32 007 Elko County
 32 009 Esmeralda County
 32 011 Eureka County
 32 013 Humboldt County
 32 015 Lander County
 32 017 Lincoln County
 32 019 Lyon County
 32 021 Mineral County
 32 023 Nye County
 32 027 Pershing County
 32 029 Storey County
 32 031 Washoe County
 32 033 White Pine County
 32 510 Carson City
 32 999 Statewide

New Hampshire

33 001 Belknap County
 33 003 Carroll County
 33 005 Cheshire County
 33 007 Coos County
 33 009 Grafton County
 33 011 Hillsborough County
 33 013 Merrimack County
 33 015 Rockingham County
 33 017 Strafford County
 33 019 Sullivan County
 33 999 Statewide

ST COU AREA NAME

New Jersey

34 001 Atlantic County
 34 003 Bergen County
 34 005 Burlington County
 34 007 Camden County
 34 009 Cape May County
 34 011 Cumberland County
 34 013 Essex County
 34 015 Gloucester County
 34 017 Hudson County
 34 019 Hunterdon County
 34 021 Mercer County
 34 023 Middlesex County
 34 025 Monmouth County
 34 027 Morris County
 34 029 Ocean County
 34 031 Passaic County
 34 033 Salem County
 34 035 Somerset County
 34 037 Sussex County
 34 039 Union County
 34 041 Warren County
 34 999 Statewide

New Mexico

35 001 Bernalillo County
 35 003 Catron County
 35 005 Chaves County
 35 006 Cibola County
 35 007 Colfax County
 35 009 Curry County
 35 011 De Baca County
 35 013 Dona Ana County
 35 015 Eddy County
 35 017 Grant County
 35 019 Guadalupe County
 35 021 Harding County
 35 023 Hidalgo County
 35 025 Lea County
 35 027 Lincoln County
 35 028 Los Alamos County
 35 029 Luna County
 35 031 McKinley County
 35 033 Mora County
 35 035 Otero County
 35 037 Quay County
 35 039 Rio Arriba County
 35 041 Roosevelt County
 35 043 Sandoval County
 35 045 San Juan County
 35 047 San Miguel County
 35 049 Santa Fe County
 35 051 Sierra County
 35 053 Socorro County
 35 055 Taos County
 35 057 Torrance County
 35 059 Union County
 35 061 Valencia County
 35 999 Statewide

New York

36 001 Albany County
 36 003 Allegany County
 36 005 Bronx County
 36 007 Broome County
 36 009 Cattaraugus County
 36 011 Cayuga County
 36 013 Chautauqua County
 36 015 Chemung County
 36 017 Chenango County
 36 019 Clinton County
 36 021 Columbia County
 36 023 Cortland County
 36 025 Delaware County
 36 027 Dutchess County
 36 029 Erie County
 36 031 Essex County

ST COU AREA NAME

36 033 Franklin County
 36 035 Fulton County
 36 037 Genesee County
 36 039 Greene County
 36 041 Hamilton County
 36 043 Herkimer County
 36 045 Jefferson County
 36 047 Kings County
 36 049 Lewis County
 36 051 Livingston County
 36 053 Madison County
 36 055 Monroe County
 36 057 Montgomery County
 36 059 Nassau County
 36 061 New York County
 36 063 Niagara County
 36 065 Oneida County
 36 067 Onondaga County
 36 069 Ontario County
 36 071 Orange County
 36 073 Orleans County
 36 075 Oswego County
 36 077 Otsego County
 36 079 Putnam County
 36 081 Queens County
 36 083 Rensselaer County
 36 085 Richmond County
 36 087 Rockland County
 36 089 St. Lawrence County
 36 091 Saratoga County
 36 093 Schenectady County
 36 095 Schoharie County
 36 097 Schuyler County
 36 099 Seneca County
 36 101 Steuben County
 36 103 Suffolk County
 36 105 Sullivan County
 36 107 Tioga County
 36 109 Tompkins County
 36 111 Ulster County
 36 113 Warren County
 36 115 Washington County
 36 117 Wayne County
 36 119 Westchester County
 36 121 Wyoming County
 36 123 Yates County
 36 999 Statewide

North Carolina

37 001 Alamance County
 37 003 Alexander County
 37 005 Alleghany County
 37 007 Anson County
 37 009 Ashe County
 37 011 Avery County
 37 013 Beaufort County
 37 015 Bertie County
 37 017 Bladen County
 37 019 Brunswick County
 37 021 Buncombe County
 37 023 Burke County
 37 025 Cabarrus County
 37 027 Caldwell County
 37 029 Camden County
 37 031 Carteret County
 37 033 Caswell County
 37 035 Catawba County
 37 037 Chatham County
 37 039 Cherokee County
 37 041 Chowan County
 37 043 Clay County
 37 045 Cleveland County
 37 047 Columbus County
 37 049 Craven County
 37 051 Cumberland County
 37 053 Currituck County
 37 055 Dare County

ST COU AREA NAME

37 057 Davidson County
 37 059 Davie County
 37 061 Duplin County
 37 063 Durham County
 37 065 Edgecombe County
 37 067 Forsyth County
 37 069 Franklin County
 37 071 Gaston County
 37 073 Gates County
 37 075 Graham County
 37 077 Granville County
 37 079 Greene County
 37 081 Guilford County
 37 083 Halifax County
 37 085 Harnett County
 37 087 Haywood County
 37 089 Henderson County
 37 091 Hertford County
 37 093 Hoke County
 37 095 Hyde County
 37 097 Iredell County
 37 099 Jackson County
 37 101 Johnston County
 37 103 Jones County
 37 105 Lee County
 37 107 Lenoir County
 37 109 Lincoln County
 37 111 McDowell County
 37 113 Macon County
 37 115 Madison County
 37 117 Martin County
 37 119 Mecklenburg County
 37 121 Mitchell County
 37 123 Montgomery County
 37 125 Moore County
 37 127 Nash County
 37 129 New Hanover County
 37 131 Northampton County
 37 133 Onslow County
 37 135 Orange County
 37 137 Pamlico County
 37 139 Pasquotank County
 37 141 Pender County
 37 143 Perquimans County
 37 145 Person County
 37 147 Pitt County
 37 149 Polk County
 37 151 Randolph County
 37 153 Richmond County
 37 155 Robeson County
 37 157 Rockingham County
 37 159 Rowan County
 37 161 Rutherford County
 37 163 Sampson County
 37 165 Scotland County
 37 167 Stanly County
 37 169 Stokes County
 37 171 Surry County
 37 173 Swain County
 37 175 Transylvania County
 37 177 Tyrrell County
 37 179 Union County
 37 181 Vance County
 37 183 Wake County
 37 185 Warren County
 37 187 Washington County
 37 189 Watauga County
 37 191 Wayne County
 37 193 Wilkes County
 37 195 Wilson County
 37 197 Yadkin County
 37 199 Yancey County
 37 999 Statewide

North Dakota

38 001 Adams County
 38 003 Barnes County

ST COU AREA NAME

38 005 Benson County
 38 007 Billings County
 38 009 Bottineau County
 38 011 Bowman County
 38 013 Burke County
 38 015 Burleigh County
 38 017 Cass County
 38 019 Cavalier County
 38 021 Dickey County
 38 023 Divide County
 38 025 Dunn County
 38 027 Eddy County
 38 029 Emmons County
 38 031 Foster County
 38 033 Golden Valley County
 38 035 Grand Forks County
 38 037 Grant County
 38 039 Griggs County
 38 041 Hettinger County
 38 043 Kidder County
 38 045 La Moure County
 38 047 Logan County
 38 049 McHenry County
 38 051 McIntosh County
 38 053 McKenzie County
 38 055 McLean County
 38 057 Mercer County
 38 059 Morton County
 38 061 Mountrail County
 38 063 Nelson County
 38 065 Oliver County
 38 067 Pembina County
 38 069 Pierce County
 38 071 Ramsey County
 38 073 Ransom County
 38 075 Renville County
 38 077 Richland County
 38 079 Rolette County
 38 081 Sargent County
 38 083 Sheridan County
 38 085 Sioux County
 38 087 Slope County
 38 089 Stark County
 38 091 Steele County
 38 093 Stutsman County
 38 095 Towner County
 38 097 Traill County
 38 099 Walsh County
 38 101 Ward County
 38 103 Wells County
 38 105 Williams County
 38 999 Statewide

Ohio

39 001 Adams County
 39 003 Allen County
 39 005 Ashland County
 39 007 Ashtabula County
 39 009 Athens County
 39 011 Auglaize County
 39 013 Belmont County
 39 015 Brown County
 39 017 Butler County
 39 019 Carroll County
 39 021 Champaign County
 39 023 Clark County
 39 025 Clermont County
 39 027 Clinton County
 39 029 Columbiana County
 39 031 Coshocton County
 39 033 Crawford County
 39 035 Cuyahoga County
 39 037 Darke County
 39 039 Defiance County
 39 041 Delaware County
 39 043 Erie County
 39 045 Fairfield County

ST COU AREA NAME

39 047 Fayette County
 39 049 Franklin County
 39 051 Fulton County
 39 053 Gallia County
 39 055 Geauga County
 39 057 Greene County
 39 059 Guernsey County
 39 061 Hamilton County
 39 063 Hancock County
 39 065 Hardin County
 39 067 Harrison County
 39 069 Henry County
 39 071 Highland County
 39 073 Hocking County
 39 075 Holmes County
 39 077 Huron County
 39 079 Jackson County
 39 081 Jefferson County
 39 083 Knox County
 39 085 Lake County
 39 087 Lawrence County
 39 089 Licking County
 39 091 Logan County
 39 093 Lorain County
 39 095 Lucas County
 39 097 Madison County
 39 099 Mahoning County
 39 101 Marion County
 39 103 Medina County
 39 105 Meigs County
 39 107 Mercer County
 39 109 Miami County
 39 111 Monroe County
 39 113 Montgomery County
 39 115 Morgan County
 39 117 Morrow County
 39 119 Muskingum County
 39 121 Noble County
 39 123 Ottawa County
 39 125 Paulding County
 39 127 Perry County
 39 129 Pickaway County
 39 131 Pike County
 39 133 Portage County
 39 135 Preble County
 39 137 Putnam County
 39 139 Richland County
 39 141 Ross County
 39 143 Sandusky County
 39 145 Scioto County
 39 147 Seneca County
 39 149 Shelby County
 39 151 Stark County
 39 153 Summit County
 39 155 Trumbull County
 39 157 Tuscarawas County
 39 159 Union County
 39 161 Van Wert County
 39 163 Vinton County
 39 165 Warren County
 39 167 Washington County
 39 169 Wayne County
 39 171 Williams County
 39 173 Wood County
 39 175 Wyandot County
 39 999 Statewide

Oklahoma

40 001 Adair County
 40 003 Alfalfa County
 40 005 Atoka County
 40 007 Beaver County
 40 009 Beckham County
 40 011 Blaine County
 40 013 Bryan County
 40 015 Caddo County
 40 017 Canadian County

ST COU AREA NAME

40 019 Carter County
 40 021 Cherokee County
 40 023 Choctaw County
 40 025 Cimarron County
 40 027 Cleveland County
 40 029 Coal County
 40 031 Comanche County
 40 033 Cotton County
 40 035 Craig County
 40 037 Creek County
 40 039 Custer County
 40 041 Delaware County
 40 043 Dewey County
 40 045 Ellis County
 40 047 Garfield County
 40 049 Garvin County
 40 051 Grady County
 40 053 Grant County
 40 055 Greer County
 40 057 Harmon County
 40 059 Harper County
 40 061 Haskell County
 40 063 Hughes County
 40 065 Jackson County
 40 067 Jefferson County
 40 069 Johnston County
 40 071 Kay County
 40 073 Kingfisher County
 40 075 Kiowa County
 40 077 Latimer County
 40 079 Le Flore County
 40 081 Lincoln County
 40 083 Logan County
 40 085 Love County
 40 087 McClain County
 40 089 Mccurtain County
 40 091 McIntosh County
 40 093 Major County
 40 095 Marshall County
 40 097 Mayes County
 40 099 Murray County
 40 101 Muskogee County
 40 103 Noble County
 40 105 Nowata County
 40 107 Okfuskee County
 40 109 Oklahoma County
 40 111 Okmulgee County
 40 113 Osage County
 40 115 Ottawa County
 40 117 Pawnee County
 40 119 Payne County
 40 121 Pittsburg County
 40 123 Pontotoc County
 40 125 Pottawatomie County
 40 127 Pushmataha County
 40 129 Roger Mills County
 40 131 Rogers County
 40 133 Seminole County
 40 135 Sequoyah County
 40 137 Stephens County
 40 139 Texas County
 40 141 Tillman County
 40 143 Tulsa County
 40 145 Wagoner County
 40 147 Washington County
 40 149 Washita County
 40 151 Woods County
 40 153 Woodward County
 40 999 Statewide

Oregon

41 001 Baker County
 41 003 Benton County
 41 005 Clackamas County
 41 007 Clatsop County
 41 009 Columbia County
 41 011 Coos County

ST COU AREA NAME

41 013 Crook County
 41 015 Curry County
 41 017 Deschutes County
 41 019 Douglas County
 41 021 Gilliam County
 41 023 Grant County
 41 025 Harney County
 41 027 Hood River County
 41 029 Jackson County
 41 031 Jefferson County
 41 033 Josephine County
 41 035 Klamath County
 41 037 Lake County
 41 039 Lane County
 41 041 Lincoln County
 41 043 Linn County
 41 045 Malheur County
 41 047 Marion County
 41 049 Morrow County
 41 051 Multnomah County
 41 053 Polk County
 41 055 Sherman County
 41 057 Tillamook County
 41 059 Umatilla County
 41 061 Union County
 41 063 Wallowa County
 41 065 Wasco County
 41 067 Washington County
 41 069 Wheeler County
 41 071 Yamhill County
 41 999 Statewide

Pennsylvania

42 001 Adams County
 42 003 Allegheny County
 42 005 Armstrong County
 42 007 Beaver County
 42 009 Bedford County
 42 011 Berks County
 42 013 Blair County
 42 015 Bradford County
 42 017 Bucks County
 42 019 Butler County
 42 021 Cambria County
 42 023 Cameron County
 42 025 Carbon County
 42 027 Centre County
 42 029 Chester County
 42 031 Clarion County
 42 033 Clearfield County
 42 035 Clinton County
 42 037 Columbia County
 42 039 Crawford County
 42 041 Cumberland County
 42 043 Dauphin County
 42 045 Delaware County
 42 047 Elk County
 42 049 Erie County
 42 051 Fayette County
 42 053 Forest County
 42 055 Franklin County
 42 057 Fulton County
 42 059 Greene County
 42 061 Huntingdon County
 42 063 Indiana County
 42 065 Jefferson County
 42 067 Juniata County
 42 069 Lackawanna County
 42 071 Lancaster County
 42 073 Lawrence County
 42 075 Lebanon County
 42 077 Lehigh County
 42 079 Luzerne County
 42 081 Lycoming County
 42 083 Mckean County
 42 085 Mercer County
 42 087 Mifflin County

ST COU AREA NAME

42 089 Monroe County
 42 091 Montgomery County
 42 093 Montour County
 42 095 Northampton County
 42 097 Northumberland County
 42 099 Perry County
 42 101 Philadelphia County
 42 103 Pike County
 42 105 Potter County
 42 107 Schuylkill County
 42 109 Snyder County
 42 111 Somerset County
 42 113 Sullivan County
 42 115 Susquehanna County
 42 117 Tioga County
 42 119 Union County
 42 121 Venango County
 42 123 Warren County
 42 125 Washington County
 42 127 Wayne County
 42 129 Westmoreland County
 42 131 Wyoming County
 42 133 York County
 42 999 Statewide

Rhode Island

44 001 Bristol County
 44 003 Kent County
 44 005 Newport County
 44 007 Providence County
 44 009 Washington County
 44 999 Statewide

South Carolina

45 001 Abbeville County
 45 003 Aiken County
 45 005 Allendale County
 45 007 Anderson County
 45 009 Bamberg County
 45 011 Barnwell County
 45 013 Beaufort County
 45 015 Berkeley County
 45 017 Calhoun County
 45 019 Charleston County
 45 021 Cherokee County
 45 023 Chester County
 45 025 Chesterfield County
 45 027 Clarendon County
 45 029 Colleton County
 45 031 Darlington County
 45 033 Dillon County
 45 035 Dorchester County
 45 037 Edgefield County
 45 039 Fairfield County
 45 041 Florence County
 45 043 Georgetown County
 45 045 Greenville County
 45 047 Greenwood County
 45 049 Hampton County
 45 051 Horry County
 45 053 Jasper County
 45 055 Kershaw County
 45 057 Lancaster County
 45 059 Laurens County
 45 061 Lee County
 45 063 Lexington County
 45 065 McCormick County
 45 067 Marion County
 45 069 Marlboro County
 45 071 Newberry County
 45 073 Oconee County
 45 075 Orangeburg County
 45 077 Pickens County
 45 079 Richland County
 45 081 Saluda County
 45 083 Spartanburg County
 45 085 Sumter County

ST COU AREA NAME

45 087 Union County
45 089 Williamsburg County
45 091 York County
45 999 Statewide

South Dakota

46 003 Aurora County
46 005 Beadle County
46 007 Bennett County
46 009 Bon Homme County
46 011 Brookings County
46 013 Brown County
46 015 Brule County
46 017 Buffalo County
46 019 Butte County
46 021 Campbell County
46 023 Charles Mix County
46 025 Clark County
46 027 Clay County
46 029 Codrington County
46 031 Corson County
46 033 Custer County
46 035 Davison County
46 037 Day County
46 039 Deuel County
46 041 Dewey County
46 043 Douglas County
46 045 Edmunds County
46 047 Fall River County
46 049 Faulk County
46 051 Grant County
46 053 Gregory County
46 055 Haakon County
46 057 Hamlin County
46 059 Hand County
46 061 Hanson County
46 063 Harding County
46 065 Hughes County
46 067 Hutchinson County
46 069 Hyde County
46 071 Jackson County
46 073 Jerauld County
46 075 Jones County
46 077 Kingsbury County
46 079 Lake County
46 081 Lawrence County
46 083 Lincoln County
46 085 Lyman County
46 087 McCook County
46 089 McPherson County
46 091 Marshall County
46 093 Meade County
46 095 Mellette County
46 097 Miner County
46 099 Minnehaha County
46 101 Moody County
46 103 Pennington County
46 105 Perkins County
46 107 Potter County
46 109 Roberts County
46 111 Sanborn County
46 113 Shannon County
46 115 Spink County
46 117 Stanley County
46 119 Sully County
46 121 Todd County
46 123 Tripp County
46 125 Turner County
46 127 Union County
46 129 Walworth County
46 135 Yankton County
46 137 Ziebach County
46 999 Statewide

Tennessee

47 001 Anderson County
47 003 Bedford County

ST COU AREA NAME

47 005 Benton County
47 007 Bledsoe County
47 009 Blount County
47 011 Bradley County
47 013 Campbell County
47 015 Cannon County
47 017 Carroll County
47 019 Carter County
47 021 Cheatham County
47 023 Chester County
47 025 Claiborne County
47 027 Clay County
47 029 Cocke County
47 031 Coffee County
47 033 Crockett County
47 035 Cumberland County
47 037 Davidson County
47 039 Decatur County
47 041 De Kalb County
47 043 Dickson County
47 045 Dyer County
47 047 Fayette County
47 049 Fentress County
47 051 Franklin County
47 053 Gibson County
47 055 Giles County
47 057 Grainger County
47 059 Greene County
47 061 Grundy County
47 063 Hamblen County
47 065 Hamilton County
47 067 Hancock County
47 069 Hardeman County
47 071 Hardin County
47 073 Hawkins County
47 075 Haywood County
47 077 Henderson County
47 079 Henry County
47 081 Hickman County
47 083 Houston County
47 085 Humphreys County
47 087 Jackson County
47 089 Jefferson County
47 091 Johnson County
47 093 Knox County
47 095 Lake County
47 097 Lauderdale County
47 099 Lawrence County
47 101 Lewis County
47 103 Lincoln County
47 105 Loudon County
47 107 McMinn County
47 109 Mcnairy County
47 111 Macon County
47 113 Madison County
47 115 Marion County
47 117 Marshall County
47 119 Maury County
47 121 Meigs County
47 123 Monroe County
47 125 Montgomery County
47 127 Moore County
47 129 Morgan County
47 131 Obion County
47 133 Overton County
47 135 Perry County
47 137 Pickett County
47 139 Polk County
47 141 Putnam County
47 143 Rhea County
47 145 Roane County
47 147 Robertson County
47 149 Rutherford County
47 151 Scott County
47 153 Sequatchie County
47 155 Sevier County
47 157 Shelby County

ST COU AREA NAME

47 159 Smith County
47 161 Stewart County
47 163 Sullivan County
47 165 Sumner County
47 167 Tipton County
47 169 Trousdale County
47 171 Unicoi County
47 173 Union County
47 175 Van Buren County
47 177 Warren County
47 179 Washington County
47 181 Wayne County
47 183 Weakley County
47 185 White County
47 187 Williamson County
47 189 Wilson County
47 999 Statewide

Texas

48 001 Anderson County
48 003 Andrews County
48 005 Angelina County
48 007 Aransas County
48 009 Archer County
48 011 Armstrong County
48 013 Atascosa County
48 015 Austin County
48 017 Bailey County
48 019 Bandera County
48 021 Bastrop County
48 023 Baylor County
48 025 Bee County
48 027 Bell County
48 029 Bexar County
48 031 Blanco County
48 033 Borden County
48 035 Bosque County
48 037 Bowie County
48 039 Brazoria County
48 041 Brazos County
48 043 Brewster County
48 045 Briscoe County
48 047 Brooks County
48 049 Brown County
48 051 Burleson County
48 053 Burnet County
48 055 Caldwell County
48 057 Calhoun County
48 059 Callahan County
48 061 Cameron County
48 063 Camp County
48 065 Carson County
48 067 Cass County
48 069 Castro County
48 071 Chambers County
48 073 Cherokee County
48 075 Childress County
48 077 Clay County
48 079 Cochran County
48 081 Coke County
48 083 Coleman County
48 085 Collin County
48 087 Collingsworth County
48 089 Colorado County
48 091 Comal County
48 093 Comanche County
48 095 Concho County
48 097 Cooke County
48 099 Coryell County
48 101 Cottle County
48 103 Crane County
48 105 Crockett County
48 107 Crosby County
48 109 Culberson County
48 111 Dallam County
48 113 Dallas County
48 115 Dawson County

ST COU AREA NAME

48 117 Deaf Smith County
 48 119 Delta County
 48 121 Denton County
 48 123 De Witt County
 48 125 Dickens County
 48 127 Dimmit County
 48 129 Donley County
 48 131 Duval County
 48 133 Eastland County
 48 135 Ector County
 48 137 Edwards County
 48 139 Ellis County
 48 141 El Paso County
 48 143 Erath County
 48 145 Falls County
 48 147 Fannin County
 48 149 Fayette County
 48 151 Fisher County
 48 153 Floyd County
 48 155 Foard County
 48 157 Fort Bend County
 48 159 Franklin County
 48 161 Freestone County
 48 163 Frio County
 48 165 Gaines County
 48 167 Galveston County
 48 169 Garza County
 48 171 Gillespie County
 48 173 Glasscock County
 48 175 Goliad County
 48 177 Gonzales County
 48 179 Gray County
 48 181 Grayson County
 48 183 Gregg County
 48 185 Grimes County
 48 187 Guadalupe County
 48 189 Hale County
 48 191 Hall County
 48 193 Hamilton County
 48 195 Hansford County
 48 197 Hardeman County
 48 199 Hardin County
 48 201 Harris County
 48 203 Harrison County
 48 205 Hartley County
 48 207 Haskell County
 48 209 Hays County
 48 211 Hemphill County
 48 213 Henderson County
 48 215 Hidalgo County
 48 217 Hill County
 48 219 Hockley County
 48 221 Hood County
 48 223 Hopkins County
 48 225 Houston County
 48 227 Howard County
 48 229 Hudspeth County
 48 231 Hunt County
 48 233 Hutchinson County
 48 235 Irion County
 48 237 Jack County
 48 239 Jackson County
 48 241 Jasper County
 48 243 Jeff Davis County
 48 245 Jefferson County
 48 247 Jim Hogg County
 48 249 Jim Wells County
 48 251 Johnson County
 48 253 Jones County
 48 255 Karnes County
 48 257 Kaufman County
 48 259 Kendall County
 48 261 Kenedy County
 48 263 Kent County
 48 265 Kerr County
 48 267 Kimble County
 48 269 King County

SI COU AREA NAME

48 271 Kinney County
 48 273 Kleberg County
 48 275 Knox County
 48 277 Lamar County
 48 279 Lamb County
 48 281 Lampasas County
 48 283 La Salle County
 48 285 Lavaca County
 48 287 Lee County
 48 289 Leon County
 48 291 Liberty County
 48 293 Limestone County
 48 295 Lipscomb County
 48 297 Live Oak County
 48 299 Llano County
 48 301 Loving County
 48 303 Lubbock County
 48 305 Lynn County
 48 307 McCulloch County
 48 309 McLennan County
 48 311 McMullen County
 48 313 Madison County
 48 315 Marion County
 48 317 Martin County
 48 319 Mason County
 48 321 Matagorda County
 48 323 Maverick County
 48 325 Medina County
 48 327 Menard County
 48 329 Midland County
 48 331 Milam County
 48 333 Mills County
 48 335 Mitchell County
 48 337 Montague County
 48 339 Montgomery County
 48 341 Moore County
 48 343 Morris County
 48 345 Motley County
 48 347 Nacogdoches County
 48 349 Navarro County
 48 351 Newton County
 48 353 Nolan County
 48 355 Nueces County
 48 357 Ochiltree County
 48 359 Oldham County
 48 361 Orange County
 48 363 Palo Pinto County
 48 365 Panola County
 48 367 Parker County
 48 369 Parmer County
 48 371 Pecos County
 48 373 Polk County
 48 375 Potter County
 48 377 Presidio County
 48 379 Rains County
 48 381 Randall County
 48 383 Reagan County
 48 385 Real County
 48 387 Red River County
 48 389 Reeves County
 48 391 Refugio County
 48 393 Roberts County
 48 395 Robertson County
 48 397 Rockwall County
 48 399 Runnels County
 48 401 Rusk County
 48 403 Sabine County
 48 405 San Augustine County
 48 407 San Jacinto County
 48 409 San Patricio County
 48 411 San Saba County
 48 413 Schleicher County
 48 415 Scurry County
 48 417 Shackelford County
 48 419 Shelby County
 48 421 Sherman County
 48 423 Smith County

SI COU AREA NAME

48 425 Somervell County
 48 427 Starr County
 48 429 Stephens County
 48 431 Sterling County
 48 433 Stonewall County
 48 435 Sutton County
 48 437 Swisher County
 48 439 Tarrant County
 48 441 Taylor County
 48 443 Terrell County
 48 445 Terry County
 48 447 Throckmorton County
 48 449 Titus County
 48 451 Tom Green County
 48 453 Travis County
 48 455 Trinity County
 48 457 Tyler County
 48 459 Upshur County
 48 461 Upton County
 48 463 Uvalde County
 48 465 Val Verde County
 48 467 Van Zandt County
 48 469 Victoria County
 48 471 Walker County
 48 473 Waller County
 48 475 Ward County
 48 477 Washington County
 48 479 Webb County
 48 481 Wharton County
 48 483 Wheeler County
 48 485 Wichita County
 48 487 Wilbarger County
 48 489 Willacy County
 48 491 Williamson County
 48 493 Wilson County
 48 495 Winkler County
 48 497 Wise County
 48 499 Wood County
 48 501 Yoakum County
 48 503 Young County
 48 505 Zapata County
 48 507 Zavala County
 48 999 Statewide

Utah

49 001 Beaver County
 49 003 Box Elder County
 49 005 Cache County
 49 007 Carbon County
 49 009 Daggett County
 49 011 Davis County
 49 013 Duchesne County
 49 015 Emery County
 49 017 Garfield County
 49 019 Grand County
 49 021 Iron County
 49 023 Juab County
 49 025 Kane County
 49 027 Millard County
 49 029 Morgan County
 49 031 Piute County
 49 033 Rich County
 49 035 Salt Lake County
 49 037 San Juan County
 49 039 Sanpete County
 49 041 Sevier County
 49 043 Summit County
 49 045 Tooele County
 49 047 Uintah County
 49 049 Utah County
 49 051 Wasatch County
 49 053 Washington County
 49 055 Wayne County
 49 057 Weber County
 49 999 Statewide

ST COU AREA NAME**Vermont**

50 001 Addison County
 50 003 Bennington County
 50 005 Caledonia County
 50 007 Chittenden County
 50 009 Essex County
 50 011 Franklin County
 50 013 Grand Isle County
 50 015 Lamoille County
 50 017 Orange County
 50 019 Orleans County
 50 021 Rutland County
 50 023 Washington County
 50 025 Windham County
 50 027 Windsor County
 50 999 Statewide

Virginia

51 001 Accomack County
 51 003 Albemarle County
 51 005 Alleghany County
 51 007 Amelia County
 51 009 Amherst County
 51 011 Appomattox County
 51 013 Arlington County
 51 015 Augusta County
 51 017 Bath County
 51 019 Bedford County
 51 021 Bland County
 51 023 Botetourt County
 51 025 Brunswick County
 51 027 Buchanan County
 51 029 Buckingham County
 51 031 Campbell County
 51 033 Caroline County
 51 035 Carroll County
 51 036 Charles City County
 51 037 Charlotte County
 51 041 Chesterfield County
 51 043 Clarke County
 51 045 Craig County
 51 047 Culpeper County
 51 049 Cumberland County
 51 051 Dickenson County
 51 053 Dinwiddie County
 51 057 Essex County
 51 059 Fairfax County
 51 061 Fauquier County
 51 063 Floyd County
 51 065 Fluvanna County
 51 067 Franklin County
 51 069 Frederick County
 51 071 Giles County
 51 073 Gloucester County
 51 075 Goochland County
 51 077 Grayson County
 51 079 Greene County
 51 081 Greensville County
 51 083 Halifax County
 51 085 Hanover County
 51 087 Henrico County
 51 089 Henry County
 51 091 Highland County
 51 093 Isle of Wight County
 51 095 James City County
 51 097 King and Queen County
 51 099 King George County
 51 101 King William County
 51 103 Lancaster County
 51 105 Lee County
 51 107 Loudoun County
 51 109 Louisa County
 51 111 Lunenburg County
 51 113 Madison County
 51 115 Mathews County
 51 117 Mecklenburg County
 51 119 Middlesex County

ST COU AREA NAME

51 121 Montgomery County
 51 125 Nelson County
 51 127 New Kent County
 51 131 Northampton County
 51 133 Northumberland County
 51 135 Nottoway County
 51 137 Orange County
 51 139 Page County
 51 141 Patrick County
 51 143 Pittsylvania County
 51 145 Powhatan County
 51 147 Prince Edward County
 51 149 Prince George County
 51 153 Prince William County
 51 155 Pulaski County
 51 157 Rappahannock County
 51 159 Richmond County
 51 161 Roanoke County
 51 163 Rockbridge County
 51 165 Rockingham County
 51 167 Russell County
 51 169 Scott County
 51 171 Shenandoah County
 51 173 Smyth County
 51 175 Southampton County
 51 177 Spotsylvania County
 51 179 Stafford County
 51 181 Surry County
 51 183 Sussex County
 51 185 Tazewell County
 51 187 Warren County
 51 191 Washington County
 51 193 Westmoreland County
 51 195 Wise County
 51 197 Wythe County
 51 199 York County
 51 510 Alexandria City
 51 515 Bedford City
 51 520 Bristol City
 51 530 Buena Vista City
 51 540 Charlottesville City
 51 550 Chesapeake City
 51 560 Clifton Forge City
 51 570 Colonial Heights City
 51 580 Covington City
 51 590 Danville City
 51 595 Emporia City
 51 600 Fairfax City
 51 610 Falls Church City
 51 620 Franklin City
 51 630 Fredericksburg City
 51 640 Galax City
 51 650 Hampton City
 51 660 Harrisonburg City
 51 670 Hopewell City
 51 678 Lexington City
 51 680 Lynchburg City
 51 683 Manassas City
 51 685 Manassas Park City
 51 690 Martinsville City
 51 700 Newport News City
 51 710 Norfolk City
 51 720 Norton City
 51 730 Petersburg City
 51 735 Poquoson City
 51 740 Portsmouth City
 51 750 Radford City
 51 760 Richmond City
 51 770 Roanoke City
 51 775 Salem City
 51 780 South Boston City
 51 790 Staunton City
 51 800 Suffolk City
 51 810 Virginia Beach City
 51 820 Waynesboro City
 51 830 Williamsburg City
 51 840 Winchester City

ST COU AREA NAME

51 999 Statewide

Washington

53 001 Adams County
 53 003 Asotin County
 53 005 Benton County
 53 007 Chelan County
 53 009 Clallam County
 53 011 Clark County
 53 013 Columbia County
 53 015 Cowlitz County
 53 017 Douglas County
 53 019 Ferry County
 53 021 Franklin County
 53 023 Garfield County
 53 025 Grant County
 53 027 Grays Harbor County
 53 029 Island County
 53 031 Jefferson County
 53 033 King County
 53 035 Kitsap County
 53 037 Kittitas County
 53 039 Klickitat County
 53 041 Lewis County
 53 043 Lincoln County
 53 045 Mason County
 53 047 Okanogan County
 53 049 Pacific County
 53 051 Pend Oreille County
 53 053 Pierce County
 53 055 San Juan County
 53 057 Skagit County
 53 059 Skamania County
 53 061 Snohomish County
 53 063 Spokane County
 53 065 Stevens County
 53 067 Thurston County
 53 069 Wahkiakum County
 53 071 Walla Walla County
 53 073 Whatcom County
 53 075 Whitman County
 53 077 Yakima County
 53 999 Statewide

West Virginia

54 001 Barbour County
 54 003 Berkeley County
 54 005 Boone County
 54 007 Braxton County
 54 009 Brooke County
 54 011 Cabell County
 54 013 Calhoun County
 54 015 Clay County
 54 017 Doddridge County
 54 019 Fayette County
 54 021 Gilmer County
 54 023 Grant County
 54 025 Greenbrier County
 54 027 Hampshire County
 54 029 Hancock County
 54 031 Hardy County
 54 033 Harrison County
 54 035 Jackson County
 54 037 Jefferson County
 54 039 Kanawha County
 54 041 Lewis County
 54 043 Lincoln County
 54 045 Logan County
 54 047 Mcdowell County
 54 049 Marion County
 54 051 Marshall County
 54 053 Mason County
 54 055 Mercer County
 54 057 Mineral County
 54 059 Mingo County
 54 061 Monongalia County
 54 063 Monroe County

ST COU AREA NAME

54 065 Morgan County
 54 067 Nicholas County
 54 069 Ohio County
 54 071 Pendleton County
 54 073 Pleasants County
 54 075 Pocahontas County
 54 077 Preston County
 54 079 Putnam County
 54 081 Raleigh County
 54 083 Randolph County
 54 085 Ritchie County
 54 087 Roane County
 54 089 Summers County
 54 091 Taylor County
 54 093 Tucker County
 54 095 Tyler County
 54 097 Upshur County
 54 099 Wayne County
 54 101 Webster County
 54 103 Wetzel County
 54 105 Wirt County
 54 107 Wood County
 54 109 Wyoming County
 54 999 Statewide

Wisconsin

55 001 Adams County
 55 003 Ashland County
 55 005 Barron County
 55 007 Bayfield County
 55 009 Brown County
 55 011 Buffalo County
 55 013 Burnett County
 55 015 Calumet County
 55 017 Chippewa County
 55 019 Clark County
 55 021 Columbia County
 55 023 Crawford County
 55 025 Dane County
 55 027 Dodge County
 55 029 Door County
 55 031 Douglas County

ST COU AREA NAME

55 033 Dunn County
 55 035 Eau Claire County
 55 037 Florence County
 55 039 Fond du Lac County
 55 041 Forest County
 55 043 Grant County
 55 045 Green County
 55 047 Green Lake County
 55 049 Iowa County
 55 051 Iron County
 55 053 Jackson County
 55 055 Jefferson County
 55 057 Juneau County
 55 059 Kenosha County
 55 061 Kewaunee County
 55 063 La Crosse County
 55 065 Lafayette County
 55 067 Langlade County
 55 069 Lincoln County
 55 071 Manitowoc County
 55 073 Marathon County
 55 075 Marinette County
 55 077 Marquette County
 55 078 Menominee County
 55 079 Milwaukee County
 55 081 Monroe County
 55 083 Oconto County
 55 085 Oneida County
 55 087 Outagamie County
 55 089 Ozaukee County
 55 091 Pepin County
 55 093 Pierce County
 55 095 Polk County
 55 097 Portage County
 55 099 Price County
 55 101 Racine County
 55 103 Richland County
 55 105 Rock County
 55 107 Rusk County
 55 109 St. Croix County
 55 111 Sauk County
 55 113 Sawyer County

ST COU AREA NAME

55 115 Shawano County
 55 117 Sheboygan County
 55 119 Taylor County
 55 121 Trempealeau County
 55 123 Vernon County
 55 125 Vilas County
 55 127 Walworth County
 55 129 Washburn County
 55 131 Washington County
 55 133 Waukesha County
 55 135 Waupaca County
 55 137 Waushara County
 55 139 Winnebago County
 55 141 Wood County
 55 999 Statewide

Wyoming

56 001 Albany County
 56 003 Big Horn County
 56 005 Campbell County
 56 007 Carbon County
 56 009 Converse County
 56 011 Crook County
 56 013 Fremont County
 56 015 Goshen County
 56 017 Hot Springs County
 56 019 Johnson County
 56 021 Laramie County
 56 023 Lincoln County
 56 025 Natrona County
 56 027 Niobrara County
 56 029 Park County
 56 031 Platte County
 56 033 Sheridan County
 56 035 Sublette County
 56 037 Sweetwater County
 56 039 Teton County
 56 041 Uinta County
 56 043 Washakie County
 56 045 Weston County
 56 999 Statewide

Minor Civil Division Codes (50,000 or More Persons)

CEN ST	FIPS COU	FIPS MCD	MCD	NAME	CEN ST	FIPS COU	FIPS MCD	MCD	NAME
09				Connecticut	25	025	005	07000	Boston city
09	001			Fairfield County	25	027			Worcester County
09	001	010	08070	Bridgeport town	25	027	300	82000	Worcester city
09	001	020	18500	Danbury town					
09	001	035	26620	Fairfield town	26				Michigan
09	001	040	33620	Greenwich town	26	025			Calhoun County
09	001	065	56060	Norwalk town	26	025	020	05920	Battle Creek city
09	001	090	73070	Stamford town	26	049			Genesee County
09	003			Hartford County	26	049	045	29000	Filnt city
09	003	020	08490	Bristol town	26	065			Ingham County
09	003	040	22630	East Hartford town	26	065	025	24120	East Lansing city
09	003	070	37070	Hartford town	26	065	035	46000	Lansing city
09	003	080	44700	Manchester town	26	077			Kalamazoo County
09	003	090	50440	New Britain town	26	077	040	42160	Kalamazoo city
09	003	130	82590	West Hartford town	26	081			Kent County
09	009			New Haven County	26	081	060	34000	Grand Rapids city
09	009	045	35650	Hamden town	26	081	145	88940	Wyoming city
09	009	055	46520	Meriden town	26	099			Macomb County
09	009	075	52070	New Haven town	26	099	025	16520	Clinton township
09	009	120	80070	Waterbury town	26	099	085	69800	Roseville city
09	009	125	82870	West Haven town	26	099	090	70760	St. Clair Shores city
					26	099	097	76460	Sterling Heights city
					26	099	110	84000	Warren city
23				Maine	26	125			Oakland County
23	005			Cumberland County	26	125	055	27440	Farmington Hills city
23	005	085	60545	Portland city	26	125	155	65440	Pontiac city
25				Massachusetts	26	125	163	69035	Rochester Hills city
25	005			Bristol County	26	125	170	70040	Royal Oak city
25	005	040	23000	Fall River city	26	125	180	74900	Southfield city
25	005	055	45000	New Bedford city	26	125	205	80700	Troy city
25	009			Essex County	26	125	215	84240	Waterford township
25	009	055	29405	Haverhill city	26	125	220	85480	West Bloomfield township
25	009	065	34550	Lawrence city	26	145			Saginaw County
25	009	070	37490	Lynn city	26	145	105	70520	Saginaw city
25	013			Hampden County	26	161			Washtenaw County
25	013	025	13660	Chicopee city	26	161	005	03000	Ann Arbor city
25	013	090	67000	Springfield city	26	163			Wayne County
25	017			Middlesex County	26	163	020	13120	Canton township
25	017	055	11000	Cambridge city	26	163	025	21000	Dearborn city
25	017	090	24925	Framingham town	26	163	033	21020	Dearborn Heights city
25	017	130	37000	Lowell city	26	163	035	22000	Detroit city
25	017	135	37875	Malden city	26	163	110	49000	Livonia city
25	017	150	39835	Medford city	26	163	145	67660	Redford township
25	017	165	45560	Newton city	26	163	175	79000	Taylor city
25	017	195	62535	Somerville city	26	163	187	86000	Westland city
25	017	235	72600	Waltham city					
25	021			Norfolk County	27				Minnesota
25	021	020	09175	Brookline town	27	003			Anoka County
25	021	100	55745	Quincy city	27	003	050	13114	Coon Rapids city
25	021	135	78865	Weymouth town	27	037			Dakota County
25	023			Plymouth County	27	037	006	08794	Burnsville city
25	023	015	09000	Brockton city	27	053			Hennepin County
25	025			Suffolk County	27	053	005	06616	Bloomington city

CEN FIPS
ST COU MCD MCD

27 053 015 07966
27 053 135 43000
27 053 180 51730
27 109
27 109 095 54880
27 123
27 123 070 58000
27 137
27 137 125 17000

33
33 011
33 011 085 45140
33 011 110 50260

34
34 007
34 007 040 10000
34 007 043 12280
34 007 075 26760
34 011
34 011 070 76070
34 013
34 013 030 19390
34 013 045 34450
34 013 070 51000
34 017
34 017 005 03580
34 017 030 36000
34 017 050 74630
34 021
34 021 015 29310
34 021 055 74000
34 023
34 023 025 20230
34 023 077 54705
34 023 125 82000
34 025
34 025 155 45990
34 029
34 029 030 07420
34 029 035 18130
34 031
34 031 010 13690
34 031 035 56550
34 031 040 57000
34 039
34 039 020 21000
34 039 095 74480

36
36 001
36 001 005 01000
36 001 030 17343
36 005

NAME

Brooklyn Park city
Minneapolis city
Plymouth city
Olmsted County
Rochester city
Ramsey County
St. Paul city
St. Louis County
Duluth city

New Hampshire
Hillsborough County
Manchester city
Nashua city

New Jersey
Camden County
Camden city
Cherry Hill township
Gloucester township
Cumberland County
Vineland city
Essex County
East Orange city
Irvington township
Newark city
Hudson County
Bayonne city
Jersey City city
Union City city
Mercer County
Hamilton township
Trenton city
Middlesex County
Edison township
Old Bridge township
Woodbridge township
Monmouth County
Middletown township
Ocean County
Brick township
Dover township
Passaic County
Clifton city
Passaic city
Paterson city
Union County
Elizabeth city
Union township

New York
Albany County
Albany city
Colonie town
Bronx County

CEN FIPS
ST COU MCD MCD

36 005 005 08510
36 007
36 007 010 06607
36 007 075 76056
36 029
36 029 010 02000
36 029 030 11000
36 029 035 15011
36 029 080 31654
36 029 130 75000
36 047
36 047 005 10022
36 055
36 055 025 30290
36 055 040 37726
36 055 080 63000
36 059
36 059 010 34000
36 059 020 53000
36 059 025 56000
36 061
36 061 005 44919
36 063
36 063 040 51055
36 065
36 065 110 76540
36 067
36 067 015 16067
36 067 090 73000
36 081
36 081 005 60323
36 083
36 083 080 75484
36 085
36 085 005 70915
36 087
36 087 005 15968
36 087 020 60510
36 093
36 093 030 65508
36 103
36 103 005 04000
36 103 010 10000
36 103 020 37000
36 103 025 38000
36 103 040 68000
36 119
36 119 020 30367
36 119 045 49121
36 119 055 50617
36 119 115 84000

42
42 003
42 003 420 59032

NAME

Bronx borough
Broome County
Binghamton city
Union town
Erie County
Amherst town
Buffalo city
Cheektowaga town
Hamburg town
Tonawanda town
Kings County
Brooklyn borough
Monroe County
Greece town
Irondequoit town
Rochester city
Nassau County
Hempstead town
North Hempstead town
Oyster Bay town
New York County
Manhattan borough
Niagara County
Niagara Falls city
Onondaga County
Utica city
Onondaga County
Clay town
Syracuse city
Queens County
Queens borough
Rensselaer County
Troy city
Richmond County
Staten Island borough
Rockland County
Clarkstown town
Ramapo town
Schenectady County
Schenectady city
Suffolk County
Babylon town
Brookhaven town
Huntington town
Islip town
Smithtown town
Westchester County
Greenburgh town
Mount Vernon city
New Rochelle city
Yonkers city

Pennsylvania
Allegheny County
Penn Hills township

CEN FIPS
ST COU MCD MCD

42 003 435 61000
42 011
42 011 245 63624
42 013
42 013 010 02184
42 017
42 017 010 05616
42 017 025 08768
42 043
42 043 050 32800
42 045
42 045 235 79000
42 049
42 049 055 24000
42 069
42 069 165 69000
42 071
42 071 140 41216
42 077
42 077 010 02000
42 091
42 091 005 00156
42 091 110 44976
42 095
42 095 020 06088
42 101
42 101 005 60000

44
44 003
44 003 015 74300
44 007
44 007 015 19180
44 007 025 22960

NAME

Pittsburgh city
Berks County
Reading city
Blair County
Altoona city
Bucks County
Bensalem township
Bristol township
Dauphin County
Harrisburg city
Delaware County
Upper Darby township
Erie County
Erie city
Lackawanna County
Scranton city
Lancaster County
Lancaster city
Lehigh County
Allentown city
Montgomery County
Abington township
Lower Merion township
Northampton County
Bethlehem city
Philadelphia County
Philadelphia city

Rhode Island

Kent County
Warwick city
Providence County
Cranston city
East Providence city

CEN FIPS
ST COU MCD MCD

44 007 060 54640
44 007 065 59000

50

55
55 009
55 009 045 31000
55 025
55 025 135 48000
55 035
55 035 035 22300
55 059
55 059 015 39225
55 063
55 063 055 40775
55 079
55 079 050 53000
55 079 085 85300
55 087
55 087 005 02375
55 101
55 101 040 66000
55 105
55 105 065 37825
55 133
55 133 180 84250
55 139
55 139 060 60500

NAME

Pawtucket city
Providence city

Vermont¹

Wisconsin

Brown County
Green Bay city
Dane County
Madison city
Eau Claire County
Eau Claire city
Kenosha County
Kenosha city
La Crosse County
La Crosse city
Milwaukee County
Milwaukee city
West Allis city
Outagamie County
Appleton city
Racine County
Racine city
Rock County
Janesville city
Waukesha County
Waukesha city
Winnebago County
Oshkosh city

¹There are no MCD's in Vermont with populations of 50,000 or more.

Place Codes (50,000 or More Persons)

CEN FIPS ST PLAC PLACE	NAME	CEN FIPS ST PLAC PLACE	NAME
01	Alabama	06 0771 19192	Diamond Bar city
01 0185 07000	Birmingham city	06 0795 19766	Downey city
01 0500 21184	Dothan city	06 0820 20802	East Los Angeles CDP
01 0935 37000	Huntsville city	06 0850 21712	El Cajon city
01 1165 50000	Mobile city	06 0880 22230	El Monte city
01 1180 51000	Montgomery city	06 0903 22468	El Toro CDP
01 1720 77256	Tuscaloosa city	06 0920 22678	Encinitas city
		06 0935 22804	Escondido city
02	Alaska	06 0960 23182	Fairfield city
02 0140 03000	Anchorage city	06 1020 24477	Florence-Graham CDP
		06 1030 24680	Fontana city
04	Arizona	06 1065 25380	Fountain Valley city
04 0050 12000	Chandler city	06 1080 26000	Fremont city
04 0140 27820	Glendale city	06 1090 27000	Fresno city
04 0215 46000	Mesa city	06 1095 28000	Fullerton city
04 0255 54050	Peoria city	06 1110 29000	Garden Grove city
04 0260 55000	Phoenix city	06 1130 30000	Glendale city
04 0305 65000	Scottsdale city	06 1188 31596	Hacienda Heights CDP
04 0360 73000	Tempe city	06 1220 32548	Hawthorne city
04 0380 77000	Tucson city	06 1225 33000	Hayward city
04 0415 85540	Yuma city	06 1251 33434	Hesperia city
		06 1300 36000	Huntington Beach city
05	Arkansas	06 1305 36056	Huntington Park city
05 0700 24550	Fort Smith city	06 1340 36546	Inglewood city
05 1195 41000	Little Rock city	06 1347 36770	Irvine city
05 1475 50450	North Little Rock city	06 1428 39290	La Habra city
05 1615 55310	Pine Bluff city	06 1455 39892	Lakewood city
		06 1460 40004	La Mesa city
06	California	06 1476 40130	Lancaster city
06 0010 00562	Alameda city	06 1570 41992	Livermore city
06 0025 00884	Alhambra city	06 1585 42202	Lodi city
06 0070 02000	Anaheim city	06 1610 43000	Long Beach city
06 0085 02252	Antioch city	06 1630 44000	Los Angeles city
06 0115 02553	Arden-Arcade CDP	06 1660 44574	Lynwood city
06 0180 03526	Bakersfield city	06 1750 46898	Merced city
06 0185 03666	Baldwin Park city	06 1770 47766	Milpitas city
06 0215 04982	Bellflower city	06 1786 48256	Mission Viejo city
06 0245 06000	Berkeley city	06 1790 48354	Modesto city
06 0335 08786	Buena Park city	06 1820 48816	Montebello city
06 0340 08954	Burbank city	06 1830 48914	Monterey Park city
06 0379 10046	Camarillo city	06 1849 49270	Moreno Valley city
06 0405 11194	Carlsbad city	06 1860 49670	Mountain View city
06 0440 11530	Carson city	06 1884 50258	Napa city
06 0487 12552	Cerritos city	06 1885 50398	National City city
06 0510 13210	Chino city	06 1915 51182	Newport Beach city
06 0525 13392	Chula Vista city	06 1950 52526	Norwalk city
06 0530 13588	Citrus Heights CDP	06 1970 53000	Oakland city
06 0550 14218	Clovis city	06 1990 53322	Oceanside city
06 0590 15044	Compton city	06 2005 53896	Ontario city
06 0595 16000	Concord city	06 2015 53980	Orange city
06 0610 16350	Corona city	06 2050 54652	Oxnard city
06 0625 16532	Costa Mesa city	06 2072 55156	Palmdale city
06 0700 17918	Daly City city	06 2090 55282	Palo Alto city

CEN FIPS
ST PLAC PLACE

NAME

CEN FIPS
ST PLAC PLACE

NAME

06 2125 56000 Pasadena city
06 2145 56924 Pico Rivera city
06 2215 57792 Pleasanton city
06 2230 58072 Pomona city
06 2278 59451 Rancho Cucamonga city
06 2290 59920 Redding city
06 2295 59962 Redlands city
06 2300 60018 Redondo Beach city
06 2305 60102 Redwood City city
06 2320 60466 Rialto city
06 2330 60620 Richmond city
06 2370 62000 Riverside city
06 2400 62896 Rosemead city
06 2420 64000 Sacramento city
06 2435 64224 Salinas city
06 2450 65000 San Bernardino city
06 2460 65042 San Buenaventura
(Ventura) city
06 2475 66000 San Diego city
06 2485 67000 San Francisco city
06 2510 68000 San Jose city
06 2525 68084 San Leandro city
06 2555 68252 San Mateo city
06 2570 69000 Santa Ana city
06 2575 69070 Santa Barbara city
06 2580 69084 Santa Clara city
06 2583 69088 Santa Clarita city
06 2595 69196 Santa Maria city
06 2600 70000 Santa Monica city
06 2615 70098 Santa Rosa city
06 2623 70224 Santee city
06 2702 72016 Simi Valley city
06 2730 73080 South Gate city
06 2765 73262 South San Francisco city
06 2795 73696 Spring Valley CDP
06 2805 75000 Stockton city
06 2835 77000 Sunnyvale city
06 2897 78582 Thousand Oaks city
06 2910 80000 Torrance city
06 2965 80854 Tustin city
06 2985 81204 Union City city
06 2990 81344 Upland city
06 2995 81554 Vacaville city
06 3000 81666 Vallejo city
06 3015 82954 Visalia city
06 3017 82996 Vista city
06 3030 83346 Walnut Creek city
06 3070 84200 West Covina city
06 3085 84550 Westminster city
06 3110 85292 Whittier city
06 3169 86832 Yorba Linda city

08
08 0040 03455
08 0055 04000

Colorado

Arvada city
Aurora city

08 0110 07850
08 0240 16000
08 0320 20000
08 0455 27425
08 0570 32155
08 0760 43000
08 0820 45970
08 1085 62000
08 1285 77290
08 1355 83835

09
09 0200 08000
09 0230 08420
09 0530 18430
09 0680 22700
09 0970 37000
09 1210 46450
09 1390 50370
09 1450 52000
09 1630 55990
09 2180 73000
09 2460 80000
09 2530 82660
09 2535 82800

10
10 0255 77580

11
11 0005 50000

12
12 0180 07300
12 0225 08150
12 0293 10275
12 0295 10650
12 0375 12875
12 0427 14400
12 0485 16525
12 0512 17200
12 0645 24000
12 0695 25175
12 0860 30000
12 0915 32000
12 1003 35160
12 1048 36100
12 1136 38250
12 1175 39425
12 1350 43975
12 1370 45000
12 1375 45025
12 1600 53000
12 1640 54000
12 1663 54350

Boulder city
Colorado Springs city
Denver city
Fort Collins city
Greeley city
Lakewood city
Longmont city
Pueblo city
Thornton city
Westminster city

Connecticut

Bridgeport city
Bristol city
Danbury city
East Hartford CDP
Hartford city
Meriden city
New Britain city
New Haven city
Norwalk city
Stamford city
Waterbury city
West Hartford CDP
West Haven city

Delaware

Wilmington city

District of Columbia

Washington city

Florida

Boca Raton city
Brandon CDP
Cape Coral city
Carol City CDP
Clearwater city
Coral Springs city
Daytona Beach city
Deltona CDP
Fort Lauderdale city
Gainesville city
Hialeah city
Hollywood city
Jacksonville city (remainder)
Kendall CDP
Lakeland city
Largo city
Melbourne city
Miami city
Miami Beach city
Orlando city
Palm Bay city
Palm Harbor CDP

CEN FIPS
ST PLAC PLACE

12 1700 55775
12 1715 55925
12 1755 57425
12 1780 58050
12 1807 58725
12 1900 63000
12 1930 64175
12 2047 69700
12 2070 70600
12 2075 71000
12 2108 72137
12 2215 76600

13

13 0045 01052
13 0150 04000
13 0660 19030
13 1725 49000
13 2518 68516
13 2540 69000
13 2631 71870

15

15 0110 17000

16

16 0090 08830

17

17 0190 02154
17 0280 03012
17 0540 06613
17 0990 12385
17 1051 14000
17 1085 14351
17 1410 18823
17 1460 19642
17 1720 23074
17 1845 24582
17 2865 38570
17 3930 51089
17 3990 51622
17 4290 54820
17 4295 54885
17 4590 59000
17 4965 65000
17 5215 68003
17 5365 70122
17 5480 72000
17 6075 79293
17 6190 81048

18

18 0065 01468
18 0195 05860

NAME

Pembroke Pines city
Pensacola city
Plantation city
Pompano Beach city
Port St. Lucie city
St. Petersburg city
Sarasota city
Sunrise city
Tallahassee city
Tampa city
Town 'n' Country CDP
West Palm Beach city

Georgia

Albany city
Atlanta city
Columbus city (remainder)
Macon city
Sandy Springs CDP
Savannah city
South Augusta CDP

Hawaii

Honolulu CDP

Idaho

Boise City city

Illinois

Arlington Heights village
Aurora city
Bloomington city
Champaign city
Chicago city
Cicero town
Decatur city
Des Plaines city
Elgin city
Evanston city
Joliet city
Mount Prospect village
Naperville city
Oak Lawn village
Oak Park village
Peoria city
Rockford city
Schaumburg village
Skokie village
Springfield city
Waukegan city
Wheaton city

Indiana

Anderson city
Bloomington city

CEN FIPS
ST PLAC PLACE

18 0775 22000
18 0825 25000
18 0905 27000
18 1040 31000
18 1145 36010
18 1735 51876
18 2375 71000
18 2505 75428

19

19 0670 12000
19 0945 16860
19 1040 19000
19 1130 21000
19 1215 22395
19 2040 38595
19 3980 73335
19 4455 82425

20

20 1430 36000
20 1535 38900
20 2120 52575
20 2194 53775
20 2795 71000
20 3040 79000

21

21 1160 46000
21 1230 48000
21 1495 58620

22

22 0095 05000
22 0140 08920
22 0675 39475
22 0700 40735
22 0715 41155
22 0882 50115
22 0890 51410
22 0956 55000
22 1240 70000

23

23 3750 60545

24

24 0025 04000
24 0065 07125
24 0227 19125
24 0275 23975
24 0900 72450
24 1036 83837

NAME

Evansville city
Fort Wayne city
Gary city
Hammond city
Indianapolis city (remainder)
Muncie city
South Bend city
Terre Haute city

Iowa

Cedar Rapids city
Council Bluffs city
Davenport city
Des Moines city
Dubuque city
Iowa City city
Sioux City city
Waterloo city

Kansas

Kansas City city
Lawrence city
Olathe city
Overland Park city
Topeka city
Wichita city

Kentucky

Lexington-Fayette
Louisville city
Owensboro city

Louisiana

Baton Rouge city
Bossier City city
Kenner city
Lafayette city
Lake Charles city
Metairie CDP
Monroe city
New Orleans city
Shreveport city

Maine

Portland city

Maryland

Baltimore city
Bethesda CDP
Columbia CDP
Dundalk CDP
Silver Spring CDP
Wheaton-Glenmont CDP

CEN FIPS
ST PLAC PLACE

NAME

CEN FIPS
ST PLAC PLACE

NAME

25
25 0440 07000
25 0540 09000
25 0570 09210
25 0610 11000
25 0760 13660
25 1220 23000
25 1330 24960
25 1710 29405
25 2030 34550
25 2180 37000
25 2210 37490
25 2230 37875
25 2400 39835
25 2770 45000
25 2830 45560
25 3460 55745
25 3920 62535
25 4090 67000
25 4440 72600
25 4850 78900
25 5030 82000

Massachusetts
Boston city
Brockton city
Brookline CDP
Cambridge city
Chicopee city
Fall River city
Framingham CDP
Haverhill city
Lawrence city
Lowell city
Lynn city
Malden city
Medford city
New Bedford city
Newton city
Quincy city
Somerville city
Springfield city
Waltham city
Weymouth CDP
Worcester city

26
26 0080 03000
26 0160 05920
26 0402 13110
26 0557 16490
26 0655 21000
26 0658 21020
26 0680 22000
26 0765 24120
26 0877 27440
26 0920 29000
26 1085 34000
26 1370 42160
26 1485 46000
26 1565 49000
26 2200 65440
26 2282 67620
26 2323 69035
26 2360 69800
26 2365 70040
26 2370 70520
26 2385 70760
26 2490 74900
26 2583 76460
26 2633 79000
26 2675 80700
26 2790 84000
26 2798 84220
26 2822 85490

26 2827 86000
26 2925 88940

Michigan
Ann Arbor city
Battle Creek city
Canton CDP
Clinton CDP
Dearborn city
Dearborn Heights city
Detroit city
East Lansing city
Farmington Hills city
Flint city
Grand Rapids city
Kalamazoo city
Lansing city
Livonia city
Pontiac city
Redford CDP
Rochester Hills city
Roseville city
Royal Oak city
Saginaw city
St. Clair Shores city
Southfield city
Sterling Heights city
Taylor city
Troy city
Warren city
Waterford CDP
West Bloomfield
Township CDP
Westland city
Wyoming city

27
27 0385 06616
27 0465 07966
27 0537 08794
27 0620 13114
27 1040 17000
27 2585 43000
27 3105 51730
27 3235 54880
27 3425 58000

28
28 0615 36000

29
29 0930 15670
29 1465 24778
29 2125 35000
29 2220 38000
29 3830 64082
29 3865 64550
29 3875 65000
29 4075 70000

30
30 0050 06550
30 0295 32800

31
31 1425 28000
31 1825 37000

32
32 0058 31900
32 0065 40000
32 0084 54600
32 0090 60600
32 0100 68400
32 0104 68585
32 0110 71400

33
33 1610 45140
33 1770 50260

34
34 1135 03580
34 1305 07520
34 1390 10000
34 1440 12310
34 1490 13690
34 1665 19390
34 1697 20260
34 1715 21000
34 2265 34440

Minnesota
Bloomington city
Brooklyn Park city
Burnsville city
Coon Rapids city
Duluth city
Minneapolis city
Plymouth city
Rochester city
St. Paul city

Mississippi
Jackson city

Missouri
Columbia city
Florissant city
Independence city
Kansas City city
St. Charles city
St. Joseph city
St. Louis city
Springfield city

Montana
Billings city
Great Falls city

Nebraska
Lincoln city
Omaha city

Nevada
Henderson city
Las Vegas city
Paradise CDP
Reno city
Sparks city
Spring Valley CDP
Sunrise Manor CDP

New Hampshire
Manchester city
Nashua city

New Jersey
Bayonne city
Brick Township CDP
Camden city
Cherry Hill CDP
Clifton city
East Orange city
Edison CDP
Elizabeth city
Irvington CDP

CEN FIPS
ST PLAC PLACE

34 2290 36000
34 2895 51000
34 3110 56550
34 3115 57000
34 3770 74000
34 3787 74510
34 3802 74630
34 3870 76070

35
35 0015 02000
35 0220 39380
35 0360 70500

36
36 0030 01000
36 0325 06607
36 0450 11000
36 0655 15000
36 1733 37737
36 1950 42081
36 2390 49121
36 2495 50617
36 2505 51000
36 2515 51055
36 3100 63000
36 3285 65508
36 3565 73000
36 3612 74183
36 3625 75484
36 3690 76540
36 4075 84000

37
37 0095 02140
37 0480 12000
37 0750 19000
37 0910 22920
37 0990 25580
37 1065 28000
37 1195 31400
37 2020 55000
37 2755 74440
37 2785 75000

38
38 0545 25700

39
39 0035 01000
39 0705 12000
39 0865 15000
39 0900 16000
39 0905 16014
39 0960 18000

NAME

Jersey City city
Newark city
Passaic city
Paterson city
Trenton city
Union CDP
Union City city
Vineland city

New Mexico
Albuquerque city
Las Cruces city
Santa Fe city

New York
Albany city
Binghamton city
Buffalo city
Cheektowaga CDP
Irondequoit CDP
Levittown CDP
Mount Vernon city
New Rochelle city
New York city
Niagara Falls city
Rochester city
Schenectady city
Syracuse city
Tonawanda CDP
Troy city
Utica city
Yonkers city

North Carolina
Asheville city
Charlotte city
Durham city
Fayetteville city
Gastonia city
Greensboro city
High Point city
Raleigh city
Wilmington city
Winston-Salem city

North Dakota
 Fargo city

Ohio
Akron city
Canton city
Cincinnati city
Cleveland city
Cleveland Heights city
Columbus city

CEN FIPS
ST PLAC PLACE

39 1110 21000
39 1300 25256
39 1320 25704
39 1705 33012
39 2025 40040
39 2120 41664
39 2285 44856
39 2440 47138
39 3360 61000
39 4100 74118
39 4265 77000
39 4480 80892
39 4845 88000

40
40 0290 09050
40 0755 23200
40 1405 41850
40 1630 48350
40 1755 52500
40 1815 55000
40 2465 75000

41
41 0095 05350
41 0360 23850
41 0465 31250
41 0905 59000
41 1005 64900

42
42 0165 02000
42 0190 02184
42 0855 06088
42 3685 24000
42 4920 32800
42 5624 41216
42 5795 42928
42 7138 59040
42 7180 60000
42 7234 61000
42 7418 63624
42 7698 69000

44
44 0090 19180
44 0120 22960
44 0380 54640
44 0400 59000
44 0500 74300

45
45 0245 13330
45 0305 16000
45 0565 30850

NAME

Dayton city
Elyria city
Euclid city
Hamilton city
Kettering city
Lakewood city
Lorain city
Mansfield city
Parma city
Springfield city
Toledo city
Warren city
Youngstown city

Oklahoma
Broken Arrow city
Edmond city
Lawton city
Midwest City city
Norman city
Oklahoma City city
Tulsa city

Oregon
Beaverton city
Eugene city
Gresham city
Portland city
Salem city

Pennsylvania
Allentown city
Altoona city
Bethlehem city
Erie city
Harrisburg city
Lancaster city
Levittown CDP
Penn Hills CDP
Philadelphia city
Pittsburgh city
Reading city
Scranton city

Rhode Island
Cranston city
East Providence city
Pawtucket city
Providence city
Warwick city

South Carolina
Charleston city
Columbia city
Greenville city

CEN FIPS
ST PLAC PLACE

45 0987 50875

North Charleston city

46

South Dakota

46 1125 52980

Rapid City city

46 1225 59020

Sioux Falls city

47

Tennessee

47 0245 14000

Chattanooga city

47 0250 15160

Clarksville city

47 0760 40000

Knoxville city

47 0940 48000

Memphis city

47 1016 52006

Nashville-Davidson
(remainder)

48

Texas

48 0015 01000

Ablene city

48 0100 03000

Amarillo city

48 0175 04000

Arlington city

48 0210 05000

Austin city

48 0315 06128

Baytown city

48 0320 07000

Beaumont city

48 0595 10768

Brownsville city

48 0610 10912

Bryan city

48 0740 13024

Carrollton city

48 0905 15976

College Station city

48 0980 17000

Corpus Christi city

48 1085 19000

Dallas city

48 1140 19972

Denton city

48 1340 24000

El Paso city

48 1500 27000

Fort Worth city

48 1570 28068

Galveston city

48 1580 29000

Garland city

48 1695 30464

Grand Prairie city

48 1975 35000

Houston city

48 2060 37000

Irving city

48 2230 39148

Killeen city

48 2400 41464

Laredo city

48 2530 43888

Longview city

48 2565 45000

Lubbock city

48 2595 45384

McAllen city

48 2795 47892

Mesquite city

48 2810 48072

Midland city

48 3080 53388

Odessa city

48 3200 56000

Pasadena city

48 3310 58016

Plano city

48 3335 58820

Port Arthur city

48 3520 61796

Richardson city

48 3740 64472

San Angelo city

48 3745 65000

San Antonio city

48 4350 74144

Tyler city

48 4405 75428

Victoria city

48 4415 76000

Waco city

48 4605 79000

Wichita Falls city

49

Utah

49 0695 55980

Ogden city

49 0720 57300

Orem city

CEN FIPS
ST PLAC PLACE

49 0800 62470

Provo city

49 0870 67000

Salt Lake City city

49 0875 67550

Sandy city

49 0987 75375

Taylorville-Bennion CDP

49 1082 83445

West Valley City city

51

Virginia

51 0025 01000

Alexandria city

51 0042 01912

Annandale CDP

51 0056 03000

Arlington CDP

51 0194 11464

Burke CDP

51 0242 16000

Chesapeake city

51 0370 21344

Danville city

51 0590 35000

Hampton city

51 0760 47672

Lynchburg city

51 0860 56000

Newport News city

51 0875 57000

Norfolk city

51 0990 64000

Portsmouth city

51 1035 67000

Richmond city

51 1045 68000

Roanoke city

51 1200 76432

Suffolk city

51 1280 82000

Virginia Beach city

53

Washington

53 0075 05210

Bellevue city

53 0080 05280

Bellingham city

53 0420 22640

Everett city

53 0443 23515

Federal Way CDP

53 0665 38038

Lakewood CDP

53 1140 63000

Seattle city

53 1220 67000

Spokane city

53 1280 70000

Tacoma city

53 1485 80010

Yakima city

54

West Virginia

54 0280 14600

Charleston city

54 0760 39460

Huntington city

55

Wisconsin

55 0080 02375

Appleton city

55 0770 22300

Eau Claire city

55 1055 31000

Green Bay city

55 1235 37825

Janesville city

55 1280 39225

Kenosha city

55 1325 40775

La Crosse city

55 1475 48000

Madison city

55 1645 53000

Milwaukee city

55 1930 60500

Oshkosh city

55 2105 66000

Racine city

55 2665 84250

Waukesha city

55 2720 85300

West Allis city

56

Wyoming

56 0050 13900

Cheyenne city

**METROPOLITAN AREAS (MSAs, CMSAs, and PMSAs)
CODES, TITLES, AND COMPONENTS as of JUNE 1990**

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
0040		48	441		Ablene, TX MSA (C) Taylor County	
0060		72	003		Aguadilla, PR MSA (C) Aguada Municipio	
		72	005		Aguadilla Municipio	
		72	071		Isabela Municipio	
		72	099		Moca Municipio	
0080	(28)				Akron, OH PMSA (B) See Cleveland-Akron-Lorain CMSA	Barberton, Kent
0120		13	095		Albany, GA MSA (C) Dougherty County	
		13	177		Lee County	
0160		36	001		Albany-Schenectady-Troy, NY MSA (B) Albany County	
		36	039		Greene County	
		36	057		Montgomery County	
		36	083		Rensselaer County	
		36	091		Saratoga County	
		36	093		Schenectady County	
0200		35	001		Albuquerque, NM MSA (B) Bernalillo County	
0220		22	079		Alexandria, LA MSA (C) Rapides Parish	
0240		42			Allentown-Bethlehem-Easton, PA-NJ MSA (B) Pennsylvania portion	
		42	025		Carbon County	
		42	077		Lehigh County	
		42	095		Northampton County	
		34			New Jersey portion	
		34	041		Warren County	
0280		42	013		Altoona, PA MSA (C) Blair County	
0320		48	375		Amarillo, TX MSA (C) Potter County	
		48	381		Randall County	
0360	(49)				Anaheim-Santa Ana, CA PMSA (A) See Los Angeles-Anaheim-Riverside CMSA	
0380		02	020		Anchorage, AK MSA (C) Anchorage Borough	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
0400		18	095		Anderson, IN MSA (C) Madison County	
0405		45	007		Anderson, SC MSA (C) Anderson County	
0440	(35)				Ann Arbor, MI PMSA (B) See Detroit-Ann Arbor CMSA	
0450		01	015		Anniston, AL MSA (C) Calhoun County	
0460		55	015		Appleton-Oshkosh-Neenah, WI MSA (B) Calumet County	
		55	087		Outagamie County	
		55	139		Winnebago County	
0470		72	013		Arecibo, PR MSA (C) Arecibo Municipio	
		72	027		Camuy Municipio	
		72	065		Hatillo Municipio	
		72	115		Quebradillas Municipio	
0480		37	021		Asheville, NC MSA (C) Buncombe County	
0500		13	059		Athens, GA MSA (C) Clarke County	
		13	157		Jackson County	
		13	195		Madison County	
		13	219		Oconee County	
0520		13	013		Atlanta, GA MSA (A) Barrow County	Marietta
		13	035		Butts County	
		13	057		Cherokee County	
		13	063		Clayton County	
		13	067		Cobb County	
		13	077		Coweta County	
		13	089		DeKalb County	
		13	097		Douglas County	
		13	113		Fayette County	
		13	117		Forsyth County	
		13	121		Fulton County	
		13	135		Gwinnett County	
		13	151		Henry County	
		13	217		Newton County	
		13	223		Paulding County	
		13	247		Rockdale County	
		13	255		Spalding County	
		13	297		Walton County	

MSA/ CMSA/ 2-Digit PMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
0560	34	001		Atlantic City, NJ MSA (B)	
	34	009		Atlantic County Cape May County	
0600	13			Augusta, GA-SC MSA (B)	
	13	073		Georgia portion Columbia County	
	13	189		McDuffie County	
	13	245		Richmond County	
	45			South Carolina portion	
	45	003		Alken County	
0620	(14)			Aurora-Elgin, IL PMSA (B) See Chicago-Gary-Lake County CMSA	
0640	48	209		Austin, TX MSA (B)	
	48	453		Hays County	
	48	491		Travis County Williamson County	
0680	06	029		Bakersfield, CA MSA (B) Kern County	
0720	24	003		Baltimore, MD MSA (A)	Annapolis
	24	005		Anne Arundel County	
	24	013		Baltimore County	
	24	025		Carroll County	
	24	027		Harford County	
	24	035		Howard County	
	24	510		Queen Anne's County Baltimore city	
0730	23	019		Bangor, ME MSA (D)	
	23	019	010/02795	Penobscot County (part) Bangor city	
	23	019	025/06925	Brewer city	
	23	019	090/22535	Eddington town	
	23	019	120/27645	Glenburn town	
	23	019	140/30795	Hampden town	
	23	019	145/32510	Herron town	
	23	019	150/33490	Holden town	
	23	019	165/36325	Kenduskeag town	
	23	019	240/55225	Old Town city	
	23	019	245/55540	Orono town	
	23	019	250/55680	Orrington town	
	23	019	262/57955	Penobscot Indian Island Indian Reservation	
	23	019	295/78780	Veazie town	
	23	027		Waldo County (part)	
	23	027	130/86760	Winterport town	
0760	22	005		Baton Rouge, LA MSA (B)	
	22	033		Ascension Parish East Baton Rouge Parish	

MSA/ CMSA/ PMSA	2-Digit CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		22	063		Livingston Parish	
		22	121		West Baton Rouge Parish	
0780		26	025		Battle Creek, MI MSA (C) Calhoun County	
0840		48	199		Beaumont-Port Arthur, TX MSA (B) Hardin County	
		48	245		Jefferson County	
		48	361		Orange County	
0845	(78)				Beaver County, PA PMSA (C) See Pittsburgh-Beaver Valley CMSA	(no central city)
0860		53	073		Bellingham, WA MSA (C) Whatcom County	
0870		26	021		Benton Harbor, MI MSA (C) Berrien County	
0875	(70)				Bergen-Passaic, NJ PMSA (A) See New York-Northern New Jersey- Long Island CMSA	Paterson (only)
0880		30	111		Billings, MT MSA (C) Yellowstone County	
0920		28	045		Biloxi-Gulfport, MS MSA (C) Hancock County	
		28	047		Harrison County	
0960		36	007		Binghamton, NY MSA (B) Broome County	
		36	107		Tioga County	
1000		01	009		Birmingham, AL MSA (B) Blount County	Bessemer
		01	073		Jefferson County	
		01	115		St. Clair County	
		01	117		Shelby County	
		01	127		Walker County	
1010		38	015		Bismarck, ND MSA (D) Burleigh County	
		38	059		Morton County	
1020		18	105		Bloomington, IN MSA (D) Monroe County	
1040		17	113		Bloomington-Normal, IL MSA (C) McLean County	
1080		16	001		Boise City, ID MSA (C) Ada County	

MSA/ CMSA/ 2-Digit PMSA CMSA State County MCD	Title and Geographic Components*	Additional Central City(s)*
1120 (07)	Boston, MA PMSA (A) See Boston-Lawrence-Salem CMSA	Cambridge, Framingham, Lynn, Waltham
1122 07	Boston-Lawrence-Salem, MA-NH CMSA	Brockton, Cambridge, Framingham, Gloucester, Haverhill, Lowell, Lynn, Nashua, Waltham
1120	Boston, MA PMSA (A)	Cambridge, Framingham, Lynn, Waltham
25 005	Bristol County (part)	
25 005 050/38225	Mansfield town	
25 005 065/49970	Norton town	
25 005 070/56060	Raynham town	
25 009	Essex County (part)	
25 009 070/37490	Lynn city	
25 009 075/37560	Lynnfield town	
25 009 105/43580	Nahant town	
25 009 150/60015	Saugus town	
25 017	Middlesex County (part)	
25 017 005/00380	Acton town	
25 017 010/01605	Arlington town	
25 017 020/02130	Ashland town	
25 017 025/03005	Ayer town	
25 017 030/04615	Bedford town	
25 017 035/05070	Belmont town	
25 017 045/07350	Boxborough town	
25 017 050/09840	Burlington town	
25 017 055/11000	Cambridge city	
25 017 060/11525	Carlisle town	
25 017 070/15060	Concord town	
25 017 085/21990	Everett city	
25 017 090/24925	Framingham town	
25 017 095/27480	Groton town	
25 017 100/30700	Holliston town	
25 017 105/31085	Hopkinton town	
25 017 110/31540	Hudson town	
25 017 115/35215	Lexington town	
25 017 120/35425	Lincoln town	
25 017 125/35950	Littleton town	
25 017 135/37875	Malden city	
25 017 140/38715	Marlborough city	
25 017 145/39625	Maynard town	
25 017 150/39835	Medford city	
25 017 155/40115	Melrose city	
25 017 160/43895	Natick town	
25 017 165/45560	Newton city	
25 017 170/48955	North Reading town	
25 017 180/56130	Reading town	
25 017 185/61380	Sherborn town	
25 017 190/61590	Shirley town	
25 017 195/62535	Somerville city	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
25	017			200/67665	Stoneham town	
25	017			205/68050	Stow town	
25	017			210/68260	Sudbury town	
25	017			220/70360	Townsend town	
25	017			230/72215	Wakefield town	
25	017			235/72600	Waltham city	
25	017			240/73405	Watertown town	
25	017			245/73790	Wayland town	
25	017			255/77255	Weston town	
25	017			260/80230	Wilmington town	
25	017			265/80510	Winchester town	
25	017			270/81035	Woburn city	
25	021				Norfolk County (part)	
25	021			010/04930	Bellingham town	
25	021			015/07665	Braintree town	
25	021			020/09175	Brookline town	
25	021			025/11315	Canton town	
25	021			030/14640	Cohasset town	
25	021			035/16495	Dedham town	
25	021			040/17405	Dover town	
25	021			045/24820	Foxborough town	
25	021			050/25065	Franklin town	
25	021			055/30455	Holbrook town	
25	021			060/39765	Medfield town	
25	021			065/39975	Medway town	
25	021			070/41515	Millis town	
25	021			075/41690	Milton town	
25	021			080/44105	Needham town	
25	021			085/46050	Norfolk town	
25	021			090/50250	Norwood town	
25	021			100/55745	Quincy city	
25	021			105/55955	Randolph town	
25	021			110/60785	Sharon town	
25	021			115/67945	Stoughton town	
25	021			120/72495	Walpole town	
25	021			125/74175	Wellesley town	
25	021			130/78690	Westwood town	
25	021			135/78865	Weymouth town	
25	021			140/82315	Wrentham town	
25	023				Plymouth County (part)	
25	023			020/11665	Carver town	
25	023			025/17895	Duxbury town	
25	023			040/28285	Hanover town	
25	023			045/28495	Hanson town	
25	023			050/30210	Hingham town	
25	023			055/31645	Hull town	
25	023			060/33220	Kingston town	
25	023			065/33920	Lakeville town	
25	023			075/38855	Marshfield town	
25	023			085/40850	Middleborough town	
25	023			090/50145	Norwell town	
25	023			095/52630	Pembroke town	
25	023			100/54310	Plymouth town	
25	023			105/54415	Plympton town	

MSA/
CMSA/ 2-Digit
PMSA CMSA State County MCD

Title and Geographic Components*

Additional
Central City(s)*

	25	023	115/57775	Rockland town	
	25	023	120/60330	Scituate town	
	25	025		Suffolk County	
	25	025	005/07000	Boston city	
	25	025	010/13205	Chelsea city	
	25	025	015/56585	Revere city	
	25	025	020/80930	Winthrop town	
	25	027		Worcester County (part)	
	25	027	025/05490	Berlin town	
	25	027	035/06365	Bolton town	
	25	027	095/28950	Harvard town	
	25	027	105/30945	Hopedale town	
	25	027	115/34165	Lancaster town	
	25	027	135/40255	Mendon town	
	25	027	140/41165	Milford town	
	25	027	220/63165	Southborough town	
	25	027	255/71480	Upton town	
1200				Brockton, MA PMSA (C)	
	25	005		Bristol County (part)	
	25	005	030/20100	Easton town	
	25	021		Norfolk County (part)	
	25	021	005/02935	Avon town	
	25	023		Plymouth County (part)	
	25	023	005/00170	Abington town	
	25	023	010/08085	Bridgewater town	
	25	023	015/09000	Brockton city	
	25	023	030/18455	East Bridgewater town	
	25	023	035/27795	Halifax town	
	25	023	130/75260	West Bridgewater town	
	25	023	135/79530	Whitman town	
4160				Lawrence-Haverhill, MA-NH PMSA (B)	
	25			Massachusetts portion	
	25	009		Essex County (part)	
	25	009	005/01185	Amesbury town	
	25	009	010/01465	Andover town	
	25	009	020/07420	Boxford town	
	25	009	035/25625	Georgetown town	
	25	009	045/27620	Groveland town	
	25	009	055/29405	Haverhill city	
	25	009	065/34550	Lawrence city	
	25	009	090/40430	Merrimac town	
	25	009	095/40675	Methuen town	
	25	009	110/45175	Newbury town	
	25	009	115/45245	Newburyport city	
	25	009	120/46365	North Andover town	
	25	009	145/59245	Salisbury town	
	25	009	170/77150	West Newbury town	
	33			New Hampshire portion	
	33	015		Rockingham County (part)	
	33	015	005/02340	Atkinson town	
	33	015	015/07220	Brentwood town	
	33	015	030/17140	Danville town	
	33	015	040/17940	Derry town	
	33	015	045/21380	East Kingston town	

MSA/ CMSA/ 2-Digit PMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
	33	015	070/32900	Hampstead town	
	33	015	090/40100	Kingston town	
	33	015	120/52900	Newton town	
	33	015	140/62500	Plaistow town	
	33	015	160/66660	Salem town	
	33	015	165/67620	Sandown town	
	33	015	170/68260	Seabrook town	
	33	015	185/85780	Windham town	
4560				Lowell, MA-NH PMSA (C)	
	25			Massachusetts portion	
	25	017		Middlesex County (part)	
	25	017	040/05805	Billerica town	
	25	017	065/13135	Chelmsford town	
	25	017	075/17475	Dracut town	
	25	017	080/17825	Dunstable town	
	25	017	130/37000	Lowell city	
	25	017	175/52805	Pepperell town	
	25	017	215/69415	Tewksbury town	
	25	017	225/71025	Tyngsborough town	
	25	017	250/76135	Westford town	
	33			New Hampshire portion	
	33	011		Hillsborough County (part)	
	33	011	125/59940	Pelham town	
5350				Nashua, NH PMSA (C)	
	33	011		Hillsborough County (part)	
	33	011	005/01300	Amherst town	
	33	011	025/08100	Brookline town	
	33	011	065/37140	Hollis town	
	33	011	070/37940	Hudson town	
	33	011	075/42260	Litchfield town	
	33	011	095/47540	Merrimack town	
	33	011	100/48020	Milford town	
	33	011	105/49140	Mont Vernon town	
	33	011	110/50260	Nashua city	
	33	011	150/85220	Wilton town	
	33	015		Rockingham County (part)	
	33	015	095/43220	Londonderry town	
7090				Salem-Gloucester, MA PMSA (B)	
	25	009		Essex County (part)	
	25	009	015/05595	Beverly city	
	25	009	025/16250	Danvers town	
	25	009	030/21850	Essex town	
	25	009	040/26150	Gloucester city	
	25	009	050/27900	Hamilton town	
	25	009	060/32310	Ipswich town	
	25	009	080/37945	Manchester town	
	25	009	085/38400	Marblehead town	
	25	009	100/41095	Middleton town	
	25	009	125/52490	Peabody city	
	25	009	130/57880	Rockport town	
	25	009	135/58405	Rowley town	
	25	009	140/59105	Salem city	
	25	009	155/68645	Swampscott town	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		25	009	160/70150	Topsfield town	
		25	009	165/74595	Wenham town	
1125	(34)				Boulder-Longmont, CO PMSA (C) See Denver-Boulder CMSA	
1140		12	081		Bradenton, FL MSA (C) Manatee County	
1145	(42)				Brazoria, TX PMSA (C) See Houston-Galveston-Brazoria CMSA	(no central city)
1150		53	035		Bremerton, WA MSA (C) Kitsap County	
1160	(70)				Bridgeport-Milford, CT PMSA (B) See New York-Northern New Jersey- Long Island CMSA	
1170	(41)				Bristol, CT PMSA (D) See Hartford-New Britain-Middletown CMSA	
1200	(07)				Brockton, MA PMSA (C) See Boston-Lawrence-Salem CMSA	
1240		48	061		Brownsville-Harlingen, TX MSA (C) Cameron County	
1260		48	041		Bryan-College Station, TX MSA (D) Brazos County	
1280	(10)				Buffalo, NY PMSA (A) See Buffalo-Niagara Falls CMSA	
1282	10				Buffalo-Niagara Falls, NY CMSA	
1280		36	029		Buffalo, NY PMSA (A) Erie County	
5700		36	063		Niagara Falls, NY PMSA (C) Niagara County	
1300		37	001		Burlington, NC MSA (D) Alamance County	
1305		50	007		Burlington, VT MSA (C) Chittenden County (part)	
		50	007	015/10675	Burlington city	
		50	007	020/13300	Charlotte town	
		50	007	025/14875	Colchester town	
		50	007	030/24175	Essex town	
		50	007	035/33475	Hinesburg town	
		50	007	045/36700	Jericho town	
		50	007	050/45250	Milton town	
		50	007	055/59275	Richmond town	
		50	007	060/62050	St. George town	

MSA/ CMSA/ PMSA	2-Digit CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		50	007	065/64300	Shelburne town	
		50	007	070/66175	South Burlington city	
		50	007	085/84475	Williston town	
		50	007	090/85150	Winooski city	
		50	011		Franklin County (part)	
		50	011	045/27700	Georgia town	
		50	013		Grand Isle County (part)	
		50	013	010/29275	Grand Isle town	
		50	013	025/67000	South Hero town	
1310	(87)				Caguas, PR PMSA (B) See San Juan-Caguas CMSA	
1320		39	019		Canton, OH MSA (B) Carroll County	Alliance, Massillon
		39	151		Stark County	
1350		56	025		Casper, WY MSA (D) Natrona County	
1360		19	113		Cedar Rapids, IA MSA (C) Linn County	
1400		17	019		Champaign-Urbana-Rantoul, IL MSA (C) Champaign County	
1440		45	015		Charleston, SC MSA (B) Berkeley County	
		45	019		Charleston County	
		45	035		Dorchester County	
1480		54	039		Charleston, WV MSA (B) Kanawha County	
		54	079		Putnam County	
1520		37			Charlotte-Gastonia-Rock Hill, NC-SC MSA (B) North Carolina portion	Kannapolis
		37	025		Cabarrus County	
		37	071		Gaston County	
		37	109		Lincoln County	
		37	119		Mecklenburg County	
		37	159		Rowan County	
		37	179		Union County	
		45			South Carolina portion	
		45	091		York County	
1540		51	003		Charlottesville, VA MSA (C) Albemarle County	
		51	065		Fluvanna County	
		51	079		Greene County	
		51	540		Charlottesville city	

MSA/ CMSA/ PMSA	2-Digit CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
1560					Chattanooga, TN-GA MSA (B)	
		47			Tennessee portion	
		47	065		Hamilton County	
		47	115		Marion County	
		47	153		Sequatchie County	
		13			Georgia portion	
		13	047		Catoosa County	
		13	083		Dade County	
		13	295		Walker County	
1580					Cheyenne, WY MSA (D)	
		56	021		Laramie County	
1600	(14)				Chicago, IL PMSA (A) See Chicago-Gary-Lake County CMSA	Chicago Heights, Evanston
1602		14			Chicago-Gary-Lake County (IL) +, IL-IN-WI CMSA	Aurora, Chicago Heights, East Chicago, Elgin, Evanston, Joliet Kenosha, North Chicago, Waukegan ("Lake County" is not a central city)
0620					Aurora-Elgin, IL PMSA (B)	
		17	089		Kane County	
		17	093		Kendall County	
1600					Chicago, IL PMSA (A)	Chicago Heights, Evanston
		17	031		Cook County	
		17	043		DuPage County	
		17	111		McHenry County	
2960					Gary-Hammond, IN PMSA (B)	East Chicago
		18	089		Lake County	
		18	127		Porter County	
3690					Joliet, IL PMSA (B)	
		17	063		Grundy County	
		17	197		Will County	
3800					Kenosha, WI PMSA (C)	
		55	059		Kenosha County	
3965					Lake County, IL PMSA (B)	North Chicago, Waukegan (only)
		17	097		Lake County	
1620					Chico, CA MSA (C)	
		06	007		Butte County	
1640	(21)				Cincinnati, OH-KY-IN PMSA (A) See Cincinnati-Hamilton CMSA	
1642		21			Cincinnati-Hamilton, OH-KY-IN CMSA	Middletown
1640					Cincinnati, OH-KY-IN PMSA (A)	
		39			Ohio portion	
		39	025		Clermont County	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		39	061		Hamilton County	
		39	165		Warren County	
		21			Kentucky portion	
		21	015		Boone County	
		21	037		Campbell County	
		21	117		Kenton County	
		18			Indiana portion	
		18	029		Dearborn County	
3200					Hamilton-Middletown, OH PMSA (B)	
		39	017		Butler County	
1660					Clarksville-Hopkinsville, TN-KY MSA (C)	
		47			Tennessee portion	
		47	125		Montgomery County	
		21			Kentucky portion	
		21	047		Christian County	
1680	(28)				Cleveland, OH PMSA (A)	
					See Cleveland-Akron-Lorain CMSA	
1692	28				Cleveland-Akron-Lorain, OH CMSA	Barberton, Elyria, Kent
0080					Akron, OH PMSA (B)	Barberton, Kent
		39	133		Portage County	
		39	153		Summit County	
1680					Cleveland, OH PMSA (A)	
		39	035		Cuyahoga County	
		39	055		Geauga County	
		39	085		Lake County	
		39	103		Medina County	
4440					Lorain-Elyria, OH PMSA (B)	
		39	093		Lorain County	
1720					Colorado Springs, CO MSA (B)	
		08	041		El Paso County	
1740					Columbia, MO MSA (C)	
		29	019		Boone County	
1760					Columbia, SC MSA (B)	
		45	063		Lexington County	
		45	079		Richland County	
1800					Columbus, GA-AL MSA (C)	
		13			Georgia portion	
		13	053		Chattahoochee County	
		13	215		Muscogee County	
		01			Alabama portion	
		01	113		Russell County	
1840					Columbus, OH MSA (A)	Lancaster, Newark
		39	041		Delaware County	
		39	045		Fairfield County	
		39	049		Franklin County	

MSA/ CMSA/ PMSA	2-Digit CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		39	089		Licking County	
		39	097		Madison County	
		39	129		Pickaway County	
		39	159		Union County	
1880					Corpus Christi, TX MSA (B)	
		48	355		Nueces County	
		48	409		San Patricio County	
1900					Cumberland, MD-WV MSA (C)	
		24			Maryland portion	
		24	001		Allegany County	
		54			West Virginia portion	
		54	057		Mineral County	
1920	(31)				Dallas, TX PMSA (A)	Denton, Irving
					See Dallas-Fort Worth CMSA	
1922		31			Dallas-Fort Worth, TX CMSA	Arlington, Denton, Irving
1920					Dallas, TX PMSA (A)	Denton, Irving
		48	085		Collin County	
		48	113		Dallas County	
		48	121		Denton County	
		48	139		Ellis County	
		48	257		Kaufman County	
		48	397		Rockwall County	
2800					Fort Worth-Arlington, TX PMSA (B)	
		48	251		Johnson County	
		48	367		Parker County	
		48	439		Tarrant County	
1930	(70)				Danbury, CT PMSA (C)	
					See New York-Northern New Jersey- Long Island CMSA	
1950					Danville, VA MSA (C)	
		51	143		Pittsylvania County	
		51	590		Danville city	
1960					Davenport-Rock Island-Moline, IA-IL MSA (B)	
		19			Iowa portion	
		19	163		Scott County	
		17			Illinois portion	
		17	073		Henry County	
		17	161		Rock Island County	
2000					Dayton-Springfield, OH MSA (B)	
		39	023		Clark County	
		39	057		Greene County	
		39	109		Miami County	
		39	113		Montgomery County	
2020					Daytona Beach, FL MSA (B)	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
2030		12	127		Volusia County	
		01	079		Decatur, AL MSA (C)	
		01	103		Lawrence County	
					Morgan County	
2040					Decatur, IL MSA (C)	
		17	115		Macon County	
2080	(34)				Denver, CO PMSA (A)	
					See Denver-Boulder CMSA	
2082	34				Denver-Boulder, CO CMSA	Longmont
1125					Boulder-Longmont, CO PMSA (C)	
		08	013		Boulder County	
2080					Denver, CO PMSA (A)	
		08	001		Adams County	
		08	005		Arapahoe County	
		08	031		Denver County	
		08	035		Douglas County	
		08	059		Jefferson County	
2120					Des Moines, IA MSA (B)	
		19	049		Dallas County	
		19	153		Polk County	
		19	181		Warren County	
2160	(35)				Detroit, MI PMSA (A)	Dearborn, Pontiac, Port Huron
					See Detroit-Ann Arbor CMSA	
2162	35				Detroit-Ann Arbor, MI CMSA	Dearborn, Pontiac, Port Huron
0440					Ann Arbor, MI PMSA (B)	
		26	161		Washtenaw County	
2160					Detroit, MI PMSA (A)	Dearborn, Pontiac, Port Huron
		26	087		Lapeer County	
		26	093		Livingston County	
		26	099		Macomb County	
		26	115		Monroe County	
		26	125		Oakland County	
		26	147		St. Clair County	
		26	163		Wayne County	
2180					Dothan, AL MSA (C)	
		01	045		Dale County	
		01	069		Houston County	
2200					Dubuque, IA MSA (D)	
		19	061		Dubuque County	
2240					Duluth, MN-WI MSA (B)	Superior (WI)
		27			Minnesota portion	
		27	137		St. Louis County	
		55			Wisconsin portion	
		55	031		Douglas County	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
2290		55	017		Eau Claire, WI MSA (C) Chippewa County	
		55	035		Eau Claire County	
2320		48	141		El Paso, TX** MSA (B) El Paso County	
2330		18	039		Elkhart-Goshen, IN MSA (C) Elkhart County	
2335		36	015		Elmira, NY MSA (D) Chemung County	
2340		40	047		Enid, OK MSA (D) Garfield County	
2360		42	049		Erie, PA MSA (B) Erie County	
2400		41	039		Eugene-Springfield, OR MSA (B) Lane County	
2440		18			Evansville, IN-KY MSA (B) Indiana portion	Henderson, (KY)
		18	129		Posey County	
		18	163		Vanderburgh County	
		18	173		Warrick County	
		21			Kentucky portion	
		21	101		Henderson County	
2480	(80)				Fall River, MA-RI PMSA (C) See Providence-Pawtucket-Fall River CMSA	
2520		38			Fargo-Moorhead, ND-MN MSA (C) North Dakota portion	
		38	017		Cass County	
		27			Minnesota portion	
		27	027		Clay County	
2560		37	051		Fayetteville, NC MSA (C) Cumberland County	
2580		05	143		Fayetteville-Springdale, AR MSA (C) Washington County	
2600		25	017		Fitchburg-Leominster, MA MSA (D) Middlesex County (part)	
		25	017	015/01955	Ashby town	
		25	027		Worcester County (part)	
		25	027	005/01885	Ashburnham town	
		25	027	075/23875	Fitchburg city	
		25	027	125/35075	Leominster city	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		25	027	130/37420	Lunenburg town	
		25	027	290/77010	Westminster town	
2640		26	049		Flint, MI MSA (B) Genesee County	
2650		01	033		Florence, AL MSA (C) Colbert County	
		01	077		Lauderdale County	
2655		45	041		Florence, SC MSA (C) Florence County	
2670		08	069		Fort Collins-Loveland, CO MSA (C) Larimer County	
2680	(56)				Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA (A) See Miami-Fort Lauderdale CMSA	
2700		12	071		Fort Myers-Cape Coral, FL MSA (C) Lee County	
2710		12	085		Fort Pierce, FL MSA (C) Martin County	
		12	111		St. Lucie County	
2720		05			Fort Smith, AR-OK MSA (C) Arkansas portion	
		05	033		Crawford County	
		05	131		Sebastian County	
		40			Oklahoma portion	
		40	135		Sequoyah County	
2750		12	091		Fort Walton Beach, FL MSA (C) Okaloosa County	
2760		18	003		Fort Wayne, IN MSA (B) Allen County	
		18	033		De Kalb County	
		18	183		Whitley County	
2800	(31)				Fort Worth-Arlington, TX PMSA (B) See Dallas-Fort Worth CMSA	
2840		06	019		Fresno, CA MSA (B) Fresno County	
2880		01	055		Gadsden, AL MSA (C) Etowah County	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
2900		12	001		Gainesville, FL MSA (C) Alachua County Bradford County	
		12	007			
2920	(42)				Galveston-Texas City, TX PMSA (C) See Houston-Galveston-Brazoria CMSA	
2960	(14)				Gary-Hammond, IN PMSA (B) See Chicago-Gary-Lake County CMSA	East Chicago
2975		36	113		Glens Falls, NY MSA (C) Warren County	
		36	115		Washington County	
2985		38	035		Grand Forks, ND MSA (D) Grand Forks County	
3000		26	081		Grand Rapids, MI MSA (B) Kent County	Holland
		26	139		Ottawa County	
3040		30	013		Great Falls, MT MSA (D) Cascade County	
3060		08	123		Greeley, CO MSA (C) Weld County	
3080		55	009		Green Bay, WI MSA (C) Brown County	
3120		37	057		Greensboro--Winston-Salem--High Point, NC MSA (B) Davidson County	
		37	059		Davie County	
		37	067		Forsyth County	
		37	081		Gulford County	
		37	151		Randolph County	
		37	169		Stokes County	
		37	197		Yadkin County	
3160		45	045		Greenville-Spartanburg, SC MSA (B) Greenville County	
		45	077		Pickens County	
		45	083		Spartanburg County	
3180		24	043		Hagerstown, MD MSA (C) Washington County	
3200	(21)				Hamilton-Middletown, OH PMSA (B) See Cincinnati-Hamilton CMSA	
3240		42	041		Harrisburg-Lebanon-Carlisle, PA MSA (B) Cumberland County	
		42	043		Dauphin County	

MSA/ CMSA/ PMSA	2-Digit CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		42	075		Lebanon County	
		42	099		Perry County	
3280	(41)				Hartford, CT PMSA (B) See Hartford-New Britain-Middletown CMSA	
3282 1170	41				Hartford-New Britain-Middletown, CT CMSA Bristol, CT PMSA (D)	Bristol
		09	003		Hartford County (part)	
		09	003	020/08490	Bristol town/city	
		09	003	025/10100	Burlington town	
		09	005		Litchfield County (part)	
		09	005	080/60750	Plymouth town	
3280					Hartford, CT PMSA (B)	
		09	003		Hartford County (part)	
		09	003	005/02060	Avon town	
		09	003	015/05910	Bloomfield town	
		09	003	030/12270	Canton town	
		09	003	035/22070	East Granby town	
		09	003	040/22630	East Hartford town	
		09	003	045/24800	East Windsor town	
		09	003	050/25990	Enfield town	
		09	003	055/27600	Farmington town	
		09	003	060/31240	Glastonbury town	
		09	003	065/32640	Granby town	
		09	003	070/37070	Hartford town/city	
		09	003	080/44700	Manchester town	
		09	003	085/45820	Marlborough town	
		09	003	095/52140	Newington town	
		09	003	105/65370	Rocky Hill town	
		09	003	110/68940	Simsbury town	
		09	003	120/71390	South Windsor town	
		09	003	125/74540	Suffield town	
		09	003	130/82590	West Hartford town	
		09	003	135/84900	Wethersfield town	
		09	003	150/87000	Windsor town	
		09	003	155/87070	Windsor Locks town	
		09	005		Litchfield County (part)	
		09	005	005/02760	Barkhamsted town	
		09	005	060/51350	New Hartford town	
		09	007		Middlesex County (part)	
		09	007	030/22280	East Haddam town	
		09	011		New London County (part)	
		09	011	010/15910	Colchester town	
		09	013		Tolland County (part)	
		09	013	005/01080	Andover town	
		09	013	010/06260	Bolton town	
		09	013	015/16400	Columbia town	
		09	013	020/17800	Coventry town	
		09	013	025/25360	Ellington town	
		09	013	030/37910	Hebron town	
		09	013	040/69220	Somers town	
		09	013	045/72090	Stafford town	
		09	013	050/76290	Tolland town	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
5020		09	013	060/78250	Vernon town	
		09	013	065/85950	Wilmington town	
					Middletown, CT PMSA (D)	
		09	007		Middlesex County (part)	
		09	007	015/18080	Cromwell town	
		09	007	025/20810	Durham town	
		09	007	035/22490	East Hampton town	
		09	007	045/35230	Haddam town	
		09	007	055/47080	Middlefield town	
		09	007	060/47360	Middletown town/city	
5440		09	007	070/61800	Portland town	
					New Britain, CT PMSA (C)	
		09	003		Hartford County (part)	
		09	003	010/04300	Berlin town	
		09	003	090/50440	New Britain town/city	
3290		09	003	100/60120	Plainville town	
		09	003	115/70550	Southington town	
					Hickory-Morganton, NC MSA (C)	
		37	003		Alexander County	
3320		37	023		Burke County	
		37	035		Catawba County	
					Honolulu, HI MSA (B)	
3350		15	003		Honolulu County	
					Houma-Thibodaux, LA MSA (C)	
3360	(42)	22	057		Lafourche Parish	
		22	109		Terrebonne Parish	
3360	(42)				Houston, TX PMSA (A)	Baytown
					See Houston-Galveston-Brazoria CMSA	
3362	42				Houston-Galveston-Brazoria, TX CMSA	Baytown, Texas City (Brazoria is not a central city) (no central city)
1145					Brazoria, TX PMSA (C)	
		48	039		Brazoria County	
2920					Galveston-Texas City, TX PMSA (C)	
		48	167		Galveston County	
3360					Houston, TX PMSA (A)	Baytown
		48	157		Fort Bend County	
		48	201		Harris County	
		48	291		Liberty County	
		48	339		Montgomery County	
		48	473		Waller County	
3400					Huntington-Ashland, WV-KY-OH MSA (B)	
		54			West Virginia portion	
		54	011		Cabell County	
		54	099		Wayne County	
		21			Kentucky portion	
		21	019		Boyd County	
		21	043		Carter County	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		21	089		Greenup County	
		39			Ohio portion	
		39	087		Lawrence County	
3440		01	089		Huntsville, AL MSA (C) Madison County	
3480		18	011		Indianapolis, IN MSA (A) Boone County	
		18	057		Hamilton County	
		18	059		Hancock County	
		18	063		Hendricks County	
		18	081		Johnson County	
		18	097		Marion County	
		18	109		Morgan County	
		18	145		Shelby County	
3500		19	103		Iowa City, IA MSA (D) Johnson County	
3520		26	075		Jackson, MI MSA (C) Jackson County	
3560		28	049		Jackson, MS MSA (B) Hinds County	
		28	089		Madison County	
		28	121		Rankin County	
3580		47	113		Jackson, TN MSA (D) Madison County	
3600		12	019		Jacksonville, FL MSA (B) Clay County	
		12	031		Duval County	
		12	089		Nassau County	
		12	109		St. Johns County	
3605		37	133		Jacksonville, NC MSA (C) Onslow County	
3610		36	013		Jamestown-Dunkirk, NY MSA (C) Chautauqua County	
3620		55	105		Janesville-Beloit, WI MSA (C) Rock County	
3640	(70)				Jersey City, NJ PMSA (B) See New York-Northern New Jersey-Long Island CMSA	Hoboken Long

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
3660					Johnson City-Kingsport-Bristol (TN) +, TN-VA MSA (B)	Bristol (VA)
		47			Tennessee portion	
		47	019		Carter County	
		47	073		Hawkins County	
		47	163		Sullivan County	
		47	171		Unicoi County	
		47	179		Washington County	
		51			Virginia portion	
		51	169		Scott County	
		51	191		Washington County	
		51	520		Bristol city	
3680					Johnstown, PA MSA (B)	
		42	021		Cambria County	
		42	111		Somerset County	
3690	(14)				Joliet, IL PMSA (B) See Chicago-Gary-Lake County CMSA	
3710					Joplin, MO MSA (C)	
		29	097		Jasper County	
		29	145		Newton County	
3720					Kalamazoo, MI MSA (C)	
		26	077		Kalamazoo County	
3740					Kankakee, IL MSA (C)	
		17	091		Kankakee County	
3760					Kansas City, MO-KS MSA (A)	Kansas City (KS), Leavenworth (KS), Olathe (KS)
		29			Missouri portion	
		29	037		Cass County	
		29	047		Clay County	
		29	095		Jackson County	
		29	107		Lafayette County	
		29	165		Platte County	
		29	177		Ray County	
		20			Kansas portion	
		20	091		Johnson County	
		20	103		Leavenworth County	
		20	121		Miami County	
		20	209		Wyandotte County	
3800	(14)				Kenosha, WI PMSA (C) See Chicago-Gary-Lake County CMSA	
3810					Killeen-Temple, TX MSA (C)	
		48	027		Bell County	
		48	099		Coryell County	

MSA/ CMSA/ PMSA	2-Digit CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
3840					Knoxville, TN MSA (B)	Oak Ridge
		47	001		Anderson County	
		47	009		Blount County	
		47	057		Grainger County	
		47	089		Jefferson County	
		47	093		Knox County	
		47	155		Sevier County	
		47	173		Union County	
3850					Kokomo, IN MSA (C)	
		18	067		Howard County	
		18	159		Tipton County	
3870					La Crosse, WI MSA (D)	
		55	063		La Crosse County	
3880					Lafayette, LA MSA (C)	
		22	055		Lafayette Parish	
		22	099		St. Martin Parish	
3920					Lafayette-West Lafayette, IN MSA (C)	
		18	157		Tippecanoe County	
3960					Lake Charles, LA MSA (C)	
		22	019		Calcasieu Parish	
3965	(14)				Lake County, IL PMSA (B) See Chicago-Gary-Lake County CMSA	North Chicago, Waukegan (only)
3980					Lakeland-Winter Haven, FL MSA (B)	
		12	105		Polk County	
4000					Lancaster, PA MSA (B)	
		42	071		Lancaster County	
4040					Lansing-East Lansing, MI MSA (B)	
		26	037		Clinton County	
		26	045		Eaton County	
		26	065		Ingham County	
4080					Laredo, TX MSA (D)	
		48	479		Webb County	
4100					Las Cruces, NM MSA (D)	
		35	013		Dona Ana County	
4120					Las Vegas, NV MSA (B)	
		32	003		Clark County	
4150					Lawrence, KS MSA (D)	
		20	045		Douglas County	
4160	(07)				Lawrence-Haverhill, MA-NH PMSA (B) See Boston-Lawrence-Salem CMSA	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
4200		40	031		Lawton, OK MSA (C) Comanche County	
4240		23	001		Lewiston-Auburn, ME MSA (D) Androscoggin County (part)	
		23	001	005/02060	Auburn city	
		23	001	015/29255	Greene town	
		23	001	025/38740	Lewiston city	
		23	001	030/40035	Lisbon town	
		23	001	045/44585	Mechanic Falls town	
		23	001	055/60020	Poland town	
		23	001	057/64570	Sabattus town	
4280		21	017		Lexington-Fayette, KY MSA (B) Bourbon County	
		21	049		Clark County	
		21	067		Fayette County	
		21	113		Jessamine County	
		21	209		Scott County	
		21	239		Woodford County	
4320		39	003		Lima, OH MSA (C) Allen County	
		39	011		Auglaize County	
4360		31	109		Lincoln, NE MSA (C) Lancaster County	
4400		05	045		Little Rock-North Little Rock, AR MSA (B) Faulkner County	Jacksonville
		05	085		Lonoke County	
		05	119		Pulaski County	
		05	125		Saline County	
4420		48	183		Longview-Marshall, TX MSA (C) Gregg County	
		48	203		Harrison County	
4440	(28)				Lorain-Elyria, OH PMSA (B) See Cleveland-Akron-Lorain CMSA	
4472	49				Los Angeles-Anaheim-Riverside, CA CMSA	Burbank, Long Beach, Oxnard, Palm Springs, Pasadena, Pomona, San Bernardino, San Buenaventura, Santa Ana
0360		06	059		Anaheim-Santa Ana, CA PMSA (A) Orange County	

MSA/ CMSA/ PMSA	2-Digit CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
4480		06	037		Los Angeles-Long Beach, CA PMSA (A) Los Angeles County	Burbank, Pasadena, Pomona
6000		06	111		Oxnard-Ventura, CA PMSA (B) Ventura County	(Note: Legal name for Ventura city is San Buenaventura) Palm Springs
6780		06	065		Riverside-San Bernardino, CA PMSA Riverside County	
		06	071		San Bernardino County	
4480	(49)				Los Angeles-Long Beach, CA PMSA (A) See Los Angeles-Anaheim-Riverside CMSA	Burbank, Pasadena, Pomona
4520		21			Louisville, KY-IN MSA (B) Kentucky portion	New Albany (IN)
		21	029		Bullitt County	
		21	111		Jefferson County	
		21	185		Oldham County	
		21	211		Shelby County	
		18			Indiana portion	
		18	019		Clark County	
		18	043		Floyd County	
		18	061		Harrison County	
4560	(07)				Lowell, MA-NH PMSA (C) See Boston-Lawrence-Salem CMSA	
4600		48	303		Lubbock, TX MSA (C) Lubbock County	
4640		51	009		Lynchburg, VA MSA (C) Amherst County	
		51	031		Campbell County	
		51	680		Lynchburg city	
4680		13	021		Macon-Warner Robins, GA MSA (B) Bibb County	
		13	153		Houston County	
		13	169		Jones County	
		13	225		Peach County	
4720		55	025		Madison, WI MSA (B) Dane County	
4760		33	011		Manchester, NH MSA (C) Hillsborough County (part)	
		33	011	015/04500	Bedford town	
		33	011	040/29860	Goffstown town	
		33	011	085/45140	Manchester city	
		33	013		Merrimack County (part)	
		33	013	005/00660	Allenstown town	
		33	013	075/37300	Hooksett town	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		33	015		Rockingham County (part)	
		33	015	010/02820	Auburn town	
		33	015	020/09300	Candia town	
4800		39	139		Mansfield, OH MSA (C) Richland County	
4840		72	011		Mayagüez, PR MSA (C) Añasco Municipio	
		72	023		Cabo Rojo Municipio	
		72	067		Hormigueros Municipio	
		72	097		Mayagüez Municipio	
		72	125		San Germán Municipio	
4880		48	215		McAllen-Edinburg-Mission, TX MSA (B) Hidalgo County	Pharr
4890		41	029		Medford, OR MSA (C) Jackson County	
4900		12	009		Melbourne-Titusville-Palm Bay, FL MSA (B) Brevard County	
4920		47			Memphis, TN-AR-MS MSA (B) Tennessee portion	West Memphis (AR)
		47	157		Shelby County	
		47	167		Tipton County	
		05			Arkansas portion	
		05	035		Crittenden County	
		28			Mississippi portion	
		28	033		DeSoto County	
4940		06	047		Merced, CA MSA (C) Merced County	
4992		56			Miami-Fort Lauderdale, FL CMSA	Hialeah, Hollywood, Miami Beach, Pompano Beach
2680		12	011		Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA (A) Broward County	
5000		12	025		Miami-Hialeah, FL PMSA (A) Dade County	Miami Beach
5000	(56)				Miami-Hialeah, FL PMSA (A) See Miami-Fort Lauderdale CMSA	Miami Beach
5015	(70)				Middlesex-Somerset-Hunterdon, NJ PMSA (B) See New York-Northern New Jersey- Long Island CMSA	New Brunswick, Perth Amboy

MSA/ CMSA/ PMSA	2-Digit CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
5020	(41)				Middletown, CT PMSA (D) See Hartford-New Britain-Middletown CMSA	
5040		48	329		Midland, TX MSA (D) Midland County	
5080	(63)				Milwaukee, WI PMSA (A) See Milwaukee-Racine CMSA	Waukesha
5082 5080	63				Milwaukee-Racine, WI CMSA Milwaukee, WI PMSA (A) Milwaukee County Ozaukee County Washington County Waukesha County	Waukesha Waukesha
6600		55	079			
		55	089			
		55	131			
		55	133			
6600					Racine, WI PMSA (C) Racine County	
		55	101			
5120					Minneapolis-St. Paul, MN-WI MSA (A) Minnesota portion Anoka County Carver County Chisago County Dakota County Hennepin County Isanti County Ramsey County Scott County Washington County Wright County Wisconsin portion St. Croix County	Bloomington
		27				
		27	003			
		27	019			
		27	025			
		27	037			
		27	053			
		27	059			
		27	123			
		27	139			
		27	163			
		27	171			
		55				
		55	109			
5160					Mobile, AL MSA (B) Baldwin County Mobile County	
		01	003			
		01	097			
5170					Modesto, CA MSA (B) Stanislaus County	Turlock
		06	099			
5190	(70)				Monmouth-Ocean, NJ PMSA (B) See New York-Northern New Jersey- Long Island CMSA	(no central city)
5200					Monroe, LA MSA (C) Ouachita Parish	
		22	073			
5240					Montgomery, AL MSA (B) Autauga County Elmore County Montgomery County	
		01	001			
		01	051			
		01	101			
5280					Muncie, IN MSA (C) Delaware County	
		18	035			

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
5320		26	121		Muskegon, MI MSA (C) Muskegon County	
5345		12	021		Naples, FL MSA (D) Collier County	
5350	(07)				Nashua, NH PMSA (C) See Boston-Lawrence-Salem CMSA	
5360		47	021		Nashville, TN MSA (B) Cheatham County	Murfreesboro (Note: Official name of central city is Nashville- Davidson)
		47	037		Davidson County	
		47	043		Dickson County	
		47	147		Robertson County	
		47	149		Rutherford County	
		47	165		Sumner County	
		47	187		Williamson County	
		47	189		Wilson County	
5380	(70)				Nassau-Suffolk, NY PMSA (A) See New York-Northern New Jersey- Long Island CMSA	(no central city)
5400		25	005		New Bedford, MA MSA (C) Bristol County (part)	
		25	005	005/00520	Acushnet town	
		25	005	020/16425	Dartmouth town	
		25	005	035/22130	Fairhaven town	
		25	005	045/25240	Freetown town	
		25	005	055/45000	New Bedford city	
		25	023		Plymouth County (part)	
		25	023	070/38540	Marion town	
		25	023	080/39450	Mattapolsett town	
		25	023	110/57600	Rochester town	
5440	(41)				New Britain, CT PMSA (C) See Hartford-New Britain-Middletown CMSA	
5480		09	007		New Haven-Meriden, CT MSA (B) Middlesex County (part)	
		09	007	010/15350	Clinton town	
		09	007	050/40710	Killingworth town	
		09	009		New Haven County (part)	
		09	009	015/04580	Bethany town	
		09	009	020/07310	Branford town	
		09	009	025/14160	Cheshire town	
		09	009	035/22910	East Haven town	
		09	009	040/34950	Gulford town	
		09	009	045/35650	Hamden town	
		09	009	050/44560	Madison town	
		09	009	055/46520	Meriden town/city	
		09	009	075/52070	New Haven town/city	
		09	009	080/53890	North Branford town	
		09	009	085/54870	North Haven town	
		09	009	090/57600	Orange town	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		09	009	115/78740	Wallingford town	
		09	009	125/82870	West Haven town/city	
		09	009	135/87700	Woodbridge town	
5520					New London-Norwich, CT-RI MSA (B)	
		09			Connecticut portion	
		09	011		New London County (part)	
		09	011	005/06820	Bozrah town	
		09	011	015/23400	East Lyme town	
		09	011	020/29910	Franklin town	
		09	011	025/33900	Griswold town	
		09	011	030/34250	Groton town	
		09	011	040/42600	Ledyard town	
		09	011	045/43230	Lisbon town	
		09	011	055/48900	Montville town	
		09	011	060/52350	New London town/city	
		09	011	065/55500	North Stonington town	
		09	011	070/56270	Norwich town/city	
		09	011	075/57040	Old Lyme town	
		09	011	080/62150	Preston town	
		09	011	085/66210	Salem town	
		09	011	090/71670	Sprague town	
		09	011	095/73770	Stonington town	
		09	011	105/80280	Waterford town	
		09	015		Windham County (part)	
		09	015	015/12130	Canterbury town	
		44			Rhode Island portion	
		44	009		Washington County (part)	
		44	009	015/35380	Hopkinton town	
		44	009	040/77000	Westerly town	
5560					New Orleans, LA MSA (A)	Slidell
		22	051		Jefferson Parish	
		22	071		Orleans Parish	
		22	087		St. Bernard Parish	
		22	089		St. Charles Parish	
		22	095		St. John the Baptist Parish	
		22	103		St. Tammany Parish	
5600	(70)				New York, NY PMSA (A) See New York-Northern New Jersey- Long Island CMSA	White Plains
5602	70				New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	Bridgeport, Danbury, Elizabeth, Hoboken, Jersey City, Milford, Newark, New Brunswick, Norwalk, Paterson, Perth Amboy, Stam- ford, White

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PMSA CMSA State County MCD

Title and Geographic Components*

Additional
Central City(s)*

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
0875					Bergen-Passaic, NJ PMSA (A)	Plains ("New York" refers to the city of New York; "Northern New Jersey" and "Long Island" are not central cities) Paterson (only)
	34		003		Bergen County	
	34		031		Passaic County	
1160					Bridgeport-Milford, CT PMSA (B)	
	09		001		Fairfield County (part)	
	09		001	010/08070	Bridgeport town/city	
	09		001	030/23890	Easton town	
	09		001	035/26620	Fairfield town	
	09		001	045/48620	Monroe town	
	09		001	080/68170	Shelton town/city	
	09		001	095/74190	Stratford town	
	09		001	100/77200	Trumbull town	
	09		009		New Haven County (part)	
	09		009	005/01220	Ansonia town/city	
	09		009	010/03250	Beacon Falls town	
	09		009	030/19550	Derby town/city	
	09		009	065/47535	Milford town/city	
	09		009	095/58300	Oxford town	
	09		009	105/67610	Seymour town	
1930					Danbury, CT PMSA (C)	
	09		001		Fairfield County (part)	
	09		001	005/04720	Bethel town	
	09		001	015/08980	Brookfield town	
	09		001	020/18500	Danbury town/city	
	09		001	055/50860	New Fairfield town	
	09		001	060/52980	Newtown town	
	09		001	070/63480	Redding town	
	09		001	075/63970	Ridgefield town	
	09		001	085/68310	Sherman town	
	09		005		Litchfield County (part)	
	09		005	015/08210	Bridgewater town	
	09		005	065/52630	New Milford town	
3640					Jersey City, NJ PMSA (B)	Hoboken
	34		017		Hudson County	
5015					Middlesex-Somerset-Hunterdon, NJ PMSA (B)	New Brunswick, Perth Amboy (only)
	34		019		Hunterdon County	
	34		023		Middlesex County	
	34		035		Somerset County	
5190					Monmouth-Ocean, NJ PMSA (B)	(no central city)
	34		025		Monmouth County	
	34		029		Ocean County	
5380					Nassau-Suffolk, NY PMSA (A)	(no central city)
	36		059		Nassau County	
	36		103		Suffolk County	
5600					New York, NY PMSA (A)	White Plains
	36		005		Bronx County	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		36	047		Kings County	
		36	061		New York County	
		36	079		Putnam County	
		36	081		Queens County	
		36	085		Richmond County	
		36	087		Rockland County	
		36	119		Westchester County	
5640					Newark, NJ** PMSA (A)	Elizabeth
		34	013		Essex County	
		34	027		Morris County	
		34	037		Sussex County	
		34	039		Union County	
5760					Norwalk, CT PMSA (C)	
		09	001		Fairfield County (part)	
		09	001	065/56060	Norwalk town/city	
		09	001	105/83430	Weston town	
		09	001	110/83500	Westport town	
		09	001	115/86370	Wilton town	
5950					Orange County, NY PMSA (B)	(no central city)
		36	071		Orange County	
8040					Stamford, CT PMSA (C)	
		09	001		Fairfield County (part)	
		09	001	025/18850	Darien town	
		09	001	040/33620	Greenwich town	
		09	001	050/50580	New Canaan town	
		09	001	090/73070	Stamford town/city	
5640	(70)				Newark, NJ** PMSA (A)	Elizabeth
					See New York-Northern New Jersey- Long Island CMSA	
5700	(10)				Niagara Falls, NY PMSA (C)	
					See Buffalo-Niagara Falls CMSA	
5720					Norfolk-Virginia Beach-Newport News, VA MSA (A)	Hampton, Portsmouth, Suffolk
		51	073		Gloucester County	
		51	095		James City County	
		51	199		York County	
		51	550		Chesapeake city	
		51	650		Hampton city	
		51	700		Newport News city	
		51	710		Norfolk city	
		51	735		Poquoson city	
		51	740		Portsmouth city	
		51	800		Suffolk city	
		51	810		Virginia Beach city	
		51	830		Williamsburg city	
5760	(70)				Norwalk, CT PMSA (C)	
					See New York-Northern New Jersey- Long Island CMSA	
5775	(84)				Oakland, CA PMSA (A)	Berkeley, Livermore
					See San Francisco-Oakland-San Jose CMSA	

MSA/ CMSA/ 2-Digit PMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
5790	12	083		Ocala, FL MSA (C) Marion County	
5800	48	135		Odessa, TX MSA (C) Ector County	
5880	40	017		Oklahoma City, OK MSA (B) Canadian County	Norman, Shawnee
	40	027		Cleveland County	
	40	083		Logan County	
	40	087		McClain County	
	40	109		Oklahoma County	
	40	125		Pottawatomie County	
5910	53	067		Olympia, WA MSA (C) Thurston County	
5920	31			Omaha, NE-IA MSA (B) Nebraska portion	Council Bluffs (IA)
	31	055		Douglas County	
	31	153		Sarpy County	
	31	177		Washington County	
	19			Iowa portion	
	19	155		Pottawattamie County	
5950	(70)			Orange County, NY PMSA (B) See New York-Northern New Jersey- Long Island CMSA	(no central city)
5960	12	095		Orlando, FL MSA (B) Orange County	
	12	097		Osceola County	
	12	117		Seminole County	
5990	21	059		Owensboro, KY MSA (D) Davies County	
6000	(49)			Oxnard-Ventura, CA PMSA (B) See Los Angeles-Anaheim-Riverside CMSA	(Note: Legal name for Ventura city is San Buenaventura)
6015	12	005		Panama City, FL MSA (D) Bay County	
6020	54			Parkersburg-Marietta, WV-OH MSA (C) West Virginia portion	
	54	107		Wood County	
	39			Ohio portion	
	39	167		Washington County	
6025	28	059		Pascagoula, MS MSA (C) Jackson County	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
6060	(80)				Pawtucket-Woonsocket-Attleboro, RI-MA PMSA (B) See Providence-Pawtucket-Fall River CMSA	
6080		12	033		Pensacola, FL MSA (B) Escambia County	
		12	113		Santa Rosa County	
6120		17	143		Peoria, IL MSA (B) Peoria County	Pekin
		17	179		Tazewell County	
		17	203		Woodford County	
6160	(77)				Philadelphia, PA-NJ PMSA (A) See Philadelphia-Wilmington- Trenton CMSA	Camden (NJ), Norristown (PA)
6162	77				Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	Bridgeton, Camden, Millville, Norristown, Vineland
6160		42			Philadelphia, PA-NJ PMSA (A) Pennsylvania portion	Camden (NJ) Norristown (PA)
		42	017		Bucks County	
		42	029		Chester County	
		42	045		Delaware County	
		42	091		Montgomery County	
		42	101		Philadelphia County	
		34			New Jersey portion	
		34	005		Burlington County	
		34	007		Camden County	
		34	015		Gloucester County	
8480		34	021		Trenton, NJ PMSA (B) Mercer County	
8760		34	011		Vineland-Millville-Bridgeton, NJ PMSA (C) Cumberland County	
9160		10			Wilmington, DE-NJ-MD PMSA (B) Delaware portion	
		10	003		New Castle County	
		34			New Jersey portion	
		34	033		Salem County	
		24			Maryland portion	
		24	015		Cecil County	
6200		04	013		Phoenix, AZ MSA (A) Maricopa County	Mesa, Scottsdale, Tempe
6240		05	069		Pine Bluff, AR MSA (D) Jefferson County	
6280	(78)				Pittsburgh, PA PMSA (A) See Pittsburgh-Beaver Valley CMSA	McKeesport

MSA/ CMSA/ PMSA	2-Digit CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
6282		78			Pittsburgh-Beaver Valley, PA CMSA	McKeesport ("Beaver Valley" is not a central city)
0845					Beaver County, PA PMSA (C)	(no central city)
		42	007		Beaver County	
6280					Pittsburgh, PA PMSA (A)	McKeesport
		42	003		Allegheny County	
		42	051		Fayette County	
		42	125		Washington County	
		42	129		Westmoreland County	
6320					Pittsfield, MA MSA (D)	
		25	003		Berkshire County (part)	
		25	003	020/13345	Cheshire town	
		25	003	030/16180	Dalton town	
		25	003	055/30315	Hinsdale town	
		25	003	060/34340	Lanesborough town	
		25	003	065/34655	Lee town	
		25	003	070/34970	Lenox town	
		25	003	110/53960	Pittsfield city	
		25	003	115/56795	Richmond town	
		25	003	135/67595	Stockbridge town	
6360					Ponce, PR MSA (C)	
		72	075		Juana Díaz Municipio	
		72	113		Ponce Municipio	
6400					Portland, ME MSA (C)	
		23	005		Cumberland County (part)	
		23	005	020/10180	Cape Elizabeth town	
		23	005	030/15430	Cumberland town	
		23	005	035/24495	Falmouth town	
		23	005	040/26525	Freeport town	
		23	005	045/28240	Gorham town	
		23	005	050/28870	Gray town	
		23	005	075/53860	North Yarmouth town	
		23	005	085/60545	Portland city	
		23	005	095/61945	Raymond town	
		23	005	100/66145	Scarborough town	
		23	005	110/71990	South Portland city	
		23	005	115/73670	Standish town	
		23	005	120/82105	Westbrook city	
		23	005	125/86025	Windham town	
		23	005	130/87845	Yarmouth town	
		23	031		York County (part)	
		23	031	030/09410	Buxton town	
		23	031	050/33665	Hollis town	
		23	031	100/55085	Old Orchard Beach town	
6440	(79)				Portland, OR PMSA (A)	
					See Portland-Vancouver CMSA	

MSA/ CMSA/ PMSA	2-Digit CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
6442 6440	79				Portland-Vancouver, OR-WA CMSA Portland, OR PMSA (A)	
		41	005		Clackamas County	
		41	051		Multnomah County	
		41	067		Washington County	
		41	071		Yamhill County	
8725					Vancouver, WA PMSA (C)	
		53	011		Clark County	
6450					Portsmouth-Dover-Rochester, NH-ME MSA (C)	
		33			New Hampshire portion	
		33	015		Rockingham County (part)	
		33	015	055/25380	Exeter town	
		33	015	065/31700	Greenland town	
		33	015	075/33060	Hampton town	
		33	015	100/50980	New Castle town	
		33	015	105/51380	Newfields town	
		33	015	110/51620	Newington town	
		33	015	115/52340	Newmarket town	
		33	015	125/54580	North Hampton town	
		33	015	145/62900	Portsmouth city	
		33	015	155/66180	Rye town	
		33	015	180/74340	Stratham town	
		33	017		Strafford County (part)	
		33	017	005/03460	Barrington town	
		33	017	010/18820	Dover city	
		33	017	015/19700	Durham town	
		33	017	020/26020	Farmington town	
		33	017	025/41460	Lee town	
		33	017	030/44820	Madbury town	
		33	017	040/48660	Milton town	
		33	017	050/65140	Rochester city	
		33	017	055/65540	Rollinsford town	
		33	017	060/69940	Somersworth city	
		23			Maine Portion	
		23	031		York County (part)	
		23	031	020/04720	Berwick town	
		23	031	045/22955	Elliot town	
		23	031	065/37270	Kittery town	
		23	031	095/50325	North Berwick town	
		23	031	097/54980	Ogunquit town	
		23	031	125/70030	South Berwick town	
		23	031	135/81475	Wells town	
		23	031	140/87985	York town	
6460					Poughkeepsie, NY MSA (C)	
		36	027		Dutchess County	
6480	(80)				Providence, RI PMSA (B) See Providence-Pawtucket-Fall River CMSA	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
6482	80				Providence-Pawtucket-Fall River, RI-MA CMSA	Attleboro, Woonsocket
2480					Fall River, MA-RI PMSA (C)	
		25			Massachusetts portion	
		25	005		Bristol County (part)	
		25	005	040/23000	Fall River city	
		25	005	085/62430	Somerset town	
		25	005	090/68750	Swansea town	
		25	005	100/77570	Westport town	
		44			Rhode Island portion	
		44	005		Newport County (part)	
		44	005	010/42400	Little Compton town	
		44	005	035/70880	Tiverton town	
6060					Pawtucket-Woonsocket-Attleboro, RI-MA PMSA (B)	
		44			Rhode Island portion	
		44	007		Providence County (part)	
		44	007	005/11800	Burrillville town	
		44	007	010/14140	Central Falls city	
		44	007	020/20080	Cumberland town	
		44	007	045/41500	Lincoln town	
		44	007	055/52480	North Smithfield town	
		44	007	060/54640	Pawtucket city	
		44	007	075/66200	Smithfield town	
		44	007	080/80780	Woonsocket city	
		25			Massachusetts portion	
		25	005		Bristol County (part)	
		25	005	010/02690	Attleboro city	
		25	005	060/46575	North Attleborough town	
		25	005	075/56375	Rehoboth town	
		25	005	080/60645	Seekonk town	
		25	021		Norfolk County (part)	
		25	021	095/54100	Plainville town	
		25	027		Worcester County (part)	
		25	027	030/06015	Blackstone town	
		25	027	150/41585	Millville town	
6480					Providence, RI PMSA (B)	
		44	001		Bristol County	
		44	001	005/05140	Barrington town	
		44	001	010/09280	Bristol town	
		44	001	015/73760	Warren town	
		44	003		Kent County (part)	
		44	003	005/18640	Coventry town	
		44	003	010/22240	East Greenwich town	
		44	003	015/74300	Warwick city	
		44	003	025/78440	West Warwick town	
		44	005		Newport County (part)	
		44	005	005/36820	Jamestown town	
		44	007		Providence County (part)	
		44	007	015/19180	Cranston city	
		44	007	025/22960	East Providence city	
		44	007	030/27460	Foster town	
		44	007	035/30340	Glocester town	
		44	007	040/37720	Johnston town	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		44	007	050/51760	North Providence town	
		44	007	065/59000	Providence city	
		44	007	070/64220	Scituate town	
		44	009		Washington County (part)	
		44	009	010/25300	Exeter town	
		44	009	020/48340	Narragansett town	
		44	009	025/51580	North Kingstown town	
		44	009	030/61160	Richmond town	
		44	009	035/67460	South Kingstown town	
6520					Provo-Orem, UT MSA (C)	
		49	049		Utah County	
6560					Pueblo, CO MSA (C)	
		08	101		Pueblo County	
6600	(63)				Racine, WI PMSA (C)	
					See Milwaukee-Racine CMSA	
6640					Raleigh-Durham, NC MSA (B)	Chapel Hill
		37	063		Durham County	
		37	069		Franklin County	
		37	135		Orange County	
		37	183		Wake County	
6660					Rapid City, SD MSA (D)	
		46	103		Pennington County	
6680					Reading, PA MSA (B)	
		42	011		Berks County	
6690					Redding, CA MSA (C)	
		06	089		Shasta County	
6720					Reno, NV MSA (C)	
		32	031		Washoe County	
6740					Richland-Kennewick-Pasco, WA MSA (C)	
		53	005		Benton County	
		53	021		Franklin County	
6760					Richmond-Petersburg, VA MSA (B)	
		51	036		Charles City County	
		51	041		Chesterfield County	
		51	053		Dinwiddie County	
		51	075		Goochland County	
		51	085		Hanover County	
		51	087		Henrico County	
		51	127		New Kent County	
		51	145		Powhatan County	
		51	149		Prince George County	
		51	570		Colonial Heights city	
		51	670		Hopewell city	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		51	730		Petersburg city	
		51	760		Richmond city	
6780	(49)				Riverside-San Bernardino, CA PMSA (A) See Los Angeles-Anaheim-Riverside CMSA	Palm Springs
6800		51	023		Roanoke, VA MSA (C) Botetourt County	
		51	161		Roanoke County	
		51	770		Roanoke city	
		51	775		Salem city	
6820		27	109		Rochester, MN MSA (D) Olmsted County	
6840		36	051		Rochester, NY MSA (B) Livingston County	
		36	055		Monroe County	
		36	069		Ontario County	
		36	073		Orleans County	
		36	117		Wayne County	
6880		17	007		Rockford, IL MSA (B) Boone County	
		17	201		Winnebago County	
6920		06	017		Sacramento, CA MSA (A) El Dorado County	Davis, Roseville, Woodland
		06	061		Placer County	
		06	067		Sacramento County	
		06	113		Yolo County	
6960		26	017		Saginaw-Bay City-Midland, MI MSA (B) Bay County	
		26	111		Midland County	
		26	145		Saginaw County	
6980		27	009		St. Cloud, MN MSA (C) Benton County	
		27	141		Sherburne County	
		27	145		Stearns County	
7000		29	021		St. Joseph, MO MSA (D) Buchanan County	
7040		29			St. Louis, MO-IL MSA (A) Missouri portion	Alton, Belleville, East St. Louis, Granite City, St. Charles
		29	055		Crawford County (part) + +	
		29	071		Franklin County	
		29	099		Jefferson County	
		29	183		St. Charles County	
		29	189		St. Louis County	
		29	510		St. Louis city	
		17			Illinois portion	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		17	027		Clinton County	
		17	083		Jersey County	
		17	119		Madison County	
		17	133		Monroe County	
		17	163		St. Clair County	
7080					Salem, OR MSA (C)	
		41	047		Marion County	
		41	053		Polk County	
7090	(07)				Salem-Gloucester, MA PMSA (B) See Boston-Lawrence-Salem CMSA	
7120					Salinas-Seaside-Monterey, CA MSA (B)	
		06	053		Monterey County	
7160					Salt Lake City-Ogden, UT MSA (B)	
		49	011		Davis County	
		49	035		Salt Lake County	
		49	057		Weber County	
7200					San Angelo, TX MSA (D)	
		48	451		Tom Green County	
7240					San Antonio, TX MSA (A)	
		48	029		Bexar County	
		48	091		Comal County	
		48	187		Guadalupe County	
7320					San Diego, CA MSA (A)	Escondido
		06	073		San Diego County	
7360	(84)				San Francisco, CA PMSA (A) See San Francisco-Oakland-San Jose CMSA	
7362	84				San Francisco-Oakland-San Jose, CA CMSA	Berkeley, Fairfield, Livermore, Napa, Palo Alto, Petaluma, Santa Cruz, Santa Rosa, Vallejo Berkeley, Livermore
5775					Oakland, CA PMSA (A)	
		06	001		Alameda County	
		06	013		Contra Costa County	
7360					San Francisco, CA PMSA (A)	
		06	041		Marin County	
		06	075		San Francisco County	
		06	081		San Mateo County	
7400					San Jose, CA PMSA (A)	Palo Alto
		06	085		Santa Clara County	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
7485		06	087		Santa Cruz, CA PMSA (C) Santa Cruz County	
7500		06	097		Santa Rosa-Petaluma, CA PMSA (B) Sonoma County	
8720		06	055		Vallejo-Fairfield-Napa, CA PMSA (B) Napa County	
		06	095		Solano County	
7400	(84)				San Jose, CA PMSA (A) See San Francisco-Oakland-San Jose CMSA	Palo Alto
7440	(87)				San Juan, PR PMSA (A) See San Juan-Caguas CMSA	Fajardo
7442	87				San Juan-Caguas, PR CMSA	Fajardo
1310					Caguas, PR PMSA (B)	
		72	007		Aguas Buenas Municipio	
		72	025		Caguas Municipio	
		72	035		Cayey Municipio	
		72	041		Cidra Municipio	
		72	063		Gurabo Municipio	
		72	129		San Lorenzo Municipio	
7440					San Juan, PR PMSA (A)	Fajardo
		72	017		Barceloneta Municipio	
		72	021		Bayamón Municipio	
		72	029		Canóvanas Municipio	
		72	031		Carolina Municipio	
		72	033		Cataño Municipio	
		72	047		Corozal Municipio	
		72	051		Dorado Municipio	
		72	053		Fajardo Municipio	
		72	054		Florida Municipio	
		72	061		Guaynabo Municipio	
		72	069		Humacao Municipio	
		72	077		Juncos Municipio	
		72	085		Las Piedras Municipio	
		72	087		Loíza Municipio	
		72	089		Luquillo Municipio	
		72	091		Manatí Municipio	
		72	105		Naranjito Municipio	
		72	119		Río Grande Municipio	
		72	127		San Juan Municipio	
		72	135		Toa Alta Municipio	
		72	137		Toa Baja Municipio	
		72	139		Trujillo Alto Municipio	
		72	143		Vega Alta Municipio	
		72	145		Vega Baja Municipio	
7480		06	083		Santa Barbara-Santa Maria-Lompoc, CA MSA (B) Santa Barbara County	

MSA/ CMSA/ PMSA	2-Digit CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
7485	(84)				Santa Cruz, CA PMSA (C) See San Francisco-Oakland-San Jose CMSA	
7490		35	028		Santa Fe, NM MSA (D) Los Alamos County	
		35	049		Santa Fe County	
7500	(84)				Santa Rosa-Petaluma, CA PMSA (B) See San Francisco-Oakland-San Jose CMSA	
7510		12	115		Sarasota, FL MSA (C) Sarasota County	
7520		13	051		Savannah, GA MSA (C) Chatham County	
		13	103		Effingham County	
7560		42	037		Scranton-Wilkes-Barre, PA MSA (B) Columbia County	Hazleton
		42	069		Lackawanna County	
		42	079		Luzerne County	
		42	089		Monroe county	
		42	131		Wyoming County	
7600	(91)				Seattle, WA PMSA (A) See Seattle-Tacoma CMSA	Auburn, Everett
7602	91				Seattle-Tacoma, WA CMSA	Auburn, Everett
7600		53	033		Seattle, WA PMSA (A) King County	Auburn, Everett
		53	061		Snohomish County	
8200		53	053		Tacoma, WA PMSA (B) Pierce County	
7610		42	085		Sharon, PA MSA (C) Mercer County	
7620		55	117		Sheboygan, WI MSA (C) Sheboygan County	
7640		48	181		Sherman-Denison, TX MSA (D) Grayson County	
7680		22	015		Shreveport, LA MSA (B) Bossier Parish	Bossier City
		22	017		Caddo Parish	
7720		19			Sioux City, IA-NE MSA (C) Iowa portion	
		19	193		Woodbury County	
		31			Nebraska portion	
		31	043		Dakota County	

MSA/ CMSA/ PMSA	2-Digit CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
7760		46	099		Sioux Falls, SD MSA (C) Minnehaha County	
7800		18	141		South Bend-Mishawaka, IN MSA (C) St. Joseph County	
7840		53	063		Spokane, WA MSA (B) Spokane County	
7880		17	129		Springfield, IL MSA (C) Menard County	
		17	167		Sangamon County	
7920		29	043		Springfield, MO MSA (C) Christian County	
		29	077		Greene County	
8000		25	013		Springfield, MA** MSA (B) Hampden County (part)	Holyoke, Northampton Westfield
		25	013	005/00800	Agawam town	
		25	013	025/13660	Chicopee city	
		25	013	030/19645	East Longmeadow town	
		25	013	040/28075	Hampden town	
		25	013	050/30840	Holyoke city	
		25	013	055/36300	Longmeadow town	
		25	013	060/37175	Ludlow town	
		25	013	065/42145	Monson town	
		25	013	070/42530	Montgomery town	
		25	013	075/52105	Palmer town	
		25	013	080/58650	Russell town	
		25	013	085/65825	Southwick town	
		25	013	090/67000	Springfield city	
		25	013	105/76030	Westfield city	
		25	013	110/77850	West Springfield town	
		25	013	115/79740	Wilbraham town	
		25	015		Hampshire County (part)	
		25	015	010/04825	Belchertown town	
		25	015	025/19330	Easthampton town	
		25	015	035/26535	Granby town	
		25	015	050/31785	Huntington town	
		25	015	060/46330	Northampton city	
		25	015	075/62745	Southampton town	
		25	015	080/64145	South Hadley town	
8040	(70)				Stamford, CT PMSA (C) See New York-Northern New Jersey- Long Island CMSA	
8050		42	027		State College, PA MSA (C) Centre County	
8080		39			Steubenville-Weirton, OH-WV MSA (C) Ohio portion	
		39	081		Jefferson County	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		54			West Virginia portion	
		54	009		Brooke County	
		54	029		Hancock County	
8120					Stockton, CA MSA (B)	Lodi
		06	077		San Joaquin County	
8160					Syracuse, NY MSA (B)	
		36	053		Madison County	
		36	067		Onondaga County	
		36	075		Oswego County	
8200	(91)				Tacoma, WA PMSA (B) See Seattle-Tacoma CMSA	
8240					Tallahassee, FL MSA (C)	
		12	039		Gadsden County	
		12	073		Leon County	
8280					Tampa-St. Petersburg-Clearwater, FL MSA (A)	
		12	053		Hernando County	
		12	057		Hillsborough County	
		12	101		Pasco County	
		12	103		Pinellas County	
8320					Terre Haute, IN MSA (C)	
		18	021		Clay County	
		18	167		Vigo County	
8360					Texarkana, TX-Texarkana, AR MSA (C)	
		48			Texas portion	
		48	037		Bowie County	
		05			Arkansas portion	
		05	091		Miller County	
8400					Toledo, OH MSA (B)	Bowling Green
		39	051		Fulton County	
		39	095		Lucas County	
		39	173		Wood County	
8440					Topeka, KS MSA (C)	
		20	177		Shawnee County	
8480	(77)				Trenton, NJ PMSA (B) See Philadelphia-Wilmington-Trenton CMSA	
8520					Tucson, AZ MSA (B)	
		04	019		Pima County	
8560					Tulsa, OK MSA (B)	
		40	037		Creek County	
		40	113		Osage County	
		40	131		Rogers County	
		40	143		Tulsa County	
		40	145		Wagoner County	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
8600		01	125		Tuscaloosa, AL MSA (C) Tuscaloosa County	
8640		48	423		Tyler, TX MSA (C) Smith County	
8680		36	043		Utica-Rome, NY MSA (B) Herkimer County	
		36	065		Oneida County	
8720	(84)				Vallejo-Fairfield-Napa, CA PMSA (B) See San Francisco-Oakland-San Jose CMSA	
8725	(79)				Vancouver, WA PMSA (C) See Portland-Vancouver CMSA	
8750		48	469		Victoria, TX MSA (D) Victoria County	
8760	(77)				Vineland-Millville-Bridgeton, NJ PMSA (C) See Philadelphia-Wilmington-Trenton CMSA	
8780		06	107		Visalia-Tulare-Porterville, CA MSA (C) Tulare County	
8800		48	309		Waco, TX MSA (C) McLennan County	
8840		11			Washington, DC-MD-VA MSA (A) District of Columbia portion	Arlington (VA), Frederick (MD)
		11	001		District of Columbia	
		24			Maryland portion	
		24	009		Calvert County	
		24	017		Charles County	
		24	021		Frederick County	
		24	031		Montgomery County	
		24	033		Prince George's County	
		51			Virginia portion	
		51	013		Arlington County	
		51	059		Fairfax County	
		51	107		Loudoun County	
		51	153		Prince William County	
		51	179		Stafford County	
		51	510		Alexandria city	
		51	600		Fairfax city	
		51	610		Falls Church city	
		51	683		Manassas city	
		51	685		Manassas Park city	
8880		09	005		Waterbury, CT MSA (C) Litchfield County (part)	
		09	005	010/04930	Bethlehem town	
		09	005	100/75730	Thomaston town	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		09	005	120/80490	Watertown town	
		09	005	130/87910	Woodbury town	
		09	009		New Haven County (part)	
		09	009	060/46940	Middlebury town	
		09	009	070/49950	Naugatuck town/borough	
		09	009	100/62290	Prospect town	
		09	009	110/69640	Southbury town	
		09	009	120/80070	Waterbury town/city	
		09	009	130/87560	Wolcott town	
8920					Waterloo-Cedar Falls, IA MSA (C)	
		19	013		Black Hawk County	
		19	017		Bremer County	
8940					Wausau, WI MSA (C)	
		55	073		Marathon County	
8960					West Palm Beach-Boca Raton-Delray Beach, FL MSA (B)	
		12	099		Palm Beach County	
9000					Wheeling, WV-OH MSA (C)	
		54			West Virginia portion	
		54	051		Marshall County	
		54	069		Ohio County	
		39			Ohio portion	
		39	013		Belmont County	
9040					Wichita, KS MSA (B)	
		20	015		Butler County	
		20	079		Harvey County	
		20	173		Sedgwick County	
9080					Wichita Falls, TX MSA (C)	
		48	485		Wichita County	
9140					Williamsport, PA MSA (C)	
		42	081		Lycoming County	
9160	(77)				Wilmington, DE-NJ-MD PMSA (B)	
					See Philadelphia-Wilmington-Trenton CMSA	
9200					Wilmington, NC MSA (C)	
		37	129		New Hanover County	
9240					Worcester, MA MSA (B)	
		25	027		Worcester County (part)	
		25	027	015/02760	Auburn town	
		25	027	020/03740	Barre town	
		25	027	040/07525	Boylston town	
		25	027	045/09105	Brookfield town	
		25	027	050/12715	Charlton town	
		25	027	055/14395	Clinton town	
		25	027	060/17300	Douglas town	
		25	027	065/17685	Dudley town	

MSA/ CMSA/ 2-Digit PMSA	CMSA	State	County	MCD	Title and Geographic Components*	Additional Central City(s)*
		25	027	070/18560	East Brookfield town	
		25	027	085/26430	Grafton town	
		25	027	100/30560	Holden town	
		25	027	120/34795	Leicester town	
		25	027	145/41340	Millbury town	
		25	027	160/46820	Northborough town	
		25	027	165/46925	Northbridge town	
		25	027	170/47135	North Brookfield town	
		25	027	180/51825	Oxford town	
		25	027	185/52420	Paxton town	
		25	027	200/55395	Princeton town	
		25	027	210/58825	Rutland town	
		25	027	215/61800	Shrewsbury town	
		25	027	230/66105	Spencer town	
		25	027	235/67385	Sterling town	
		25	027	245/68610	Sutton town	
		25	027	260/71620	Uxbridge town	
		25	027	270/73895	Webster town	
		25	027	275/75015	Westborough town	
		25	027	280/75155	West Boylston town	
		25	027	300/82000	Worcester city	
9260					Yakima, WA MSA (C)	
		53	077		Yakima County	
					York, PA MSA (B)	
		42	001		Adams County	
		42	133		York County	
9320					Youngstown-Warren, OH MSA (B)	
		39	099		Mahoning County	
		39	155		Trumbull County	
9340					Yuba City, CA MSA (C)	
		06	101		Sutter County	
		06	115		Yuba County	
9360					Yuma, AZ MSA (D)	
		04	027		Yuma County	

* MSA, CMSA, and PMSA names, codes, and central cities are designated by the Office of Management and Budget; state and county codes, by the National Institute of Standards and Technology (NIST); minor civil division (MCD) codes (listed only in New England), by both the Bureau of the Census (3 digits) and the U.S. Geological Survey (USGS) (5 digits). A parenthetical number in the "2-digit CMSA" column identifies the CMSA within which a PMSA is located. In Connecticut, towns (MCDs) that are coextensive with incorporated places are shown as town/city or town/borough; the USGS code is that for the town. The parenthetical letter following an MSA/PMSA name identifies the area's "level" (A=population of 1,000,000 or more, B=250,000-1,000,000, C=100,000-250,000, and D=fewer than 100,000). The last column identifies places that are central cities that are not named in the title, and also notes deviations between the area title and the central city(s).

** Name is not in strict alphabetical order.

+ Parenthetical name is not part of the official title.

++ The portion of Sullivan city located in Crawford County.

APPENDIX J

CD-ROM Technical Information¹

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EQUIPMENT

The two basic pieces of equipment needed to use CD-ROM's are a microcomputer and a CD-ROM drive. A printer is very useful but not essential. Your microcomputer should be equipped with at least 640K random access memory (RAM). While a hard disk is not required on your microcomputer, it is very useful.

SOFTWARE

Software is needed for accessing the CD-ROM as well as for accessing the data.

MS-DOS 3.1 or higher is needed as your operating system if you have a CD-ROM reader. You will also need DOS file manager software such as Microsoft's CD-ROM Extensions. CD-ROM extensions is a collection of programs that enables the microcomputer to communicate with the attached CD-ROM drives. You must have version 2.0 or higher of the Microsoft Extensions.

If you already have a CD-ROM drive, you may not know whether it is equipped with file manager software like the CD-ROM extensions. To find out, try signing on to your CD-ROM drive just as though it is a magnetic disk drive, and perform simple file management tasks, like listing the directory. (For example, from the DOS prompt, type the command DIR and the letter used to designate the CD-ROM drive followed by a colon [e.g., C>DIR L:] and press enter.) If you get an error message, it may mean that you need to obtain and install CD-ROM extensions.

CD-ROM Extensions

Although all versions of CD-ROM extensions work basically the same way, installation procedures may

vary slightly from one supplier to another. Many versions contain a program that will automatically install the software for you, after you have answered a few questions about the type of equipment that you plan to use. *Be sure to follow the instructions for installing CD-ROM Extensions that are provided with the software.*

The first step, if you are installing extensions without the aid of an automatic set-up program, is usually installing the device driver program and MSCDEX.EXE on your bootable disk. For computers containing a hard drive, this usually means drive C. The name of the device driver program varies from one version of extensions to another; one common practice of software developers is to name it after the brand of CD-ROM drive that it supports, e.g., HITACHI.SYS. The device driver program and MSCDEX are frequently set up in separate subdirectories; however, this practice is not universal.

The next step is to add a line to the CONFIG.SYS file to identify the device driver program. This line typically looks something like this:

```
DEVICE=\path\driver name/D:\driver alias/N:#  
For example: device=\dev\HITACHI.SYS/D:MSCD001/N:1
```

The driver name (e.g., HITACHI.SYS) and the driver alias should be provided by the set-up program or in the instructions that accompany the floppy disk containing the extensions software. The symbol # at the end of the line should be replaced with the number of CD-ROM drives (up to 4) that will be hooked up to the microcomputer.

The third step is to add a line to the AUTOEXEC.BAT file for running MSCDEX.EXE and assigning a letter to your CD-ROM drive. Depending on your system configuration you may opt to set up one or more batch files to accomplish the same purpose. If you add a line to the AUTOEXEC.BAT file, it will probably look something like this:

```
\path\MSCDEX.EXE/D:driver alias/M:8/L:L  
For example: \BIN\MSCDEX.EXE/D:MSCD001/M:12/L:L
```

The driver alias, which is really the name that your system will use to identify the device driver, should be the same one that is named in your CONFIG.SYS file.

¹Portions of this appendix are adapted from *Administrative Notes*, the Newsletter of the Federal Depository Library Program (May 22, 1989).

The number following M: is the number of memory buffers allocated (usually 8, but sometimes more). The last letter, following the L:; designates the letter assigned to the CD-ROM drive.

Though the final step is simple, it's also easy to overlook. You must reboot the system in order to activate the changes that you've made to your CONFIG.SYS and AUTOEXEC.BAT.

Once properly installed, the device behaves much like a read-only floppy diskette drive, and simple MS-DOS commands such as DIR are possible. If the computer reports that the CD-ROM is "not High Sierra," you must first upgrade your Microsoft CD-ROM Extensions software to version 2.0 or later.

Data Retrieval Software

This CD-ROM contains data retrieval software. This software was developed and tested on a COMPAQ Deskpro 286 with 640K RAM operating under MS-DOS 3.31. The software was compiled with Clipper (Summer '87). There are no special display requirements. Please note that the retrieval software will only run on IBM-compatibles operating under MS-DOS.

To execute, type GO at the DOS prompt and ENTER.

Example: L:\>GO

The data on the CD-ROM are in dBase III+™ format. Data in dBase III+ format are recognized by many software packages including dBase IV™, Foxbase™, Clipper™, Supercalc V™, Quattro Pro™, and VP-Planner™.

Users of other types of systems, such as the Apple Macintosh, have access to the files through support for ISO 9660 CD-ROMs.

CONVERTING TO ASCII FILES

Users without database management software who wish to convert the files to ASCII can follow the code found in the README file on the CD-ROM.

TECHNICAL DOCUMENTATION

The DOCUMENT directory on the CD-ROM contains sections of the Equal Employment Opportunity (EEO) File technical documentation in a series of ASCII text files. These are as follows:

ROSTER_P.ASC	Roster Page
ACKNOW.ASC	Acknowledgments
CONTENTS.ASC	Contents
ABST_EEO.ASC	Abstract
HOWTOUSE.ASC	How to Use the File
SUB_LOC.ASC	Subject Locator
LIST_TBL.ASC	List of Tables
TBL_OUT.ASC	Table Outlines
SUM_LEV.ASC	Summary Level Sequence Charts
USERNOTE.ASC	User Notes Explanation and Notes
IDEN_FTN.ASC	Identification Section of the Data Dictionary
DBASESTR.ASC	Database Structures Section
DBASECOD.ASC	Database Generated Code Lists
APPEND_A.ASC	Appendix A—Area Classifications
APPEND_B.ASC	Appendix B—Subject Characteristics
APPEND_C.ASC	Appendix C—Accuracy of the Data
APPEND_D.ASC	Appendix D—Procedures
APPEND_E.ASC	Appendix E—Facsimiles of Instructions
APPEND_F.ASC	Appendix F—Data Products and User Assistance
APPEND_G.ASC	Appendix G—Code Lists
APPEND_H.ASC	Appendix H—1980-1990 Occupational Comparability List
APPEND_I.ASC	Geographic Codes
APPEND_J.ASC	Appendix J—CD-ROM Technical Information

Figure 4. Reference Files

GEOREF.DBF This file is a geographic reference file containing records with summary level 040 only. It has the same structure as SP3000xx.DBF. This reference file can be used to access State data.

Number of records: 50

JOBS.DBF This file contains all jobs and job categories

Number of data records: 616

Field	Field Name	Type	Width	Dec
1	TEXT	Character	110	
2	DATAITEM	Logical	1	
3	OCC_CODE	Character	3	
4	START_CODE	Character	3	
5	END_CODE	Character	3	
6	LEVEL	Character	1	
7	FINAL_MENU	Logical	1	
8	SIC_CODE	Character	3	
9	SIC_START	Character	3	
10	SIC_END	Character	3	
** Total **			132	

Figure 5. Index Files

OCC_XX1.NDX

Key: SUMLEV + CNTY + COUSUBFP + PLACEFP + MSACMSA + OCC_CODE
 Used By: SP300XX.DBF
 Purpose: Geography by Occupation
 Designed to quickly locate all occupations for a geographic entity.

OCC_XX2.NDX

Key: OCC_CODE + SUMLEV + CNTY + COUSUBFP + PLACEFP + MSACMSA
 Used By: SP3001XX.DBF
 Purpose: Occupation by Geography
 Designed to quickly compare data for a specific occupation over different geographic entities.

EDUC_XX1.NDX

Key: SUMLEV + CNTY + COUSUBFP + PLACEFP + MSACMSA + EDUC_CODE
 Used By: SP3002XX.DBF SP3003.DBF SP3004XX.DBF
 Purpose: Geography by Educational Attainment
 Designed to quickly locate all educational attainment data for a geographic entity.

EDUC_XX2.NDX

Key: EDUC_CODE + SUMLEV + CNTY + COUSUBFP + PLACEFP + MSACMSA
 Used By: SP3002.DBF SP3003XS.DBF SP3004.DBF
 Purpose: Educational Attainment by Geography
 Designed to quickly compare data for a specific educational attainment category over different geographic entities.

ANPSADPI NDX

Key: ANPSADPI
 Used By: SP300US.DBF
 Purpose: To bring up MSA/CMSA/ and CMSA/PMSA screens in order.

JOBS.NDX

Key: Left (Text, 70)
 Used By: JOBS.DBF
 Purpose: To find the occupation or occupation heading that has been selected by the user.

