

APPENDIX F.

Data Products and User Assistance

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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 also offers data on microfiche, on CD-ROM laser discs

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).

matter detail include less geographic detail.

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
	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
	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

Over 900 cells/ items of 100-percent population and housing counts and characteristics for each geographic area

Over 2,100 cells/ items of 100-percent population and housing counts and characteristics for each geographic area. Each of the STF 2 files will include a set of tabulations for the total population and separate presentations of tabulations by race and Hispanic origin

Over 3,300 cells/ items of sample population and housing characteristics for each geographic area

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. Maps

CONTENTS

Census Tract/Block Numbering Area	
Outline Map Sample	G-4
County Block Map Sample	G-3
County Subdivision Map Sample	G-5
Legend	G-2
Map Descriptions	G-1
Terminology	G-1

There are three map series that relate to the geographic entities for which the Census Bureau provides statistics in the STF 3 data tapes. Copies of these maps will be reproduced on electrostatic plotters in response to orders received by Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233 (301) 763-4100.

MAP DESCRIPTIONS

County Block Maps—These maps depict each county on one or more map sheets at various scales, depending on the county's areal size and the density of the block pattern. (Most counties include multiple map sheets, including inset maps for densely settled areas.) The maps display block numbers and feature identifiers as well as the boundaries, names, and codes for the legal and statistical entities in the county. Each county includes an index map sheet that shows the locations of the map sheets comprising the county set.

Census Tract/Block Numbering Area Outline Maps—These county-based maps depict the boundaries and codes of census tracts or block numbering

areas, the features and feature names underlying the boundaries, and the boundaries and names of counties, county subdivisions, places, and American Indian/Alaska Native areas. Map scales vary to minimize the number of sheets. The maps may include one or more insets for densely settled areas. (The Census Bureau also intends to produce printed versions of these maps, for sale by the Government Printing Office (GPO), starting in 1992.)

County Subdivision Maps—These State-based maps depict the boundaries and names of all counties and statistically equivalent areas, county subdivisions, and places. (The Census Bureau also will publish sectionalized versions of these maps in most 1990 census reports.)

TERMINOLOGY

Refer to appendix A for an explanation of the types of areas. Two terms used in the legend require explanation:

Asterisk(*)—A symbol following a block number to indicate the block number is repeated elsewhere in the block or is shown partially on an adjacent map sheet or on an inset map.

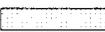
Fishhook(↔)—A map symbol drawn across a physical feature (creek, brook, etc.) or boundary on census maps to show that the areas on both sides of the feature or boundary belong to the same census block.

Legend

LEGEND

<u>SYMBOL DESCRIPTION</u>	<u>SYMBOL</u>	<u>NAME STYLE</u>	<u>FIPS CODE</u>	<u>CENSUS CODE</u>
International	*****	CANADA		
American Indian Reservation	XXXXXXXXXX	CANPO RSVN	10522	(0450)
Trust Land	XXXXXXXXXX		10522	(0450T)
Alaska Native Regional Corporation	◆◆◆◆◆◆◆◆	ALEUT ANRC		(14)
Alaska Native Village Statistical Area, Tribal Jurisdiction Statistical Area, or Tribal Designated Statistical Area	◆◆◆◆◆◆◆◆	KAW TJSA	38870	(5340)
State ¹	//////	NEW YORK	(36)	
County ¹		ERIE COUNTY	(029)	
Minor Civil Division ²	●●●●●●●●	YORK TWP	83908	(070)
Census County Division	●●●●●●●●	KULA DIV	91380	(030)
Incorporated Place	●●●●●●●●	Rome City	63418	(3120)
Census Designated Place	●●●●●●●●	Zena	84187	(4100)
Corporate Corridor	○ ○ ○ ○ ○ ○ ○ ○	1660		
Census Tract or Block Numbering Area		5702.01		
Block Number (With Asterisk) ³	326*			
Fishhook ⁴				
Crew-of-Vessel			2130.99	901Z

Note: An international boundary also depicts a state boundary and a county boundary; a state boundary also depicts a county boundary. The symbols for all other coincident boundaries are shown alternately, as shown in the example:
 e.g.: 

<u>FEATURE</u>	<u>SYMBOL</u>	<u>NAME STYLE</u>
Interstate Highway and Limited Access Road ⁵		Interstate 635
Other Highway ⁵		Rte 101
City Street, Other Connecting Road, or Dirt Road ⁵		Marsh Ln
Jeep Trail, Walkway, or Stairway		Labella Walk
Railroad		
Ferry Crossing		
Pipeline or Power Transmission Line		
Ridge, Fence, Canyon, or Other Physical Feature		RIDGE
Nonvisible Boundary or Other Feature Not Elsewhere Classified		PROPERTY LINE
Perennial Stream, or Shoreline of Perennial Water Body		Tumbling Creek
Intermittent Stream, or Shoreline of Intermittent Water Body		Piney Creek
Large River, Lake, or Other Water Body		Pleasant Lake
Military Installation	N/A	Fort Belvoir
Park (National, State, or Local)		Yosemite
Mountain Peak		Pikes Peak
Inset Area		

¹ State or County; or their equivalent area for statistical purposes.

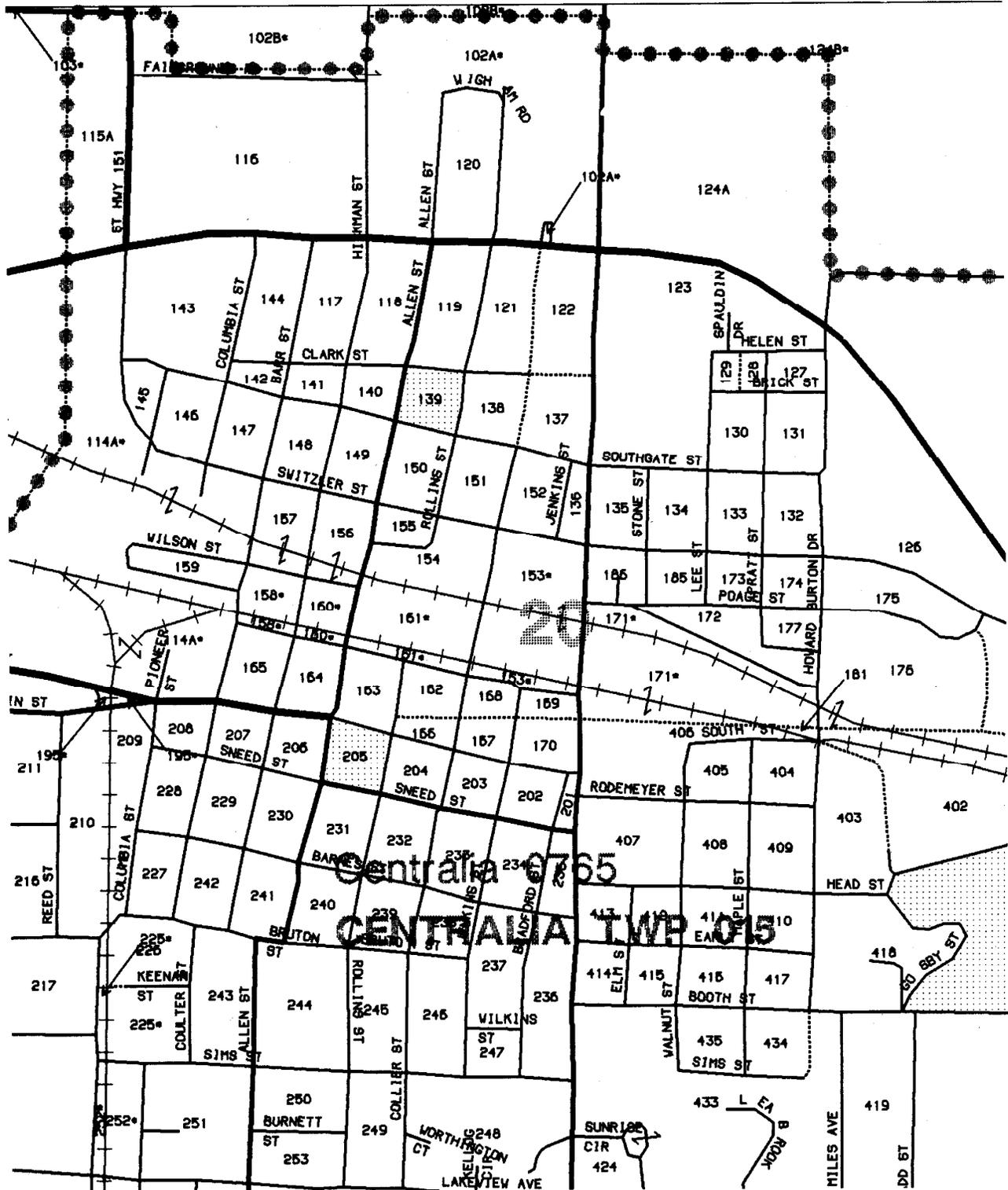
² A five-spoked asterisk following a minor civil division indicates that the minor civil division is coextensive with an incorporated place and has the same name.

³ An asterisk following a block number indicates that the block number is repeated elsewhere in the block or is shown partially on an adjacent map sheet.

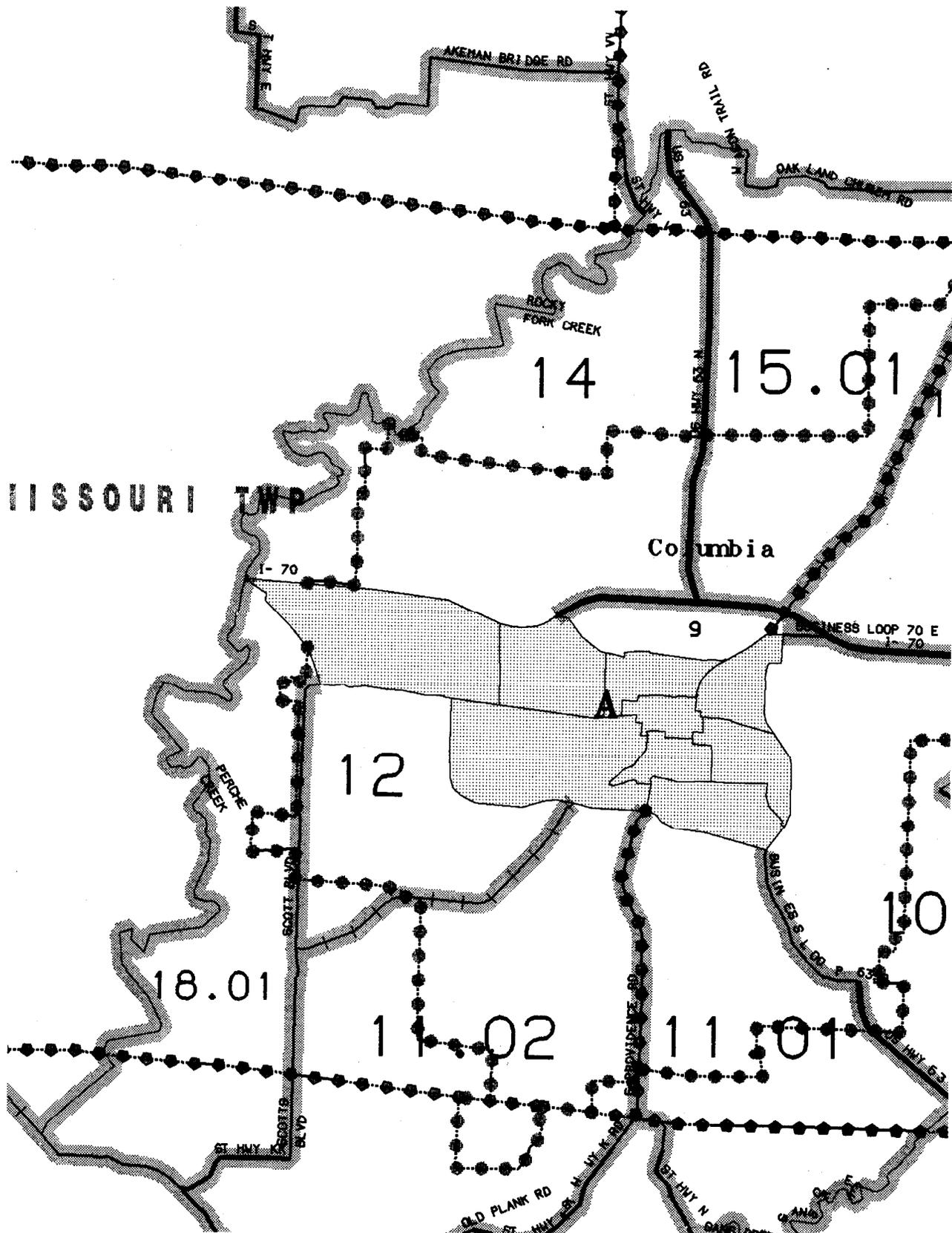
⁴ A fishhook across a map feature or boundary indicates that the areas on both sides of the feature or boundary belong to the same census block.

⁵ A % symbol indicates that there was insufficient space to plot a road name. Road names in parentheses indicate that the road has more than one name.

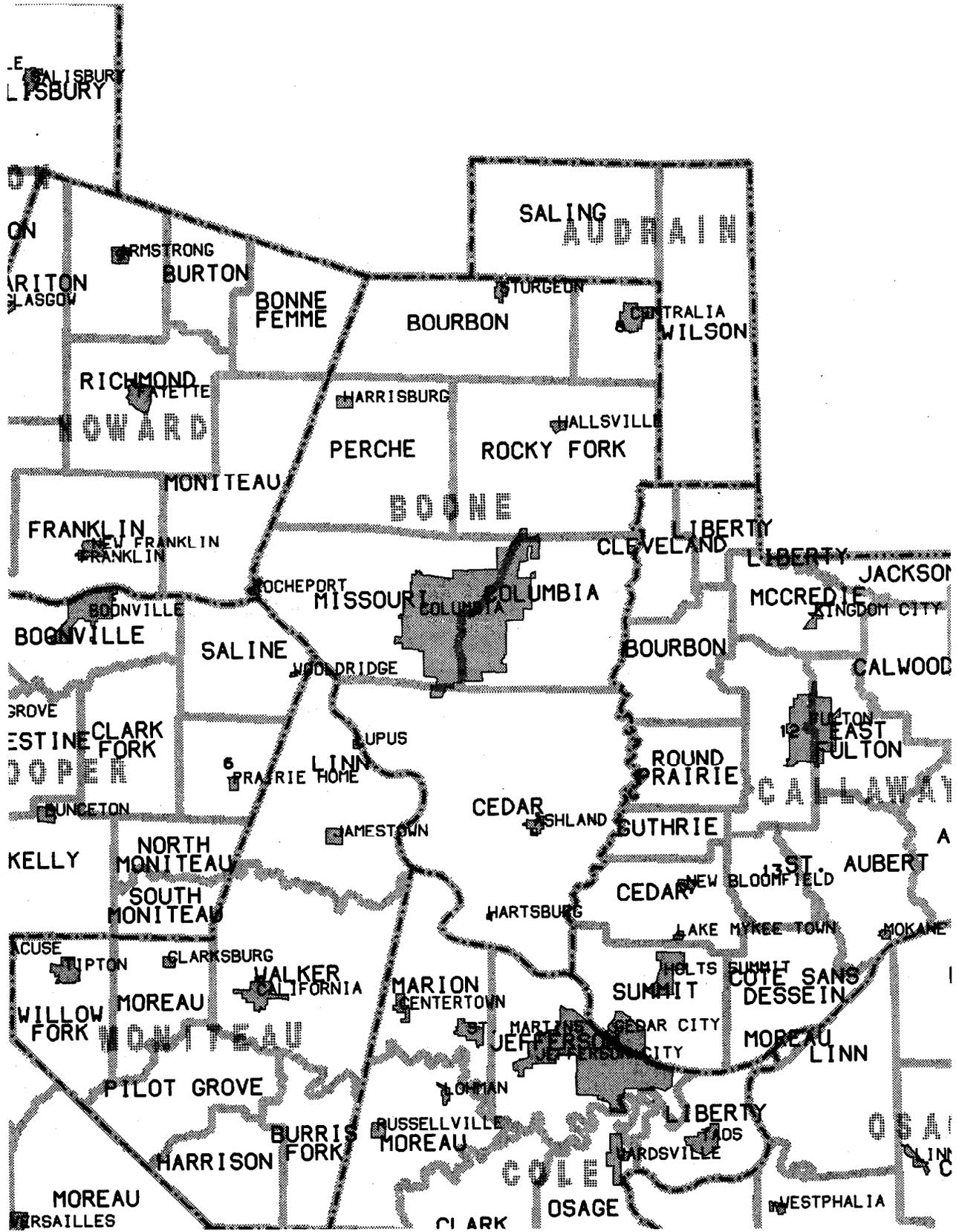
County Block Map Sample



Census Tract/Block Numbering Area Outline Map Sample



County Subdivision Map Sample



APPENDIX H.

Record Layout of Machine-Readable Data Dictionary

CONTENTS

Geographic Description.....	H-1
Table (Matrix) Description.....	H-2

This appendix provides the record layout for the

Geographic Record 1—Con.

31	Blank
32	Number of implied decimals
33-80	Blank

Geographic Record 2—Field Description

a "generic" dictionary that, with some programming, could be converted for use with specific software packages.

GEOGRAPHIC DESCRIPTION

Geographic Record 1—Field Mnemonic, Size, and Type

Position	Description
1-2	Identifier "G1" (Geographic Record 1)
3	Blank
4-11	Field mnemonic (left justified)
12	Blank
13-14	Field size (right justified)
15	Blank
16-18	Data type (left justified) Note: Legal entries are A, N, and A/N
19	Blank
20-24	Begin position (right justified) (Begin position in relation to the entire record)
25	Blank
26-30	Relative begin position (right justified) (Begin position in relation to the record segment)

Example 1

```
G1 FILEID 8 A/N 1 1 0
G2 1 File Identification
```

Example 2

```
G1 PSADC 2 A/N 289 289 0
G2 289 Political/Statistical Area Description Code
G3 289 01 State or State equivalent - no status is appended to the name
G3 289 01 of the entity in census publications and related data products
G3 289 04 Borough - county equivalent in Alaska; "Borough" is appended t
G3 289 04 o the name of the entity in census publications and related da
G3 289 04 ta products
G3 289 05 Census area - county equivalent in Alaska; "Census Area" is ap
G3 289 05 pended to the name of the entity in census publications and re
G3 289 05 lated data products
```

¹Examples are for illustrative purposes and are not specific to this STF.

3	Blank
4-8	Begin position (right justified) (repeat from 20-24 above)
9	Blank
10-80	Field Description (left justified)

Geographic Record 3—Code Identification

Position	Description
1-2	Identifier "G3" (Geographic Record 3)
3	Blank
4-8	Begin position (right justified) (repeat from 20-24 in G1)
9	Blank
10-17	Codes (right justified)
18	Blank
19-80	Code identification (left justified)

Geographic Description Examples¹

Examples of the geographic records are shown below. In example 1, there are no G3 records. G3 records will appear only for fields which have code listings in the technical documentation.

TABLE (MATRIX) DESCRIPTION

Table Record 1—Table Number and Characteristics

Position	Description
1-2	Identifier "T1" (Table Record 1)
3	Blank
4-9	Table (matrix) number (left justified)
10	Blank
11-15	Begin position (right justified) (Begin position in relation to the entire record)
16	Blank
17-21	Relative begin position (right justified) (Begin position in relation to the record segment)
22	Blank
23-24	Cell size for this table (matrix) (right justified)
25	Blank
26	Number of implied decimals for cells in this table (matrix)
27	Blank
28-30	Number of cells in this table (matrix) (right justified)
31	Blank
32-34	Number of variables (right justified)
35-80	Blank

Table Record 2—Table Title

Position	Description
1-2	Identifier "T2" (Table Record 2)
3	Blank
4-9	Table (matrix) number (left justified)
10	Blank
11-80	Table (matrix) title (left justified)

Table Record 3—Universe Description

Position	Description
1-2	Identifier "T3" (Table Record 3)
3	Blank

Example 3

Sex (2) by Marital Status(5) [10]

T1 P14	4423 4423 9 0 10 2	
T2 P14	SEX BY MARITAL STATUS	
T3 P14	Persons 15 years and over	
T4 P14	SEX	2
T4 P14	Male	
T4 P14	Female	
T5 P14	MARITAL STATUS	5
T5 P14	Never married	
T5 P14	Now married, except separated	
T5 P14	Separated	
T5 P14	Widowed	
T5 P14	Divorced	

¹Examples are for illustrative purposes and are not specific to this STF.

Table Record 3—Con.

4-9	Table (matrix) number (left justified)
10	Blank
11-80	Universe Description (left justified)

Table Record 4-N—Table Variable Descriptions

Position	Description
1-2	Identifier "Tn" n = sequence number of variable in the table being described.
3	Blank
4-9	Table (matrix) number (left justified)
10	Blank
11-76	Variable name (left justified)
77	Blank
78-80	Number of categories for this variable (right justified)

Note: Subsequent "T" records with the same "n" will have the variable categories described in positions 11-80.

Filler Record

Position	Description
1-2	Identifier "F1" (Filler Record)
3	Blank
4-7	"FILL"
8-10	Blank
11-15	Begin Position (right justified) (Begin position in relation to the entire record)
16	Blank
17-21	Relative Begin Position (right justified) (Begin position in relation to the record segment)
22	Blank
23-26	Total number of "FILL" blanks
27-80	Blank

Matrix Example¹

See example 3 below.

APPENDIX I. Code Lists

CONTENTS

Ancestry	I-1
Group Quarters	I-17
Hispanic Origin	I-22
Industry	I-24
Language	I-30
Occupation	I-37
Place of Birth	I-50
Race	I-54

ANCESTRY

This section contains the code list for ancestry categories. Each person enumerated in the census had the opportunity to enter two distinct ancestry identities which indicated his or her ethnic origin. Each entry received one of the unique three-digit codes listed below. All codes are listed below. However, not all ancestry entries are listed. The ancestry codes can be aggregated to create commonly recognized national groupings. For example, the code for Walloon can be collapsed with other "Belgian" entries to form a national grouping representative of an area in Europe. National groupings can also be collapsed to represent continental areas. For example, Belgium can be added to France and other European clusters to form a representation of that continent. "n.e.c." is the abbreviation for not elsewhere classified.

000-099	WESTERN EUROPE (EXCEPT SPAIN)	000-099	WESTERN EUROPE (EXCEPT SPAIN)—Con.
000-001	ALSATIAN	011-014	BRITISH
000-001	Alsace Lorraine	011	BRITISH
		011	Great Britain
002	ANDORRAN	011	United Kingdom
002	Andorra	012	BRITISH ISLES
		013	CHANNEL ISLANDER
003-004	AUSTRIAN	013	Guernsey Islander
003	AUSTRIAN	013	Jersey Islander
003	Austria	014	GIBRALTAR
004	TIROL		
004	Tirol	015	CORNISH
		015	Cornwall
005-007	BASQUE	016	CORSICAN
005	BASQUE	016	Corsica
005	Euskalduna		
005	Euzkadi	017-019	CYPRIOT
006	FRENCH BASQUE	017	CYPRIOT
007	SPANISH BASQUE	017	Cyprus
007	Vasco	018	GREEK CYPRIOTE
		019	TURKISH CYPRIOTE
008-010	BELGIAN		
008	BELGIAN	020	DANISH
008	Belgium	020	Denmark
009	FLEMISH		
009	Flanders	021	DUTCH
009	Fleming	021	Holland
009	Vlamand	021	Netherlands
010	WALLOON		

000-099 **WESTERN EUROPE (EXCEPT SPAIN)—Con.**

022 ENGLISH
022 Anglican
022 England
022 Mayflower

023 **FAEROE ISLANDER**
023 Faeroe Islands

024-025 **FINNISH**
024 FINNISH
024 Finland
025 KARELIAN

026-027 **FRENCH**
026 FRENCH
026 France
026 Gascon
026 Hugnot
026 Normandy
027 LORRAINE

028 **BRETON**
028 Breizh
028 Bretagne
028 Brittany

029 **FRISIAN**
029 Friesian Islands

030-031 **FRIULIAN**
030 FRIULIAN
030 Friuli
030 Furlan
031 LADIN

032-045 **GERMAN**
032 GERMAN
032 Germany
033 BAVARIA
034 BERLIN
035 HAMBURG
036 HANNOVER
037 HESSIAN
038 LUBECKER
039 POMERANIAN
040 PRUSSIAN
041 SAXON
042 SUDETENLANDER
043 WESTPHALIAN
044 EAST GERMAN
045 WEST GERMAN
045 Palatinate
045 Rhineland

000-099 **WESTERN EUROPE (EXCEPT SPAIN)—Con.**

046-048 **GREEK**
046 GREEK
046 Greece
047 CRETAN
048 CYCLADES
048 Dodecanese Islander
048 Peloponnesian

049 **ICELANDER**
049 Iceland

050 **IRISH**
050 Black Irish
050 Clare
050 Cork
050 Donegal
050 Dubliner
050 Eire
050 Galway
050 Ireland
050 Irish Free State
050 Kerry
050 Kildare
050 Kilkenny
050 Laoighis
050 Leitrim
050 Leix
050 Limerick
050 Longford
050 Louth
050 Mayo
050 Meath
050 Monaghan
050 Offaly
050 Roscommon
050 Sligo
050 Tipperary
050 Waterford
050 Westmeath
050 Wexford
050 Wicklow

051-074 **ITALIAN**
051 ITALIAN
051 Istria
051 Italy
052 TRIESTE
053 ABRUZZI
054 APULIAN
054 Apulia
055 BASILICATA
055 Lucania
056 CALABRIAN
057 AMALFIN
057 Campania

000-099 WESTERN EUROPE (EXCEPT SPAIN)—Con.

058 EMILIA ROMAGNA
 059 ROME
 059 Lazio
 059 Vatican City
 060 LIGURIAN
 061 LOMBARDIAN
 062 MARCHE
 063 MOLISE
 064 NEAPOLITAN
 065 PIEMONTESE
 066 PUGLIA
 067 SARDINIAN
 068 SICILIAN
 068 Sicily
 069 TOSCANA
 069 Tuscany
 070 TRENTINO
 071 UMBRIAN
 072 VALLE DAOST
 073 VENETIAN
 073 Venezia Giulia
 074 SAN MARINO

 075 LAPP
 075 Lapland
 075 Samelat

 076 LIECHTENSTEINER
 076 Liechtenstein

 077 LUXEMBURGER
 077 Luxemburg

 078 MALTESE
 078 Gozo
 078 Malta

 079 MANX
 079 Isle of Man

 080 MONEGASQUE
 080 Monaco

 081 NORTH IRISH
 081 Antrim
 081 Armagh
 081 Derry
 081 Down
 081 Fermanagh
 081 Londonderry
 081 Northern Ireland
 081 Orangeman
 081 Tyrone
 081 Ulster

000-099 WESTERN EUROPE (EXCEPT SPAIN)—Con.

082 NORWEGIAN
 082 Jan Meyen Islander
 082 Norway
 082 Spitsbergen
 082 Svalbard Islander

 083 OCCITAN
 083 Provence

 084-086 PORTUGUESE
 084 PORTUGUESE
 084 Lusitania
 084 Luso
 084 Portugal
 085 AZORES ISLANDER
 086 MADEIRA ISLANDER

 087 SCOTCH-IRISH
 087 Scot-Irish

 088 SCOTTISH
 088 Orkney Islander
 088 Pict
 088 Scot
 088 Scotland
 088 Shetland Islander

 089-090 SWEDISH
 089 SWEDISH
 089 Sweden
 090 ALAND ISLANDER

 091-096 SWISS
 091 SWISS
 091 Switzerland
 092 SUISSE
 093 SWITZER
 093-094 Schweiz
 095 ROMANSCH
 096 SUISSE ROMANE
 096 Ticino

 097 WELSH
 097 Wales

 098 SCANDINAVIAN
 098 Nordic
 098 Scandinavia

 099 CELTIC
 099 Celtic

100-180	EASTERN EUROPE AND SOVIET UNION	100-180	EASTERN EUROPE AND SOVIET UNION—Con.
100	ALBANIAN	115-116	ESTONIAN
100	Albania	115	ESTONIAN
100	Arberesh	115	Estonia
100	Gheg	116	LIVONIAN
100	Italo Albanian		
100	Kosovo	117-119	FINNO UGRIAN
100	Tosc	117	FINNO UGRIAN
		117	Komi
101	AZERBAIJANI	117	Mari
101	Adjerbajjani	117	Udmurt
101	Azerbaidzhan	118	MORDOVIAN
101	Azeri	119	VOYTAK
102	BELORUSSIAN	120-121	GRUZIIA
102	Byelorussian	120-121	Gruzinets
103	BULGARIAN	122-123	GERMAN FROM RUSSIA
103	Bulgaria	122	GERMAN FROM RUSSIA
103	Bulgaro Macedonian	123	VOLGA
103	Eastern Rumelian	123	Black Sea German
		123	Volhynian German
104-105	CARPATHO RUSYN		
104	CARPATHO RUSYN	124	ROM
104	Carpatho Rus	124	Boyash
104	Carpatho Russian	124	Cali
104	Carpatho Ruthenian	124	Dom
105	CARPATHIAN	124	Gitanos
		124	Gypsy
106	RUSYN	124	Kalderash
106	Rus	124	Luri
106	Rusin	124	Manouche
106	Rusnak	124	Nat
		124	Romnichal
107	RUTHENIAN	124	Senti
107	Ruthenia	124	Xoraxaya
108	COSSACK	125-126	HUNGARIAN
108	Don Cossack	125	HUNGARIAN
108	Orenburg Cossack	125	Hungary
108	Terek Cossack	125	Szekler
108	Ural Cossack	126	MAGYAR
109-110	CROATIAN	127	KALMYK
109	Croatia	127	Kalmuck
109	Dalmatian		
109-110	Zadar	128	LATVIAN
		128	Latvia
		128	Lettish
111-113	CZECH		
111	CZECH		
112	BOHEMIAN	129	LITHUANIAN
113	MORAVIAN	129	Jmoud
		129	Lithuania
114	CZECHOSLOVAKIAN		
114	Czechoslovakia	130	MACEDONIAN
114	Tczechoslovakia	130	Macedonia

100-180	EASTERN EUROPE AND SOVIET UNION—Con.	100-180	EASTERN EUROPE AND SOVIET UNION—Con.
130	Slavophone	152	SERBIAN
131	MONTENEGRIN	152	Serb
131	Orna Gora	153	SLOVAK
132-141	NORTH CAUCASIAN	153	Slovakian
132	NORTH CAUCASIAN	153	Slovjak
132	Abkhazian	154-155	SLOVENE
132	Adyge	154	SLOVENE
132	Avar	154	Slovinc
132	Caucasus Mountains	154	Slovenian
132	Chechen	154	Slovenski
132	Daghestan	155	SORBIAN/WEND
132	Darghinian	155	Lusatian Serb
132	Gortsy	155	Sorb
132	Ingush	155	Wend
132	Kabardinian	155	Wendish
132	Lezghian		
132	Tavlintsy	156-163	SOVIET TURKIC
133	NORTH CAUCASIAN TURKIC	156	SOVIET TURKIC
133	Adzharian	156	Soviet Turk
133	Balkar	157	BASHKIR
133	Cherkess	158	CHUVASH
133	Circassian	159	GAGAUZ
133	Karachay	160	MESKNETIAN
133-139	Kumyk	161-162	TUVINIAN
140-141	OSSETIAN	163	YAKUT
142-143	POLISH	164	SOVIET UNION
142	POLISH	164	Union of Soviet Socialist Republics
142	Gorali		
142	Masurian	165-167	TATAR
142	Poland	165	TATAR
142	Polonia	165	Crimean Tatar
142	Polska	165	Kazan Tatar
143	KASHUBIAN	165	Nogay Tatar
		165	Polish Tatar
144-147	ROMANIAN	165-166	Volga Tatar
144	ROMANIAN	167	SOVIET CENTRAL ASIA
144	Romania	167	Kurile Islander
144	Transylvania	167	Sakhalin Islander
145	BESSARABIAN	167	Siberian
145	Dobruja		
146	MOLDAVIAN	168-170	TURKESTANI
147	WALLACHIAN	168	TURKESTANI
147	Vlach	168	Karakalpak
		168	Kazak
148-151	RUSSIAN	168	Kirghiz
148	RUSSIAN	168	Tadzhik
148	Black Russian	168	Turcoman
148	Great Russian	168	Turkestani
148	Red Russian	168	Turkmen
148	Rossiya	168	Turkoman
148-149	Russia	168	Uiger
150-151	MUSCOVITE	169-170	UZBEG

100-180	EASTERN EUROPE AND SOVIET UNION—Con.	200-299	HISPANIC CATEGORIES (INCLUDING SPAIN)—Con.
171-174	UKRAINIAN	201	ANDALUSIAN
171	UKRANIAN	202	ASTURIAN
171	Little Russian	203	CASTILLIAN
171	Malo Russian		
171	Ukraine	204-209	CATALONIAN
172	LEMKO	204	CATALONIAN
172	Lemkian	204	Catalonia
173	BIOKO	205	BALEARIC ISLANDER
174	HUSEL	205	Mallorca
		206	GALLEGO
175	WINDISH	207	VALENCIAN
175	Prekmurje	208-209	CANARY ISLANDER
175	Windisch		
		210-218	MEXICAN
176-177	YUGOSLAVIAN	210	MEXICAN
176	YUGOSLAVIAN	211	MEXICAN AMERICAN
176	Jugoslavia	212	MEXICANO
177	HERZEGOVINIAN	213	CHICANO
177	Bosanci	214-217	LA RAZA
177	Bosnian Muslim	218	MEXICAN STATE
177	Bosnjaci	218	Aguascalientes
		218	Baja California
178-180	SLAVIC	218	Campeche
178	SLAVIC	218	Chiapas
178	Slav	218	Chihuahua
179-180	SLAVONIAN	218	Coahuila
		218	Colima
181-199	EUROPE, N.E.C.	218	Distrito Federal
181	EUROPE, N.E.C.	218	Durango
181	Central European	218	Guanajuato
181-182	Middle European	218	Guerrero
183	NORTHERN EUROPEAN	218	Hidalgo
183-184	North Europe	218	Jalisco
185	SOUTHERN EUROPEAN	218	Mexico
185-186	South Europe	218	Michoacan
187	WESTERN EUROPEAN	218	Morelos
187-189	West Europe	218	Nayarit
190	EASTERN EUROPEAN	218	Nuevo Leon
190	Byzantine	218	Oaxaca
190	East Europe	218	Puebla
191-192	BUKOVINA	218	Queretaro
193-194	SILESIA	218	Quintana Roo
195	EUROPEAN	218	San Luis Potosi
196	GALICIAN	218	Sinaloa
196-199	Galicia	218	Sonora
		218	Tabasco
200-299	HISPANIC CATEGORIES (INCLUDING SPAIN)	218	Tamaulipas
200-203	SPANIARD	218	Tlaxcala
200	SPANIARD	218	Vera Cruz
200	Espanola	218	Yucatan
200	Iberian	218	Zacatecas
200	Spain	219-221	COSTA RICAN
		219	Costa Rica
		219-221	Costarricense

**200-299 HISPANIC CATEGORIES
(INCLUDING SPAIN)—Con.**

222 GUATEMALAN
222 Guatemala

223 HONDURAN
223 Honduras

224 NICARAGUAN
224 Nicaragua

225 PANAMANIAN
225 Panama

226 SALVADORAN
226 El Salvador
226 Salvadorian

227-228 CENTRAL AMERICAN
227-228 Central America

229-230 CANAL ZONE

231 ARGENTINEAN
231 Argentine

232 BOLIVIAN
232 Bolivia

233 CHILEAN
233 Chile

234 COLOMBIAN
234 Antiochio
234 Colombia

235 ECUADORIAN
235 Ecuador
235 Galapagos Islander

236 PARAGUAYAN
236 Paraguay

237 PERUVIAN
237 Peru

238 URUGUAYAN
238 Uruguay

239 VENEZUELAN
239 Venezuela

240-248 CRIOLLO
240-248 Criolla

249 SOUTH AMERICAN
249 America Del Sur

**200-299 HISPANIC CATEGORIES
(INCLUDING SPAIN)—Con.**

249 Sudamerica

250-260 LATIN AMERICAN
250 LATIN AMERICAN
250 America Latina
250 Latinoamericana
251 LATIN
252-260 LATINO

261-270 PUERTO RICAN
261 Boricua
261 Borinquena
261 New York Puerto Rican
261 Puerto Rico
261-270 Puertorriqueno

271-274 CUBAN
271 Cuba
271 Cubana
271-274 Guajiro

275 DOMINICAN
275 Dominican Republic
275 Dominicana
275 Santo Domingo

276-290 HISPANIC
276-290 Hispano

291-299 SPANISH
292 CALIFORNIO
293 TEJANO
293 Tejana
294 NUEVO MEXICANO
295-299 SPANISH AMERICAN

**300-359 WEST INDIES (EXCEPT
HISPANIC)**

300 BAHAMIAN
300 Bahamas

301 BARBADIAN
301 Barbados

302 BELIZEAN
302 Belize
302 British Honduran

303 BERMUDAN
303 Bermuda

304-307 CAYMAN ISLANDER

308-309 JAMAICAN
308-309 Jamaica

300-359	WEST INDIES (EXCEPT HISPANIC)—Con.	300-359	WEST INDIES (EXCEPT HISPANIC)—Con.
310-313	DUTCH WEST INDIES	332-334	FRENCH WEST INDIES
310	DUTCH WEST INDIES	332	FRENCH WEST INDIES
310	Black Dutch	332	French West Indian
310	Netherlands Antilles	333	GUADELOUPE ISLANDER
311	ARUBA ISLANDER	333	Martinicois
311	Bonaire Islander	333	Martinique Islander
311	Curacao Islander	334	CAYENNE
312-313	ST. MAARTEN ISLANDER	334	French Guiana
312	Saba Islander	334	French Guianese
312-313	St. Eustatius Islander	334	Guyane
314-316	TRINIDADIAN TOBAGONIAN	335	WEST INDIAN
314	TRINIDADIAN TOBAGONIAN	335	West Indies
315	TRINIDADIAN	335	Arawak
316	TOBAGONIAN	335	Caribs
317-320	U.S. VIRGIN ISLANDER	335	Caribbean
317	U.S. VIRGIN ISLANDER	335	Garifuna
318	ST. CROIX ISLANDER	336-359	HAITIAN
318	Crucian	336-359	Haiti
318	Santa Cruz		
319	ST. JOHN ISLANDER	360-399	CENTRAL AND SOUTH AMERICA (EXCEPT HISPANIC)
320	ST. THOMAS ISLANDER		
321-331	BRITISH WEST INDIES	360-364	BRAZILIAN
321	BRITISH VIRGIN ISLANDER	360-364	Brazil
321	Tortolan	365-369	SAN ANDRES
321	Virgin Gorda	370-374	GUYANESE
321	Anegada	370	British Guiana
321	Jost Van Dyke	370-374	Guyana
321	Peter and Norman		
322	BRITISH WEST INDIAN	375-379	PROVIDENCIA
322	British West Indies		
323	TURKS AND CAICOS ISLANDER	380-399	SURINAM
324	ANGUILLA ISLANDER	380	Dutch Guiana
325	ANTIGUA AND BARBUDA	380-399	Netherlands Guiana
325	Antigua		
325	Barbuda	400-499	NORTH AFRICA AND SOUTHWEST ASIA
325	Redonda Islander		
326	MONTSERRAT ISLANDER	400-401	ALGERIAN
327	KITTS-NEVIS ISLANDER	400-401	Algeria
327	St. Christopoher Islander	402-403	EGYPTIAN
327	Sombrero Islander	402	Copt
327	St. Kitts	402	Egypt
327	Nevis	402-403	Fellahin
328	DOMINICA ISLANDER	404-405	LIBYAN
329	GRENADIAN	404-405	Libya
329	Grenada Islander	406-407	MOROCCAN
330	VINCENT-GRENADINE ISLANDER	406	MOROCCAN
330	St. Vincent Island	406	Moor
330	Vincentian	407	IFNI
330	Grenadines Islander		
331	ST. LUCIA ISLANDER		

**400-499 NORTH AFRICA AND
SOUTHWEST ASIA—Con.**

408-410 TUNISIAN
408-410 Tunisia

411 NORTH AFRICAN

412 ALHUCEMAS
412 Ceuta
412 Chafarinas
412 Melilla

413 BERBER

414 RIO DE ORO
414 Saguia El Hamra

415 BAHRAINI
415 Bahrain

416 IRANIAN
416 Iran
416 Parsi
416 Persia

417-418 IRAQI
417-418 Iraq

419-420 ISRAELI
419-420 Israel

421-422 JORDANIAN
421 JORDANIAN
421 Hashemite
421 Jordan
422 TRANSJORDAN

423-424 KUWAITI
423-424 Kuwait

425-426 LEBANESE
425 Lebanon
425-426 Maronite

427-428 SAUDI ARABIAN
427-428 Saudi Arabia

429-430 SYRIAN
429 Djebel Druze
429 Latakia
429-430 Syria

431-433 ARMENIAN
431-433 Armenia

434 TURKISH
434 Turkey

**400-499 NORTH AFRICA AND
SOUTHWEST ASIA—Con.**

435 YEMENI
435 Yemen Arab Republic

436-441 OMANI
436 OMANI
437 MUSCAT
438 TRUCIAL STATES
438 Trucial Oman
439-440 QATAR
441 BEDOUIN

442-464 KURDISH
442-443 KURDISH
444-464 KURIA MURIA ISLANDER

465-469 PALESTINIAN
465 PALESTINIAN
466 GAZA STRIP
467-469 WEST BANK

470-479 SOUTH YEMEN
470 SOUTH YEMEN
470 Democratic Republic of Yemen
471-479 ADEN

480-481 UNITED ARAB EMIRATES
480 Abu Dhabi
480 Ajman
480 Dubai
480 Fujairah
480 Ras Al Kaimah
480 Sharjah
480-481 Umm Al Qaiwain

482-489 ASSYRIAN
482 Aramean
482 Assyria
482 Chaldean
482 Chaldo
482 Jacobite
482 Kaldany
482 Kaldu
482 Kasddem
482 Kasdu
482 Nestorian
482-489 Telkeffee

490-494 MIDEAST
490-494 Middle Eastern

495-499 ARAB
495 ARAB
495 Arabia
496-499 ARABIC

500-599	SUBSAHARAN AFRICA	500-599	SUBSAHARAN AFRICA—Con.
500-501	ANGOLAN	529	GHANIAN
500	Angola	529	Ashanti
500-501	Cabinda	529	Ghana
		529	Gold Coast
502-503	BENIN	529	TWI
502	Dahomey		
502-503	Fon	530	GUINEAN
		530	Guinea
504-505	BOTSWANA		
504-505	Bechuana	531	GUINEA BISSAU
506-507	BURUNDIAN	532-533	IVORY COAST
506-507	Urundi		
508-509	CAMEROONIAN	534-537	KENYAN
508	Cameroon	534-537	Kenya
508-509	Fako		
		538-540	LESOTHO
		538-540	Basuto
510-511	CAPE VERDEAN		
510	Brava	541-542	LIBERIAN
510-511	Cape Verde Islander	541-542	Liberia
512	CENTRAL AFRICAN REPUBLIC	543-544	MADAGASCAN
512	Ubangi Shari	543-544	Madagascar
513-514	CHADIAN	545	MALAWIAN
513-514	Chad	545	Malawi
515-518	CONGOLESE	546	MALIAN
515	CONGOLESE	546	Mali
516-518	CONGO BRAZZAVILLE		
		547-548	MAURITANIAN
519	DJIBOUTI	547-548	Mauritania
519	Afars And Issas		
519	Jibuti	549	MOZAMBICAN
		549	Mozambique
520-521	EQUATORIAL GUINEA		
520	EQUATORIAL GUINEA	550	NAMIBIAN
520	Rio Muni	550	Namibia
521	CORSICO ISLANDER		
521	Annobon Islander	551-552	NIGER
521	Bioko Islander		
521	Elobeis Islander	553-560	NIGERIAN
521	Fernando Po Islander	553	NIGERIAN
		553	Nigeria
522-524	ETHIOPIAN	554	FULAH
522	ETHIOPIAN	554	Fulani
522	Abyssinia	555	HAUSA
522	Ethiopia	556	IBO
523-524	ERITREAN	557	TIV
		558-560	YORUBA
525-526	GABONESE		
525-526	Gabon	561-563	RWANDAN
		561-563	Rwanda
527-528	GAMBIAN		
527-528	Gambia		

500-599 SUBSAHARAN AFRICA—Con.

564-565 SENEGALESE
 564 Dakar
 564-565 Senegal

566-567 SIERRA LEONEAN
 566-567 Sierra Leone

568 SOMALIAN
 568 Somali Republic
 568 Somalia

569 SWAZILAND

570-573 SOUTH AFRICAN
 570 SOUTH AFRICAN
 571 UNION OF SOUTH AFRICA
 571 Orange Free State
 571 Pretoria
 571 Transkei
 571 Transvaal
 572 AFRIKANER
 572 Boer
 573 NATALIAN

574-575 ZULU
 574-575 Zululand

576-581 SUDANESE
 576 SUDANESE
 576 Sudan
 577 DINKA
 578 NUER
 579 FUR
 579 Darfur
 580-581 BAGGARA

582-585 TANZANIAN
 582 TANZANIAN
 582 Tanzania
 583 TANGANYIKAN
 584-585 ZANZIBAR ISLANDER

586-587 TOGO
 586-587 Togoland

588 UGANDAN
 588 Lugbara
 588 Uganda

589-590 UPPER VOLTAN
 589 UPPER VOLTAN
 590 VOLTA

591 ZAIRIAN
 591 Belgian Congo
 591 Congo Kinshasa

500-599 SUBSAHARAN AFRICA—Con.

591 Zaire

592 ZAMBIAN
 592 Zambia

593 ZIMBABWEAN
 593 Rhodesia
 593 Zimbabwe

594-595 AFRICA ISLANDS (EXCEPT
 MADAGASCAR)
 AFRICA ISLANDS
 594 Comoros Islander
 594 Principe Islander
 594 Reunion Islander
 594 Sao Tome Islander
 594 Seychelles Islander
 594 St. Helena Islander
 594 St. Pierre Islander
 594 Tristan De Cunha Islander
 595 MAURITIAN
 595 Mauritius Islander

596-599 SUBSAHARAN AFRICAN, N.E.C.
 CENTRAL AFRICAN
 596 Central Africa
 596 Middle Congo
 EAST AFRICAN
 597 East Africa
 597 Galla
 597 Kikuyu
 597 Masai
 WEST AFRICAN
 598 West Africa
 599 AFRICAN
 599 Africa

600-699 SOUTH ASIA

600-602 AFGHANISTAN
 600 AFGHANISTAN
 601 BALUCHISTAN
 602 PATHAN

603-606 BANGLADESHI
 603 Bangladesh
 603-606 East Pakistan

607-608 BHUTANESE
 607-608 Bhotan

609-614 NEPALI
 609-614 Nepal

615-679 ASIAN INDIAN
 615 ASIAN INDIAN
 615 Behar

600-699

SOUTH ASIA—Con.
 615 Dravidian
 615 Hindu
 615 Indo Aryan
 615 Sikh
 616-617 KASHMIR
 618-619 BENGALI
 620-621 EAST INDIAN
 622 ANDAMAN ISLANDER
 622-623 Nocobar Islander
 624-625 ANDHRA PRADESH
 626-627 ASSAMESE
 628-629 GOANESE
 630-631 GUJARATI
 632-633 KARNATAKAN
 634-635 KERALAN
 636-637 MADHYA PRADESH
 638-639 MAHARASHTRAN
 640-641 MADRAS
 642-643 MYSORE
 644-645 NAGALAND
 646-647 ORISSA
 648-649 PONDICHERRY
 650-651 PUNJAB
 652-653 RAJASTHAN
 654-655 SIKKIM
 656-657 TAMIL NADU
 658-674 UTTAR PRADESH
 675-679 EAST INDIES

680-689

PAKISTANI
 680 Jammu
 680 Pakistan
 680 Sind
 680-689 West Pakistan

690-694

SRI LANKAN
 690 SRI LANKAN
 690 Ceylon
 690 Sri Lanka
 691 SINGHALESE
 692-694 VEDDAH

695-699

MALDIVIAN
 695 Kampuchean
 695-699 Maldive Islander

700-799

OTHER ASIA
 700-702 BURMESE
 700 BURMESE
 700 Cachin
 700 Karen
 700 Mon
 700-701 Palaung
 702 SHAN

700-799

703-705
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718-719**720-729**

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741

OTHER ASIA—Con.

CAMBODIAN
 CAMBODIAN
 Cambodia
 Kampuchea
 KHMER

CHINESE

CHINESE

China

Jehol

Sino Chinese

Yao

CANTONESE

MANCHURIA

MANDARIN

MONGOLIAN

Buriat

Mongolia

TIBETAN

Tibet

HONG KONG

Hong Kong Chinese

Eastern Archipelago

Riau Islander

MACAO**FILIPINO**

Cebuanos

Philippines

Tagalog

INDONESIAN

INDONESIAN

Ascension Islander

Bangka

Billiton

Celebes Islander

Dutch East Indian

Indonesia

Molucca Islander

Portuguese Timor

Spice Islander

Sulawesi Islander

BORNEO

JAVA

SUMATRA

JAPANESE

JAPANESE

Japan

Nipponese

ISSEI

700-799 OTHER ASIA—Con.

742 NISEI
 743 SANSEI
 744 YONSEI
 745 GONSEI

746-747 RYUKYU ISLANDER
 746-747 Northern Ryukyu Islander

748-749 OKINAWAN
 748-749 Okinawa

750-764 KOREAN
 750 Chosen
 750-764 Korea

765-767 LAOTIAN
 765 LAOTIAN
 765 Lao
 765 Laos
 766-767 MEO

768-769 HMONG
 768 Hmongtana
 768 Laohmong
 768-769 Mong

770 MALAYSIAN
 770 Malaysia
 770 Sakai
 770 Semang
 770 Senoi

771-773 NORTH BORNEO
 771 Brunei
 771 Sabah
 771-773 Sarawak

774-775 SINGAPOREAN
 774-775 Singapore

776-781 THAI
 776 THAI
 776 Siam
 776 Thailand
 777 BLACK THAI
 777 Thai Dam
 778-781 WESTERN LAO

782 TAIWANESE
 782 Taiwan

783-784 FORMOSAN
 783-784 Formosa

700-799 OTHER ASIA—Con.

785-789 VIETNAMESE
 785 VIETNAMESE
 785 Anam
 785 Vietnam
 786 KATU
 787 MA
 788-789 MNONG

790-791 MONTAGNARD
 790-791 Cham

792 INDO CHINESE
 792 Indochina

793 EURASIAN
 793 Indoeuropean

794 AMERASIAN

795-799 ASIAN
 795 Asia
 795-799 Orient

800-899 PACIFIC

800-802 AUSTRALIAN
 800 AUSTRALIAN
 800 Australia
 800 New South Wales
 800 Northern Territory
 800 Queensland
 800 Victoria
 801 TASMANIAN
 802 AUSTRALIAN ABORIGINE

803-807 NEW ZEALANDER
 803-807 New Zealand

808-810 POLYNESIAN
 808 POLYNESIAN
 808 Norfolk Islander
 809 KAPINGAMARANGAN
 809 Nukuoroan
 810 MAORI

811-813 HAWAIIAN
 811 HAWAIIAN
 811 Mixed Hawaiian
 811-812 Native Hawaiian
 813 PART HAWAIIAN

814, 861 SAMOAN
 814 SAMOAN
 814 Samoa
 861 PART-SAMOAN

800-899	PACIFIC—Con.	800-899	PACIFIC—Con.
815	TONGAN	830	Satawalese
815	Tonga	830	Ulithian
		830	Woleaian
816	TOKELAUAN		
816	Tokelau Islander	831	KIRIBATESE
		831	Gilbertese
817	COOK ISLANDER		
		832-833	NAURUAN
818	TAHITIAN	832	NAURUAN
818	French Polynesia	833	TARAWA ISLANDER
818	Society Islander		
		834-839	TINIAN
819	NIUEAN		
		840	MELANESIAN
820	MICRONESIAN		
820	Micronesia Islander	841-842	FIJIAN
820	U.S. Trust Territory of the Pacific	841-842	Fiji
821-822	GUAMANIAN	843-844	NEW GUINEAN
821	GUAMANIAN	843	NEW GUINEAN
821	Guam	844	PAPUAN
822	CHAMORRO ISLANDER		
		845	SOLOMON ISLANDER
823	SAIPANESE	845	British Solomons
823	Northern Marianas Islander		
823	Saipan Islander	846	NEW CALEDONIAN
824	PALAUAN	847-849	VANUATUAN
		847	New Hebrides Islander
825	MARSHALLESE	847-849	Ni Vanuatu
825	Marshall Islander		
		850-859	PACIFIC ISLANDER
826	KOSRAEAN	850	Campbell Islander
		850	Christmas Islander
827	PONAPEAN (POHNPEIAN)	850	Kermadec Islander
827	Mokilese	850	Midway Islander
827	Ngatikese	850	Phoenix Islander
827	Pinglapese	850-859	Wake Islander
828	TRUKESE (CHUUKESE)	860	PACIFIC
828	Hall Islander	860	Oceania
828	Mortlockese		
828	Namanouito	861	See SAMOAN (code 814)
828	Pulapese		
828	Pulasukese	862	CHAMOLINIAN
828	Pulawatese		
828	Tamatamian	863-899	RESERVE CODE
828	Ulul	864	RESERVE CODE 1
		865	RESERVE CODE 2
829	YAPESE	866	RESERVE CODE 3
		867	RESERVE CODE 4
		868	RESERVE CODE 5
830	CAROLINIAN	869	RESERVE CODE 6
830	Eauripikese	870	RESERVE CODE 7
830	Faisian	871	RESERVE CODE 8
830	Ifalukese	872	RESERVE CODE 9
830	Lamotrekese		

800-899**PACIFIC—Con.**

873 RESERVE CODE 10
 874 RESERVE CODE 11
 875 RESERVE CODE 12
 876 RESERVE CODE 13
 877 RESERVE CODE 14
 878 RESERVE CODE 15
 879 RESERVE CODE 16
 880 RESERVE CODE 17
 881 RESERVE CODE 18
 882 RESERVE CODE 19
 883 RESERVE CODE 20
 884 RESERVE CODE 21
 885 RESERVE CODE 22
 886 RESERVE CODE 23
 887 RESERVE CODE 24
 888 RESERVE CODE 25
 889 RESERVE CODE 26
 890 RESERVE CODE 27
 891 RESERVE CODE 28
 892 RESERVE CODE 29
 893 RESERVE CODE 30
 894 RESERVE CODE 31
 895 RESERVE CODE 32
 896 RESERVE CODE 33
 897 RESERVE CODE 34
 898 RESERVE CODE 35
 899 RESERVE CODE 36

900-994**NORTH AMERICA (EXCEPT HISPANIC)**

900-912 AFRICAN AMERICAN
 900 AFRO AMERICAN
 901 AFRO
 902 AFRICAN AMERICAN
 903 BLACK
 904 NEGRO
 905 NONWHITE
 906 COLORED
 906 Bilalian
 906 Nigritian
 907 CREOLE
 908-912 MULATTO

 913-923 NATIVE AMERICAN
 913 CENTRAL AMERICAN INDIAN
 914-918 SOUTH AMERICAN INDIAN
 919 CHEROKEE
 920 AMERICAN INDIAN
 921 ALEUT
 922 ESKIMO
 923 INUIT

 924-928 WHITE
 924 WHITE
 924 Caucasian

900-994**NORTH AMERICA (EXCEPT HISPANIC)—Con.**

925 ANGLO
 925 Swamp Yankee
 925-926 Wasp
 927 APPALACHIAN
 927 Hillbilly
 928 ARYAN

 929 PENNSYLVANIA GERMAN
 929 Amish
 929 Pennsylvania Dutch
 929 Mennonite
 929 Hutterite

 930 GREENLANDER

 931-934 CANADIAN
 931 CANADIAN
 931 Albertan
 931 British Columbia
 931 Canada
 931 Labrador
 931 Manitoba
 931 New Brunswick
 931 Ontario
 931 Prince Edward Islander
 931 Saskatchewan
 931 Yukon
 931-932 NEWFOUNDLAND
 933 NOVA SCOTIA
 934

 935 FRENCH CANADIAN
 935 Canadien
 935 Franco American
 935 Quebec
 935 Quebecols

 936-938 ACADIAN/CAJUN
 936 ACADIAN
 936 Acadia
 937-938 CAJUN

 939 AMERICAN

 940-992 UNITED STATES
 940 UNITED STATES
 941 ALABAMA
 942 ALASKA
 943 ARIZONA
 944 ARKANSAS
 945 CALIFORNIA
 946 COLORADO
 947 CONNECTICUT
 948 DISTRICT OF COLUMBIA
 949 DELAWARE
 950 FLORIDA

900-994

**NORTH AMERICA (EXCEPT
HISPANIC)—Con.**

951 IDAHO
 952 ILLINOIS
 953 INDIANA
 954 IOWA
 955 KANSAS
 956 KENTUCKY
 957 LOUISIANA
 958 MAINE
 959 MARYLAND
 960 MASSACHUSETTS
 961 MICHIGAN
 962 MINNESOTA
 963 MISSISSIPPI
 964 MISSOURI
 965 MONTANA
 966 NEBRASKA
 967 NEVADA
 968 NEW HAMPSHIRE
 969 NEW JERSEY
 970 NEW MEXICO
 971 NEW YORK
 972 NORTH CAROLINA
 973 NORTH DAKOTA
 974-975 OHIO
 976 OKLAHOMA
 977 OREGON
 978 PENNSYLVANIA
 979 RHODE ISLAND
 980 SOUTH CAROLINA
 981 SOUTH DAKOTA
 982 TENNESSEE
 983 TEXAS
 984 UTAH
 985 VERMONT
 986 VIRGINIA
 987 WASHINGTON
 988 WEST VIRGINIA
 989 WISCONSIN
 990 WYOMING
 991-992 GEORGIA

 993 SOUTHERNER

 994 NORTH AMERICAN
 994 North America

995-999

RESIDUAL AND NO RESPONSE

995 MIXTURE
 996-997 UNCODABLE ENTRIES
 998 OTHER RESPONSES
 998 Adventist
 998 Agnostic
 998 Apostolic
 998 Ashkenazim Jew
 998 Atheist
 998 Bahai
 998 Baptist
 998 Brethren
 998 Buddhist
 998 Catholic
 998 Christian
 998 Christian Scientist
 998 Congregationalist
 998 Episcopal
 998 Evangelist
 998 Hebrew
 998 Holiness
 998 Islam
 998 Jain
 998 Jehovahs Witnesses
 998 Jewish
 998 Latter Day Saints
 998 Lutheran
 998 Methodist
 998 Mormon
 998 Muslim
 998 Orthodox
 998 Pentecostal
 998 Presbyterian
 998 Protestant
 998 Quaker
 998 Roman Catholic
 998 Salvation Army
 998 Sephardic
 998 Seventh Day Adventist
 998 Shiite
 998 Unitarian
 998 Yiddish
 998 Zoroastrian
 999 NOT REPORTED

GROUP QUARTERS

This section contains the alphabetical code list for group quarters. The group quarters code list was used by special place prelist enumerators to classify each type of group quarters. Each group quarters code is a two-digit number followed by either an "I" (institutional) or "N" (noninstitutional) suffix. The group quarters codes listed in the second column are for staff residing in group quarters.

GQ codes	Staff residents GQ codes	
87-N	--	A. College Quarters Off Campus (Code only if occupied by 10 or more unrelated persons. If less than 10, these are classified as a housing unit.)
		B. Correctional Institutions
22-I	22-N	1. <i>Federal Detention Centers</i> : Including Park Police, Bureau of Indian Affairs, Immigration and Naturalization Service (INS) centers, INS detention centers operated within local jails, and State and Federal prisons. INS detention centers also include INS Federal Alien Detention Facilities, INS Service Processing Centers, and INS Contract Detention Centers used to detain aliens under exclusion or deportation proceedings and aliens who require custodial departures.
21-I	21-N	2. <i>Federal Prisons</i> : Including criminally insane wards operated by a Federal prison within a mental or general hospital. If ward is not operated by a prison, code according to paragraph H4. For detention centers within Federal prisons, see B1 above.
23-I	23-N	3. <i>Halfway Houses</i> : Operated for correctional purposes, including probation and restitution centers, prerelease centers, and community-residential treatment centers.
27-I	27-N	4. <i>Local (County/City) Jails and Other Local Confinement Facilities</i> : Including work farms used to hold persons awaiting trial or serving time on relatively short sentences (usually of a year or less), and jails run by private businesses under contract.
95-I	95-N	5. <i>Military Stockades, Jails</i>
28-I	28-N	6. <i>Police Lockups</i> : Temporary-holding facilities or other facilities that hold persons only if they have not been formally charged in court (usually detained less than 48 hours).
24-I	24-N	7. <i>State Prisons</i> : Prisons run by private businesses (under contract); including criminally insane wards operated by a State prison within a mental or general hospital. If ward is not operated by a prison, code according to paragraph H4.
20-I	20-N	8. <i>Other Types of Correctional Institutions</i> : Including private correctional facilities and correctional facilities specifically for alcohol/drug abuse. (Use only as a last resort if no other type code applies.)
91-N	--	C. Crews of Civilian Vessels
		D. Dormitories
92-N	--	1. <i>Agriculture Workers' Dormitories on Farms</i> : Including migratory farm workers' camps on farms, bunkhouses for ranch hands, and other dormitories on farms including those on "tree farms."
87-N	--	2. <i>College Student Dormitories, and Fraternity and Sorority Houses (on campus)</i> : Including residential quarters for those in religious orders.
86-N	--	3. <i>Dormitories for Nurses and Interns in General and Military Hospitals</i>
97-N	--	4. <i>Military Quarters on Base</i> : Including barracks, bachelor officers quarters, unaccompanied officer personnel housing, unaccompanied enlisted personnel housing, and similar noninstitutional group living quarters for military personnel.
93-N	--	5. <i>Other Workers' Dormitories</i> : Including logging camps, construction workers' camps, fire-house dormitories, job-training camps, energy enclave (Alaska only), Alaskan pipeline camps, nonfarm migratory workers' camps, such as workers who lay oil and gas pipelines.
		6. <i>Runaway, Neglected, and Homeless Children</i> : Including emergency shelters/group homes which provide temporary sleeping facilities for juveniles, see paragraph F2.

GQ codes Staff residents GQ codes

E. Elderly: Skilled nursing facilities, intermediate care facilities, long-term care rooms in wards or buildings on the grounds of hospitals, nursing, convalescent, and rest homes including soldiers', sailors', veterans', and fraternal or religious homes for the aged, with or without nursing care.

NOTE: Do not include dormitories for nurses' and interns'; see paragraph D3.

1. *Public Ownership*

- 62-I 62-N a. Federal ownership: Including Veterans' Administration, domiciliary homes, and U.S. Naval homes.
- 63-I 63-N b. State ownership
- 64-I 64-N c. County or city ownership
- 65-I 65-N d. Don't know if Federal, State, or county-city ownership (Use only as a last resort if no other type code applies.)

2. *Private Ownership*

- 66-I 66-N a. Private not-for-profit
- 67-I 67-N b. Private for profit
- 60-I 60-N c. Don't know if for profit or not (Use only as a last resort if no other type code applies.)
- 61-I 61-N 3. *Don't Know if Federal, State, Local, or Private Ownership* (Use only as a last resort if no other type code applies.)

F. Emergency Shelter/Street Night Enumeration ("S-NIGHT")

- 82-N -- 1. *Shelters for the Homeless with Sleeping Facilities:* Including emergency housing, missions and flophouses, Salvation Army shelters, hotels and motels charging \$12 or less a night (excluding taxes), hotels and motels used entirely for homeless persons, the group of rooms in hotels and motels used partially for the homeless, and similar places known to have persons with no usual home elsewhere who stay overnight.
- 83-N -- 2. *Runaway, Neglected, and Homeless Children:* Including emergency shelters/group homes which provide temporary sleeping facilities for juveniles.
- 84-N -- 3. *Street Enumeration – Predesignated Sites*
 - a. Nonstructure locations, other than commerce places: Including street corners, parks, bridges, abandoned and boarded-up buildings, noncommercial campsites ("tent cities"), and similar sites.
 - b. Commerce places: Including railroad stations, airports, bus depots, subway stations, all-night movie theaters, all-night restaurants, emergency hospital waiting rooms, and other similar predesignated sites.
- 75-N -- 4. *Shelters for Abused Women* (Shelters against domestic violence)

G. Group Homes: Including those providing community-based care and supportive services such as halfway houses for the groups listed below. (Code only if occupied by 10 or more unrelated persons. If less than 10, these are classified as a housing unit.)

- 76-N -- 1. *Drug/Alcohol Abuse:* Including group homes, detoxification centers, quarterway houses such as residential treatment facilities that work closely with an accredited hospital, halfway houses, recovery homes for ambulatory, and mentally competent recovering alcoholics who may be re-entering the work force. (Ask usual home elsewhere in these places. Include as living there only persons who have no usual home elsewhere.)
- 29-N -- 2. *Maternity* (Homes for unwed mothers) (Ask usual home elsewhere in these places. Include as living there only persons who have no usual home elsewhere.)
- 3. *Mentally Ill*
 - 16-N -- a. Federal
 - 17-N -- b. State
 - 18-N -- c. Private
 - 19-N -- d. Don't know if public/private ownership (Use only as a last resort if no other type code applies.)

GQ codes Staff residents GQ codes

G. Group Homes—Con.

4. Mentally Retarded

- 56-N -- a. Federal
- 57-N -- b. State
- 58-N -- c. Private
- 59-N -- d. Don't know if public/private ownership (Use only as a last resort if no other type code applies.)

5. Physically Handicapped

- 72-N -- a. Public ownership
- 73-N -- b. Private ownership
- 74-N -- c. Don't know if public/private ownership (Use only as a last resort if no other type code applies.)

6. Runaway, Neglected, and Homeless Children: Including emergency shelters/group homes which provide temporary sleeping facilities for juveniles, see paragraph F2.

- 79-N -- **7. Other Group Homes:** Including communes, foster care homes and job corps centers with 10 or more unrelated children. Do not include emergency housing for persons with no other home. See paragraph F1. (Use only as a last resort if no other type code applies.)

H. Hospitals/Schools for the Handicapped

1. Dormitories for Nurses and Interns in General and Military Hospitals

- 86-N --
- 70-I 70-N

2. Drug/Alcohol Abuse: Including hospitals, and hospital wards in psychiatric and general hospitals. These facilities/wards are in a medical setting equipped and designed for the diagnosis and treatment of medical or psychiatric illnesses associated with alcohol or drug abuse. Patients receive supervised medical/nursing care from a formally trained staff. For group homes, see paragraph G.

3. Hospitals for Chronically Ill

- 54-I 86-N
- 55-I 86-N

- a. Military hospitals or wards for chronically ill
- b. Other hospitals or wards for chronically ill: Including tuberculosis hospitals or wards, wards in general and Veterans' Administration hospitals for the chronically ill, neurological wards, hospices; wards for patients with Hansen's Disease (leprosy) and other incurable diseases; and other unspecified wards for the chronically ill. Do not include mental or alcohol/drug abuse hospitals or wards.

4. Mentally Ill (Psychiatric): Hospitals or wards, including wards for the criminally insane not operated by a prison and psychiatric wards of general hospitals and veterans' hospitals. This is a medical setting designed for the treatment of mental illness. Patients receive supervised and medical/nursing care from a formally trained staff. Code wards for the mentally retarded according to paragraph H5. Do not include hospitals or wards for alcohol/drug abuse; see paragraph H2.

- 46-I 46-N
- 47-I 47-N
- 48-I 48-N
- 45-I 45-N

- a. Federal ownership
- b. State or local ownership
- c. Private ownership
- d. Don't know if Federal, State, local, or private ownership (Use only as a last resort if no other type code applies.)

5. Mentally Retarded: Schools, hospitals, wards, including wards in hospitals for the mentally ill, and intermediate care facilities for the mentally retarded. This is in a suitably-equipped setting and with supervised and medical/nursing care from a formally trained staff.

- 41-I 41-N
- 43-I 43-N

- a. Federal ownership
- b. State or local ownership

GQ codes Staff residents GQ codes

H. Hospitals/Schools for the Handicapped—Con.

- 42-I 42-N c. Private ownership
- 40-I 40-N d. Don't know if Federal, State, local, or private ownership (Use only as a last resort if no other type code applies.)
- 6. *Physically Handicapped:* Including schools, hospitals, or wards in a suitably-equipped medical setting and designed primarily for the physically handicapped who receive supervised care and medical/nursing care from a formally trained staff.
 - a. Institutions for the deaf
 - 38-I 38-N (1) Public ownership
 - 39-I 39-N (2) Private ownership
 - 37-I 37-N (3) Don't know if public/private ownership (Use only as a last resort if no other type code applies.)
 - b. Institutions for the blind
 - 35-I 35-N (1) Public ownership
 - 36-I 36-N (2) Private ownership
 - 34-I 34-N (3) Don't know if public/private ownership (Use only as a last resort if no other type code applies.)
 - c. Orthopedic wards and institutions for physically handicapped: Including accident victims, and persons with polio, cerebral palsy, and muscular dystrophy.
 - 32-I 32-N (1) Public ownership
 - 33-I 33-N (2) Private ownership
 - 31-I 31-N (3) Don't know if public/private ownership (Use only as a last resort if no other type code applies.)
- 53-I 86-N 7. *Wards in General and Military Hospitals for Patients Who Have No Usual Home Elsewhere:* Including maternity, neonatal, pediatric (including wards for boarder babies), military, surgical wards, and other purpose wards of hospitals and wards for infectious diseases.
 Note: Do not include long-term care rooms for the elderly in wards or buildings on the grounds of hospitals, see paragraph E.

I. Hotels/Motels: "S-Night" locations, see paragraph F.

J. Juvenile Institutions: Including homes, schools, and hospitals.

- 1. *Long-Term Care* (length of stay usually more than 30 days)
 - a. Neglected, abused, and dependent children: Including orphanages, homes, or residential care.
 - 03-I 03-N (1) Public ownership
 - 04-I 04-N (2) Private ownership
 - 02-I 02-N (3) Don't know if public/private ownership (Use only as a last resort if no other type code applies.)
 - b. Emotionally disturbed children: Including residential treatment centers (psychiatric care provided).
 - c. Delinquent children: Placed by court, parents, or social service agency, in residential training school or home, including industrial schools, camps, or farms.
 - 12-I 12-N (1) Public ownership: Committed by courts.
 - 15-I 15-N (2) Private ownership: Some are committed by courts, others are referred by parents or social service agencies because of delinquent behavior.
 - 11-I 11-N (3) Don't know if public/private ownership (Use only as a last resort if no other type code applies.)

GQ codes	Staff residents GQ codes
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J. Juvenile Institutions: Including homes, schools, and hospitals—Con.

2. *Short-term* (length of stay usually 30 days or less)

10-I 10-N

a. **Delinquent children:** Including those receiving temporary care in detention or diagnostic centers pending court disposition of case.

b. **Runaway, neglected, and homeless children:** Including emergency shelters/group homes which provide temporary sleeping facilities for juveniles, see paragraph F2.

01-I 01-N

3. **Don't Know Type of Juvenile Institution:** Including homes, schools, hospitals, or wards for children. (Use only as a last resort if no other type code applies.)

K. Military Quarters

1. *On Base*

97-N --

a. Barracks, bachelor officers quarters, unaccompanied officer personnel housing, unaccompanied enlisted personnel housing, and similar noninstitutional group living quarters for military personnel

96-N --

b. Transient quarters (noninstitutional) for temporary residents (military or civilian)

86-N --

c. Dormitories for nurses and interns in general military hospitals

54-I 86-N

d. Hospitals or wards for chronically ill

95-I 95-N

e. Stockades and jails

98-N --

2. *Military Ships*

90-N --

L. Natural Disaster: Including those temporarily displaced by a natural disaster, such as "Hurricane Hugo."

89-N --

M. Religious Group Quarters: Including convents, monasteries, and rectories. Members of religious orders who live in a dormitory at a hospital or college were classified according to the type of place where they live, such as 86-N if at a general hospital, or 87-N if at a college. (Code only if occupied by 10 or more unrelated persons. If less than 10, these are classified as a housing unit.)

80-N --

N. Rooming and Boarding Houses

(Code only if occupied by 10 or more unrelated persons. If less than 10, these are classified as a housing unit.)

O. Schools for the Handicapped: See paragraphs H5 and H6.

P. Shelter/Street Night Enumeration ("S-Night"): See paragraph F.

94-N --

Q. Other Nonhousehold Living Situations: Including places not covered by other GQ codes shown herein, such as commercial or public campgrounds, campgrounds at racetracks, fairs, and carnivals, hostels, and similar transient sites. (Ask usual home elsewhere in these places. Include as living there only persons who have no usual home elsewhere.)

R. Staff of Institutions: Including staff personnel residing in group quarters. Code according to the appropriate type of group quarters shown under the column "Staff residents GQ codes." Staff residents are coded with an "N" suffix.

Note: Do not assign GQ codes to staff residents in group quarters where a "--" is shown.

HISPANIC ORIGIN

This section contains the code list used to code write-in entries for the Hispanic origin question. A set of three-digit numerical codes was used to identify FOSDIC circles for the Hispanic origin categories listed in the Hispanic origin item on the questionnaire. These codes and their respective Hispanic origin categories are: Not Spanish/Hispanic-001, Mexican-002, Puerto Rican-003, Cuban-004, and Other Spanish/Hispanic-005. For sample (long-form) questionnaires, a separate set of three-digit numerical codes was used to code write-in entries provided by respondents to the "Yes, other Spanish/Hispanic" category of the Hispanic origin item. The list of origins with their associated three-digit codes is shown below. "n.e.c." is the abbreviation for not elsewhere classified.

000-001, 006-199	NOT SPANISH/HISPANIC	231-249	SOUTH AMERICAN—Con.
000-001	Not Spanish/Hispanic (FOSDIC circle)	234	Colombian
006-199	Not Spanish/Hispanic	235	Ecuadorian
		236	Paraguayan
		237	Peruvian
200-209	SPANIARD	238	Uruguayan
200	Spaniard	239	Venezuelan
201	Andalusian	240	Reserve Spanish/Hispanic 6
202	Asturian	241	Reserve Spanish/Hispanic 7
203	Castillian	242	Reserve Spanish/Hispanic 8
204	Catalonian	243	Reserve Spanish/Hispanic 9
205	Balearic Islander	244	Reserve Spanish/Hispanic 10
206	Gallego	245	Reserve Spanish/Hispanic 11
207	Valencian	246	Reserve Spanish/Hispanic 12
208	Canarian	247	South American Indian
209	Spanish Basque	248	Criollo
		249	South American
002, 210-220	MEXICAN	250-260	LATIN AMERICAN
002	Mexican (FOSDIC circle)	250	Latin American
210	Mexican	251	Latin
211	Mexican American	252	Latino
212	Mexicano	253	Reserve Spanish/Hispanic 13
213	Chicano	254	Reserve Spanish/Hispanic 14
214	La Raza	255	Reserve Spanish/Hispanic 15
215	Mexican American Indian	256	Reserve Spanish/Hispanic 16
216	Reserve Spanish/Hispanic 1	257	Reserve Spanish/Hispanic 17
217	Reserve Spanish/Hispanic 2	258	Reserve Spanish/Hispanic 18
218	Mexico	259	Reserve Spanish/Hispanic 19
219	Reserve Spanish/Hispanic 3	260	Reserve Spanish/Hispanic 20
220	Reserve Spanish/Hispanic 4		
221-230	CENTRAL AMERICAN	003, 261-270	PUERTO RICAN
221	Costa Rican	003	Puerto Rican (FOSDIC circle)
222	Guatemalan	261	Puerto Rican
223	Honduran	262	Reserve Spanish/Hispanic 21
224	Nicaraguan	263	Reserve Spanish/Hispanic 22
225	Panamanian	264	Reserve Spanish/Hispanic 23
226	Salvadoran	265	Reserve Spanish/Hispanic 24
227	Central American	266	Reserve Spanish/Hispanic 25
228	Central American Indian	267	Reserve Spanish/Hispanic 26
229	Canal Zone	268	Reserve Spanish/Hispanic 27
230	Reserve Spanish/Hispanic 5	269	Reserve Spanish/Hispanic 28
		270	Reserve Spanish/Hispanic 29
231-249	SOUTH AMERICAN		
231	Argentinean		
232	Bolivian		
233	Chilean		

004, 271-274 CUBAN

004 Cuban (FOSDIC circle)
271 Cuban
272 Reserve Spanish/Hispanic 30
273 Reserve Spanish/Hispanic 31
274 Reserve Spanish/Hispanic 32

275-289 DOMINICAN

275 Dominican
276 Reserve Spanish/Hispanic 33
277 Reserve Spanish/Hispanic 34
278 Reserve Spanish/Hispanic 35
279 Reserve Spanish/Hispanic 36
280 Reserve Spanish/Hispanic 37
281 Reserve Spanish/Hispanic 38
282 Reserve Spanish/Hispanic 39
283 Reserve Spanish/Hispanic 40
284 Reserve Spanish/Hispanic 41
285 Reserve Spanish/Hispanic 42

275-289

286
287
288
289

DOMINICAN—Con.

Reserve Spanish/Hispanic 43
Reserve Spanish/Hispanic 44
Reserve Spanish/Hispanic 45
Reserve Spanish/Hispanic 46

005, 290-999 OTHER SPANISH/HISPANIC

005 Other Spanish/Hispanic (FOSDIC circle)
290 Hispanic
291 Spanish
292 Californio
293 Tejano
294 Nuevo Mexicano
295 Spanish American
296 Spanish American Indian
297 Meso American Indian
298 Mestizo
299-999 Other Spanish/Hispanic, n.e.c.

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.

000-039 **AGRICULTURE, FORESTRY, AND FISHERIES**

000-010 Agricultural production, crops (01)
011 Agricultural production, livestock (02)
012 Veterinary services (074)
013-020 Landscape and horticultural services (078)
021-030 Agricultural services, n.e.c. (071, 072, 075, 076)
031 Forestry (08)
032-039 Fishing, hunting, and trapping (09)

040-059 **MINING**

040 Metal mining (10)
041 Coal mining (12)
042 Oil and gas extraction (13)
043-059 Nonmetallic mining and quarrying, except fuel (14)

060-099 **CONSTRUCTION (15, 16, 17)**

100-399 **MANUFACTURING**

100-229 Nondurable Goods

100-129 Food and kindred products
100 Meat products (201)
101 Dairy products (202)
102-109 Canned, frozen and preserved fruits and vegetables (203)
110 Grain mill products (204)
111 Bakery products (205)
112-119 Sugar and confectionery products (206)
120 Beverage industries (208)
121 Miscellaneous food preparations and kindred products (207, 209)
122-129 Not specified food industries

130-131 Tobacco manufactures (21)

132-150 Textile mill products
132-139 Knitting mills (225)
140 Dyeing and finishing textiles, except wool and knit goods (226)
141 Carpets and rugs (227)
142-149 Yarn, thread, and fabric mills (221-224, 228)
150 Miscellaneous textile mill products (229)

151-159 Apparel and other finished textile products
151 Apparel and accessories, except knit (231-238)
152-159 Miscellaneous fabricated textile products (239)

160-170 Paper and allied products
160 Pulp, paper, and paperboard mills (261-263)
161 Miscellaneous paper and pulp products (267)
162-170 Paperboard containers and boxes (265)

100-399	MANUFACTURING—Con.
171-179	Printing, publishing, and allied industries
171	Newspaper publishing and printing (271)
172-179	Printing, publishing, and allied industries, except newspapers (272-279)
180-199	Chemicals and allied products
180	Plastics, synthetics, and resins (282)
181	Drugs (283)
182-189	Soaps and cosmetics (284)
190	Paints, varnishes, and related products (285)
191	Agricultural chemicals (287)
192-199	Industrial and miscellaneous chemicals (281, 286, 289)
200-209	Petroleum and coal products
200	Petroleum refining (291)
201-209	Miscellaneous petroleum and coal products (295, 299)
210-219	Rubber and miscellaneous plastics products
210	Tires and inner tubes (301)
211	Other rubber products, and plastics footwear and belting (302-306)
212-219	Miscellaneous plastics products (308)
220-229	Leather and leather products
220	Leather tanning and finishing (311)
221	Footwear, except rubber and plastic (313, 314)
222-229	Leather products, except footwear (315-317, 319)
230-399	Durable Goods
230-241	Lumber and wood products, except furniture
230	Logging (241)
231	Sawmills, planing mills, and millwork (242, 243)
232-240	Wood buildings and mobile homes (245)
241	Miscellaneous wood products (244, 249)
242-249	Furniture and fixtures (25)
250-269	Stone, clay, glass, and concrete products
250	Glass and glass products (321-323)
251	Cement, concrete, gypsum, and plaster products (324, 327)
252-260	Structural clay products (325)
261	Pottery and related products (326)
262-269	Miscellaneous nonmetallic mineral and stone products (328, 329)
270-309	Metal industries
270	Blast furnaces, steelworks, rolling and finishing mills (331)
271	Iron and steel foundries (332)
272-279	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)
282-289	Fabricated structural metal products (344)
290	Screw machine products (345)
291	Metal forgings and stampings (346)
292-299	Ordnance (348)
300	Miscellaneous fabricated metal products (341, 343, 347, 349)
301-309	Not specified metal industries

100-399**MANUFACTURING—Con.**

- 310-339 Machinery and computing equipment
- 310 Engines and turbines (351)
- 311 Farm machinery and equipment (352)
- 312-319 Construction and material handling machines (353)
- 320 Metalworking machinery (354)
- 321 Office and accounting machines (3578, 3579)
- 322-330 Computers and related equipment (3571-3577)
- 331 Machinery, except electrical, n.e.c. (355, 356, 358, 359)
- 332-339 Not specified machinery

- 340-350 Electrical machinery, equipment, and supplies
- 340 Household appliances (363)
- 341 Radio, TV, and communication equipment (365, 366)
- 342-349 Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
- 350 Not specified electrical machinery, equipment, and supplies

- 351-370 Transportation equipment
- 351 Motor vehicles and motor vehicle equipment (371)
- 352-359 Aircraft and parts (372)
- 360 Ship and boat building and repairing (373)
- 361 Railroad locomotives and equipment (374)
- 362-369 Guided missiles, space vehicles, and parts (376)
- 370 Cycles and miscellaneous transportation equipment (375, 379)

- 371-389 Professional and photographic equipment, and watches
- 371 Scientific and controlling instruments (381, 382 except 3827)
- 372-379 Medical, dental, and optical instruments and supplies (3827, 384, 385)
- 380 Photographic equipment and supplies (386)
- 381-389 Watches, clocks, and clockwork operated devices (387)

- 390 Toys, amusement, and sporting goods (394)

- 391 Miscellaneous manufacturing industries (39 except 394)

- 392-399 Not specified manufacturing industries

400-499**TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES**

- 400-439 Transportation
- 400 Railroads (40)
- 401 Bus service and urban transit (41, except 412)
- 402-409 Taxicab service (412)
- 410 Trucking service (421, 423)
- 411 Warehousing and storage (422)
- 412-419 U.S. Postal Service (43)
- 420 Water transportation (44)
- 421 Air transportation (45)
- 422-431 Pipe lines, except natural gas (46)
- 432-439 Services incidental to transportation (47)

- 440-449 Communications
- 440 Radio and television broadcasting and cable (483, 484)
- 441 Telephone communications (481)
- 442-449 Telegraph and miscellaneous communications services (482, 489)

- 450-499 Utilities and sanitary services
- 450 Electric light and power (491)

400-499 TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES—Con.

- 451 Gas and steam supply systems (492, 496)
- 452-469 Electric and gas, and other combinations (493)
- 470 Water supply and irrigation (494, 497)
- 471 Sanitary services (495)
- 472-499 Not specified utilities

500-579 WHOLESALE TRADE

- 500-539 Durable Goods
- 500 Motor vehicles and equipment (501)
- 501 Furniture and home furnishings (502)
- 502-509 Lumber and construction materials (503)
- 510 Professional and commercial equipment and supplies (504)
- 511 Metals and minerals, except petroleum (505)
- 512-520 Electrical goods (506)
- 521-529 Hardware, plumbing and heating supplies (507)
- 530 Machinery, equipment, and supplies (508)
- 531 Scrap and waste materials (5093)
- 532-539 Miscellaneous wholesale, durable goods (509 except 5093)

- 540-579 Nondurable Goods
- 540 Paper and paper products (511)
- 541 Drugs, chemicals and allied products (512, 516)
- 542-549 Apparel, fabrics, and notions (513)
- 550 Groceries and related products (514)
- 551 Farm-product raw materials (515)
- 552-559 Petroleum products (517)
- 560 Alcoholic beverages (518)
- 561 Farm supplies (5191)
- 562-570 Miscellaneous wholesale, nondurable goods (5192-5199)
- 571-579 Not specified wholesale trade

580-699 RETAIL TRADE

- 580 Lumber and building material retailing (521, 523)
- 581 Hardware stores (525)
- 582-589 Retail nurseries and garden stores (526)
- 590 Mobile home dealers (527)
- 591 Department stores (531)
- 592-599 Variety stores (533)
- 600 Miscellaneous general merchandise stores (539)
- 601 Grocery stores (541)
- 602-609 Dairy products stores (545)
- 610 Retail bakeries (546)
- 611 Food stores, n.e.c. (542, 543, 544, 549)
- 612-619 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)
- 623-629 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)
- 633-639 Radio, TV, and computer stores (5731, 5734)
- 640 Music stores (5735, 5736)
- 641 Eating and drinking places (58)
- 642-649 Drug stores (591)
- 650 Liquor stores (592)

580-699	RETAIL TRADE—Con.
651	Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
652-659	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)
663-669	Catalog and mail order houses (5961)
670	Vending machine operators (5962)
671	Direct selling establishments (5963)
672-680	Fuel dealers (598)
681	Retail florists (5992)
682-690	Miscellaneous retail stores (593, 5948, 5993-5995, 5999)
691-699	Not specified retail trade
700-720	FINANCE, INSURANCE, AND REAL ESTATE
700	Banking (60 except 603 and 606)
701	Savings institutions, including credit unions (603, 606)
702-709	Credit agencies, n.e.c. (61)
710	Security, commodity brokerage, and investment companies (62, 67)
711	Insurance (63, 64)
712-720	Real estate, including real estate-insurance offices (65)
721-760	BUSINESS AND REPAIR SERVICES
721	Advertising (731)
722-730	Services to dwellings and other buildings (734)
731	Personnel supply services (736)
732-739	Computer and data processing services (737)
740	Detective and protective services (7381, 7382)
741	Business services, n.e.c. (732, 733, 735, 7383-7389)
742-749	Automotive rental and leasing, without drivers (751)
750	Automotive parking and carwashes (752, 7542)
751	Automotive repair and related services (753, 7549)
752-759	Electrical repair shops (762, 7694)
760	Miscellaneous repair services (763, 764, 7692, 7699)
761-799	PERSONAL SERVICES
761	Private households (88)
762-769	Hotels and motels (701)
770	Lodging places, except hotels and motels (702, 703, 704)
771	Laundry, cleaning, and garment services (721 except part 7219)
772-779	Beauty shops (723)
780	Barber shops (724)
781	Funeral service and crematories (726)
782-789	Shoe repair shops (725)
790	Dressmaking shops (part 7219)
791-799	Miscellaneous personal services (722, 729)
800-811	ENTERTAINMENT AND RECREATION SERVICES
800	Theaters and motion pictures (781-783, 792)
801	Video tape rental (784)
802-809	Bowling centers (793)
810-811	Miscellaneous entertainment and recreation services (791, 794, 799)

812-899 PROFESSIONAL AND RELATED SERVICES

812-819 Offices and clinics of physicians (801, 803)
820 Offices and clinics of dentists (802)

831 Hospitals (806)

842-849 Elementary and secondary schools (821)
850 Colleges and universities (822)
851 Vocational schools (824)
852-859 Libraries (823)
860 Educational services, n.e.c. (829)
861 Job training and vocational rehabilitation services (833)
862 Child day care services (part 835)
863-869 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)
873-879 Labor unions (863)
880 Religious organizations (866)
881 Membership organizations, n.e.c. (861, 862, 864, 865, 869)
882-889 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)
893-899 Miscellaneous professional and related services (899)

900-939 PUBLIC ADMINISTRATION

900 Executive and legislative offices (911-913)
901-909 General government, n.e.c. (919)
910-920 Justice, public order, and safety (92)
921 Public finance, taxation, and monetary policy (93)
922-929 Administration of human resources programs (94)
930 Administration of environmental quality and housing programs (95)
931 Administration of economic programs (96)
932-939 National security and international affairs (97)

940-991 ACTIVE DUTY MILITARY

940-959 Armed Forces
940 Army
941 Air Force
942-949 Navy
950 Marines
951 Coast Guard
952-959 Armed Forces, Branch not specified
960-991 Military Reserves or National Guard

992-999 EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY INDUSTRY

992-999 Unemployed, last worked 1984 or earlier

LANGUAGE

This section contains the code list of languages other than English spoken at home. Each entry was given a three-digit code. If more than one language was reported, only the first language reported was coded. The languages were coded originally into nearly 400 different language categories. The following list contains the principal name for each code. Since many languages and language groups are known by several names, additional illustrative names are shown for some languages. A complete list of all reported language names and categories into which they were coded may be obtained from the Census Bureau at the cost of reproduction.

000-600	NOT IN UNIVERSE	633	WELSH
601	JAMAICAN CREOLE	634	BRETON
602	KRIO	635	IRISH GAELIC
603	HAWAIIAN PIDGIN	636	SCOTTIC GAELIC
604	PIDGIN	637	GREEK
605	GULLAH	638	ALBANIAN
606	SARAMACCA	639	RUSSIAN
		640	BIELORUSSIAN
607	GERMAN	641	UKRAINIAN
607	Austrian	642	CZECH
607	Swiss	643	KASHUBIAN
608	PENNSYLVANIA DUTCH	644	LUSATIAN
609	YIDDISH	644	Sorbian
		644	Wendish
610	DUTCH		
610	Flemish	645	POLISH
		646	SLOVAK
611	AFRIKAANS	647	BULGARIAN
612	FRISIAN	648	MACEDONIAN
613	LUXEMBOURGIAN		
614	SWEDISH	649	SERBOCROATIAN
615	DANISH	649	Slavic
616	NORWEGIAN	649	Yugoslav
617	ICELANDIC		
618	FAROESE	650	CROATIAN
619	ITALIAN	651	SERBIAN
		652	SLOVENE
620	FRENCH	653	LITHUANIAN
620	Walloon	654	LETTISH
		655	ARMENIAN
621	PROVENCAL		
622	PATOIS	656	PERSIAN
		656	Farsi
623	FRENCH CREOLE	656	Pushto
623	Haitian Creole		
		657	PASHTO
624	CAJUN	657	Afghan
625	SPANISH		
626	CATALONIAN	658	KURDISH
627	LADINO	659	BALOCHI
628	PACHUCO	660	TADZHIK
629	PORTUGUESE	661	OSSETE
630	PAPIA MENTAE	662	SANSKRIT
631	RUMANIAN		
		663	HINDI AND RELATED
632	RHAETO-ROMANIC	663	Hindi
632	Romansch	663	India
		663	Urdu

664	BENGALI	706	MUNDA
665	PANJABI	707	BURUSHASKI
666	MARATHI		
667	GUJARATHI	708	CHINESE
668	BIHARI	708	Cantonese
669	RAJASTHANI	708	Yueh
670	ORIYA	708	Min
671	BHILI		
672	ASSAMESE	709	HAKKA
673	KASHMIRI	709	Fukien
674	NEPALI	709	K'echia
675	SINDHI		
676	MALDIVIAN	710	KAN
677	SINHALESE	710	Nan Chang
678	ROMANY		
679	FINNISH	711	HSIANG
680	ESTONIAN	711	Hunan
681	LAPP		
682	HUNGARIAN	712	MANDARIN
		712	Honan
683	OTHER URALIC LANGUAGES	712	Hopei
683	Cheremis	712	Pei
683	Mordvin		
683	Samoyed	713	FUCHOW
683	Ugric	713	Min Pei
683	Yenisei		
		714	FORMOSAN
684	CHUVASH	714	Min Nan
685	KARAKALPAK		
686	KAZAKH	715	WU
687	KIRGHIZ	716	TIBETAN
688	KARACHAY	717	BURMESE
688	Tatar	717	Tonkin
689	UIGHUR	718	KAREN
689	Uzbek	719	KACHIN
690	AZERBAIJANI	720	THAI
691	TURKISH	720	Kam
692	TURKMEN	720	Lao
693	YAKUT	720	Laotian
694	MONGOLIAN	720	Tung
695	TUNGUS		
		721	MIAO-YAO
696	CAUCASIAN		
696	Avar	722	MIAO
696	Georgian	722	Hmong
697	BASQUE	723	JAPANESE
698	DRAVIDIAN	724	KOREAN
699	BRAHUI	725	AINU
700	GONDI		
701	TELUGU	726	MON-KHMER
702	KANNADA	726	Cambodian
703	MALAYALAM	726	Khmer
704	TAMIL	726	Mon
705	KURUKH		

727	SIBERIAN LANGUAGES, not elsewhere classified	768	TONGAN
728	VIETNAMESE	769	NIUEAN
729	MUONG	770	TOKELAUAN
730	BUGINESE	771	FIJIAN
731	MOLUCCAN	772	MARQUESAN
732	INDONESIAN	773	RAROTONGAN
733	ACHINESE	774	MAORI
734	BALINESE	775	NUKUORO
735	CHAM	776	HAWAIIAN
736	JAVANESE	777	ARABIC
737	MADURESE	778	HEBREW
738	MALAGASY	779	SYRIAC
739	MALAY	779	Aramaic
740	MINANGKABAU	779	Assyrian
741	SUNDANESE	779	Chaldean
742	TAGALOG	780	AMHARIC
742	Filipino	780	Tigre
743	BISAYAN	781	BERBER
743	Ilongo	782	CHADIC
744	SEBUANO	782	Hamitic
745	PANGASINAN	782	Hausa
746	ILOCANO	783	CUSHITE
746	Igorot	783	Beja
747	BIKOL	783	Somali
748	PAMPANGAN	784	SUDANIC
749	GORONTALO	784	Dinka
750	MICRONESIAN	784	Gambai
751	CAROLINIAN	784	Sudanese
752	CHAMORRO	785	NILOTIC
753	GILBERTESE	785	Acholi
754	KUSAIEAN	785	Luo
755	MARSHALLESE	785	Nuer
756	MOKILESE	785	
757	MORTLOCKESE	786	NILO-HAMITIC
758	NAURUAN	786	Bari
759	PALAU	786	Masai
760	PONAPEAN	787	NUBIAN
761	TRUKESE	788	SAHARAN
762	ULITHEAN	789	NILO-SAHARAN
763	WOLEAI-ULITHI	789	Fur
763	Eauripik	789	Songhai
763	Ifaluk	789	
764	YAPESE	790	KHOISAN
765	INDO-PACIFIC LANGUAGES, not elsewhere classified	790	Bushman
765	Melanesian	791	SWAHILI
766	POLYNESIAN	792	BANTU
767	SAMOAN	792	Bembe

792	Botswana	814	KICKAPOO
792	Chaga	815	MENOMINI
792	Fan		
792	Kikuyu	816	FRENCH CREE
792	Kongo	816	Metis
792	Luganda		
792	Naebele	817	MIAMI
792	Xhosa	818	MICMAC
792	Zulu		
		819	OJIBWA
793	MANDE	819	Chippewa
793	Kpelle		
793	Mandingo	820	OTTAWA
794	FULANI	821	PASSAMAQUODDY
		821	Malecite
795	GUR		
795	Dagomba	822	PENOBSCOT
		823	ABNAKI
796	KRU	824	POTAWATOMI
796	Damomeen	825	SHAWNEE
796	Egbo	826	WIYOT
796	Ibo	827	YUROK
796	Nigerian	828	KUTENAI
796	Yoruba	829	MAKAH
797	EFIK	830	KWAKIUTL
797	Ibibio	830	Quileute
798	MBUM AND RELATED	831-832	NOOTKA
799	AFRICAN, not further specified	833	LOWER CHEHALIS
800	ALEUT		
		834	UPPER CHEHALIS
801	PACIFIC GULF YUPIK	834	Chehalis
801	Pacific Eskimo	834	Satsop
802	ESKIMO	835	CLALLAM
803	INUPIK	836	COEUR D'ALENE
803	Inuit	836	Skitsamish
804	SAINT LAWRENCE ISLAND YUPIK	837	COLUMBIA
805	YUPIK	837	Chelan
806	ALGONQUIAN	837	Wenatchee
807	ARAPAHO		
		838	COWLITZ
808	ATSINA		
808	Gros Ventre	839	SALISH
		839	Flathead
809	BLACKFOOT		
810	CHEYENNE	840	NOOTSACK
811	CREE	841	OKANOGAN
812	DELAWARE	842	PUGET SOUND SALISH
812	Lenni-Lenape	842	Duwamish
		842	Nisqualli
813	FOX	842	Puyallup
813	Sac	842	Skagit

842	Snohomish	869	SOUTHERN MAIDU
842	Suquamish	869	Nisenan
843	QUINAULT	870	COAST MIWOK
843	Queets	870	Bodega
		870	Marin
844	TILLAMOOK		
845	TWANA	871	PLAINS MIWOK
846	HAIDA		
847	ATHAPASCAN	872	SIERRA MIWOK
848	AHTENA	872	Miwok
849	HAN		
850	INGALIT	873	NOMLAKI
851	KOYUKON	873	Tehama
852	KUCHIN		
853	UPPER KUSKOKWIM	874	PATWIN
854	TANAINA	874	Colouse
		874	Suisun
855	TANANA		
855	Minto	875	WINTUN
		876	FOOTHILL NORTH YOKUTS
856	TANACROSS	877	TACHI
857	UPPER TANANA	878	SANTIAM
857	Nabesna	878	Calapooya
857	Tetlin	878	Wapatu
858	TUTCHONE	879	SIUSLAW
		879	Coos
859	CHASTA COSTA	879	Lower Umpqua
859	Chetco		
859	Coquille	880	KLAMATH
859	Smith River Athapaskan	880	Modoc
860	HUPA	881	NEZ PERCE
861	OTHER ATHAPASCAN-EYAK LANGUAGES	882	SAHAPTIAN
861	Cahto	882	Celilo
861	Mattole	882	Klikitat
861	Wailaki	882	Palouse
		882	Tenino
862	APACHE	882	Umatilla
863	KIOWA	882	Warm Springs
864	NAVAHO	882	Yakima
865	EYAK	883	UPPER CHINOOK
		883	Chinook
866	TLINGIT	883	Clackamas
866	Chilkat	883	Multnomah
866	Sitka	883	Wasco
866	Tongass	883	Wishram
866	Yakutat		
867	MOUNTAIN MAIDU	884	TSIMSHIAN
867	Maidu	885	ACHUMAWI
		886	ATSUGEWI
868	NORTHWEST MAIDU	887	KAROK
868	Concow	888	POMO
		889	SHASTAN

890	WASHO	924	KERES
891	UP RIVER YUMAN	925	IROQUOIS
892	COCOMARICOPA	926	MOHAWK
893	MOHAVE	927	ONEIDA
894	YUMA	928	ONONDAGA
895	DIEGUENO	929	CAYUGA
896	DELTA RIVER YUMAN	930	SENECA
897	UPLAND YUMAN	931	TUSCARORA
898	HAVASUPAI		
899	WALAPAI	932	WYANDOT
900	YAVAPAI	932	Huron
901	CHUMASH		
902	TONKAWA	933	CHEROKEE
903	YUCHI	934	ARIKARA
		935	CADDO
904	CROW	936	PAWNEE
904	Absaroke	937	WICHITA
		938	COMANCHE
905	HIDATSA	939	MONO
906	MANDAN	939	Owens Valley Paiute
907	DAKOTA	940	PAIUTE
907	Brule		
907	Lakota		
907	Oglala	941	NORTHERN PAIUTE
907	Sioux	941	Bannock
		941	Num
908	CHIWERE	941	Snake
909	WINNEBAGO		
910	KANSA	942	SOUTHERN PAIUTE
910	Kaw	943	CHEMEHUEVI
		944	KAWAIIISU
911	OMAHA	945	UTE
912	OSAGE	946	SHOSHONI
913	PONCA	947	PANAMINT
		948	HOPI
914	QUAPAW	949	CAHUILLA
914	Arkansas	950	CUPENO
		951	LUISENO
915	ALABAMA	952	SERRANO
		953	TUBATULABAL
916	CHOCTAW	954	PIMA
916	Chickasaw	954	Papago
917	MIKASUKI	955	YAQUI
918	HICHITA	956	AZTECAN
918	Apalachicola	956	Mexicano
		956	Nahua
919	KOASATI		
		957-958	SONORAN, not elsewhere classified
920	MUSKOGEE	957	Cahita
920	Creek	957	Guasave
920	Seminole	957	Huichole
921	CHETEMACHA	957	Nayit
922	YUKI	957-958	Tarahumara
923	WAPPO		

959	PICURIS	971	Mixtec
959	Northern Tiwa	971	Otomi
959	Taos	971	Popoloc
		971	Zapoteca
960	TIWA		
960	Isleta	972	QUECHUA
960	Ysleta	973	AYMARA
961	SANDIA		
962	TEWA	974	ARAWAKIAN
962	Hano	974	Araua
962	Hopi-Tewa	974	Carib
962	San Idefonso	974	Guajiro
962	San Juan	974	Kitemoca
962	Santa Clara	974	Tatu
963	TOWA	975	CHIBCHAN
964	ZUNI	975	Boruca
965	CHINOOK JARGON	975	Cuna
966	AMERICAN INDIAN	975	Guaymi
		975	Ica
967	MISUMALPAN	976	TUPI-GUARANI
967	Matagalpa	976	Guajibo
967	Miskito	976	Guarani
967	Sumu	976	Siriono
968	MAYAN LANGUAGES	977	JICARILLA
968	Cakchiquel	977	Lipan
968	Chol		
968	Guastec	978	CHIRICAHUA
968	Guatemala	978	Mescalero
968	Ixil		
968	Kechi	979	SAN CARLOS
968	Mam	979	Cibecue
968	Maya	979	San Carlos
968	Queche	979	San Carlos Apache
968	Yucateca	979	White Mountain
969	TARASCAN		
970	MAPUCHE	980	KIOWA-APACHE
970	Araucanian	981	KALISPEL
970	Chilote	982	SPOKANE
		983-998	LANGUAGE SPECIFIED, NOT LISTED
		999	NOT REPORTED
971	OTO-MANGUEN		
971	Ixatec		

OCCUPATION

The list presents the occupational classification developed for the 1990 Census of Population and Housing. There are 500 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.

000-202 **MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS**

000-042 Executive, Administrative, and Managerial Occupations

000-003 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)
009-012 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)
019-020 Funeral directors (part 1359)
021 Managers, service organizations, n.e.c. (127, 1352, 1354, part 1359)
022 Managers and administrators, n.e.c. (121, 126, 132-1343, 136-139)

023-042 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)
029-032 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)
037-042 Management related occupations, n.e.c. (149)

043-202 Professional Specialty Occupations

043-063 Engineers, Architects, and Surveyors

043 Architects (161)
044-062 Engineers
044 Aerospace (1622)
045 Metallurgical and materials (1623)
046 Mining (1624)
047 Petroleum (1625)
048 Chemical (1626)
049-052 Nuclear (1627)
053 Civil (1628)
054 Agricultural (1632)
055 Electrical and electronic (1633, 1636)
056 Industrial (1634)
057 Mechanical (1635)

000-202 MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS—Con.

058	Marine and naval architects (1637)
059-062	Engineers, n.e.c. (1639)
063	Surveyors and mapping scientists (164)
064-068	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)
069-083	Natural Scientists
069-072	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)
079-082	Forestry and conservation scientists (1852)
083	Medical scientists (1855)
084-094	Health Diagnosing Occupations
084	Physicians (261)
085	Dentists (262)
086	Veterinarians (27)
087	Optometrists (281)
088	Podiatrists (283)
089-094	Health diagnosing practitioners, n.e.c. (289)
095-112	Health Assessment and Treating Occupations
095	Registered nurses (29)
096	Pharmacists (301)
097	Dietitians (302)
098-105	Therapists
098	Respiratory therapists (3031)
099-102	Occupational therapists (3032)
103	Physical therapists (3033)
104	Speech therapists (3034)
105	Therapists, n.e.c. (3039)
106-112	Physicians' assistants (304)
113-154	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)
119-122	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)

000-202

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS—Con.

129-132	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)
139-142	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)
149-152	Home economics teachers (2247)
153	Teachers, postsecondary, n.e.c. (2249)
154	Postsecondary teachers, subject not specified
155-162	Teachers, Except Postsecondary
155	Teachers, prekindergarten and kindergarten (231)
156	Teachers, elementary school (232)
157	Teachers, secondary school (233)
158	Teachers, special education (235)
159-162	Teachers, n.e.c. (236, 239)
163	Counselors, Educational and Vocational (24)
164-165	Librarians, Archivists, and Curators
164	Librarians (251)
165	Archivists and curators (252)
166-173	Social Scientists and Urban Planners
166	Economists (1912)
167	Psychologists (1915)
168	Sociologists (1916)
169-172	Social scientists, n.e.c. (1913, 1914, 1919)
173	Urban planners (192)
174-177	Social, Recreation, and Religious Workers
174	Social workers (2032)
175	Recreation workers (2033)
176	Clergy (2042)
177	Religious workers, n.e.c. (2049)
178-182	Lawyers and Judges
178	Lawyers (211)
179-182	Judges (212)
183-202	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)
189-192	Photographers (326)

000-202 MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS—Con.

- 193 Dancers (327)
- 194 Artists, performers, and related workers, n.e.c. (328, 329)
- 195-196 Editors and reporters (331)
- 197 Public relations specialists (332)
- 198 Announcers (333)
- 199-202 Athletes (34)

203-402 TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS

203-242 Technicians and Related Support Occupations

- 203-212 **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)
- 208-212 Health technologists and technicians, n.e.c. (369)

- 213-242 **Technologists and Technicians, Except Health**
- 213-222 **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)
- 218-222 Surveying and mapping technicians (373)

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

- 226-242 **Technicians, Except Health, Engineering, and Science**
- 226 Airplane pilots and navigators (825)
- 227 Air traffic controllers (392)
- 228 Broadcast equipment operators (393)
- 229-232 Computer programmers (3971, 3972)
- 233 Tool programmers, numerical control (3974)
- 234 Legal assistants (396)
- 235-242 Technicians, n.e.c. (399)

- 243-302 **Sales Occupations**

- 243-252 **Supervisors and Proprietors, Sales Occupations (40)**
- 253-257 **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)

- 258-262 **Sales Representatives, Commodities, Except Retail**
- 258 Sales engineers (421)
- 259-262 Sales representatives, mining, manufacturing, and wholesale (423, 424)

203-402**TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS—Con.**

263-282

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)

269-273

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)

278-282

News vendors (4365)

283-302

Sales Related Occupations

283

Demonstrators, promoters and models, sales (445)

284

Auctioneers (447)

285-302

Sales support occupations, n.e.c. (444, 446, 449)

303-402

Administrative Support Occupations, Including Clerical

303-307

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)

308-312

Computer Equipment Operators

308

Computer operators (4612)

309-312

Peripheral equipment operators (4613)

313-315

Secretaries, Stenographers, and Typists

313

Secretaries (4622)

314

Stenographers (4623)

315

Typists (4624)

316-324

Information Clerks

316

Interviewers (4642)

317

Hotel clerks (4643)

318

Transportation ticket and reservation agents (4644)

319-322

Receptionists (4645)

323-324

Information clerks, n.e.c. (4649)

325-336

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)

329-334

Library clerks (4694)

335

File clerks (4696)

336

Records clerks (4699)

337-344

Financial Records Processing Occupations

337

Bookkeepers, accounting, and auditing clerks (4712)

338

Payroll and timekeeping clerks (4713)

203-402 TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS—Con.

- 339-342 Billing clerks (4715)
- 343 Cost and rate clerks (4716)
- 344 Billing, posting, and calculating machine operators (4718)

- 345-347 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)

- 348-353 Communications Equipment Operators
- 348-352 Telephone operators (4732)
- 353 Communications equipment operators, n.e.c. (4733, 4739)

- 354-358 Mail and Message Distributing Occupations
- 354 Postal clerks, except mail carriers (4742)
- 355 Mail carriers, postal service (4743)
- 356 Mail clerks, except postal service (4744)
- 357-358 Messengers (4745)

- 359-374 Material Recording, Scheduling, and Distributing Clerks
- 359-362 Dispatchers (4751)
- 363 Production coordinators (4752)
- 364 Traffic, shipping, and receiving clerks (4753)
- 365 Stock and inventory clerks (4754)
- 366 Meter readers (4755)
- 368-372 Weighers, measurers, checkers, and samplers (4756, 4757)
- 373 Expeditors (4758)
- 374 Material recording, scheduling, and distributing clerks, n.e.c. (4759)

- 375-378 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)

- 379-402 Miscellaneous Administrative Support Occupations
- 379-382 General office clerks (463)
- 383 Bank tellers (4791)
- 384 Proofreaders (4792)
- 385 Data-entry keyers (4793)
- 386 Statistical clerks (4794)
- 387-388 Teachers' aides (4795)
- 389-402 Administrative support occupations, n.e.c. (4787, 4799)

403-472 SERVICE OCCUPATIONS

- 403-412 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)
- 407-412 Private household cleaners and servants (502, 507, 509)

- 413-432 Protective Service Occupations
- 413-415 Supervisors, Protective Service Occupations
- 413 Supervisors, firefighting and fire prevention occupations (5111)

403-472

SERVICE OCCUPATIONS—Con.

- 414 Supervisors, police and detectives (5112)
- 415 Supervisors, guards (5113)
- 416-417 Firefighting and Fire Prevention Occupations
- 416 Fire inspection and fire prevention occupations (5122)
- 417 Firefighting occupations (5123)
- 418-424 Police and Detectives
- 418-422 Police and detectives, public service (5132)
- 423 Sheriffs, bailiffs, and other law enforcement officers (5134)
- 424 Correctional institution officers (5133)
- 425-432 Guards
- 425 Crossing guards (5142)
- 426 Guards and police, except public service (5144)
- 427-432 Protective service occupations, n.e.c. (5149)

433-472

Service Occupations, Except Protective and Household

433-444

Food Preparation and Service Occupations

- 433 Supervisors, food preparation and service occupations (5211)
- 434 Bartenders (5212)
- 435 Waiters and waitresses (5213)
- 436-437 Cooks (5214, 5215)
- 438 Food counter, fountain and related occupations (5216)
- 439-442 Kitchen workers, food preparation (5217)
- 443 Waiters' /waitresses' assistants (5218)
- 444 Miscellaneous food preparation occupations (5219)

445-447

Health Service Occupations

- 445 Dental assistants (5232)
- 446 Health aides, except nursing (5233)
- 447 Nursing aides, orderlies, and attendants (5236)

448-455

Cleaning and Building Service Occupations, Except Household

- 448 Supervisors, cleaning and building service workers (5241)
- 449-452 Maids and housemen (5242, 5249)
- 453 Janitors and cleaners (5244)
- 454 Elevator operators (5245)
- 455 Pest control occupations (5246)

456-472

Personal Service Occupations

- 456 Supervisors, personal service occupations (5251)
- 457 Barbers (5252)
- 458 Hairdressers and cosmetologists (5253)
- 459-460 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 (part 5264)
- 467 Early childhood teacher's assistants (part 5264)
- 468 Child care workers, n.e.c. (part 5264)
- 469-472 Personal service occupations, n.e.c. (5258, 5269)

473-502 FARMING, FORESTRY, AND FISHING OCCUPATIONS

- 473-476 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)

- 477-493 Other Agricultural and Related Occupations
 - 477-484 Farm Occupations, Except Managerial
 - 477-478 Supervisors, farm workers (5611)
 - 479-482 Farm workers (5612-5617)
 - 483 Marine life cultivation workers (5618)
 - 484 Nursery workers (5619)
 - 485-493 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)
 - 489-493 Inspectors, agricultural products (5627)

- 494-496 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)

- 497-502 Fishers, Hunters, and Trappers
 - 497 Captains and other officers, fishing vessels (part 8241)
 - 498 Fishers (583)
 - 499-502 Hunters and trappers (584)

503-702 PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS

- 503-552 Mechanics and Repairers
 - 503-504 Supervisors, mechanics and repairers (60)
 - 505-552 Mechanics and Repairers, Except Supervisors
 - 505-517 Vehicle and Mobile Equipment Mechanics and Repairers
 - 505-506 Automobile mechanics (part 6111)
 - 506 Automobile mechanic apprentices (part 6111)
 - 507 Bus, truck, and stationary engine mechanics (6112)
 - 508 Aircraft engine mechanics (6113)
 - 509-513 Small engine repairers (6114)
 - 514 Automobile body and related repairers (6115)
 - 515 Aircraft mechanics, except engine (6116)
 - 516 Heavy equipment mechanics (6117)
 - 517 Farm equipment mechanics (6118)
 - 518 Industrial machinery repairers (613)
 - 519-522 Machinery maintenance occupations (614)

- 523-533 Electrical and Electronic Equipment Repairers
 - 523-524 Electronic repairers, communications and industrial equipment (6151, 6153, 6155)
 - 525 Data processing equipment repairers (6154)
 - 526 Household appliance and power tool repairers (6156)
 - 527-528 Telephone line installers and repairers (6157)
 - 529-532 Telephone installers and repairers (6158)
 - 533 Miscellaneous electrical and electronic equipment repairers (6152, 6159)

- 534 Heating, air conditioning, and refrigeration mechanics (616)

503-702**PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS—Con.**

535-552 Miscellaneous Mechanics and Repairers
 535 Camera, watch, and musical instrument repairers (6171, 6172)
 536-537 Locksmiths and safe repairers (6173)
 538 Office machine repairers (6174)
 539-542 Mechanical controls and valve repairers (6175)
 543 Elevator installers and repairers (6176)
 544-546 Millwrights (6178)
 547-548 Specified mechanics and repairers, n.e.c. (6177, 6179)
 549-552 Not specified mechanics and repairers

553-612**Construction Trades**

553-562 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)
 557 Supervisors, plumbers, pipefitters, and steamfitters (6316)
 558-562 Supervisors, construction, n.e.c. (6311, 6318)

563-612 Construction Trades, Except Supervisors
 563-564 Brickmasons and stonemasons (part 6412, part 6413)
 564 Brickmason and stonemason apprentices (part 6412, part 6413)
 565 Tile setters, hard and soft (part 6414, part 6462)
 566 Carpet installers (part 6462)
 567-572 Carpenters (part 6422)
 569-572 Carpenter apprentices (part 6422)
 573-574 Drywall installers (6424)
 575-576 Electricians (part 6432)
 576 Electrician apprentices (part 6432)
 577-578 Electrical power installers and repairers (6433)
 579-582 Painters, construction and maintenance (6442)
 583 Paperhangers (6443)
 584 Plasterers (6444)
 585-587 Plumbers, pipefitters, and steamfitters (part 645)
 587 Plumber, pipefitter, and steamfitter apprentices (part 645)
 588 Concrete and terrazzo finishers (6463)
 589-592 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)
 599-612 Construction trades, n.e.c. (6467, 6475, 6476, 6479)

613-627**Extractive Occupations**

613 Supervisors, extractive occupations (632)
 614 Drillers, oil well (652)
 615 Explosives workers (653)
 616 Mining machine operators (654)
 617-627 Mining occupations, n.e.c. (656)

628-702**Precision Production Occupations**

628-633 Supervisors, production occupations (67, 71)
 634-655 Precision Metal Working Occupations

503-702**PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS—Con.**

- 634-635 Tool and die makers (part 6811)
- 635 Tool and die maker apprentices (part 6811)
- 636 Precision assemblers, metal (6812)
- 637-642 Machinists (part 6813)
- 639-642 Machinist apprentices (part 6813)
- 643 Boilermakers (6814)
- 644 Precision grinders, filers, and tool sharpeners (6816)
- 645 Patternmakers and model makers, metal (6817)
- 646 Lay-out workers (6821)
- 647-648 Precious stones and metals workers (Jewelers) (6822, 6866)
- 649-652 Engravers, metal (6823)
- 653-654 Sheet metal workers (part 6824)
- 654 Sheet metal worker apprentices (part 6824)
- 655 Miscellaneous precision metal workers (6829)
- 656-665 Precision Woodworking Occupations
- 656 Patternmakers and model makers, wood (6831)
- 657 Cabinet makers and bench carpenters (6832)
- 658 Furniture and wood finishers (6835)
- 659-665 Miscellaneous precision woodworkers (6839)
- 666-674 Precision Textile, Apparel, and Furnishings Machine Workers
- 666 Dressmakers (part 6852, part 7752)
- 667 Tailors (part 6852)
- 668 Upholsterers (6853)
- 669-673 Shoe repairers (6854)
- 674 Miscellaneous precision apparel and fabric workers (6856, 6859, part 7752)
- 675-685 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, part 7477, part 7677)
- 678 Dental laboratory and medical appliance technicians (6865)
- 679-682 Bookbinders (6844)
- 683 Electrical and electronic equipment assemblers (6867)
- 684-685 Miscellaneous precision workers, n.e.c. (6869)
- 686-688 Precision Food Production Occupations
- 686 Butchers and meat cutters (6871)
- 687 Bakers (6872)
- 688 Food batchmakers (6873, 6879)
- 689-693 Precision Inspectors, Testers, and Related Workers
- 689-692 Inspectors, testers, and graders (6881, 828)
- 693 Adjusters and calibrators (6882)
- 694-702 Plant and System Operators
- 694 Water and sewage treatment plant operators (691)
- 695 Power plant operators (part 693)
- 696-698 Stationary engineers (part 693, 7668)
- 699-702 Miscellaneous plant and system operators (692, 694, 695, 696)

703-902**OPERATORS, FABRICATORS, AND LABORERS**

- 703-802 Machine Operators, Assemblers, and Inspectors
- 703-782 Machine Operators and Tenders, Except Precision
- 703-716 Metal Working 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)

703-902 OPERATORS, FABRICATORS, AND LABORERS—Con.

707	Rolling machine operators (7316, 7516)
708	Drilling and boring machine operators (7318, 7518)
709-712	Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
713	Forging machine operators (7319, 7519)
714	Numerical control machine operators (7326)
715-716	Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
717-718	Fabricating machine operators, n.e.c. (7339, 7539)
719-725	Metal and Plastic Processing Machine Operators
719-722	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)
726-733	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)
729-732	Nailing and tacking machine operators (7636)
733	Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)
734-737	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)
738-752	Textile, Apparel, and Furnishings Machine Operators
738	Winding and twisting machine operators (7451, 7651)
739-742	Knitting, looping, taping, and weaving machine operators (7452, 7652)
743	Textile cutting machine operators (7654)
744	Textile sewing machine operators (7655)
745-746	Shoe machine operators (7656)
747	Pressing machine operators (7657)
748	Laundry and dry cleaning machine operators (6855, 7658)
749-752	Miscellaneous textile machine operators (7459, 7659)
753-782	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)
759-762	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)
766-767	Furnace, kiln, and oven operators, except food (7675)
768	Crushing and grinding machine operators (part 7477, part 7677)
769-772	Slicing and cutting machine operators (7478, 7678)
773	Motion picture projectionists (part 7479)
774-776	Photographic process machine operators (6863, 6868, 7671)
777-778	Miscellaneous machine operators, n.e.c. (part 7479, 7665, 7679)
779-782	Machine operators, not specified

703-902**OPERATORS, FABRICATORS, AND LABORERS—Con.**

783-795

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)

787-788

Hand molding, casting, and forming occupations (7754, 7755)

789-792

Hand painting, coating, and decorating occupations (7756)

793-794

Hand engraving and printing occupations (7757)

795

Miscellaneous hand working occupations (7758, 7759)

796-802

Production Inspectors, Testers, Samplers, and Weighers

796

Production inspectors, checkers, and examiners (782, 787)

797

Production testers (783)

798

Production samplers and weighers (784)

799-802

Graders and sorters, except agricultural (785)

803-863

Transportation and Material Moving Occupations

803-822

Motor Vehicle Operators

803

Supervisors, motor vehicle operators (8111)

804-805

Truck drivers (8212-8214)

806-807

Driver-sales workers (8218)

808

Bus drivers (8215)

809-812

Taxicab drivers and chauffeurs (8216)

813

Parking lot attendants (874)

814-822

Motor transportation occupations, n.e.c. (8219)

823-842

Transportation Occupations, Except Motor Vehicles

823-827

Rail Transportation Occupations

823

Railroad conductors and yardmasters (8113)

824

Locomotive operating occupations (8232)

825

Railroad brake, signal, and switch operators (8233)

826-827

Rail vehicle operators, n.e.c. (8239)

828-842

Water Transportation Occupations

828

Ship captains and mates, except fishing boats (part 8241, 8242)

829-832

Sailors and deckhands (8243)

833

Marine engineers (8244)

834-842

Bridge, lock, and lighthouse tenders (8245)

843-863

Material Moving Equipment Operators

843

Supervisors, material moving equipment operators (812)

844

Operating engineers (8312)

845-847

Longshore equipment operators (8313)

848

Hoist and winch operators (8314)

849-852

Crane and tower operators (8315)

853-854

Excavating and loading machine operators (8316)

855

Grader, dozer, and scraper operators (8317)

856-858

Industrial truck and tractor equipment operators (8318)

859-863

Miscellaneous material moving equipment operators (8319)

864-902

Handlers, Equipment Cleaners, Helpers, and Laborers

864

Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (85)

865

Helpers, mechanics, and repairers (863)

866-868

Helpers, Construction, and Extractive Occupations

866

Helpers, construction trades (8641-8645, 8648)

867

Helpers, surveyor (8646)

703-902

OPERATORS, FABRICATORS, AND LABORERS—Con.

868 Helpers, extractive occupations (865)
869-873 Construction laborers (871)
874 Production helpers (861, 862)
875-884 Freight, Stock, and Material Handlers
875 Garbage collectors (8722)
876 Stevedores (8723)
877 Stock handlers and baggers (8724)
878-882 Machine feeders and offbearers (8725)
883-884 Freight, stock, and material handlers, n.e.c. (8726)
885-886 Garage and service station related occupations (873)
887 Vehicle washers and equipment cleaners (875)
888 Hand packers and packagers (8761)
889-902 Laborers, except construction (8769)

903-908

**MILITARY OCCUPATIONS (Includes only uniquely military occupations.
Other Armed Forces members are coded to civilian occupations.)**

903 Commissioned officers and warrant officers
904 Non-commissioned officers and other enlisted personnel
905-908 Military occupation, rank not specified

909-999

EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION

909-999 Unemployed, last worked 1984 or earlier

PLACE OF BIRTH

This section contains the code list for place of birth. An alphabetical list of U.S. States and territories, foreign countries, and other areas was used to assign a three-digit code to the birthplace reported by each person. The alphabetical list used in coding included abbreviations and alternate names, including some historical names for countries and names of States, provinces, counties, or other subdivisions of countries.

The following list does not include any of these alternate names, but does include continent and area names used as defaults if a specific country was not named but a broader region or area of birth was reported. The names for foreign countries shown on this list and in the publications reflect the most commonly used names in this country, not their official or legal names. Each entry shown on the following list has a unique code.

The U.S. States and territories were assigned their Federal Information Processing Standards (FIPS) code preceded by a zero. For foreign countries, codes were generally assigned by listing the countries or areas in alphabetical order (followed by default codes) within eight broad continent or regional areas: (1) Europe, (2) Asia, (3) North America, (4) Central America, (5) Caribbean, (6) South America, (7) Africa, and (8) Oceania. The entries for the USSR and the Baltic States are listed following the other entries for Europe for convenience in combining with either Europe or Asia. The entries for Germany also do not follow strict alphabetical order; codes 110-114 can be combined to tabulate an overall figure including Germany (not specified), East Germany, West Germany, and Berlin. The entries for the United Kingdom also do not follow strict alphabetical order; codes 138-145 can be combined to tabulate an overall figure including United Kingdom (not specified), England, Scotland, Wales, Northern Ireland, Guernsey, Jersey, and the Isle of Man. The codes for Asia also include a code for Korea (not specified) since it is often reported in that fashion.

001-059	United States	001-059	United States—Con.
001	Alabama	041	Oregon
002-003	Alaska	042-043	Pennsylvania
004	Arizona	044	Rhode Island
005	Arkansas	045	South Carolina
006-007	California	046	South Dakota
008	Colorado	047	Tennessee
009	Connecticut	048	Texas
010	Delaware	049	Utah
011	District of Columbia	050	Vermont
012	Florida	051-052	Virginia
013-014	Georgia	053	Washington
015	Hawaii	054	West Virginia
016	Idaho	055	Wisconsin
017	Illinois	056-059	Wyoming
018	Indiana		
019	Iowa	060-099	U.S. Outlying Areas and Puerto Rico
020	Kansas	060-065	American Samoa
021	Kentucky	066	Guam
022	Louisiana	067-068	Johnston Atoll
023	Maine	069-070	Northern Mariana Islands
024	Maryland	071	Midway Islands
025	Massachusetts	072-075	Puerto Rico
026	Michigan	076-077	Navassa Island
027	Minnesota	078	U.S. Virgin Islands
028	Mississippi	079-080	Wake Island
029	Missouri	081-083	Baker Island
030	Montana	084-085	Howland Island
031	Nebraska	086-088	Jarvis Island
032	Nevada	089-094	Kingman Reef
033	New Hampshire	095	Palmyra Atoll
034	New Jersey	096-099	U.S. territory, not specified
035	New Mexico		
036	New York		
037	North Carolina	100-199	Europe
038	North Dakota	100	Albania
039	Ohio	101	Andorra
040	Oklahoma	102	Austria

100-199 Europe—Con.

103 Belgium
 104 Bulgaria
 105 Czechoslovakia
 106 Denmark
 107 Faroe Islands
 108 Finland
 109 France
 110 Germany, not specified
 111 West Germany
 112 West Berlin
 113 East Berlin
 114 East Germany
 115 Gibraltar
 116 Greece
 117 Hungary
 118 Iceland
 119 Ireland
 120 Italy
 121 Jan Mayen
 122 Liechtenstein
 123 Luxembourg
 124 Malta
 125 Monaco
 126 Netherlands
 127 Norway
 128 Poland
 129 Portugal
 130 Azores Islands
 131 Madeira Islands
 132 Romania
 133 San Marino
 134 Spain
 135 Svalbard
 136 Sweden
 137 Switzerland
 138 United Kingdom, not specified
 139 England
 140 Scotland
 141 Wales
 142 Northern Ireland
 143 Guernsey
 144 Jersey
 145 Isle of Man
 146 Vatican City
 147 Yugoslavia
 148 Europe, not specified
 149 Central Europe, not specified
 150 Eastern Europe, not specified
 151 Lapland, not specified
 152 Northern Europe, not specified
 153 Southern Europe, not specified
 154-179 Western Europe, not specified
 180 Union of Soviet Socialist Republics
 (USSR)
 181 Baltic States, not specified
 182 Estonia

100-199 Europe—Con.

183 Latvia
 184-199 Lithuania

200-299 Asia

200 Afghanistan
 201 Bahrain
 202 Bangladesh
 203 Bhutan
 204 Brunei
 205 Burma
 206 Cambodia
 207 China
 208 Cyprus
 209 Hong Kong
 210 India
 211 Indonesia
 212 Iran
 213 Iraq
 214 Israel
 215 Japan
 216 Jordan
 217 Korea, not specified
 218 South Korea
 219 North Korea
 220 Kuwait
 221 Laos
 222 Lebanon
 223 Macau
 224 Malaysia
 225 Maldives
 226 Mongolia
 227 Nepal
 228 Oman
 229 Pakistan
 230 Paracel Islands
 231 Philippines
 232 Qatar
 233 Saudi Arabia
 234 Singapore
 235 Spratley Islands
 236 Sri Lanka
 237 Syria
 238 Taiwan
 239 Thailand
 240 Turkey
 241 United Arab Emirates
 242 Vietnam
 243 Yemen, People's Democratic Republic
 244 Yemen Arab Republic
 245 Asia, not specified
 246 Asia Minor, not specified
 247 East Asia, not specified
 248 Gaza Strip
 249 Indochina, not specified
 250 Iraq-Saudi Arabia Neutral Zone
 251 Mesopotamia, not specified

200-299	Asia—Con.	330-374	Caribbean—Con.
252	Middle East, not specified	357	Leeward Islands, not specified
253	Palestine, not specified	358	West Indies, not specified
254	Persian Gulf States, not specified	359-374	Windward Islands, not specified
255	Southeast Asia, not specified		
256-299	West Bank	375-399	South America
300-399	America	375	Argentina
300-309	North America	376	Bolivia
300	Bermuda	377	Brazil
301	Canada	378	Chile
302	Greenland	379	Colombia
303	St. Pierre and Miquelon	380	Ecuador
304-309	North America, not specified	381	Falkland Islands
		382	French Guiana
310-329	Central America	383	Guyana
310	Belize	384	Paraguay
311	Costa Rica	385	Peru
312	El Salvador	386	Suriname
313	Guatemala	387	Uruguay
314	Honduras	388	Venezuela
315	Mexico	389-399	South America, not specified
316	Nicaragua		
317	Panama	400-499	Africa
318-329	Central America, not specified	400	Algeria
330-374	Caribbean	401	Angola
330	Anguilla	402	Bassas da India
331	Antigua and Barbuda	403	Benin
332	Aruba	404	Botswana
333	Bahamas	405	British Indian Ocean Territory
334	Barbados	406	Burkina Faso
335	British Virgin Islands	407	Burundi
336	Cayman Islands	408	Cameroon
337	Cuba	409	Cape Verde
338	Dominica	410	Central African Republic
339	Dominican Republic	411	Chad
340	Grenada	412	Comoros
341	Guadeloupe	413	Congo
342	Haiti	414	Djibouti
343	Jamaica	415	Egypt
344	Martinique	416	Equatorial Guinea
345	Montserrat	417	Ethiopia
346	Netherlands Antilles	418	Europa Island
347	St. Barthelemy	419	Gabon
348	St. Kitts-Nevis	420	Gambia
349	St. Lucia	421	Ghana
350	St. Vincent and the Grenadines	422	Glorioso Islands
351	Trinidad and Tobago	423	Guinea
352	Turks and Caicos Islands	424	Guinea-Bissau
353	Caribbean, not specified	425	Ivory Coast
354	Antilles, not specified	426	Juan de Nova Island
355	British West Indies, not specified	427	Kenya
356	Latin America, not specified	428	Lesotho
		429	Liberia
		430	Libya
		431	Madagascar
		432	Malawi
		433	Mali

400-499

434 Mauritania
 435 Mayotte
 436 Morocco
 437 Mozambique
 438 Namibia
 439 Niger
 440 Nigeria
 441 Reunion
 442 Rwanda
 443 Sao Tome and Principe
 444 Senegal
 445 Mauritius
 446 Seychelles
 447 Sierra Leone
 448 Somalia
 449 South Africa
 450 St. Helena
 451 Sudan
 452 Swaziland
 453 Tanzania
 454 Togo
 455 Tromelin Island
 456 Tunisia
 457 Uganda
 458 Western Sahara
 459 Zaire
 460 Zambia
 461 Zimbabwe
 462 Africa, not specified
 463 Central Africa, not specified
 464 Eastern Africa, not specified
 465 Equatorial Africa, not specified
 466 French Equatorial Africa, not specified
 467 French West Africa, not specified
 468 North Africa, not specified
 469 Western Africa, not specified
 470-499 Southern Africa, not specified

Africa—Con.**500-553**

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554-999

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 555-999

Oceania

Ashmore and Cartier Islands
 Australia
 Christmas Island, Indian Ocean
 Clipperton Island
 Cocos Islands
 Cook Islands
 Coral Sea Islands
 Fiji
 French Polynesia
 Kiribati
 Marshall Islands
 Micronesia
 Nauru
 New Caledonia
 New Zealand
 Niue
 Norfolk Island
 Palau
 Papua New Guinea
 Pitcairn Islands
 Solomon Islands
 Tokelau
 Tonga
 Tuvalu
 Vanuatu
 Wallis and Futuna Islands
 Western Samoa
 Oceania, not specified
 Polynesia, not specified
 Melanesia, not specified
 Antarctica
 Bouvet Island
 French Southern and Antarctic Lands
 Heard and McDonald Islands

At Sea/Abroad, Not Specified

At sea
 Abroad, not specified

RACE

This section contains the alphabetical code list for race and American Indian tribes. The list of race groups and American Indian tribes with their associated 3-digit numerical code was used to code the Asian or Pacific Islander, American Indian, Eskimo, or Aleut, and the Other race write-in entries. A separate set of 3-digit numerical codes were used to identify FOSDIC circles for the race categories listed in the race item on the questionnaire. These codes and their respective race categories are: White-971, Black or Negro-972, Indian (Amer.)-973, Eskimo-974, Aleut-975, Chinese-976, Filipino-977, Hawaiian-978, Korean-979, Vietnamese-980, Japanese-981, Asian Indian-982, Samoan-983, Guamanian-984, Other Asian or Pacific Islander-985, and Other race-986.

000-599, 973 American Indian

000-001	Ahtna
002	Biorka
003	Reserve American Indian 1
004-005	Bristol Bay
006	Chaneliak
007	Chugach
008	Tanaina
009	Doyon
010	Kodiak
011	Reserve American Indian 2
012	Sealaska
013	Umpqua
014	Alaskan Athabaskan
015	Alaska Native
016	Haida
017	Tlingit
018	Tsimshian
019	Alaska Indian
020	Chehalis
021	Chemakum
022	Klallam
023	Jamestown
024	Lower Elwha
025	Port Gamble Klallam
026	Coquilles
027	Cowlitz
028	Lummi
029	Nooksack
030	Puget Sound Salish
031	Duwamish
032	Kikiallus
033	Lower Skagit
034	Muckleshoot
035	Nisqually
036	Puyallup
037	Samish
038	Sauk-Suiattle
039	Upper Skagit
040	Skykomish
041	Snohomish
042	Snoqualmie
043	Squaxin Island
044	Steilacoom
045	Stillaguamish
046	Suquamish
047	Swinomish
048	Tulalip

000-599, 973 American Indian—Con.

049	Port Madison
050	Quinault
051	Quilleute
052	Hoh
053	Makah
054	Talakamish
055	Chinook
056	Clatsop
057	Kathlamet
058	Columbia River Chinook
059	Upper Chinook
060	Wakiakum Chinook
061	Willapa Chinook
062	Alsea
063	Cayuse
064	Celilo
065	Coos
066	Kalapuya
067	Klamath
068	Molala
069	Oregon Athabaskan
070	Siuslaw
071	Takelma
072	Tenino
073	Tillamook
074	Tygh
075	Umatilla
076	Walla-Walla
077	Yahooskin
078	Yakima
079	Skokomish
080	Agua Caliente Cahuilla
081	Augustine
082	Cabazon
083	Cahto
084	Cahuilla
085	Campo
086	Capitan Grande
087	Chemehuevi
088	Chimariko
089	Chumash
090	Costanoan
091	Cupeno
092	Cuyapaipa
093	Diegueno
094	Digger
095	Gabrieleno
096	Hoopa
097	Inaja Cosmit

000-599, 973 American Indian—Con.

098 Karok
 099 Kawaiisu
 100 La Jolla
 101 Lassik
 102 La Posta
 103 Luiseno
 104 Maidu
 105 Manzanita
 106 Mesa Grande
 107 Mountain Maidu
 108 Nishinam
 109 Konkow
 110 Mattole
 111 Miwok
 112 Coast Miwok
 113 Modoc
 114 Mono
 115 Nomalaki
 116 Pala
 117 Pechanga
 118 Pauma
 119 Pit River
 120 Pomo
 121 Dry Creek
 122 Northern Pomo
 123 Kashaya
 124 Central Pomo
 125 Stonyford
 126 Eastern Pomo
 127 Sulphur Bank
 128 Salinan
 129 San Manual
 130 San Pascual
 131 Santa Rosa Cahuilla
 132 Santa Ynez
 133 Santa Ysabel
 134 Serrano
 135 Shasta
 136 Soboba
 137 Sycuan
 138 Tolowa
 139 Torres-Martinez
 140 Kern River
 141 Tule River
 142 Twenty-Nine Palms
 143 Wailaki
 144 Wappo
 145 Whilkut
 146 Wintu
 147 Wiyot
 148 Yana
 149 Yokuts
 150 Tachi
 151 Chukchansi
 152 Yuki
 153 Yurok

000-599, 973 American Indian—Con.

154 Reserve American Indian 3
 155 Columbia
 156 Kalispel
 157 Salish
 158 Coeur D'Alene
 159 Colville
 160 Spokane
 161 Nez Perce
 162 Washo
 163 Alpine
 164 Carson
 165 Dresslerville
 166 Stewart
 167 Wishram
 168 Hoopa Extension
 169 Trinity
 170 Ute
 171 Allen Canyon
 172 Uintah Ute
 173 Ute Mountain Ute
 174 Shoshone Paiute
 175 Paiute
 176 Northern Paiute
 177 Cedarville
 178 Pyramid Lake
 179 Fort Bidwell
 180 Las Vegas
 181 Lovelock
 182 Utu Utu Gwaitu Paiute
 183 Fort Independence
 184 Bridgeport
 185 Burns Paiute
 186 Yerington Paiute
 187 Walker River
 188 Southern Paiute
 189 Kaibab
 190 Moapa
 191 Owens Valley
 192 Summit Lake
 193 Aroostook
 194 Reserve American Indian 5
 195 Shoshone
 196 Battle Mountain
 197 Duck Water
 198 Elko
 199 Ely
 200 Goshute
 201 Panamint
 202 Ruby Valley
 203 South Fork Shoshone
 204 Washakie
 205 Yomba
 206 Te-Moak Western Shoshone
 207 Bannock
 208 Kootenai
 209-210 Havasupai
 211 Hualapai

000-599, 973 American Indian—Con.

212	Yavapai
213	Maricopa
214	Quechan
215	Cocopah
216	Mohave
217	Pima
218	Tohono O'Odham
219	Gila Bend
220	Ak-Chin
221	San Xavier
222	Sells
223	Yaqui
224	Pascua Yaqui
225	Barrio Libre
226	Mississippi Choctaw
227	Reserve American Indian 6
228	Jena Choctaw
229	Pueblo
230	Tigua
231	Taos
232	Picuris
233	Sandía
234	Isleta
235	Keres
236	Acoma
237	Cochiti
238	Laguna
239	San Felipe
240	Santa Ana
241	Santo Domingo
242	Zia
243	Tewa
244	Nambe
245	Pojoaque
246	San Ildefonso
247	San Juan Pueblo
248	Santa Clara
249	Tesuque
250	Arizona Tewa
251	Jemez
252	Hopi
253	Zuni
254	San Juan de
255	Apache
256	Oklahoma Apache
257	Jicarilla Apache
258	Lipan Apache
259	Mescalero Apache
260	Chiricahua
261	Fort Sill Apache
262	San Carlos Apache
263	Payson Apache
264	White Mountain Apache
265	Reserve American Indian 7
266	Reserve American Indian 8
267	Reserve American Indian 9

000-599, 973 American Indian—Con.

268	Reserve American Indian 10
269	Reserve American Indian 11
270	Reserve American Indian 12
271	Reserve American Indian 13
272	Reserve American Indian 14
273	Reserve American Indian 15
274	Reserve American Indian 16
275	Navajo
276	Kiowa
277	Tonkawa
278	Oklahoma Caddo
279	Arikara
280	Oklahoma Pawnee
281	Wichita
282	Sioux
283	Cheyenne River Sioux
284	Crow Creek Sioux
285	Devils Lake Sioux
286	Flandreau Santee
287	Fort Peck
288	Standing Rock Sioux
289	Lake Traverse Sioux
290	Lower Sioux
291	Pine Ridge Sioux
292	Pipestone Sioux
293	Prairie Island Sioux
294	Prior Lake
295	Rosebud Sioux
296	Upper Sioux
297	Sisseton-Wahpeton Sioux
298	Teton Sioux
299	Brule Sioux
300	Lower Brule Sioux
301	Sans Arc Sioux
302	Two Kettle Sioux
303	Blackfoot Sioux
304	Oglala Sioux
305	Miniconjou
306	Yanktonai Sioux
307	Yankton Sioux
308	Santee Sioux
309	Sisseton Sioux
310	Mdewakanton Sioux
311	Wahpekute Sioux
312	Wahpeton Sioux
313	Assiniboine
314	Iowa
315	Otoe-Missouria
316	Winnebago
317	Kaw
318	Omaha
319	Ponca
320	Osage
321	Quapaw
322	Crow
323	Hidatsa
324	Mandan

000-599, 973 American Indian—Con.

325 Comanche
 326 Dakota Sioux
 327 Wazhaza Sioux
 328 Nebraska Winnebago
 329 Wisconsin Winnebago
 330 Chippewa
 331 Bay Mills Chippewa
 332 Sault Ste. Marie Chippewa
 333 Saginaw Chippewa
 334 Keweenaw
 335 Lac Vieux Desert Chippewa
 336 Ontonagon
 337 Leelanau
 338 Minnesota Chippewa
 339 Boise Forte
 340 Grand Portage
 341 Fond Du Lac
 342 Leech Lake
 343 Mille Lac
 344 White Earth
 345 Red Lake Chippewa
 346 Lake Superior
 347 Bad River
 348 Lac Courte Oreilles
 349 Lac Du Flambeau
 350 Red Cliff Chippewa
 351 St. Croix Chippewa
 352 Sokoagon Chippewa
 353 Turtle Mountain
 354 Rocky Boy's Cree
 355 Burt Lake Chippewa
 356 Burt Lake Band
 357 Reserve American Indian 19
 358 Reserve American Indian 20
 359 Burt Lake Ottawa
 360 Blackfoot
 361 Cheyenne
 362 Northern Cheyenne
 363 Southern Cheyenne
 364 Arapaho
 365 Atsina
 366 Menominee
 367 Potawatomie
 368 Citizen Band Potawatomi
 369 Forest County
 370 Hannahville
 371 Huron Potawatomi
 372 Pogagon Potawatomi
 373 Prairie Band
 374 Wisconsin Potawatomi
 375 Ottawa
 376 Miami
 377 Sac and Fox
 378 Peoria
 379 Sac and Fox-Mesquakie
 380 Kickapoo

000-599, 973 American Indian—Con.

381 Shawnee
 382 Algonquian
 383 Micmac
 384 Mailseet
 385 Passamaquoddy
 386 Pleasant Point Passamaquoddy
 387 Indian Township
 388 Penobscot
 389 Abenaki
 390 Wampanoag
 391 Nipmuc
 392 Narragansett
 393 Pequot
 394 Mohegan
 395 Paugussett
 396 Schaghticoke
 397 Brotherton
 398 Shinnecock
 399 Stockbridge
 400 Munsee
 401 Delaware
 402 Sand Hill
 403 Absentee Shawnee
 404 Clifton Choctaw
 405 Iroquois
 406 Seneca
 407 Seneca Nation
 408 Tonawanda Seneca
 409 Seneca-Cayuga
 410 Cayuga
 411 Onondaga
 412 Oneida
 413 Mohawk
 414 Tuscarora
 415 Wyandotte
 416 Cherokee
 417 Eastern Cherokee
 418 Western Cherokee
 419 Etowah Cherokee
 420 United Keetoowah Band
 421 Tuscola
 422 Northern Cherokee
 423 Eastern Muskogee
 424 Agua Caliente
 425 Creek
 426 Thlopthlocco
 427 Yuchi
 428 Hitchiti
 429 Eastern Creek
 430 Principal Creek Indian Nation
 431 Poarch Band
 432 Lower Muskogee
 433 Alabama Coushatta
 434 Choctaw
 435 Houma
 436 Chickasaw
 437 Miccosukee

000-599, 973 American Indian—Con.

438 Seminole
 439 Oklahoma Seminole
 440 Florida Seminole
 441 Big Cypress
 442 Brighton
 443 Hollywood Seminole
 444 Natchez
 445 Matinecock
 446 Montauk
 447 Poospatuck
 448 Setauket
 449 Tuckabachee
 450 Nanticoke
 451 Piscataway
 452 Nansemond
 453 Chickahominy
 454 Pamunkey
 455 Mattaponi
 456 Rappahannock
 457 Attacapa
 458 Biloxi
 459 Catawba
 460 Chitimacha
 461 Coharie
 462 Croatan
 463 Haliwa
 464 Lumbee
 465 Moor
 466 Powhatan
 467 Tunica
 468 Wesort
 469 Southeastern Indians
 470 Cajun
 471 Coushatta
 472 Reserve American Indian 23
 473 Reserve American Indian 24
 474 Reserve American Indian 25
 475 Reserve American Indian 26
 476 Colorado River
 477 Duck Valley
 478 Fallon
 479 Fort Belknap
 480 Fort Berthold
 481 Fort Hall
 482 Fort McDermitt
 483 Fort McDowell
 484 Cow Creek Umpqua
 485 Gila River
 486 Grand Ronde
 487 Los Coyotes
 488 Mission Indians
 489 Morongo
 490 Reno-Sparks
 491 Round Valley
 492 Shoalwater
 493 Siletz
 494 Skull Valley

000-599, 973 American Indian—Con.

495 Susanville
 496 Table Bluff
 497 Wascopum
 498 Wind River
 499 Winnemucca
 500 Yavapai Apache
 501 Reserve American Indian 27
 502 Gros Ventres
 503 Scott Valley
 504 Warm Springs
 505 Santa Rosa
 506 San Juan
 507 Red Wood
 508 Salish and Kootenai
 509 Georgetown
 510 Clear Lake
 511 Yakima Cowlitz
 512 Scotts Valley
 513 Cheyenne-Arapaho
 514 Northern Arapaho
 515 Southern Arapaho
 516 Mashpee Wampanoag
 517 Gay Head Wampanoag
 518 Timbi-Sha Shoshone
 519 Juaneno
 520 Oklahoma Choctaw
 521 Oklahoma Modoc
 522 Oklahoma Kiowa
 523 Oklahoma Comanche
 524 Oklahoma Iowa
 525 Canadian Indian
 526 Oklahoma Ponca
 527 Oklahoma Ottawa
 528 Oklahoma Miami
 529 Oklahoma Peoria
 530 Oklahoma Sac and Fox
 531 Oklahoma Kickapoo
 532 Oklahoma Delaware
 533 Caddo
 534 Pawnee
 535 Michigan Ottawa
 536 Indiana Miami
 537 Missouri Sac and Fox
 538 Eastern Shawnee
 539 Cherokee Shawnee
 540 Kialegee
 541 Alabama Quassarte
 542 Malheur Paiute
 543 Wenatchee
 544 Little Shell Chippewa
 545 Illinois
 546 Rampough Mountain
 547 Lenni-Lenape
 548 Amerind White
 549 Amerind Black
 550 Mexican American Indian
 551 Central American Indian

000-599, 973 American Indian—Con.

552	South American Indian
553	French American Indian
554	Spanish American Indian
555	Cherokees of Southeast Alabama
556	Cherokees of Northeast Alabama
557	Echota Cherokee
558	MaChis Lower Creek Indian
559	MOWA Band of Choctaw
560	Star Clan of Muskogee Creeks
561	Eastern Delaware
562	Cherokee Alabama
563	Reserve American Indian 36
564	Reserve American Indian 37
565	Mexican Indian Cherokee
566	Eastern Chickahominy
567	Western Chickahominy
568	Waccamaw-Siouan
569	Nausu Waiwash
570	Pocomoke Acohonock
571	Susquehanock
572	Wicomico
573	Piro
574	Illinois Miami
575	Tunica Biloxi
576-597	American Indian
598	Tribal response, not elsewhere classified
599	Reserve American Indian 38
973	American Indian (FOSDIC circle)

600-699, 976-985 Asian or Pacific Islander**600-652, 976, 977, 979-982, 985 Asian**

600	Asian Indian
601	Bangladeshi
602	Bhutanese
603	Burmese
604	Cambodian (Kampuchean)
605	Chinese
606	Taiwanese
607	Formosan
608	Filipino
609	Hmong
610	Indonesian
611	Japanese
612	Korean
613	Laotian
614	Malayan
615	Okinawan
616	Pakistani
617	Sri Lankan
618	Thai
619	Vietnamese
620	Amerasian
621	Asian
622	Asiatic

600-652, 976, 977, 979-982, 985 Asian—Con.

623	Eurasian
624	Mongolian
625	Oriental
626	Whello
627	Yellow
628	Borneo
629	Celebesian
630	Ceram
631	Indo-Chinese
632	Iwo Jiman
633	Javanese
634	Maldivian
635	Nepali
636	Sikkim
637	Singaporean
638	Sumatran
639	Madagascar
640	Reserve Asian 2
641	Reserve Asian 3
642	Reserve Asian 4
643	Reserve Asian 5
644	Reserve Asian 6
645	Reserve Asian 7
646	Reserve Asian 8
647	Reserve Asian 9
648	Reserve Asian 10
649	Reserve Asian 11
650	Reserve Asian 12
651	Reserve Asian 13
652	Reserve Asian 14
976	Chinese (FOSDIC circle)
977	Filipino (FOSDIC circle)
979	Korean (FOSDIC circle)
980	Vietnamese (FOSDIC circle)
981	Japanese (FOSDIC circle)
982	Asian Indian (FOSDIC circle)
985	Other Asian or Pacific Islander (FOSDIC circle)

653-699, 978, 983, 984 Pacific Islander**653-659, 978, 983 Polynesian**

653	Hawaiian
654	Part Hawaiian
655	Samoa
656	Tahitian
657	Tongan
658	Polynesian
659	Tokelauan
978	Hawaiian (FOSDIC circle)
983	Samoa (FOSDIC circle)

660-675, 984 Micronesian

660	Guamanian
661	Mariana Islander
662	Marshallese

660-675, 984 Micronesia—Con.

663	Palauan
664	Bikiniian
665	Carolinian
666	Eniwetok
667	Kosraean
668	Kwajalein
669	Micronesia
670	Ponapean (Pohnpeian)
671	Saipanese
672	Tarawa Islander
673	Tinian
674	Trukese (Chuukese)
675	Yapese
984	Guamanian (FOSDIC circle)

676-680 Melanesian

676	Fijian
677	Melanesian
678	Papua New Guinean
679	Solomon Islander
680	New Hebrides

681-699 Other Pacific Islander

681	Pacific Islander
682	Reserve Pacific Islander 1
683	Reserve Pacific Islander 2
684	Reserve Pacific Islander 3
685	Reserve Pacific Islander 4
686	Reserve Pacific Islander 5
687	Reserve Pacific Islander 6
688	Reserve Pacific Islander 7
689	Reserve Pacific Islander 8
690	Reserve Pacific Islander 9
691	Reserve Pacific Islander 10
692	Reserve Pacific Islander 11
693	Reserve Pacific Islander 12
694	Reserve Pacific Islander 13
695	Reserve Pacific Islander 14
696	Asian or Pacific Islander
697	Reserve Asian or Pacific Islander 1
698	Reserve Asian or Pacific Islander 2
699	Reserve Asian or Pacific Islander 3

700-799, 986, 987-999 Other Race**700-748 Hispanic Origin**

700	Argentinian
701	Bolivian
702	Boricua
703	Californio
704	Central American
705	Chicano
706	Chilean
707	Colombian
708	Costa Rican
709	Cuban
710	Dominican
711	Ecuadorian (Ecuadorian)

700-748 Hispanic Origin—Con.

712	Salvadoran
713-714	Galapagos
715	Guajiro
716	Guatemalan
717	Hispanic
718	Honduran
719	La Raza
720	Latin American
721	Mestizo
722	Mexican
723	Nicaraguan
724	Panamanian
725	Paraguayo
726	Peruvian
727	Puerto Rican
728	Morena
729	South American
730	Spanish
731	Spanish-American
732	Spanish-Mexican
733	Sudamericano
734	Uruguayan
735	Venezuelan
736	Reserve Hispanic 2
737	Reserve Hispanic 3
738	Reserve Hispanic 4
739	Reserve Hispanic 5
740	Reserve Hispanic 6
741	Reserve Hispanic 7
742	Reserve Hispanic 8
743	Reserve Hispanic 9
744	Reserve Hispanic 10
745	Reserve Hispanic 11
746	Reserve Hispanic 12
747	Reserve Hispanic 13
748	Reserve Hispanic 14

749-799, 986, 987-999 Not of Hispanic Origin

749-750	Brava
751	Brazil
752	Brown
753	Bushwacker
754	Cajun
755	Cape Verdean
756	Chocolate
757	Coe Clan
758	Coffee
759	Cosmopolitan
760	Issues
761	Jackson White
762	Lapp
763	Melungeon
764	Mixed
765	Ramp
766	Tunica
767	Wesort

749-799, 986, 987-999 Not of Hispanic Origin—Con.

768	Mulatto
769	Moor
770	Biracial/Interracial
771	Creole
772	Indian
773	Turk
774	Half-Breed
775	Rainbow
776	Octoroon
777	Quadroon
778	Reserve Non-Hispanic 3
779	Reserve Non-Hispanic 4
780	Reserve Non-Hispanic 5
781	Reserve Non-Hispanic 6
782	Reserve Non-Hispanic 7
783	Reserve Non-Hispanic 8
784	Reserve Non-Hispanic 9
785	Reserve Non-Hispanic 10
786	Reserve Non-Hispanic 11
787	Reserve Non-Hispanic 12
788	Reserve Non-Hispanic 13
789	Reserve Non-Hispanic 14
790	Reserve Non-Hispanic 15
791	Reserve Non-Hispanic 16
792	Reserve Non-Hispanic 17
793	Reserve Non-Hispanic 18
794	Reserve Non-Hispanic 19
795	Reserve Non-Hispanic 20
796	Reserve Non-Hispanic 21
797	Reserve Non-Hispanic 22
798	Trinidad
799	Other race, not elsewhere classified
986	Other race (FOSDIC circle)
987-999	Reserve Other race

800-869, 971 White

800	White
801	Arab
802	English
803	French
804	German
805	Irish
806	Italian
807	Near Easterner
808	Polish
809	Scottish
810	White and Black
811	White Amerind
812	White Chinese
813	White Formosan/Taiwanese
814	White Filipino
815	White Hawaiian
816	White Korean
817	White Vietnamese
818	White Japanese

800-869, 971 White—Con.

819	White Asian Indian
820	White Samoan
821	White Guamanian
822	White Bangladeshi
823	White Burmese
824	White Cambodian (Kampuchean)
825	White Hmong
826	White Indonesian
827	White Laotian
828	White Malayan
829	White Okinawan
830	White Pakistani
831	White Sri Lankan
832	White Thai
833	White Fijian
834	White Palauan
835	White Tahitian
836	White Tongan
837	White Other Asian or Pacific Islander
838	White Eskimo
839	White Aleut
840	Reserve White 3
841	Reserve White 4
842	Reserve White 5
843	Reserve White 6
844	Reserve White 7
845	Reserve White 8
846	Reserve White 9
847	Reserve White 10
848	Reserve White 11
849	Reserve White 12
850	Reserve White 13
851	Reserve White 14
852	Reserve White 15
853	Reserve White 16
854	Reserve White 17
855	Reserve White 18
856	Reserve White 19
857	Reserve White 20
858	Reserve White 21
859	Reserve White 22
860	Reserve White 23
861	Reserve White 24
862	Reserve White 25
863	Reserve White 26
864	Reserve White 27
865	Reserve White 28
866	Reserve White 29
867	Reserve White 30
868	Reserve White 31
869	White Cherokee
971	White (FOSDIC circle)

870-934, 972 Black or Negro

870	Black
871	African

870-934, 972 Black or Negro—Con.

872 African American
 873 Afro-American
 874 Nigritian
 875 Black and White
 876 Black Amerind
 877 Black Chinese
 878 Black Formosan/Taiwanese
 879 Black Filipino
 880 Black Hawaiian
 881 Black Korean
 882 Black Vietnamese
 883 Black Japanese
 884 Black Asian Indian
 885 Black Samoan
 886 Black Guamanian
 887 Black Bangladeshi
 888 Black Burmese
 889 Black Cambodian (Kampuchean)
 890 Black Hmong
 891 Black Indonesian
 892 Black Laotian
 893 Black Malaysian
 894 Black Okinawan
 895 Black Pakistani
 896 Black Sri Lankan
 897 Black Thai
 898 Black Fijian
 899 Black Palauan
 900 Black Tahitian
 901 Black Tongan
 902 Black Other Asian or Pacific Islander
 903 Black Eskimo
 904 Black Aleut
 905 Reserve Black 3
 906 Reserve Black 4
 907 Reserve Black 5
 908 Reserve Black 6
 909 Reserve Black 7
 910 Reserve Black 8
 911 Reserve Black 9
 912 Reserve Black 10
 913 Reserve Black 11
 914 Reserve Black 12
 915 Reserve Black 13
 916 Reserve Black 14
 917 Reserve Black 15
 918 Reserve Black 16
 919 Reserve Black 17
 920 Reserve Black 18
 921 Reserve Black 19
 922 Reserve Black 20
 923 Reserve Black 21

870-934, 972 Black or Negro—Con.

924 Reserve Black 22
 925 Reserve Black 23
 926 Reserve Black 24
 927 Reserve Black 25
 928 Reserve Black 26
 929 Reserve Black 27
 930 Reserve Black 28
 931 Reserve Black 29
 932 Reserve Black 30
 933 Reserve Black 31
 934 Black Cherokee
 972 Black or Negro (FOSDIC circle)

935-940, 974 Eskimo

935 Eskimo
 936 Reserve Eskimo 1
 937 Reserve Eskimo 2
 938 Reserve Eskimo 3
 939 Reserve Eskimo 4
 940 Wales
 974 Eskimo (FOSDIC circle)

941-970, 975 Aleut

941 Aleut
 942 Reserve Aleut 1
 943 Reserve Aleut 2
 944 Reserve Aleut 3
 945 Reserve Aleut 4
 946-970 Reserve Aleut 5
 975 Aleut (FOSDIC circle)

971-986 FOSDIC Circle Codes

971 See White
 972 See Black or Negro
 973 See American Indian
 974 See Eskimo
 975 See Aleut
 976 See Asian
 977 See Asian
 978 See Pacific Islander
 979 See Asian
 980 See Asian
 981 See Asian
 982 See Asian
 983 See Pacific Islander
 984 See Pacific Islander
 985 See Asian
 986 See Other race

987-999 Reserve Other Race





UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, DC 20233-0001

March, 1992

**To: Census of Population and Housing, 1990: Summary Tape File 3
Data Users**

**From: Data User Services Division
Bureau of the Census**

Attached are User Notes 2-3 and Technical Notes 1-2 for the Summary Tape File 3 data. Please file the user notes in the technical documentation as directed. We also suggest filing the technical notes in the technical documentation notebook. User Note 1 was released in an earlier distribution.

These notes are sent automatically without charge to Census Bureau tape purchasers. They are available to others on a subscription basis at a cost of \$40 annually. To subscribe, contact Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233.

Both user notes and technical notes are available upon release from the State and Regional Programs electronic bulletin board. The bulletin board can be accessed on 301-763-7554.



CENSUS OF POPULATION AND HOUSING, 1990: SUMMARY TAPE FILE 3

USER NOTE 2

Clarification of Differences Between 100-Percent Counts and Sample Estimates—Estimated population and housing unit totals based on tabulations from only the sample questionnaires (sample tabulations) may differ from the official counts as tabulated from every census questionnaire (100-percent tabulations). Such differences result, in part, because the sample tabulations are based on information from a sample of households rather than from all households (sampling error). Differences also can occur because the interview situation (length of questionnaire, effect of the interviewer, and so forth) and the processing rules differ somewhat between the 100-percent and sample tabulations. These types of differences are reflected in what is called nonsampling error. (For a more detailed description of nonsampling error, see Appendix C, "Accuracy of the Data," in the technical documentation for Summary Tape File 3.)

The 100-percent data are the official counts and should be used as the source of information on items collected on the 100-percent questionnaire, such as race, Hispanic origin, age, and number of rooms in housing. This is especially appropriate when the primary focus is on counts of the population or housing units for small areas such as census tracts, block groups, and for American Indian and Alaska Native areas. For estimates of counts of persons and housing units by characteristics asked only on a sample basis (such as education, labor force status, income, and source of water), the sample estimates should be used within the context of the error associated with them.

Many users are interested in tabulations of items collected on the sample cross-classified by items collected on a 100-percent basis such as age, race, gender, Hispanic origin, and housing units by tenure. Given the way the weights were applied during sample tabulations, generally there is exact agreement between sample estimates and 100-percent counts for total population and total housing units for most geographic areas. At the state and higher levels, we also would expect that sample estimates and 100-percent counts for population

by race, age, gender, and Hispanic origin and for housing units by tenure, number of rooms, and so on, would be reasonably similar and, in some cases, the same. At smaller geographic levels, including census tract, there is still general agreement between 100-percent counts and sample estimates of total population or housing units. At smaller geographic levels, however, there will be expected differences between sample estimates and 100-percent counts for population by race, age, gender, and Hispanic origin and for housing units by tenure, number of rooms, and so on. In these cases, users may want to consider using derived measures (mean, median, and so on) or percent distributions. Whether using absolute numbers or derived measures for small population groups and for a small number of housing units in small geographic areas, users should be cautioned that the sampling error associated with these data may be large.

Even though the differences between sample estimates and 100-percent counts for these categories are generally small, the differences for the American Indian as well as the Hispanic origin populations are relatively larger than for other groups. The following provides some explanation for these differences.

State-level sample estimates of the number of American Indians are generally higher than the corresponding 100-percent counts. It appears the differences are primarily the result of proportionately higher reporting of "Cherokee" tribe on sample questionnaires. This phenomenon occurs primarily in off-reservation areas. The reasons for the greater reporting of Cherokee on sample forms are not fully known at this time. The Census Bureau will do research to provide more information on this phenomenon.

For the Hispanic origin population, sample estimates at the state level are generally lower than the corresponding 100-percent counts. The majority of difference is caused by the 100-percent and sample processing of the Hispanic question on the sample questionnaire when the respondent did not mark any response category. When processing the sample, we

used written entries in race or Hispanic origin as well as responses to questions only asked on the sample, such as ancestry and place of birth. These procedures led to a lower proportion of persons being assigned as Hispanic in sample processing than were assigned during 100-percent processing. The Census Bureau will evaluate the effectiveness of the 100-percent and sample procedures.

As we have done in previous censuses, we will evaluate the quality of the data and make this information available to data users. In the meanwhile, both 100-percent and sample data serve very important purposes and, therefore, should be used within the limitations of the sampling and nonsampling errors.

February 1992



UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, DC 20233-0001

**CENSUS OF POPULATION AND HOUSING, 1990:
SUMMARY TAPE FILE 3**

USER NOTE 3

Please replace page 5-30 of the Table (Matrix) Outlines chapter and page 45 of the Data Dictionary Table (Matrix) Section with the attached revised pages. The

line following "Income in 1989 above poverty level:" in table P122 should be shown as **Under 65 years:** (It is shown incorrectly as 15 to 64 years:).

March 1992

Table (matrix)	Title	Total number of data cells
P115.	AGGREGATE INCOME IN 1989(1) BY RACE(5) <i>Universe: Persons 15 years and over</i> Total: White Black American Indian, Eskimo, or Aleut Asian or Pacific Islander Other race	5
P115A.	PER CAPITA INCOME IN 1989(1) BY RACE(5) <i>Universe: Persons</i> Per capita income in 1989: White Black American Indian, Eskimo, or Aleut Asian or Pacific Islander Other race	5
P116.	AGGREGATE INCOME IN 1989(1) <i>Universe: Persons of Hispanic origin 15 years and over</i> Total	1
P116A.	PER CAPITA INCOME IN 1989(1) <i>Universe: Persons of Hispanic origin</i> Per capita income in 1989	1
P117.	POVERTY STATUS IN 1989(2) BY AGE(12) <i>Universe: Persons for whom poverty status is determined</i> Income in 1989 above poverty level: Under 5 years 5 years 6 to 11 years 12 to 17 years 18 to 24 years 25 to 34 years 35 to 44 years 45 to 54 years 55 to 59 years 60 to 64 years 65 to 74 years 75 years and over Income in 1989 below poverty level: (Repeat AGE)	24
P118.	POVERTY STATUS IN 1989(2) BY SEX(2) BY AGE(7) <i>Universe: Persons for whom poverty status is determined</i> Income in 1989 above poverty level: Male: Under 5 years 5 years 6 to 11 years 12 to 17 years 18 to 64 years 65 to 74 years 75 years and over Female: (Repeat AGE) Income in 1989 below poverty level: (Repeat SEX By AGE)	28

Table (matrix)	Title	Total number of data cells
P119.	POVERTY STATUS IN 1989(2) BY RACE(5) BY AGE(7) <i>Universe: Persons for whom poverty status is determined</i> Income in 1989 above poverty level: White: Under 5 years 5 years 6 to 11 years 12 to 17 years 18 to 64 years 65 to 74 years 75 years and over Black: (Repeat AGE) American Indian, Eskimo, or Aleut: (Repeat AGE) Asian or Pacific Islander: (Repeat AGE) Other race: (Repeat AGE) Income in 1989 below poverty level: (Repeat RACE By AGE)	70
P120.	POVERTY STATUS IN 1989(2) BY AGE(7) <i>Universe: Persons of Hispanic origin for whom poverty status is determined</i> Income in 1989 above poverty level: Under 5 years 5 years 6 to 11 years 12 to 17 years 18 to 64 years 65 to 74 years 75 years and over Income in 1989 below poverty level: (Repeat AGE)	14
P121.	RATIO OF INCOME IN 1989 TO POVERTY LEVEL(9)..... <i>Universe: Persons for whom poverty status is determined</i> Under .50 .50 to .74 .75 to .99 1.00 to 1.24 1.25 to 1.49 1.50 to 1.74 1.75 to 1.84 1.85 to 1.99 2.00 and over	9
P122.	POVERTY STATUS IN 1989(2) BY AGE(3) BY HOUSEHOLD TYPE AND RELATIONSHIP(9)..... <i>Universe: Persons for whom poverty status is determined</i> Income in 1989 above poverty level: Under 65 years: In married-couple family In other family: Male householder, no wife present Female householder, no husband present Unrelated individuals: In family households In nonfamily households: Householder: Living alone Not living alone Nonrelatives In group quarters Filler	54

TABLE (MATRIX) SECTION—(Con.)

Table (matrix) number	Table (matrix)	Starting position	Starting position within segment	Table (matrix) coordinates
P119.	POVERTY STATUS IN 1989(2) BY RACE(5) BY AGE(7) [70] <i>Universe: Persons for whom poverty status is determined</i> Income in 1989 above poverty level:			
	White:			
	Under 5 years	20375	4525	1,1,1
	5 years	20384	4534	1,1,2
	6 to 11 years	20393	4543	1,1,3
	12 to 17 years	20402	4552	1,1,4
	18 to 64 years	20411	4561	1,1,5
	65 to 74 years	20420	4570	1,1,6
	75 years and over	20429	4579	1,1,7
	Black:			
	(Repeat AGE)	20438	4588	1,2,1
	American Indian, Eskimo, or Aleut:			
	(Repeat AGE)	20501	4651	1,3,1
	Asian or Pacific Islander:			
	(Repeat AGE)	20564	4714	1,4,1
	Other race:			
	(Repeat AGE)	20627	4777	1,5,1
	Income in 1989 below poverty level:			
	(Repeat RACE By AGE)	20690	4840	2,1,1
P120.	POVERTY STATUS IN 1989(2) BY AGE(7) [14] <i>Universe: Persons of Hispanic origin for whom poverty status is determined</i> Income in 1989 above poverty level:			
	Under 5 years	21005	5155	1,1
	5 years	21014	5164	1,2
	6 to 11 years	21023	5173	1,3
	12 to 17 years	21032	5182	1,4
	18 to 64 years	21041	5191	1,5
	65 to 74 years	21050	5200	1,6
	75 years and over	21059	5209	1,7
	Income in 1989 below poverty level:			
	(Repeat AGE)	21068	5218	2,1
P121.	RATIO OF INCOME IN 1989 TO POVERTY LEVEL(9) [9] <i>Universe: Persons for whom poverty status is determined</i>			
	Under .50	21131	5281	1
	.50 to .74	21140	5290	2
	.75 to .99	21149	5299	3
	1.00 to 1.24	21158	5308	4
	1.25 to 1.49	21167	5317	5
	1.50 to 1.74	21176	5326	6
	1.75 to 1.84	21185	5335	7
	1.85 to 1.99	21194	5344	8
	2.00 and over	21203	5353	9
P122.	POVERTY STATUS IN 1989(2) BY AGE(3) BY HOUSEHOLD TYPE AND RELATIONSHIP(9) [54] <i>Universe: Persons for whom poverty status is determined</i> Income in 1989 above poverty level:			
	Under 65 years:			
	In married-couple family	21212	5362	1,1,1
	In other family:			
	Male householder, no wife present	21221	5371	1,1,2
	Female householder, no husband present	21230	5380	1,1,3

TABLE (MATRIX) SECTION—(Con.)

Table (matrix) number	Table (matrix)	Starting position	Starting position within segment	Table (matrix) coordinates
P122.	POVERTY STATUS IN 1989(2) BY AGE(3) BY HOUSEHOLD TYPE AND RELATIONSHIP(9) [54]—Con.			
	Unrelated individuals:			
	In family households.....	21239	5389	1,1,4
	In nonfamily households:			
	Householder:			
	Living alone.....	21248	5398	1,1,5
	Not living alone.....	21257	5407	1,1,6
	Nonrelatives.....	21266	5416	1,1,7
	In group quarters.....	21275	5425	1,1,8
	Filler.....	21284	5434	1,1,9
	65 to 74 years:			
	(Repeat HOUSEHOLD TYPE AND RELATIONSHIP).....	21293	5443	1,2,1
	75 years and over:			
	(Repeat HOUSEHOLD TYPE AND RELATIONSHIP).....	21374	5524	1,3,1
	Income in 1989 below poverty level:			
	(Repeat AGE By HOUSEHOLD TYPE AND RELATIONSHIP).....	21455	5605	2,1,1
P123.	POVERTY STATUS IN 1989(2) BY FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN(12) [24]			
	<i>Universe: Families</i>			
	Income in 1989 above poverty level:			
	Married-couple family:			
	With related children under 18 years:			
	Under 5 years only.....	21698	5848	1,1
	5 to 17 years only.....	21707	5857	1,2
	Under 5 years and 5 to 17 years.....	21716	5866	1,3
	No related children under 18 years.....	21725	5875	1,4
	Other family:			
	Male householder, no wife present:			
	With related children under 18 years:			
	Under 5 years only.....	21734	5884	1,5
	5 to 17 years only.....	21743	5893	1,6
	Under 5 years and 5 to 17 years.....	21752	5902	1,7
	No related children under 18 years.....	21761	5911	1,8
	Female householder, no husband present:			
	With related children under 18 years:			
	Under 5 years only.....	21770	5920	1,9
	5 to 17 years only.....	21779	5929	1,10
	Under 5 years and 5 to 17 years.....	21788	5938	1,11
	No related children under 18 years.....	21797	5947	1,12
	Income in 1989 below poverty level:			
	(Repeat FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN)	21806	5956	2,1
P124.	POVERTY STATUS IN 1989(2) BY RACE OF HOUSEHOLDER(5) BY FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN(12) [120]			
	<i>Universe: Families</i>			
	Income in 1989 above poverty level:			
	White:			
	Married-couple family:			
	With related children under 18 years:			
	Under 5 years only.....	21914	6064	1,1,1
	5 to 17 years only.....	21923	6073	1,1,2
	Under 5 years and 5 to 17 years.....	21932	6082	1,1,3
	No related children under 18 years.....	21941	6091	1,1,4



UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, DC 20233-0001

CENSUS OF POPULATION AND HOUSING, 1990: SUMMARY TAPE FILE 3 DATA

TECHNICAL NOTE 1

(Selected States)

Names and/or various codes for certain geographic entities are incorrect in the P.L. 94-171 data files, the 1990 census summary tape files, and the various TIGER extract products. Those marked with an asterisk also are shown incorrectly in the published data products and/or on the census maps. Bold type identifies the correct entry.

Alabama (01)

In the records for Selmont-West Selmont CDP (place: census code 1557; FIPS code 69180), the FIPS class code should be shown as **U2** (it is shown incorrectly as U1).

In the records for West End-Cook Town CDP (place: census code 1070; FIPS code 69180), the FIPS class code should be shown as **U2** (it is shown incorrectly as U1).

Arizona (04)

* In the records for **Colorado River Reservation, AZ-CA (pt.)** (American Indian reservation: census code 0735; FIPS code 14940), the name is shown incorrectly as Colorado River Reservation, AZ-CA; also, the part flag should be shown as 1 (it is shown incorrectly as 0).

* In the records for **Fort Yuma (Quechan) Reservation, AZ-CA (pt.)** (American Indian reservation: census code 1280; FIPS code 25100), the name is shown incorrectly as Fort Yuma (Quechan) Reservation, AZ-CA; also, the part flag should be shown as 1 (it is shown incorrectly as 0).

* In the records for Tsaile CDP (place: census code 0377), the FIPS code should be shown as **75660** (it is shown incorrectly as 75600).

Arkansas (05)

In the records for Cherokee Village-Hidden Valley CDP (place: census code 1557; FIPS code 69180), the FIPS class code should be shown as **U2** (it is shown incorrectly as U1).

In the records for Parker-Iron Springs CDP (place: census code 1577; FIPS code 53555), the FIPS class code should be shown as **U2** (it is shown incorrectly as U1).

California (06)

* In the records for **Colorado River Reservation, AZ-CA (pt.)** (American Indian reservation: census code 0735; FIPS code 14876), the name is shown incorrectly as Colorado River Reservation, AZ-CA; also, the part flag should be shown as 1 (it is shown incorrectly as 0).

* In the records for **Coto de Caza CDP** (place: census code 0630; FIPS code 16580), the name is shown incorrectly as Coto De Caza.

* In the records for **Fort Yuma (Quechan) Reservation, AZ--CA (pt.)** (American Indian reservation: census code 1280; FIPS code 25324), the name is shown incorrectly as Fort Yuma (Quechan) Reservation, AZ--CA; also, the part flag should be shown as 1 (it is shown incorrectly as 0).

* In the records for **Lake of the Pines CDP** (place: census code 1443; FIPS code 39690), the name is shown incorrectly as Lake Of The Pines.

Connecticut (09)

In the records for the following CDP's, the FIPS class code should be shown as U2 (it is shown incorrectly as U1):

<u>Name</u>	<u>Census Code</u>	<u>FIPS Code</u>
Bethlehem Village CDP	0135	04945
Central Manchester CDP	0353	13435
Central Somers CDP	0355	13445
Central Waterford CDP	0357	13495
Cheshire Village CDP	0379	14200
Conning Towers-Nautilus Park CDP	0480	16960
Essex Village CDP	0760	26370
Northwest Harwinton CDP	1625	55725
Plainfield Village CDP	1730	60090
Putnam District CDP	1855	62745

Delaware (10)

In the records for **Dover Base Housing CDP** (place: census code 0076; FIPS code 21355), the place description code should be shown as E (it is shown incorrectly as D).

In the records for **Highland Acres CDP** (place: census code 0132; FIPS code 34810), the place description code should be shown as E (it is shown incorrectly as D).

In the records for **Kent Acres CDP** (place: census code 0136; FIPS code 38710), the place description code should be shown as E (it is shown incorrectly as D).

In the records for **Pike Creek CDP** (place: census code 0216; FIPS code 56490), the place description code should be shown as D (it is shown incorrectly as E).

In the records for **Rising Sun-Lebanon CDP** (place: census code 0218; FIPS code 61265), the place description code should be shown as E (it is shown incorrectly as D).

In the records for **Rodney Village CDP** (place: census code 0222; FIPS code 61720), the place description code should be shown as E (it is shown incorrectly as D).

In the records for **Woodside East CDP** (place: census code 0263; FIPS code 80895), the place description code should be shown as E (it is shown incorrectly as D).

Hawaii (15)

In the records for **Ewa Gentry CDP** (place: census code 0031; FIPS code 07470), the place description code should be shown as E (it is shown incorrectly as D).

In the records for **Village Park CDP** (place: census code 0407; FIPS code 72255), the place description code should be shown as E (it is shown incorrectly as D).

* In the records for **Waihee-Waiehu CDP** (place: census code 0434; FIPS code 75510), the name is shown incorrectly as Waihee-Waiehue.

Maryland (24)

In the records for Arbutus CDP (place: census code 0014; FIPS code 01975), the FIPS class code should be shown as **U1** (it is shown incorrectly as U2).

In the records for Joppatowne CDP (place: census code 0518; FIPS code 42875), the FIPS class code should be shown as **U1** (it is shown incorrectly as U2).

In the records for Lutherville-Timonium CDP (place: census code 0597; FIPS code 48900), the FIPS class code should be shown as **U2** (it is shown incorrectly as U1).

In the records for Westminster South CDP (place: census code 1031; FIPS code 83125), the FIPS class code should be shown as **U2** (it is shown incorrectly as U1).

Nebraska (31)

* In the records for **Offutt AFB CDP** (place: census code 1814; FIPS code 35945), the name is shown incorrectly as **Offutt AFB West**.

New Jersey (34)

In the records for Hanover Township CDP (place: census code 2087; FIPS code 296550), the FIPS class code should be shown as **U2** (it is shown incorrectly as U1).

In the records for Holiday City South CDP (place: census code 2200; FIPS code 32418), the FIPS class code should be shown as **U2** (it is shown incorrectly as U1).

New Mexico (35)

In the records for Ranchos de Taos CDP (place: census code 0321; FIPS code 61710), the FIPS class code should be shown as **U1** (it is shown incorrectly as U2).

In the records for Rio Communities CDP (place: census code 0331; FIPS code 63145), the FIPS class code should be shown as **U2** (it is shown incorrectly as U1).

Tennessee (47)

In the records for Lynchburg, Moore County (place: census code 0850; FIPS code 91096), the FIPS class code should be shown as **C1** (it is shown incorrectly as C7).

West Virginia (54)

* In the records for **Sand Fork (Layopolis) town** (Incorporated place: census code 1433; FIPS code 71620), the name is shown incorrectly as **Sand Fork**.



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Bureau of the Census
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**CENSUS OF POPULATION AND HOUSING, 1990:
SUMMARY TAPE FILE 3 DATA**

TECHNICAL NOTE 2

(Selected States)

Names and/or various codes for certain geographic entities are incorrect in the P.L. 94-171 data files, the 1990 census summary tape files, and the various TIGER extract products. Those marked with an asterisk also are shown incorrectly on the census maps. Bold type identifies the correct entry.

Florida (12)

- * In the records for Jacksonville city (remainder), the census place code should be shown as **1000** and the FIPS 55 place code should be shown as **35005**. These codes are shown incorrectly as 1003 and 35000 in the P.L. 94-171 data products and as 1003 and 35160 in the 1990 census summary tape files.
- * In the records for Jacksonville Beach city (place: FIPS 55 place code 35050), the census place code should be shown as **1005** (it is shown incorrectly as 1002).

North Dakota (38)

- * In the records for Turtle Mountain unorg. (MCD equivalent in Rolette County (079): census code 545, FIPS 55 code **80010**), the name and FIPS 55 code are shown incorrectly as Turtle Mountains and 80030.

Tennessee (47)

- * In the records for Lynchburg, Moore County (place: census code 0850), the FIPS 55 code and class code should be shown as **44382** and **C1** (they are shown incorrectly as 44380 and C7).

March 1992



UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, DC 20233-0001

August, 1992

**To: Census of Population and Housing, 1990: Summary Tape File 3
Data Users**

**From: Data User Services Division
Bureau of the Census**

Attached are User Notes 4-10 and Technical Notes 3-7 for the Summary Tape File 3 data. Please file the user notes in the technical documentation as directed. We also suggest filing the technical notes in the technical documentation notebook. User Notes 1-3 and Technical Notes 1-2 were released in earlier distributions.

These notes are sent automatically without charge to Census Bureau tape purchasers. They are available to others on a subscription basis at a cost of \$40 annually. To subscribe, contact Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233.

Both user notes and technical notes are available upon release from the State and Regional Programs electronic bulletin board. The bulletin board can be accessed on 301-763-7554.



UNITED STATES DEPARTMENT OF COMMERCE
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**CENSUS OF POPULATION AND HOUSING, 1990:
SUMMARY TAPE FILE 3**

USER NOTE 4

Appendix G. The latitude and longitude values shown by tick marks in the margins of the County Subdivision Outline Maps in appendix G are approximate. They are

shown only for general reference. They are displayed accurately on the State and County Outline Maps.

April 1992



UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, DC 20233-0001

**CENSUS OF POPULATION AND HOUSING, 1990:
SUMMARY TAPE FILE 3**

USER NOTE 5

Data presented in matrices H50A "Median Gross Rent as a Percentage of Household Income in 1989" and H58A "Median Selected Monthly Owner Costs as a Percentage of Household Income in 1989 and Mortgage Status" in Summary Tape File 3 are not consistent with Appendix B - Definitions of Subject Characteristics.

When the median falls in the lower interval of the tabulation distribution, the estimated value obtained by linear interpolation is shown rather than the upper value of the category followed by a minus sign (-). The lower interval has an assumed range of 0 to 19.9 percent.

April 1992



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**CENSUS OF POPULATION AND HOUSING, 1990:
SUMMARY TAPE FILE 3**

USER NOTE 6

The data shown in this product for persons enumerated in "visible in street locations" are incorrect and should not be used. Only the 100-percent data shown in data products, such as Summary Tape Files (STF's) 1 and 2 and in the 1990 CP-1, *General Population Characteristics* State reports should be used for persons enumerated at "visible in street locations."

During "Shelter and Street Night Enumeration," all visible persons on the streets were asked only the basic 100-percent population questions (age, sex, marital status, race, and Hispanic origin).

During census processing of sample data, information from the long-form questionnaire was inadvertently assigned to a very small percentage of the visible in street population.

May 1992



UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, DC 20233-0001

CENSUS OF POPULATION AND HOUSING, 1990: SUMMARY TAPE FILE 3

USER NOTE 7

The estimated population totals for persons in group quarters, specifically by group quarters type, that are based on census sample tabulations may differ from comparable figures shown in 100-percent tabulations. Such differences result, in part, from sampling variability which occurs because information was obtained from a sample of the population rather than from all persons. Differences also occur because of nonsampling errors which affect the 100-percent and sample data. Examples of nonsampling errors include respondent and enumerator errors, processing errors, and nonresponse.

The 100-percent data are the official counts and should be used as the source for data on group quarters type when the primary focus is on counts of the

population in group quarters, especially for small areas such as census tracts/BNA's or blocks. When the group quarters population is shown by characteristics covered only on a sample basis (for example, education, labor force status, income, etc.), the sample figures should be used within the context of the sampling variability associated with them.

For more information on the limitations of 100-percent and sample data for persons in group quarters and the classification of group quarters type, see appendix B. Reasons for the differences between 100-percent and sample totals will be an important focus of post-census research and evaluation.

May 1992



UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, DC 20233-0001

**CENSUS OF POPULATION AND HOUSING, 1990:
SUMMARY TAPE FILE 3**

USER NOTE 8

Table (Matrix) P154—The allocations for place of work may be overstated for certain geographic areas, since the category, "One or more but not all geographic parts allocated" refers to allocations at any geographic level

(State, county, minor civil division, place, census tract, or block) regardless of the specific geographic area shown in this data product.

May 1992



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**CENSUS OF POPULATION AND HOUSING, 1990:
SUMMARY TAPE FILE 3**

USER NOTE 9

Please replace page 6-6 of the Summary Level Sequence Charts chapter with the attached revised copy.

July 1992

Summary level area	Summary level code	Geographic component code
American Indian Reservation with no Trust Lands/Tribal Jurisdiction Statistical Area/Tribal Designated Statistical Area/Alaska Native Village Statistical Area—State	207	00
American Indian Reservation [reservation with or without trust lands; reservation only]/Tribal Jurisdiction Statistical Area/Tribal Designated Statistical Area/Alaska Native Village Statistical Area—State—County	220	00
American Indian Trust Lands [trust lands with no reservation]	204	00
American Indian Trust Lands [trust lands with no reservation]—State	208	00
American Indian Trust Lands [trust lands with or without reservation; trust lands only]—State—County	221	00
State—Alaska Native Regional Corporation	230	00
Metropolitan Statistical Area/Consolidated Metropolitan Statistical Area	300	00 23 24
Metropolitan Statistical Area [no CMSAs]—State—Central City	340	00
Metropolitan Statistical Area/Consolidated Metropolitan Statistical Area—State	310	00
Metropolitan Statistical Area [no CMSAs]—State—County	329	00
Consolidated Metropolitan Statistical Area—Primary Metropolitan Statistical Area	301	00 23 24
Consolidated Metropolitan Statistical Area—Primary Metropolitan Statistical Area—State—Central City	341	00
Consolidated Metropolitan Statistical Area—Primary Metropolitan Statistical Area—State	311	00
Consolidated Metropolitan Statistical Area—Primary Metropolitan Statistical Area—State—County	331	00
Urbanized Area	400	00 03 04
Urbanized Area—State—Central Place	460	00
Urbanized Area—State	410	00 03 04
Urbanized Area—State—County	430	00
Urbanized Area—State—County—County Subdivision	440	00
Urbanized Area—State—County—County Subdivision—Place	450	00

STF 3D

<u>Summary level area</u>	<u>Summary level code</u>	<u>Geographic component code</u>
State	040	00
State—Congressional District (103rd)	501	00 40 42-44
State—Congressional District (103rd)—County	510	00
State [12 States only—CT, ME, MA, MI, MN, NH, NJ, NY, PA, RI, VT, WI]—Congressional District (103rd)—County—County Subdivision [10,000 or more persons]	520	00
State—Congressional District (103rd)—Place [10,000 or more persons]	530	00
State—Congressional District (103rd)—Consolidated City [10,000 or more persons]	540	00
State—Congressional District (103rd)—American Indian/Alaska Native Area [reservation including trust lands, if any]	550	00
State—Congressional District (103rd)—American Indian Reservations with Trust Lands: reservations only	551	00
State—Congressional District (103rd)—American Indian Reservations with Trust Lands: trust lands only]	552	00
State—Congressional District (103rd)—Alaska Native Regional Corporation	560	00



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Bureau of the Census
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**CENSUS OF POPULATION AND HOUSING, 1990:
SUMMARY TAPE FILE 3**

USER NOTE 10

Please insert the attached Table C. Standard Error
Design Factors for each State, the District of Columbia,

and the United States in appendix C of your technical
documentation following page C-10.

July 1992



UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, DC 20233-0001

CENSUS OF POPULATION AND HOUSING, 1990: SUMMARY TAPE FILE 3 DATA

TECHNICAL NOTE 3

(Selected States)

Names and/or various codes for certain geographic entities are incorrect in specific 1990 census files and publications. Bold type identifies the correct entry.

Arkansas (05)

Springdale city is located in two counties. The whole city serves as the central place of an urbanized area; however, only that part of the city in Washington County (143) is the central city of the metropolitan area. The place description of the whole place should be **5** and that part of the city in Benton County (007) should be **2** (they are shown incorrectly as 3--which is the correct place description for that part of the city in Washington County). Also, as the central city of a metropolitan area, the name should be shown as **Springdale city (pt.)** and the part flag should be **1** (the name and part flag are shown incorrectly as "Springdale city" and "0"). The name is shown incorrectly in publications and data files that contain metropolitan area records. The codes are shown incorrectly in the data files.

New York (36)

In the records for **Wynantskill CDP** (place: census code 4067, FIPS 55 code **83349**), the name and FIPS 55 code are shown incorrectly as Wyantskill CDP and 83300. This correction applies to all data files, publications, and TIGER extract files.

Ohio (39)

Only that part of Alliance city (place: census code 0055, FIPS 55 code 01420) in Stark County (151) is the central city of a metropolitan area; the name of the central city should be shown as **Alliance city (pt.)** and the part flag should be **1** (the name and part flag are shown incorrectly as "Alliance city" and "0"). The name is shown incorrectly in publications and data files that contain metropolitan area records. The part flag is shown incorrectly in the data files that contain metropolitan area records.

April 1992



CENSUS OF POPULATION AND HOUSING, 1990
SUMMARY TAPE FILE 3 DATA

TECHNICAL NOTE 4

(Vermont)

Table (Matrix) P44 Residence in 1985—MSA/PMSA Level. The values for selected cells are incorrect for certain

shown below. Data were not available to specify corrections for areas below the place level.

Summary level	FIPS code	Census code	Area name	Different MSA/PMSA in 1985:			
				Central city (cell 4)		Remainder of MSA/PMSA (cell 5)	
				As shown	Corrected	As shown	Corrected
040	50	50	Vermont	6,223	6,300	10,201	10,124
050	007	007	Chittenden County	6,076	6,153	9,940	9,863
060	10675	015	Burlington city	2,510	2,535	4,528	4,503
070	10675	0460	Burlington city	2,510	2,535	4,528	4,503
060	24175	030	Essex town	622	627	1,099	1,094
070	24400	0840	Essex Junction village	293	298	523	518
070		9999	Remainder of Essex town	329	329	576	576
060	66175	070	South Burlington city	580	627	872	825
070	66175	2420	South Burlington city	580	627	872	825

Summary level	FIPS code	Census code	Area name	Not living in an MSA/PMSA in 1990: In an MSA/PMSA in 1985:			
				Central city (cell 9)		Remainder of MSA/PMSA (cell 10)	
				As shown	Corrected	As shown	Corrected
040	50	50	Vermont	17,107	17,203	31,139	31,043
050	001	001	Addison County	1,523	1,537	3,539	3,525
060	44350	055	Middlebury town	766	780	1,528	1,514
070	44275	1528	Middlebury CDP	699	713	1,475	1,461
070		9999	Remainder of Middlebury town	67	67	53	53
050	007	007	Chittenden County	484	491	1,324	1,317
060	80350	080	Westford town	111	118	389	382
070		9999	Remainder of Westford town	111	118	389	382
050	011	011	Franklin County	1,378	1,388	2,663	2,653
060	26500	035	Fletcher town	49	54	119	114
070		9999	Remainder of Fletcher town	49	54	119	114
060	61675	065	St Albans city	443	448	767	762
070	61675	2240	St Albans city	443	448	767	762
050	017	017	Orange County	827	851	1,720	1,696
060	70675	050	Strafford town	38	40	43	41
070		9999	Remainder of Strafford town	38	40	43	41
060	72400	055	Thetford town	34	51	160	143
070		9999	Remainder of Thetford town	34	51	160	143
060	73675	065	Tunbridge town	27	32	141	136
070		9999	Remainder of Tunbridge town	27	32	141	136

Summary level	FIPS code	Census code	Area name	Not living in an MSA/PMSA in 1990: In an MSA/PMSA in 1985:			
				Central city (cell 9)		Remainder of MSA/PMSA (cell 10)	
				As shown	Corrected	As shown	Corrected
Vermont-continued							
050	021	021	Rutland County	1,978	1,982	4,114	4,110
060	14350	020	Chittenden town	34	38	61	57
070		9999	Remainder of Chittenden town	34	38	61	57
Washington County				1,980	1,998	3,461	3,443
050	023	023	Northfield town	296	301	898	893
060	50275	065	Northfield village	77	77	156	156
070	50200	1770	Remainder of Northfield town	219	224	742	737
070		9999	Roxbury town	19	23	53	49
060	60625	075	Remainder of Roxbury town	19	23	53	49
070		9999	Waterbury town	220	229	308	299
060	76975	090	Waterbury village	96	99	99	96
070	76900	2800	Remainder of Waterbury town	124	130	209	203
070		9999					
Windham County				1,907	1,912	2,701	2,696
050	025	025	Guilford town	113	118	78	73
060	30925	035	Remainder of Guilford town	113	118	78	73
070		9999					
Windsor County				2,238	2,252	3,042	3,028
050	027	027	Cavendish town	27	30	88	85
060	12250	030	Remainder of Cavendish town	27	30	88	85
070		9999	Hartford town	611	618	573	566
060	32275	040	White River Junction CDP	99	99	106	106
070	83575	3030	Wilder CDP	75	75	79	79
070	84025	3060	Remainder of Hartford town	437	444	388	381
070		9999	Ludlow town	78	81	185	182
060	41275	050	Ludlow village	54	54	54	54
070	41200	1400	Remainder of Ludlow town	24	27	131	128
070		9999	Rochester town	40	41	63	62
060	60100	075	Remainder of Rochester town	40	41	63	62
070		9999					

Table (Matrix) P47, Place of Work—MSA/PMSA Level. The values for selected cells are incorrect for certain geographic areas because of an error in processing. The geographic code information and the corrected counts are shown below. Data were not available to specify corrections for areas below the place level.

Summary level	FIPS code	Census code	Area name	Not living in an MSA/PMSA: Worked in an MSA/PMSA:			
				Central city (cell 6)		Remainder of MSA/PMSA (cell 7)	
				As shown	Corrected	As shown	Corrected
040	50	50	Vermont	5,503	5,506	11,618	11,615
Washington County				706	709	993	990
050	023		Moretown town	33	36	35	32
060	46225	060	Remainder of Moretown town	33	36	35	32
070		9999					



**CENSUS OF POPULATION AND HOUSING, 1990:
SUMMARY TAPE FILE 3 DATA**

TECHNICAL NOTE 5

(Montana)

Table (Matrix) P44, Residence in 1985—MSA/PMSA Level. The values for selected cells are incorrect for certain geographic areas because of an error in processing. The geographic code information and the corrected counts are shown below. Data were not available to specify corrections for areas below the place level.

Summary level	FIPS code	Census code	Area name	Living in an MSA/PMSA in 1990: Different MSA/PMSA in 1985:			
				Central city (cell 4)		Remainder of MSA/PMSA (cell 5)	
				As shown	Corrected	As shown	Corrected
040	30	30	Montana	8,311	8,357	7,052	7,006
050	013	013	Cascade County	4,146	4,154	3,834	3,826
070	32800	0295	Great Falls city	2,451	2,459	2,167	2,159
050	111	111	Yellowstone County	4,165	4,203	3,218	3,180
070	06550	0050	Billings city	3,354	3,366	2,474	2,462

Summary level	FIPS code	Census code	Area name	Not living in an MSA/PMSA in 1990: In an MSA/PMSA in 1985:			
				Central city (cell 9)		Remainder of MSA/PMSA (cell 10)	
				As shown	Corrected	As shown	Corrected
040	30	30	Montana	28,629	28,712	22,937	22,854
050	005	005	Blaine County	161	164	117	114
070	35275	0323	Hays CDP	12	15	10	7
050	009	009	Carbon County	496	498	349	347
070	61525	0540	Red Lodge city	141	143	128	126
050	015	015	Chouteau County	199	201	105	103
070	30400	0275	Geraldine town	23	25	10	8
050	029	029	Flathead County	2,659	2,666	2,573	2,566
050	031	031	Gallatin County	4,050	4,057	3,487	3,480
070	08950	0080	Bozeman city	2,339	2,346	1,817	1,810
050	047	047	Lake County	663	673	848	838
070	64150	0550	Ronan city	70	75	32	27
050	053	053	Lincoln County	386	398	641	629
070	43450	0400	Libby city	35	47	104	92
050	063	063	Missoula County	5,391	5,423	3,660	3,628
070	50200	0455	Missoula city	3,757	3,781	2,239	2,215
050	093	093	Silver Bow County	1,335	1,343	860	852
070	11397	0110	Butte-Silver Bow (remainder)	1,327	1,335	856	848



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**CENSUS OF POPULATION AND HOUSING, 1990:
SUMMARY TAPE FILE 3 DATA**

TECHNICAL NOTE 6

(Selected States)

Names and/or various codes for certain geographic entities are incorrect in specific 1990 census files and publications. Bold type identifies the correct entry.

Colorado (08)

In the records for **Bonanza town** (place: census code 0100, FIPS 55 code 07571), the name and FIPS 55 code are shown incorrectly as Bonanza City town and 07575 respectively.

Illinois (17)

In the records for **Greenview No. 6 precinct** (county subdivision (Menard County (129): census code 020, FIPS 55 code 91566), the name is shown incorrectly as Greenview No. 16 precinct.

Kansas (20)

In the records for **Jefferson township** (county subdivision--Jefferson County (087): census code 015, FIPS 55 code 35250), the name is shown incorrectly as Jefferson No. 10 township.

Michigan (26)

In the records for **Coloma Charter township** (county subdivision--Berrien County (021): census code 060, FIPS 55 code 17345), the name and FIPS 55 code are shown incorrectly as Coloma township and 17340 respectively.

In the records for **Delta Charter township** (county subdivision--Eaton County (045): census code 035, FIPS 55 code 21527), the name and FIPS 55 code are shown incorrectly as Delta township and 21520 respectively.

In the records for **Redford township** (county subdivision--Wayne County (163): census code 145, FIPS 55 code 67625), the FIPS 55 code is shown incorrectly as 67660.

In the records for **Windsor Charter township** (county subdivision--Eaton County (045): census code 100, FIPS 55 code 87845), the name and FIPS 55 code are shown incorrectly as Windsor township and 87840 respectively.

Missouri (29)

In the records for **Heath Creek township** (county subdivision--Pettie County (159): census code 040, FIPS 55 code 31362), the name and FIPS 55 code are shown incorrectly as Heaths Creek township and 31366 respectively.

Nebraska (31)

In the records for **East Bloomington township** (county subdivision--Franklin County (061): census code 017, FIPS 55 code 14145), the name, census code, and FIPS 55 code are shown incorrectly as Bloomington township, 015, and 05525 respectively.

New York (36)

In the records for **Cattaraugus Reservation** (county subdivision--Cattaraugus County (009): census code 017), the FIPS 55 code and class code should be shown as 13037 and Z1 respectively (they are shown incorrectly as 13035 and D2).

In the records for **Cattaraugus Reservation** (county subdivision--Chautauqua County (013): census code 017), the FIPS 55 code and class code should be shown as 13039 and Z1 respectively (they are shown incorrectly as 13035 and D2).

In the records for **Cattaraugus Reservation** (county subdivision--Erie County (029): census code 033), the FIPS 55 code and class code should be shown as 13041 and Z1 respectively (they are shown incorrectly as 13035 and D2).

In the records for **Oil Springs Reservation** (county subdivision--Allegany County (003): census code 112), the FIPS 55 code and class code should be shown as 54525 and Z1 respectively (they are shown incorrectly as 54532 and D2).

In the records for **Oil Springs Reservation** (county subdivision--Cattaraugus County (009): census code 117), the FIPS 55 code and class code should be shown as 54526 and Z1 respectively (they are shown incorrectly as 54532 and D2).

In the records for **Tonawanda Reservation** (county subdivision--Erie County (029): census code 127), the FIPS 55 code and class code should be shown as 75013 and Z1 respectively (they are shown incorrectly as 75011 and D2).

In the records for **Tonawanda Reservation** (county subdivision--Genesee County (037): census code 075), the FIPS 55 code and class code should be shown as 75015 and Z1 respectively (they are shown incorrectly as 75011 and D2).

In the records for **Tonawanda Reservation** (county subdivision--Niagara County (063): census code 066), the FIPS 55 code and class code should be shown as 75017 and Z1 respectively (they are shown incorrectly as 75011 and D2).

North Carolina (37)

In the records for **Westbrook township** (county subdivision--Sampson County (163): census code 095, FIPS 55 code 93939), the name and FIPS 55 code are shown incorrectly as Westbrooks township and 93940 respectively.

Virginia (51)

In the records for **Horsepasture district** (county subdivision--Henry County (089): census code 005, FIPS 55 code 91424), the name is shown incorrectly as Horse Pasture district.

July 1992



UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, DC 20233-0001

**CENSUS OF POPULATION AND HOUSING, 1990:
SUMMARY TAPE FILE 3 DATA**

TECHNICAL NOTE 7

(New York)

The water area tabulated for Cayuga County (FIPS code: 011), for New York State (FIPS code: 36), and for geographic entities of which the State is a part, is underreported by 219.477 square kilometers, or 84.740 square miles. The corrected water area figures are:

<u>Entity</u>	<u>Sq. Km.</u>	<u>Sq. Mi.</u>
Cayuga County	441.329	170.397
New York (State)	18,989.996	7,332.045
Middle Atlantic Division	25,572.974	9,873.735
Northeast Region	49,362.834	19,059.009
United States	650,258.770	251,065.162

The corrected figures for New York are based on the water area reported in STF 1B and subsequent data products rather than that in the P.L. 94-171 Data File and STF 1A. The changes do not apply below the county level because the affected portion of Lake Ontario was not assigned to any minor civil division, census tract, and so forth. This information supplements Technical Note 16 to the 1990 Census TIGER/Line file.

July 1992



UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, DC 20233-0001

March, 1993

**To: Census of Population and Housing, 1990: Summary Tape File 3
Data Users**

**From: Data User Services Division
Bureau of the Census**

Attached are User Notes 11-15 for the Summary Tape File 3 data. Please file these notes in the technical documentation as directed. User Notes 1-10 were released in earlier distributions.

These notes are sent automatically without charge to Census Bureau tape purchasers. They are available to others on a subscription basis at a cost of \$40 annually. To subscribe, contact Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233.

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**CENSUS OF POPULATION AND HOUSING, 1990:
SUMMARY TAPE FILE 3C**

USER NOTE 11

The one-cell matrix, table P51, is presented as an entirely blank field for various geographic components of summary level 010, United States. For these geographic components listed below, this data field

requires 10 characters, rather than the 9 characters which were allowed for this field. The actual aggregate travel times for these geographic components are shown below.

Geographic Component Description	Aggregate Travel Time
00 Not a geographic component	2498770060
01 Urban	1901279704
02 Urban--in urbanized area	1695622482
20 In metropolitan statistical area/ consolidated metropolitan statistical area	2067440874
21 In metropolitan statistical area/ consolidated metropolitan statistical area--urban	1770915739
24 In metropolitan statistical area/ consolidated metropolitan statistical area--not in metropolitan statistical area/primary metropolitan statistical area central city	1296646378
25 In metropolitan statistical area/ consolidated metropolitan statistical area--not in metropolitan statistical area/primary metropolitan statistical area central city--urban	1001037364

October 1992



UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, DC 20233-0001

**CENSUS OF POPULATION AND HOUSING, 1990:
SUMMARY TAPE FILE 3A**

USER NOTE 12

The data in the third cell of table (matrix) P154, Imputation of Place of Work was blanked in error. The data should contain a count of workers 16 years and over who had no geography allocated in the determination of place of work. The number can be

reconstructed by adding the first two cells of table (matrix) P155 and subtracting that sum from the total of the first two cells of table (matrix) P154.

The data cell is correct for STF 3B, STF 3C, and STF 3D.

November 1992

Table C. Standard Error Design Factors—United States

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.2	0.9	0.5	0.4
Household type and relationship.....	1.3	1.1	0.6	0.5
Children ever born.....	2.6	2.3	1.5	1.2
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	2.1	1.7	1.0	0.8
Place of birth.....	2.2	2.1	1.2	1.1
Citizenship.....	1.8	1.5	0.9	0.7
Residence in 1985.....	2.1	1.9	1.1	0.9
Year of entry.....	1.5	1.2	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.4	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.8	1.5	0.9	0.7
Type of residence (urban/rural).....	2.2	2.2	1.4	1.1
Household type.....	1.3	1.1	0.6	0.5
Family type.....	1.2	1.0	0.6	0.5
Group quarters.....	1.0	0.9	0.8	0.8
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.5	1.2	0.7	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.5	1.2	0.7	0.6
Means of transportation to work.....	1.5	1.2	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.2	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.5	1.2	0.7	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	1.0	0.6	0.5
Condominium status.....	1.2	1.0	0.5	0.5
Units in structure.....	1.2	1.0	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.1	0.5	0.5
Kitchen facilities.....	1.3	1.1	0.6	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.6	0.5
Sewage disposal.....	1.2	1.0	0.5	0.4
House heating fuel.....	1.3	1.1	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and (monthly mortgage costs).....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Alabama

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.5	0.4
Household type and relationship.....	1.3	1.1	0.6	0.5
Children ever born.....	2.7	2.6	1.5	1.3
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	2.4	2.1	1.2	1.0
Place of birth.....	2.6	2.3	1.4	1.0
Citizenship.....	1.8	1.6	0.9	0.7
Residence in 1985.....	2.1	1.9	1.1	0.9
Year of entry.....	1.3	1.1	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.5	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.5	0.8	0.7
Type of residence (urban/rural).....	2.1	2.1	1.2	0.9
Household type.....	1.3	1.1	0.6	0.5
Family type.....	1.2	1.1	0.6	0.5
Group quarters.....	1.0	0.9	0.8	0.7
Subfamily type and presence of children.....	1.2	1.0	0.6	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.2	0.7	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.5	1.2	0.7	0.6
Means of transportation to work.....	1.4	1.3	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.4	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.7	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.7	1.5	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.4	1.3	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.2	1.1	0.6	0.5
Condominium status.....	1.2	1.1	0.5	0.5
Units in structure.....	1.2	1.1	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.1	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.1	0.6	0.5
Kitchen facilities.....	1.3	1.3	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.6	0.5
Sewage disposal.....	1.2	1.1	0.5	0.5
House heating fuel.....	1.2	1.1	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.1	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Alaska

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.6	0.5
Household type and relationship.....	1.3	1.1	0.7	0.6
Children ever born.....	2.4	2.0	1.4	1.4
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	2.0	1.8	1.2	1.2
Place of birth.....	1.6	1.5	1.0	0.9
Citizenship.....	1.7	1.5	1.0	0.8
Residence in 1989.....	2.0	1.8	1.1	1.0
Year of entry.....	1.4	1.1	0.7	0.5
Language spoken at home and ability to speak English.....	1.6	1.4	0.8	0.6
Educational attainment.....	1.3	1.1	0.7	0.5
School enrollment.....	1.7	1.4	0.9	0.7
Type of residence (urban/ rural).....	2.4	2.4	1.2	1.2
Household type.....	1.3	1.1	0.7	0.6
Family type.....	1.2	1.0	0.6	0.5
Group quarters.....	1.0	1.0	0.8	0.8
Subfamily type and presence of children.....	1.1	1.0	0.5	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.3	1.2	0.7	0.5
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.4	1.2	0.7	0.5
Place of work.....	1.5	1.2	0.8	0.5
Means of transportation to work.....	1.4	1.2	0.7	0.5
Travel time to work.....	1.3	1.1	0.7	0.5
Private vehicle occupancy.....	1.4	1.2	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.7	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.3	1.1	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/ rural).....	1.0	0.9	0.5	0.5
Condominium status.....	1.2	1.0	0.5	0.5
Units in structure.....	1.1	1.0	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.0	0.5	0.5
Kitchen facilities.....	1.3	1.0	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.5	0.5
Sewage disposal.....	1.1	1.0	0.5	0.4
House heating fuel.....	1.3	1.1	0.6	0.5
Telephone in housing unit.....	1.3	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.1	1.0	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.1	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.1	1.0	0.6	0.5

Table C. Standard Error Design Factors—Arkansas

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.5	0.4
Household type and relationship.....	1.3	1.1	0.6	0.5
Children ever born.....	2.8	2.6	1.7	1.4
Work disability and mobility limitation status.....	1.2	1.0	0.5	0.5
Ancestry.....	2.2	1.9	1.1	0.9
Place of birth.....	2.3	1.9	1.2	0.9
Citizenship.....	1.8	1.6	0.9	0.7
Residence in 1985.....	2.1	1.9	1.0	0.8
Year of entry.....	1.3	1.1	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.5	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.6	0.8	0.7
Type of residence (urban/ rural).....	2.7	2.7	1.2	0.7
Household type.....	1.3	1.1	0.6	0.5
Family type.....	1.2	1.1	0.5	0.5
Group quarters.....	1.1	1.0	0.8	0.8
Subfamily type and presence of children.....	1.2	1.0	0.6	0.5
Employment status.....	1.2	1.0	0.5	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.5	0.5
Class of worker.....	1.4	1.2	0.6	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.5	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.5	1.3	0.7	0.6
Means of transportation to work.....	1.4	1.3	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.4	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Family income in 1989.....	1.2	1.0	0.5	0.5
Poverty status in 1989 (persons).....	1.7	1.4	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.4	1.2	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/ rural).....	1.1	1.1	0.5	0.5
Condominium status.....	1.2	1.1	0.5	0.5
Units in structure.....	1.2	1.1	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.0	0.5	0.5
Kitchen facilities.....	1.2	1.2	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.6	0.5
Sewage disposal.....	1.2	1.1	0.5	0.4
House heating fuel.....	1.2	1.0	0.5	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.5	0.5
Year householder moved into structure.....	1.2	1.0	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.5	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Arizona

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.2	0.9	0.6	0.5
Household type and relationship.....	1.4	1.1	0.7	0.6
Children ever born.....	2.7	2.3	1.6	1.4
Work disability and mobility limitation status.....	1.3	1.1	0.6	0.5
Ancestry.....	2.1	1.8	1.1	1.0
Place of birth.....	1.8	1.5	1.0	0.8
Citizenship.....	1.9	1.5	1.0	0.8
Residence in 1985.....	2.1	1.8	1.1	0.9
Year of entry.....	1.5	1.2	0.6	0.6
Language spoken at home and ability to speak English.....	1.7	1.4	0.8	0.7
Educational attainment.....	1.4	1.1	0.7	0.5
School enrollment.....	1.9	1.5	1.0	0.8
Type of residence (urban/rural).....	2.4	2.1	0.9	0.7
Household type.....	1.4	1.1	0.7	0.6
Family type.....	1.3	1.0	0.6	0.5
Group quarters.....	1.1	1.0	1.0	1.0
Subfamily type and presence of children.....	1.2	1.0	0.6	0.5
Employment status.....	1.3	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.3	1.0	0.6	0.5
Class of worker.....	1.5	1.2	0.7	0.5
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.4	1.1	0.7	0.5
Place of work.....	1.6	1.2	0.8	0.5
Means of transportation to work.....	1.5	1.2	0.7	0.5
Travel time to work.....	1.4	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.2	0.8	0.5
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.7	0.6
Household income in 1989.....	1.3	1.1	0.6	0.5
Family income in 1989.....	1.3	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.7	1.4	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.5	1.2	0.8	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	0.9	0.6	0.4
Condominium status.....	1.2	1.1	0.6	0.5
Units in structure.....	1.2	1.0	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.3	1.0	0.6	0.5
Household income in 1989.....	1.3	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.0	0.6	0.5
Kitchen facilities.....	1.3	1.1	0.5	0.4
Source of water, plumbing facilities.....	1.4	1.2	0.6	0.6
Sewage disposal.....	1.2	1.0	0.6	0.6
House heating fuel.....	1.3	1.1	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.6
Year householder moved into structure.....	1.2	1.1	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.6	0.5

Table C. Standard Error Design Factors—California

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.2	1.0	0.6	0.4
Household type and relationship.....	1.4	1.1	0.7	0.5
Children ever born.....	2.6	2.3	1.4	1.1
Work disability and mobility limitation status.....	1.3	1.1	0.6	0.5
Ancestry.....	2.3	1.9	1.1	0.7
Place of birth.....	1.9	1.6	1.0	0.7
Citizenship.....	1.8	1.5	1.0	0.7
Residence in 1985.....	2.1	1.8	1.1	0.8
Year of entry.....	1.7	1.4	0.7	0.6
Language spoken at home and ability to speak English.....	1.6	1.4	0.8	0.6
Educational attainment.....	1.4	1.2	0.7	0.5
School enrollment.....	1.8	1.5	1.0	0.7
Type of residence (urban/ rural).....	2.5	2.2	1.7	0.8
Household type.....	1.4	1.1	0.7	0.5
Family type.....	1.2	1.1	0.6	0.5
Group quarters.....	1.2	1.2	1.2	0.8
Subfamily type and presence of children.....	1.3	1.1	0.6	0.4
Employment status.....	1.3	1.1	0.6	0.5
Industry.....	1.3	1.2	0.7	0.5
Occupation.....	1.3	1.1	0.6	0.5
Class of worker.....	1.5	1.3	0.7	0.6
Hours per week and weeks worked in 1989.....	1.3	1.1	0.6	0.5
Number of workers in family.....	1.4	1.1	0.6	0.5
Place of work.....	1.6	1.3	0.8	0.6
Means of transportation to work.....	1.5	1.3	0.7	0.6
Travel time to work.....	1.4	1.2	0.7	0.5
Private vehicle occupancy.....	1.5	1.3	0.7	0.5
Time leaving home to go to work.....	1.3	1.1	0.7	0.5
Type of income in 1989.....	1.5	1.2	0.7	0.5
Household income in 1989.....	1.2	1.1	0.6	0.5
Family income in 1989.....	1.2	1.1	0.6	0.5
Poverty status in 1989 (persons).....	1.7	1.4	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.6	1.3	0.7	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/ rural).....	1.1	1.0	0.7	0.5
Condominium status.....	1.2	1.1	0.6	0.5
Units in structure.....	1.2	1.1	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.1	0.6	0.5
Gross rent.....	1.2	1.1	0.6	0.5
Household income in 1989.....	1.2	1.1	0.6	0.5
Year structure built.....	1.2	1.1	0.6	0.5
Rooms, bedrooms.....	1.2	1.1	0.6	0.5
Kitchen facilities.....	1.4	1.1	0.6	0.4
Source of water, plumbing facilities.....	1.4	1.2	0.6	0.6
Sewage disposal.....	1.2	1.1	0.6	0.5
House heating fuel.....	1.4	1.2	0.6	0.5
Telephone in housing unit.....	1.3	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.1	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.6	0.5

Table C. Standard Error Design Factors—Colorado
 [Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.6	0.4
Household type and relationship.....	1.3	1.1	0.7	0.5
Children ever born.....	2.5	2.2	1.4	1.4
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	1.9	1.6	1.1	0.8
Place of birth.....	1.8	1.6	1.0	0.8
Citizenship.....	1.8	1.4	1.0	0.7
Residence in 1985.....	1.9	1.7	1.1	0.8
Year of entry.....	1.4	1.2	0.6	0.5
Language spoken at home and ability to speak English.....	1.6	1.4	0.9	0.6
Educational attainment.....	1.3	1.1	0.7	0.5
School enrollment.....	1.7	1.4	1.0	0.7
Type of residence (urban/rural).....	2.1	2.1	1.8	1.2
Household type.....	1.3	1.1	0.7	0.5
Family type.....	1.2	1.0	0.6	0.5
Group quarters.....	1.0	0.9	0.9	0.7
Subfamily type and presence of children.....	1.2	1.0	0.6	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.7	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.2	0.8	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.4	1.2	0.7	0.6
Place of work.....	1.4	1.2	0.8	0.6
Means of transportation to work.....	1.4	1.2	0.8	0.6
Travel time to work.....	1.3	1.1	0.7	0.5
Private vehicle occupancy.....	1.4	1.2	0.8	0.6
Time leaving home to go to work.....	1.3	1.1	0.7	0.5
Type of income in 1989.....	1.4	1.2	0.7	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.3	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.4	1.1	0.8	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	0.9	0.6	0.5
Condominium status.....	1.2	1.0	0.6	0.5
Units in structure.....	1.1	1.0	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.1	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.0	0.6	0.5
Kitchen facilities.....	1.2	1.2	0.9	0.4
Source of water, plumbing facilities.....	1.4	1.1	0.6	0.5
Sewage disposal.....	1.1	0.9	0.5	0.4
House heating fuel.....	1.4	1.1	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.7	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.1	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.6	0.5

Table C. Standard Error Design Factors—Connecticut
 [Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.2	0.9	0.5	0.5
Household type and relationship.....	1.3	1.0	0.5	0.5
Children ever born.....	2.5	2.1	1.2	1.0
Work disability and mobility limitation status.....	1.2	1.1	0.5	0.5
Ancestry.....	1.9	1.6	0.8	0.7
Place of birth.....	2.0	1.7	0.9	0.8
Citizenship.....	1.8	1.5	0.9	0.7
Residence in 1985.....	2.1	1.9	1.0	0.9
Year of entry.....	1.5	1.2	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.5	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.8	1.4	0.8	0.7
Type of residence (urban/rural).....	2.1	1.8	1.0	0.8
Household type.....	1.3	1.0	0.5	0.5
Family type.....	1.2	1.1	0.5	0.5
Group quarters.....	1.5	1.5	1.5	1.5
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.3	1.0	0.5	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.3	1.1	0.5	0.5
Class of worker.....	1.5	1.3	0.6	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.5	0.5
Number of workers in family.....	1.4	1.1	0.6	0.6
Place of work.....	1.5	1.3	0.6	0.6
Means of transportation to work.....	1.5	1.3	0.7	0.6
Travel time to work.....	1.4	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.1	0.5	0.5
Family income in 1989.....	1.2	1.1	0.5	0.5
Poverty status in 1989 (persons).....	1.6	1.3	0.7	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.5	1.2	0.6	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	0.9	0.6	0.5
Condominium status.....	1.2	1.1	0.5	0.5
Units in structure.....	1.2	1.1	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.3	1.1	0.5	0.5
Household income in 1989.....	1.2	1.1	0.5	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.1	0.5	0.5
Kitchen facilities.....	1.2	1.1	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.6	0.5
Sewage disposal.....	1.2	1.0	0.5	0.5
House heating fuel.....	1.3	1.1	0.6	0.5
Telephone in housing unit.....	1.3	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.1	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.5	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Delaware

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.2	0.9	0.5	0.4
Household type and relationship.....	1.3	1.0	0.6	0.5
Children ever born.....	2.5	2.2	1.4	1.1
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	2.0	1.7	1.0	0.8
Place of birth.....	1.9	1.6	1.0	0.7
Citizenship.....	1.8	1.5	1.0	0.7
Residence in 1985.....	2.0	1.8	1.0	0.8
Year of entry.....	1.4	1.1	0.7	0.5
Language spoken at home and ability to speak English.....	1.7	1.5	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.4	1.0	0.7
Type of residence (urban/rural).....	2.4	1.9	0.9	0.7
Household type.....	1.3	1.0	0.6	0.5
Family type.....	1.2	1.0	0.5	0.5
Group quarters.....	1.0	0.8	0.8	0.7
Subfamily type and presence of children.....	1.2	1.0	0.6	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.5	1.2	0.8	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.1	0.6	0.6
Place of work.....	1.5	1.3	0.8	0.6
Means of transportation to work.....	1.5	1.3	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household Income In 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.3	0.7	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.4	1.2	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	0.9	0.6	0.5
Condominium status.....	1.1	1.0	0.5	0.5
Units in structure.....	1.1	1.0	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.1	1.0	0.5	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.0	0.5	0.5
Kitchen facilities.....	1.1	1.0	0.6	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.5	0.5
Sewage disposal.....	1.1	0.9	0.5	0.5
House heating fuel.....	1.2	1.0	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.2	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.1	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.1	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.1	1.0	0.5	0.5

Table C. Standard Error Design Factors—District of Columbia

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.4	1.1	0.7	0.6
Household type and relationship.....	1.4	1.2	0.7	0.6
Children ever born.....	2.7	2.1	1.3	1.1
Work disability and mobility limitation status.....	1.3	1.1	0.6	0.5
Ancestry.....	2.4	1.7	1.2	1.0
Place of birth.....	1.9	1.4	0.9	0.8
Citizenship.....	2.1	1.7	1.1	0.9
Residence in 1985.....	2.1	1.8	1.0	0.9
Year of entry.....	1.5	1.3	0.7	0.6
Language spoken at home and ability to speak English.....	1.9	1.6	0.9	0.8
Educational attainment.....	1.4	1.2	0.7	0.6
School enrollment.....	2.0	1.5	1.0	0.8
Type of residence (urban/rural).....	1.2	1.0	0.6	0.5
Household type.....	1.4	1.2	0.7	0.6
Family type.....	1.2	1.1	0.6	0.5
Group quarters.....	1.3	0.9	0.7	0.5
Subfamily type and presence of children.....	1.3	1.2	0.7	0.6
Employment status.....	1.4	1.2	0.7	0.6
Industry.....	1.3	1.2	0.7	0.6
Occupation.....	1.3	1.1	0.6	0.5
Class of worker.....	1.5	1.3	0.7	0.6
Hours per week and weeks worked in 1989.....	1.3	1.1	0.7	0.5
Number of workers in family.....	1.4	1.3	0.7	0.6
Place of work.....	1.7	1.4	0.8	0.7
Means of transportation to work.....	1.4	1.2	0.7	0.6
Travel time to work.....	1.4	1.1	0.7	0.6
Private vehicle occupancy.....	1.4	1.3	0.7	0.6
Time leaving home to go to work.....	1.4	1.2	0.7	0.6
Type of income in 1989.....	1.5	1.2	0.7	0.6
Household income in 1989.....	1.2	1.1	0.6	0.5
Family income in 1989.....	1.2	1.1	0.6	0.5
Poverty status in 1989 (persons).....	1.7	1.3	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.8	1.4	0.9	0.8
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.2	1.0	0.6	0.5
Condominium status.....	1.3	1.1	0.6	0.5
Units in structure.....	1.2	1.0	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.1	0.6	0.5
Gross rent.....	1.3	1.1	0.6	0.5
Household income in 1989.....	1.2	1.1	0.6	0.5
Year structure built.....	1.2	1.1	0.6	0.5
Rooms, bedrooms.....	1.3	1.1	0.6	0.5
Kitchen facilities.....	1.2	1.1	0.6	0.5
Source of water, plumbing facilities.....	1.4	1.1	0.7	0.6
Sewage disposal.....	1.2	1.0	0.6	0.5
House heating fuel.....	1.3	1.2	0.7	0.6
Telephone in housing unit.....	1.3	1.0	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.3	1.1	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.1	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.7	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.1	0.6	0.5

Table C. Standard Error Design Factors—Florida

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.2	1.0	0.5	0.5
Household type and relationship.....	1.3	1.1	0.6	0.5
Children ever born.....	2.8	2.4	1.5	1.5
Work disability and mobility limitation status.....	1.3	1.1	0.6	0.5
Ancestry.....	2.1	1.8	1.0	0.8
Place of birth.....	1.8	1.5	0.9	0.8
Citizenship.....	1.9	1.6	1.0	0.8
Residence in 1985.....	2.0	1.8	1.0	0.8
Year of entry.....	1.5	1.3	0.6	0.6
Language spoken at home and ability to speak English.....	1.7	1.4	0.8	0.7
Educational attainment.....	1.4	1.1	0.6	0.5
School enrollment.....	1.9	1.6	1.0	0.7
Type of residence (urban/ rural).....	2.2	2.2	1.0	0.9
Household type.....	1.3	1.1	0.6	0.5
Family type.....	1.3	1.1	0.6	0.5
Group quarters.....	1.2	1.2	1.2	1.2
Subfamily type and presence of children.....	1.3	1.0	0.6	0.5
Employment status.....	1.3	1.1	0.6	0.5
Industry.....	1.4	1.1	0.6	0.5
Occupation.....	1.3	1.1	0.6	0.5
Class of worker.....	1.6	1.3	0.7	0.6
Hours per week and weeks worked in 1989.....	1.3	1.0	0.6	0.5
Number of workers in family.....	1.4	1.2	0.6	0.6
Place of work.....	1.6	1.3	0.7	0.6
Means of transportation to work.....	1.5	1.3	0.7	0.6
Travel time to work.....	1.4	1.2	0.6	0.5
Private vehicle occupancy.....	1.5	1.3	0.7	0.6
Time leaving home to go to work.....	1.4	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.3	1.1	0.6	0.5
Family income in 1989.....	1.3	1.1	0.6	0.5
Poverty status in 1989 (persons).....	1.7	1.4	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.5	1.3	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/ rural).....	1.0	1.0	0.7	0.6
Condominium status.....	1.2	1.0	0.5	0.5
Units in structure.....	1.2	1.0	0.5	0.4
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.3	1.1	0.6	0.5
Household income in 1989.....	1.3	1.1	0.6	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.1	0.6	0.5
Kitchen facilities.....	1.3	1.0	0.6	0.5
Source of water, plumbing facilities.....	1.4	1.1	0.6	0.5
Sewage disposal.....	1.2	1.0	0.6	0.5
House heating fuel.....	1.4	1.2	0.6	0.5
Telephone in housing unit.....	1.3	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.3	1.1	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Georgia

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.2	1.0	0.5	0.5
Household type and relationship.....	1.3	1.1	0.6	0.5
Children ever born.....	2.6	2.4	1.5	1.4
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	2.3	2.1	1.1	1.0
Place of birth.....	2.3	2.2	1.3	1.1
Citizenship.....	1.9	1.6	0.9	0.8
Residence in 1985.....	2.1	1.9	1.0	0.9
Year of entry.....	1.5	1.1	0.6	0.6
Language spoken at home and ability to speak English.....	1.7	1.5	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.5	0.8	0.7
Type of residence (urban/ rural).....	2.2	2.2	1.3	1.3
Household type.....	1.3	1.1	0.6	0.5
Family type.....	1.2	1.1	0.5	0.5
Group quarters.....	1.0	0.8	0.8	0.7
Subfamily type and presence of children.....	1.3	1.0	0.5	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.5	1.3	0.7	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.4	1.2	0.6	0.6
Place of work.....	1.5	1.3	0.7	0.6
Means of transportation to work.....	1.5	1.3	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.6
Household income in 1989.....	1.2	1.0	0.5	0.5
Family income in 1989.....	1.2	1.0	0.5	0.5
Poverty status in 1989 (persons).....	1.7	1.4	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.5	1.3	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/ rural).....	1.1	1.0	0.6	0.5
Condominium status.....	1.2	1.1	0.5	0.5
Units in structure.....	1.2	1.1	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.2	1.1	0.5	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.1	0.6	0.5
Kitchen facilities.....	1.2	1.1	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.6	0.5
Sewage disposal.....	1.2	1.1	0.5	0.5
House heating fuel.....	1.2	1.1	0.5	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.5	0.5
Year householder moved into structure.....	1.2	1.1	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.5	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Hawaii
 [Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	1.0	0.6	0.5
Household type and relationship.....	1.3	1.1	0.6	0.5
Children ever born.....	2.7	2.5	1.3	1.1
Work disability and mobility limitation status.....	1.2	1.1	0.6	0.5
Ancestry.....	2.5	2.3	1.3	1.1
Place of birth.....	2.0	2.0	1.0	0.8
Citizenship.....	1.7	1.5	0.9	0.7
Residence in 1985.....	2.1	2.0	1.0	0.9
Year of entry.....	1.5	1.3	0.8	0.6
Language spoken at home and ability to speak English.....	1.6	1.4	0.8	0.7
Educational attainment.....	1.3	1.2	0.7	0.6
School enrollment.....	1.8	1.6	0.9	0.8
Type of residence (urban/ rural).....	2.4	2.4	1.2	1.0
Household type.....	1.3	1.1	0.6	0.5
Family type.....	1.2	1.1	0.6	0.5
Group quarters.....	0.9	0.9	0.5	0.4
Subfamily type and presence of children.....	1.2	1.1	0.6	0.5
Employment status.....	1.3	1.1	0.6	0.5
Industry.....	1.3	1.1	0.7	0.5
Occupation.....	1.2	1.1	0.6	0.5
Class of worker.....	1.5	1.3	0.8	0.6
Hours per week and weeks worked in 1989.....	1.2	1.1	0.6	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.6	1.4	0.8	0.7
Means of transportation to work.....	1.4	1.3	0.7	0.6
Travel time to work.....	1.3	1.2	0.7	0.6
Private vehicle occupancy.....	1.4	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.2	0.7	0.5
Type of income in 1989.....	1.4	1.2	0.7	0.6
Household income in 1989.....	1.2	1.1	0.6	0.5
Family income in 1989.....	1.2	1.1	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Force and veteran status.....	1.5	1.3	0.8	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/ rural).....	1.1	1.1	0.5	0.4
Condominium status.....	1.2	1.1	0.6	0.5
Units in structure.....	1.2	1.1	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.1	0.6	0.5
Gross rent.....	1.2	1.1	0.6	0.5
Household income in 1989.....	1.2	1.1	0.6	0.5
Year structure built.....	1.2	1.1	0.6	0.5
Rooms, bedrooms.....	1.2	1.1	0.6	0.5
Kitchen facilities.....	1.3	1.3	0.6	0.5
Source of water, plumbing facilities.....	1.3	1.2	0.6	0.5
Sewage disposal.....	1.2	1.1	0.6	0.5
House heating fuel.....	1.3	1.1	0.6	0.5
Telephone in housing unit.....	1.3	1.1	0.6	0.5
Vehicles available.....	1.2	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.1	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.1	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.1	0.6	0.5

Table C. Standard Error Design Factors—Idaho

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.0	0.9	0.6	0.4
Household type and relationship.....	1.3	1.1	0.7	0.5
Children ever born.....	2.5	2.3	1.6	1.2
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	1.9	1.7	1.1	0.8
Place of birth.....	1.8	1.6	1.1	0.8
Citizenship.....	1.6	1.4	1.0	0.7
Residence in 1985.....	2.1	1.8	1.2	0.9
Year of entry.....	1.4	1.1	0.7	0.5
Language spoken at home and ability to speak English.....	1.6	1.4	0.9	0.7
Educational attainment.....	1.2	1.1	0.7	0.5
School enrollment.....	1.6	1.4	1.0	0.7
Type of residence (urban/rural).....	2.9	2.4	2.0	1.4
Household type.....	1.3	1.1	0.7	0.5
Family type.....	1.2	1.0	0.6	0.5
Group quarters.....	0.9	0.9	0.8	0.8
Subfamily type and presence of children.....	1.2	0.9	0.5	0.5
Employment status.....	1.1	1.0	0.6	0.5
Industry.....	1.3	1.1	0.7	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.1	0.7	0.5
Hours per week and weeks worked in 1989.....	1.1	1.0	0.6	0.5
Number of workers in family.....	1.3	1.1	0.7	0.5
Place of work.....	1.4	1.2	0.8	0.6
Means of transportation to work.....	1.4	1.2	0.7	0.6
Travel time to work.....	1.3	1.1	0.7	0.5
Private vehicle occupancy.....	1.4	1.2	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.3	1.1	0.7	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.9	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.3	1.1	0.7	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	0.9	0.6	0.5
Condominium status.....	1.2	1.0	0.6	0.5
Units in structure.....	1.2	1.0	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.1	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.0	0.6	0.5
Kitchen facilities.....	1.1	1.1	0.6	0.5
Source of water, plumbing facilities.....	1.4	1.1	0.6	0.5
Sewage disposal.....	1.1	0.9	0.5	0.4
House heating fuel.....	1.2	1.0	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.7	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.1	1.0	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.1	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.1	1.0	0.6	0.5

Table C. Standard Error Design Factors—Illinois

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.2	0.9	0.5	0.4
Household type and relationship.....	1.3	1.1	0.6	0.5
Children ever born.....	2.6	2.3	1.3	1.2
Work disability and mobility limitation status.....	1.2	1.0	0.5	0.5
Ancestry.....	2.1	1.7	0.9	0.8
Place of birth.....	2.3	2.1	1.2	1.1
Citizenship.....	1.8	1.5	0.8	0.7
Residence in 1985.....	2.1	1.9	1.0	0.9
Year of entry.....	1.5	1.2	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.4	0.7	0.6
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.8	1.4	0.8	0.7
Type of residence (urban/ rural).....	2.3	2.3	1.3	0.9
Household type.....	1.3	1.1	0.6	0.5
Family type.....	1.2	1.1	0.5	0.5
Group quarters.....	1.0	0.9	0.8	0.7
Subfamily type and presence of children.....	1.2	1.0	0.6	0.6
Employment status.....	1.3	1.0	0.5	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.3	1.0	0.5	0.5
Class of worker.....	1.5	1.2	0.6	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.5	0.5
Number of workers in family.....	1.4	1.1	0.6	0.5
Place of work.....	1.5	1.3	0.6	0.6
Means of transportation to work.....	1.5	1.2	0.6	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.3	0.6	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Family income in 1989.....	1.2	1.0	0.5	0.5
Poverty status in 1989 (persons).....	1.7	1.4	0.7	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.6	1.2	0.6	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/ rural).....	1.1	1.0	0.6	0.5
Condominium status.....	1.2	1.1	0.5	0.5
Units in structure.....	1.2	1.1	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.3	1.1	0.5	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.1	0.5	0.5
Kitchen facilities.....	1.3	1.1	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.6	0.5
Sewage disposal.....	1.2	1.0	0.5	0.4
House heating fuel.....	1.4	1.1	0.6	0.5
Telephone in housing unit.....	1.3	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.5	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Indiana

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.5	0.4
Household type and relationship.....	1.3	1.0	0.5	0.5
Children ever born.....	2.6	2.3	1.3	1.1
Work disability and mobility limitation status.....	1.2	1.0	0.5	0.5
Ancestry.....	2.0	1.8	0.9	0.8
Place of birth.....	2.3	2.1	1.1	1.0
Citizenship.....	1.8	1.5	0.8	0.7
Residence in 1985.....	2.1	1.9	1.0	0.9
Year of entry.....	1.3	1.1	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.4	0.7	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.4	0.8	0.7
Type of residence (urban/rural).....	2.7	2.7	1.0	1.0
Household type.....	1.3	1.0	0.5	0.5
Family type.....	1.2	1.0	0.5	0.5
Group quarters.....	0.9	0.9	0.8	0.8
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.2	1.0	0.5	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.5	0.5
Class of worker.....	1.4	1.2	0.6	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.5	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.4	1.2	0.6	0.6
Means of transportation to work.....	1.4	1.2	0.6	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.4	1.2	0.6	0.6
Time leaving home to go to work.....	1.3	1.1	0.5	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Family income in 1989.....	1.2	1.0	0.5	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.7	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.4	1.1	0.6	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.0	1.0	0.6	0.6
Condominium status.....	1.2	1.0	0.5	0.5
Units in structure.....	1.2	1.1	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.0	0.5	0.5
Kitchen facilities.....	1.2	1.1	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.6	0.5
Sewage disposal.....	1.1	1.0	0.5	0.5
House heating fuel.....	1.3	1.0	0.5	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.2	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.1	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.1	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.1	0.5	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.1	1.0	0.5	0.5

Table C. Standard Error Design Factors—lowa

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.5	0.4
Household type and relationship.....	1.2	1.0	0.6	0.5
Children ever born.....	2.6	2.4	1.5	1.4
Work disability and mobility limitation status.....	1.2	1.0	0.5	0.5
Ancestry.....	1.9	1.6	0.8	0.8
Place of birth.....	2.3	2.2	1.1	1.1
Citizenship.....	1.7	1.4	0.7	0.7
Residence in 1985.....	2.0	1.9	0.9	0.9
Year of entry.....	1.4	1.1	0.6	0.6
Language spoken at home and ability to speak English.....	1.6	1.4	0.7	0.6
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.6	1.4	0.7	0.7
Type of residence (urban/rural).....	2.1	2.1	0.9	0.9
Household type.....	1.2	1.0	0.6	0.5
Family type.....	1.2	1.0	0.5	0.5
Group quarters.....	0.9	0.9	0.8	0.7
Subfamily type and presence of children.....	1.2	0.9	0.5	0.5
Employment status.....	1.2	1.0	0.5	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.5	0.5
Class of worker.....	1.4	1.2	0.6	0.5
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.5	1.2	0.6	0.6
Means of transportation to work.....	1.4	1.2	0.6	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.4	1.2	0.6	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Family income in 1989.....	1.2	1.0	0.5	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.7	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.3	1.1	0.6	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.0	1.0	0.6	0.5
Condominium status.....	1.2	1.0	0.5	0.5
Units in structure.....	1.2	1.1	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.0	0.5	0.5
Kitchen facilities.....	1.1	1.1	0.5	0.5
Source of water, plumbing facilities.....	1.4	1.1	0.6	0.5
Sewage disposal.....	1.2	1.0	0.5	0.4
House heating fuel.....	1.3	1.1	0.5	0.5
Telephone in housing unit.....	1.2	1.1	0.5	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.5	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Kansas

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.6	0.5
Household type and relationship.....	1.2	1.1	0.6	0.5
Children ever born.....	2.5	2.3	1.7	1.3
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	2.0	1.7	1.0	0.8
Place of birth.....	1.9	1.9	1.2	1.0
Citizenship.....	1.7	1.5	0.9	0.7
Residence in 1985.....	2.0	1.8	1.1	0.9
Year of entry.....	1.4	1.2	0.6	0.5
Language spoken at home and ability to speak English.....	1.6	1.4	0.8	0.7
Educational attainment.....	1.3	1.1	0.7	0.5
School enrollment.....	1.6	1.4	0.9	0.7
Type of residence (urban/rural).....	2.4	2.4	1.8	0.8
Household type.....	1.2	1.1	0.6	0.5
Family type.....	1.2	1.0	0.6	0.5
Group quarters.....	0.9	0.9	0.9	0.8
Subfamily type and presence of children.....	1.2	0.9	0.5	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.2	0.7	0.5
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.2	0.7	0.5
Place of work.....	1.4	1.3	0.7	0.6
Means of transportation to work.....	1.4	1.2	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.4	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.7	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.8	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.3	1.1	0.7	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.0	1.0	0.6	0.5
Condominium status.....	1.2	1.0	0.6	0.5
Units in structure.....	1.2	1.1	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.0	0.6	0.5
Kitchen facilities.....	1.2	1.2	0.9	0.5
Source of water, plumbing facilities.....	1.4	1.2	0.7	0.6
Sewage disposal.....	1.1	1.0	0.5	0.5
House heating fuel.....	1.3	1.1	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.1	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.1	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.1	1.0	0.5	0.5

Table C. Standard Error Design Factors—Kentucky
 [Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.5	0.4
Household type and relationship.....	1.2	1.0	0.6	0.5
Children ever born.....	2.8	2.4	1.5	1.2
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	2.2	1.9	1.0	0.9
Place of birth.....	2.5	2.2	1.1	0.9
Citizenship.....	1.8	1.5	0.9	0.7
Residence in 1985.....	2.0	1.8	1.0	0.8
Year of entry.....	1.3	1.1	0.6	0.5
Language spoken at home and ability to speak English.....	1.6	1.4	0.8	0.6
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.5	0.8	0.7
Type of residence (urban/rural).....	2.5	2.5	1.1	0.9
Household type.....	1.2	1.0	0.6	0.5
Family type.....	1.2	1.0	0.6	0.5
Group quarters.....	1.0	1.0	0.8	0.8
Subfamily type and presence of children.....	1.2	1.0	0.6	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.2	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.2	0.6	0.5
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.4	1.2	0.7	0.6
Means of transportation to work.....	1.4	1.2	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.4	1.2	0.7	0.6
Time leaving home to go to work.....	1.2	1.1	0.6	0.5
Type of income in 1989.....	1.3	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.8	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.4	1.2	0.7	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	1.0	0.6	0.5
Condominium status.....	1.2	1.0	0.6	0.5
Units in structure.....	1.2	1.0	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.0	0.6	0.5
Kitchen facilities.....	1.2	1.2	0.6	0.6
Source of water, plumbing facilities.....	1.3	1.2	0.7	0.6
Sewage disposal.....	1.2	1.0	0.6	0.5
House heating fuel.....	1.2	1.0	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.2	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.1	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.1	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.1	1.0	0.5	0.5

Table C. Standard Error Design Factors—Louisiana

(Percent of persons or housing units in sample)

POPULATION

Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	1.0	0.5	0.5
Household type and relationship.....	1.3	1.1	0.6	0.5
Children ever born.....	2.8	2.6	1.5	1.4
Work disability and mobility limitation status.....	1.2	1.1	0.5	0.5
Ancestry.....	2.3	2.0	1.1	1.0
Place of birth.....	2.7	2.5	1.4	1.2
Citizenship.....	1.9	1.6	0.8	0.7
Residence in 1985.....	2.2	2.0	1.1	0.9
Year of entry.....	1.4	1.1	0.6	0.6
Language spoken at home and ability to speak English.....	1.7	1.5	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.5	0.8	0.7
Type of residence (urban/rural).....	2.2	2.2	1.3	0.9
Household type.....	1.3	1.1	0.6	0.5
Family type.....	1.2	1.1	0.6	0.5
Group quarters.....	0.9	0.9	0.7	0.7
Subfamily type and presence of children.....	1.2	1.0	0.6	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.5	0.5
Class of worker.....	1.4	1.2	0.6	0.5
Hours per week and weeks worked in 1989.....	1.2	1.0	0.5	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.4	1.2	0.6	0.5
Means of transportation to work.....	1.4	1.2	0.6	0.6

Table C. Standard Error Design Factors—Maine
 [Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.5	0.4
Household type and relationship.....	1.2	1.1	0.6	0.5
Children ever born.....	2.6	2.3	1.3	1.2
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	1.9	1.7	1.0	0.8
Place of birth.....	2.1	2.0	1.2	1.0
Citizenship.....	1.8	1.5	0.9	0.7
Residence in 1985.....	2.0	1.8	1.0	0.9
Year of entry.....	1.3	1.1	0.6	0.5
Language spoken at home and ability to speak English.....	1.6	1.4	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.5	0.9	0.8
Type of residence (urban/rural).....	2.2	1.9	0.9	0.8
Household type.....	1.2	1.1	0.6	0.5
Family type.....	1.2	1.0	0.6	0.5
Group quarters.....	0.9	0.9	0.7	0.7
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.2	0.7	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.4	1.2	0.7	0.6
Means of transportation to work.....	1.5	1.3	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.5	1.3	0.8	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.4	1.2	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.0	0.9	0.5	0.5
Condominium status.....	1.2	1.0	0.5	0.5
Units in structure.....	1.2	1.0	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.0	0.5	0.5
Kitchen facilities.....	1.3	1.3	0.6	0.5
Source of water, plumbing facilities.....	1.3	1.0	0.6	0.5
Sewage disposal.....	1.1	0.9	0.5	0.5
House heating fuel.....	1.2	1.1	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.1	1.0	0.5	0.5

Table C. Standard Error Design Factors—Maryland

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.2	0.9	0.6	0.4
Household type and relationship.....	1.3	1.0	0.6	0.5
Children ever born.....	2.5	2.2	1.4	1.1
Work disability and mobility limitation status.....	1.2	1.1	0.6	0.5
Ancestry.....	2.1	1.7	1.0	0.8
Place of birth.....	2.0	1.6	1.0	0.7
Citizenship.....	1.8	1.5	0.9	0.6
Residence in 1985.....	2.0	1.8	1.0	0.8
Year of entry.....	1.5	1.3	0.7	0.6
Language spoken at home and ability to speak English.....	1.7	1.4	0.8	0.6
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.4	0.9	0.6
Type of residence (urban/rural).....	2.1	2.1	1.1	0.8
Household type.....	1.3	1.0	0.6	0.5
Family type.....	1.2	1.1	0.6	0.5
Group quarters.....	1.0	0.9	0.8	0.6
Subfamily type and presence of children.....	1.2	1.0	0.6	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.1	0.6	0.5
Class of worker.....	1.4	1.3	0.7	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.4	1.1	0.6	0.5
Place of work.....	1.5	1.3	0.8	0.6
Means of transportation to work.....	1.4	1.3	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.4	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.7	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.3	0.7	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.5	1.2	0.7	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	1.0	0.6	0.5
Condominium status.....	1.2	1.0	0.6	0.5
Units in structure.....	1.1	1.0	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.1	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.1	0.6	0.5
Kitchen facilities.....	1.2	1.0	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.6	0.5
Sewage disposal.....	1.1	1.0	0.6	0.4
House heating fuel.....	1.2	1.0	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.2	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.1	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.6	0.5

Table C. Standard Error Design Factors—Massachusetts

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.2	0.9	0.5	0.4
Household type and relationship.....	1.3	1.1	0.6	0.5
Children ever born.....	2.6	2.3	1.1	1.0
Work disability and mobility limitation status.....	1.2	1.1	0.5	0.5
Ancestry.....	2.0	1.6	0.8	0.7
Place of birth.....	2.3	2.1	1.1	0.9
Citizenship.....	1.9	1.5	0.8	0.7
Residence in 1985.....	2.1	1.9	1.0	0.9
Year of entry.....	1.5	1.2	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.5	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.8	1.5	0.8	0.7
Type of residence (urban/rural).....	2.1	1.8	1.0	1.0
Household type.....	1.3	1.1	0.6	0.5
Family type.....	1.2	1.1	0.5	0.5
Group quarters.....	1.0	0.9	0.8	0.8
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.3	1.0	0.5	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.3	1.1	0.5	0.5
Class of worker.....	1.5	1.3	0.7	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.5	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.5	1.3	0.7	0.6
Means of transportation to work.....	1.5	1.3	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.1	0.5	0.5
Family income in 1989.....	1.2	1.1	0.5	0.5
Poverty status in 1989 (persons).....	1.6	1.3	0.7	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.6	1.2	0.6	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.0	0.9	0.5	0.5
Condominium status.....	1.2	1.1	0.5	0.5
Units in structure.....	1.2	1.1	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.1	0.5	0.5
Gross rent.....	1.2	1.1	0.5	0.5
Household income in 1989.....	1.2	1.1	0.5	0.5
Year structure built.....	1.2	1.1	0.5	0.5
Rooms, bedrooms.....	1.2	1.1	0.5	0.5
Kitchen facilities.....	1.2	1.0	0.5	0.5
Source of water, plumbing facilities.....	1.4	1.2	0.5	0.5
Sewage disposal.....	1.2	1.1	0.5	0.5
House heating fuel.....	1.3	1.1	0.5	0.5
Telephone in housing unit.....	1.3	1.1	0.5	0.5
Vehicles available.....	1.3	1.2	0.6	0.5
Year householder moved into structure.....	1.2	1.1	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Michigan

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.2	0.9	0.5	0.4
Household type and relationship.....	1.3	1.0	0.6	0.5
Children ever born.....	2.6	2.3	1.6	1.2
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	2.0	1.6	0.9	0.8
Place of birth.....	2.4	2.1	1.5	1.2
Citizenship.....	1.8	1.5	1.0	0.7
Residence in 1985.....	2.0	1.8	1.1	0.9
Year of entry.....	1.4	1.2	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.4	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.6	1.4	0.9	0.7
Type of residence (urban/ rural).....	2.0	2.0	1.7	1.4
Household type.....	1.3	1.0	0.6	0.5
Family type.....	1.2	1.0	0.6	0.5
Group quarters.....	1.0	0.9	0.9	0.8
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.2	0.7	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.4	1.2	0.7	0.6
Means of transportation to work.....	1.4	1.2	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.4	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.5	1.2	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/ rural).....	1.0	1.0	0.5	0.5
Condominium status.....	1.2	1.0	0.5	0.5
Units in structure.....	1.1	1.0	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.0	0.5	0.5
Kitchen facilities.....	1.5	1.0	0.6	0.5
Source of water, plumbing facilities.....	1.2	1.1	0.6	0.5
Sewage disposal.....	1.1	1.0	0.5	0.4
House heating fuel.....	1.4	1.1	0.5	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.2	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.1	1.0	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.1	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.1	1.0	0.5	0.5

Table C. Standard Error Design Factors—Minnesota
 [Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.5	0.4
Household type and relationship.....	1.3	1.0	0.6	0.5
Children ever born.....	2.5	2.2	1.5	1.3
Work disability and mobility limitation status.....	1.2	1.0	0.5	0.5
Ancestry.....	1.8	1.5	0.9	0.8
Place of birth.....	2.1	1.9	1.3	1.1
Citizenship.....	1.7	1.4	0.9	0.7
Residence in 1985.....	1.9	1.7	1.1	0.9
Year of entry.....	1.5	1.2	0.6	0.5
Language spoken at home and ability to speak English.....	1.6	1.4	0.8	0.6
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.6	1.3	0.8	0.7
Type of residence (urban/ rural).....	2.9	1.9	1.4	1.1
Household type.....	1.3	1.0	0.6	0.5
Family type.....	1.2	1.0	0.5	0.5
Group quarters.....	1.0	0.8	0.8	0.8
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.2	1.0	0.5	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.5	0.5
Class of worker.....	1.4	1.2	0.6	0.5
Hours per week and weeks worked in 1989.....	1.2	1.0	0.5	0.5
Number of workers in family.....	1.4	1.1	0.6	0.5
Place of work.....	1.4	1.2	0.7	0.6
Means of transportation to work.....	1.4	1.2	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.2	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Family income in 1989.....	1.2	1.0	0.5	0.5
Poverty status in 1989 (persons).....	1.6	1.3	0.7	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.4	1.1	0.6	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/ rural).....	1.1	0.9	0.5	0.5
Condominium status.....	1.1	1.0	0.5	0.5
Units in structure.....	1.1	1.0	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.1	1.0	0.5	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Year structure built.....	1.1	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.0	0.5	0.5
Kitchen facilities.....	1.1	1.0	0.6	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.5	0.5
Sewage disposal.....	1.1	0.9	0.5	0.4
House heating fuel.....	1.3	1.1	0.5	0.5
Telephone in housing unit.....	1.1	1.0	0.6	0.5
Vehicles available.....	1.2	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.1	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.1	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.5	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.1	1.0	0.5	0.5

Table C. Standard Error Design Factors—Mississippi

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	1.0	0.6	0.5
Household type and relationship.....	1.3	1.2	0.7	0.5
Children ever born.....	3.0	2.9	1.8	1.5
Work disability and mobility limitation status.....	1.2	1.1	0.5	0.5
Ancestry.....	2.4	2.3	1.2	1.1
Place of birth.....	2.8	2.8	1.5	1.3
Citizenship.....	1.9	1.7	0.9	0.7
Residence in 1985.....	2.2	2.1	1.1	0.9
Year of entry.....	1.3	1.1	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.5	0.8	0.7
Educational attainment.....	1.3	1.2	0.6	0.5
School enrollment.....	1.7	1.5	0.8	0.7
Type of residence (urban/ rural).....	2.4	2.4	1.7	1.0
Household type.....	1.3	1.2	0.7	0.5
Family type.....	1.2	1.1	0.6	0.5
Group quarters.....	1.0	1.0	1.0	1.0
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.2	1.1	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.1	0.6	0.5
Class of worker.....	1.4	1.2	0.6	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.2	0.6	0.5
Place of work.....	1.5	1.3	0.7	0.6
Means of transportation to work.....	1.4	1.3	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.4	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.3	0.7	0.6
Household income in 1989.....	1.2	1.1	0.5	0.5
Family income in 1989.....	1.2	1.1	0.5	0.5
Poverty status in 1989 (persons).....	1.8	1.5	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.5	1.3	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/ rural).....	1.2	1.1	0.6	0.5
Condominium status.....	1.2	1.1	0.5	0.5
Units in structure.....	1.2	1.1	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.1	0.5	0.5
Gross rent.....	1.2	1.1	0.5	0.5
Household income in 1989.....	1.2	1.1	0.5	0.5
Year structure built.....	1.2	1.1	0.5	0.5
Rooms, bedrooms.....	1.2	1.1	0.5	0.5
Kitchen facilities.....	1.2	1.2	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.5	0.4
Sewage disposal.....	1.2	1.1	0.6	0.5
House heating fuel.....	1.2	1.1	0.5	0.5
Telephone in housing unit.....	1.3	1.1	0.5	0.5
Vehicles available.....	1.3	1.1	0.5	0.5
Year householder moved into structure.....	1.2	1.1	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Missouri

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.5	0.4
Household type and relationship.....	1.3	1.1	0.6	0.5
Children ever born.....	2.6	2.4	1.4	1.3
Work disability and mobility limitation status.....	1.2	1.0	0.5	0.5
Ancestry.....	2.0	1.7	0.9	0.8
Place of birth.....	2.3	2.1	1.0	1.0
Citizenship.....	1.8	1.6	0.8	0.7
Residence in 1985.....	2.1	1.8	1.0	0.8
Year of entry.....	1.4	1.1	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.4	0.7	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.5	0.8	0.7
Type of residence (urban/ rural).....	2.4	2.4	1.2	0.7
Household type.....	1.3	1.1	0.6	0.5
Family type.....	1.2	1.1	0.5	0.5
Group quarters.....	1.0	0.9	0.8	0.8
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.2	1.0	0.5	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.5	0.5
Class of worker.....	1.4	1.2	0.6	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.5	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.5	1.3	0.7	0.6
Means of transportation to work.....	1.5	1.2	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.2	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Family income in 1989.....	1.2	1.0	0.5	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.7	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.4	1.2	0.6	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/ rural).....	1.1	1.0	0.5	0.5
Condominium status.....	1.2	1.0	0.5	0.5
Units in structure.....	1.2	1.1	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.0	0.5	0.5
Kitchen facilities.....	1.2	1.1	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.6	0.6
Sewage disposal.....	1.2	1.0	0.5	0.4
House heating fuel.....	1.3	1.0	0.5	0.5
Telephone in housing unit.....	1.2	1.1	0.5	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.5	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Montana

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.6	0.5
Household type and relationship.....	1.2	1.1	0.7	0.5
Children ever born.....	2.6	2.4	1.7	1.4
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	1.7	1.6	1.0	0.7
Place of birth.....	1.9	1.8	1.1	0.9
Citizenship.....	1.6	1.5	1.0	0.7
Residence in 1985.....	2.0	1.8	1.1	0.9
Year of entry.....	1.2	1.0	0.6	0.5
Language spoken at home and ability to speak English.....	1.6	1.3	0.8	0.7
Educational attainment.....	1.3	1.1	0.7	0.5
School enrollment.....	1.7	1.4	0.9	0.7
Type of residence (urban/rural).....	2.4	2.4	1.6	1.1
Household type.....	1.2	1.1	0.7	0.5
Family type.....	1.2	1.0	0.6	0.5
Group quarters.....	0.9	0.8	0.8	0.8
Subfamily type and presence of children.....	1.2	0.9	0.6	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.2	0.7	0.5
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.1	0.7	0.5
Place of work.....	1.5	1.2	0.8	0.6
Means of transportation to work.....	1.4	1.2	0.7	0.6
Travel time to work.....	1.3	1.1	0.7	0.5
Private vehicle occupancy.....	1.4	1.2	0.7	0.5
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.3	1.1	0.7	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	2.4	2.4	1.6	1.1
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.0	0.6	0.5
Kitchen facilities.....	1.1	1.1	0.8	0.6
Source of water, plumbing facilities.....	1.3	1.1	0.6	0.5
Sewage disposal.....	1.1	1.0	0.5	0.4
House heating fuel.....	1.2	1.0	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.1	1.0	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.1	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.1	1.0	0.6	0.5

Table C. Standard Error Design Factors—Nebraska

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.6	0.4
Household type and relationship.....	1.2	1.1	0.7	0.5
Children ever born.....	2.5	2.3	1.8	1.4
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	1.8	1.6	1.1	0.8
Place of birth.....	2.1	2.0	1.4	1.1
Citizenship.....	1.7	1.4	1.0	0.7
Residence in 1985.....	2.0	1.8	1.2	0.9
Year of entry.....	1.4	1.1	0.6	0.5
Language spoken at home and ability to speak English.....	1.6	1.4	0.9	0.6
Educational attainment.....	1.3	1.1	0.7	0.5
School enrollment.....	1.6	1.4	0.9	0.7
Type of residence (urban/ rural).....	2.1	2.1	1.5	1.0
Household type.....	1.2	1.1	0.7	0.5
Family type.....	1.2	1.0	0.6	0.5
Group quarters.....	0.9	0.8	0.7	0.7
Subfamily type and presence of children.....	1.2	0.9	0.5	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.2	0.7	0.5
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.1	0.7	0.5
Place of work.....	1.5	1.2	0.8	0.6
Means of transportation to work.....	1.4	1.2	0.7	0.6
Travel time to work.....	1.3	1.1	0.7	0.5
Private vehicle occupancy.....	1.4	1.2	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.1	0.7	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.8	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.3	1.1	0.7	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/ rural).....	1.0	0.9	0.6	0.5
Condominium status.....	1.2	1.0	0.6	0.5
Units in structure.....	1.1	1.0	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.0	0.6	0.5
Kitchen facilities.....	1.1	1.0	0.6	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.7	0.5
Sewage disposal.....	1.0	1.0	0.6	0.4
House heating fuel.....	1.3	1.0	0.6	0.5
Telephone in housing unit.....	1.2	1.0	0.6	0.5
Vehicles available.....	1.3	1.1	0.7	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Nevada

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.2	0.9	0.5	0.5
Household type and relationship.....	1.3	1.1	0.6	0.6
Children ever born.....	2.6	2.2	1.3	1.3
Work disability and mobility limitation status.....	1.3	1.0	0.6	0.5
Ancestry.....	2.1	1.7	0.9	0.9
Place of birth.....	1.7	1.5	0.8	0.7
Citizenship.....	1.8	1.4	0.8	0.7
Residence in 1985.....	2.0	1.7	1.0	0.9
Year of entry.....	1.5	1.2	0.6	0.6
Language spoken at home and ability to speak English.....	1.7	1.4	0.8	0.7
Educational attainment.....	1.4	1.1	0.6	0.5
School enrollment.....	1.9	1.4	0.8	0.7
Type of residence (urban/rural).....	2.2	2.2	1.7	1.5
Household type.....	1.3	1.1	0.6	0.6
Family type.....	1.3	1.0	0.6	0.5
Group quarters.....	1.1	1.0	1.0	1.0
Subfamily type and presence of children.....	1.3	1.0	0.8	0.6
Employment status.....	1.3	1.0	0.6	0.5
Industry.....	1.4	1.1	0.6	0.5
Occupation.....	1.3	1.0	0.6	0.5
Class of worker.....	1.6	1.2	0.7	0.6
Hours per week and weeks worked in 1989.....	1.3	1.0	0.6	0.5
Number of workers in family.....	1.4	1.2	0.6	0.6
Place of work.....	1.6	1.2	0.7	0.6
Means of transportation to work.....	1.5	1.2	0.7	0.6
Travel time to work.....	1.4	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.2	0.7	0.6
Time leaving home to go to work.....	1.4	1.1	0.6	0.5
Type of income in 1989.....	1.5	1.2	0.6	0.5
Household income in 1989.....	1.3	1.0	0.6	0.5
Family income in 1989.....	1.3	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.7	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.5	1.1	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	0.9	0.5	0.5
Condominium status.....	1.2	1.0	0.5	0.5
Units in structure.....	1.1	1.0	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.3	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.0	0.5	0.5
Kitchen facilities.....	1.4	1.0	0.5	0.5
Source of water, plumbing facilities.....	1.5	1.1	0.5	0.4
Sewage disposal.....	1.2	1.0	0.5	0.4
House heating fuel.....	1.2	1.0	0.5	0.5
Telephone in housing unit.....	1.2	1.0	0.5	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C: Standard Error Design Factors—New Hampshire

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.5	0.5
Household type and relationship.....	1.2	1.1	0.6	0.5
Children ever born.....	2.5	2.2	1.3	1.2
Work disability and mobility limitation status.....	1.2	1.0	0.5	0.5
Ancestry.....	1.9	1.6	0.9	0.8
Place of birth.....	1.9	1.6	0.9	0.8
Citizenship.....	1.8	1.5	0.9	0.8
Residence in 1985.....	2.0	1.8	1.0	0.9
Year of entry.....	1.3	1.1	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.4	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.6
School enrollment.....	1.8	1.5	0.9	0.8
Type of residence (urban/rural).....	2.1	1.8	1.0	0.9
Household type.....	1.2	1.1	0.6	0.5
Family type.....	1.2	1.1	0.5	0.5
Group quarters.....	0.8	0.8	0.8	0.7
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.5	1.3	0.7	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.5	0.5
Number of workers in family.....	1.4	1.2	0.6	0.6
Place of work.....	1.4	1.2	0.7	0.6
Means of transportation to work.....	1.5	1.3	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Family income in 1989.....	1.2	1.0	0.5	0.5
Poverty status in 1989 (persons).....	1.5	1.3	0.7	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.4	1.2	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	1.0	0.5	0.5
Condominium status.....	1.2	1.0	0.5	0.5
Units in structure.....	1.2	1.0	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.0	0.5	0.5
Kitchen facilities.....	1.2	0.9	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.5	0.5
Sewage disposal.....	1.1	1.0	0.5	0.4
House heating fuel.....	1.2	1.0	0.5	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.1	0.5	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—New Jersey

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.2	0.9	0.5	0.4
Household type and relationship.....	1.3	1.0	0.6	0.5
Children ever born.....	2.5	2.1	1.3	1.0
Work disability and mobility limitation status.....	1.2	1.1	0.5	0.5
Ancestry.....	2.1	1.7	0.9	0.7
Place of birth.....	2.0	1.7	1.0	0.8
Citizenship.....	1.8	1.5	0.9	0.7
Residence in 1985.....	2.2	1.9	1.0	0.9
Year of entry.....	1.6	1.3	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.4	0.8	0.7
Educational attainment.....	1.4	1.1	0.6	0.5
School enrollment.....	1.8	1.5	0.9	0.7
Type of residence (urban/rural).....	2.2	1.9	1.4	0.8
Household type.....	1.3	1.0	0.6	0.5
Family type.....	1.2	1.1	0.5	0.5
Group quarters.....	1.1	0.9	0.8	0.8
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.3	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.3	1.1	0.6	0.5
Class of worker.....	1.5	1.3	0.7	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.5	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.5	1.3	0.7	0.6
Means of transportation to work.....	1.5	1.3	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.1	0.5	0.5
Family income in 1989.....	1.2	1.1	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.3	0.7	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.6	1.2	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.0	0.9	0.5	0.5
Condominium status.....	1.2	1.1	0.5	0.5
Units in structure.....	1.2	1.0	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.1	0.5	0.5
Gross rent.....	1.3	1.1	0.5	0.5
Household income in 1989.....	1.2	1.1	0.5	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.1	0.5	0.5
Kitchen facilities.....	1.3	1.1	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.2	0.6	0.6
Sewage disposal.....	1.1	1.0	0.5	0.5
House heating fuel.....	1.3	1.1	0.6	0.5
Telephone in housing unit.....	1.3	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.1	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—New York

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.2	0.9	0.5	0.4
Household type and relationship.....	1.4	1.1	0.6	0.5
Children ever born.....	2.6	2.2	1.3	1.1
Work disability and mobility limitation status.....	1.3	1.0	0.6	0.5
Ancestry.....	2.1	1.6	0.9	0.8
Place of birth.....	2.4	2.4	1.4	1.2
Citizenship.....	1.8	1.5	0.9	0.7
Residence in 1985.....	2.3	1.9	1.1	0.9
Year of entry.....	1.6	1.2	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.4	0.8	0.7
Educational attainment.....	1.4	1.1	0.6	0.5
School enrollment.....	1.8	1.5	0.9	0.7
Type of residence (urban/rural).....	2.1	1.8	1.7	1.5
Household type.....	1.4	1.1	0.6	0.5
Family type.....	1.3	1.1	0.6	0.5
Group quarters.....	1.1	0.8	0.8	0.8
Subfamily type and presence of children.....	1.3	1.0	0.5	0.5
Employment status.....	1.3	1.0	0.6	0.5
Industry.....	1.4	1.1	0.6	0.5
Occupation.....	1.3	1.0	0.6	0.5
Class of worker.....	1.5	1.2	0.7	0.6
Hours per week and weeks worked in 1989.....	1.3	1.0	0.6	0.5
Number of workers in family.....	1.4	1.1	0.6	0.5
Place of work.....	1.5	1.2	0.7	0.6
Means of transportation to work.....	1.5	1.3	0.7	0.6
Travel time to work.....	1.4	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.3	0.7	0.6
Time leaving home to go to work.....	1.4	1.1	0.6	0.5
Type of income in 1989.....	1.5	1.2	0.6	0.5
Household income in 1989.....	1.3	1.0	0.5	0.5
Family income in 1989.....	1.3	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.7	1.3	0.8	0.7
Poverty status in 1989 (families).....	1.3	1.0	0.5	0.5
Armed Forces and veteran status.....	1.7	1.2	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	1.0	0.5	0.5
Condominium status.....	1.3	1.1	0.5	0.5
Units in structure.....	1.2	1.1	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.3	1.1	0.5	0.5
Household income in 1989.....	1.3	1.0	0.5	0.5
Year structure built.....	1.3	1.0	0.5	0.5
Rooms, bedrooms.....	1.3	1.1	0.5	0.5
Kitchen facilities.....	1.4	1.0	0.6	0.5
Source of water, plumbing facilities.....	1.4	1.1	0.6	0.5
Sewage disposal.....	1.2	1.0	0.5	0.5
House heating fuel.....	1.3	1.1	0.6	0.5
Telephone in housing unit.....	1.3	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.3	1.1	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—New Mexico

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.6	0.5
Household type and relationship.....	1.3	1.1	0.7	0.6
Children ever born.....	2.9	2.5	1.7	1.4
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	2.4	2.0	1.4	1.2
Place of birth.....	2.0	1.7	1.3	1.1
Citizenship.....	1.8	1.5	1.0	0.8
Residence in 1985.....	2.1	1.9	1.2	1.0
Year of entry.....	1.4	1.1	0.7	0.6
Language spoken at home and ability to speak English.....	1.6	1.3	0.8	0.7
Educational attainment.....	1.3	1.1	0.7	0.6
School enrollment.....	1.7	1.5	0.9	0.8
Type of residence (urban/rural).....	2.6	2.6	1.4	1.4
Household type.....	1.3	1.1	0.7	0.6
Family type.....	1.2	1.0	0.6	0.5
Group quarters.....	1.0	0.9	0.9	0.9
Subfamily type and presence of children.....	1.2	1.0	0.6	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.2	0.7	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.4	1.2	0.7	0.6
Place of work.....	1.5	1.3	0.7	0.6
Means of transportation to work.....	1.4	1.2	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.6
Private vehicle occupancy.....	1.4	1.2	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.7	0.6
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.7	1.4	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.4	1.2	0.8	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	0.9	0.6	0.5
Condominium status.....	1.2	1.0	0.6	0.5
Units in structure.....	1.2	1.0	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.0	0.6	0.5
Kitchen facilities.....	1.2	1.2	0.8	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.6	0.5
Sewage disposal.....	1.2	1.0	0.5	0.5
House heating fuel.....	1.3	1.1	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.6	0.5

Table C. Standard Error Design Factors—North Carolina

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	1.0	0.5	0.5
Household type and relationship.....	1.2	1.1	0.6	0.5
Children ever born.....	2.6	2.5	1.6	1.3
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	2.3	2.0	1.0	0.9
Place of birth.....	2.4	2.2	1.1	1.1
Citizenship.....	1.8	1.6	0.9	0.7
Residence in 1985.....	2.0	1.9	1.0	0.9
Year of entry.....	1.4	1.1	0.8	0.6
Language spoken at home and ability to speak English.....	1.7	1.5	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.5	0.9	0.7
Type of residence (urban/rural).....	2.3	2.2	1.5	0.8
Household type.....	1.2	1.1	0.6	0.5
Family type.....	1.2	1.1	0.5	0.5
Group quarters.....	0.9	0.8	0.8	0.7
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.1	0.6	0.5
Class of worker.....	1.5	1.3	0.7	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.2	0.6	0.5
Place of work.....	1.5	1.3	0.7	0.6
Means of transportation to work.....	1.5	1.3	0.7	0.6
Travel time to work.....	1.3	1.2	0.6	0.5
Private vehicle occupancy.....	1.5	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.1	0.5	0.5
Family income in 1989.....	1.2	1.1	0.5	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.7	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.4	1.3	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.2	1.1	0.6	0.6
Condominium status.....	1.2	1.1	0.5	0.5
Units in structure.....	1.2	1.1	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.2	1.1	0.5	0.5
Household income in 1989.....	1.2	1.1	0.5	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.1	0.5	0.5
Kitchen facilities.....	1.3	1.1	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.6	0.5
Sewage disposal.....	1.2	1.1	0.5	0.5
House heating fuel.....	1.2	1.1	0.5	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.1	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—North Dakota

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.6	0.5
Household type and relationship.....	1.2	1.1	0.8	0.5
Children ever born.....	2.6	2.5	2.1	1.4
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	1.8	1.6	1.2	0.8
Place of birth.....	2.1	2.1	1.7	1.1
Citizenship.....	1.6	1.5	1.1	0.7
Residence in 1985.....	2.0	1.8	1.5	0.9
Year of entry.....	1.3	1.0	0.6	0.5
Language spoken at home and ability to speak English.....	1.6	1.3	1.0	0.6
Educational attainment.....	1.3	1.1	0.7	0.5
School enrollment.....	1.6	1.4	1.1	0.7
Type of residence (urban/rural).....	2.2	2.2	1.7	0.9
Household type.....	1.2	1.1	0.8	0.5
Family type.....	1.2	1.0	0.7	0.5
Group quarters.....	0.7	0.7	0.7	0.7
Subfamily type and presence of children.....	1.2	0.9	0.6	0.5
Employment status.....	1.2	1.0	0.7	0.5
Industry.....	1.3	1.0	0.7	0.5
Occupation.....	1.2	1.0	0.7	0.5
Class of worker.....	1.4	1.1	0.7	0.5
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.4	1.1	0.8	0.5
Place of work.....	1.5	1.2	0.9	0.6
Means of transportation to work.....	1.4	1.1	0.8	0.5
Travel time to work.....	1.3	1.1	0.7	0.5
Private vehicle occupancy.....	1.5	1.1	0.8	0.6
Time leaving home to go to work.....	1.3	1.0	0.7	0.5
Type of income in 1989.....	1.4	1.1	0.8	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.7	0.5
Poverty status in 1989 (persons).....	1.5	1.3	0.9	0.6
Poverty status in 1989 (families).....	1.2	0.9	0.6	0.5
Armed Forces and veteran status.....	1.3	1.1	0.9	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.2	0.9	0.7	0.5
Condominium status.....	1.2	1.0	0.7	0.5
Units in structure.....	1.1	1.0	0.7	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.0	0.7	0.5
Kitchen facilities.....	1.4	1.4	0.9	0.5
Source of water, plumbing facilities.....	1.5	1.1	0.8	0.5
Sewage disposal.....	1.2	1.0	0.6	0.4
House heating fuel.....	1.2	1.0	0.6	0.5
Telephone in housing unit.....	1.2	1.0	0.7	0.5
Vehicles available.....	1.3	1.1	0.7	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.2	0.9	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	0.9	0.6	0.5

Table C. Standard Error Design Factors—Ohio

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.5	0.4
Household type and relationship.....	1.2	1.0	0.5	0.5
Children ever born.....	2.6	2.3	1.3	1.1
Work disability and mobility limitation status.....	1.2	1.0	0.5	0.5
Ancestry.....	1.9	1.7	0.9	0.8
Place of birth.....	2.3	2.2	1.2	1.0
Citizenship.....	1.8	1.5	0.8	0.7
Residence in 1985.....	2.0	1.9	0.9	0.9
Year of entry.....	1.3	1.1	0.6	0.5
Language spoken at home and ability to speak English.....	1.6	1.4	0.7	0.6
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.6	1.4	0.8	0.7
Type of residence (urban/rural).....	2.4	2.4	0.9	0.9
Household type.....	1.2	1.0	0.5	0.5
Family type.....	1.2	1.0	0.5	0.5
Group quarters.....	1.0	0.9	0.8	0.8
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.2	1.0	0.5	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.5	0.5
Class of worker.....	1.4	1.2	0.6	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.5	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.4	1.2	0.6	0.6
Means of transportation to work.....	1.4	1.2	0.6	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.4	1.2	0.6	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.3	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Family income in 1989.....	1.2	1.0	0.5	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.7	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.4	1.2	0.6	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.0	1.0	0.6	0.6
Condominium status.....	1.2	1.0	0.5	0.5
Units in structure.....	1.1	1.1	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.0	0.5	0.5
Kitchen facilities.....	1.2	1.1	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.6	0.5
Sewage disposal.....	1.1	1.0	0.5	0.4
House heating fuel.....	1.3	1.1	0.5	0.5
Telephone in housing unit.....	1.2	1.1	0.5	0.5
Vehicles available.....	1.2	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.1	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.1	0.5	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Oklahoma

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.5	0.4
Household type and relationship.....	1.2	1.1	0.6	0.5
Children ever born.....	2.5	2.4	1.6	1.3
Work disability and mobility limitation status.....	1.2	1.0	0.5	0.5
Ancestry.....	2.1	1.8	1.0	0.8
Place of birth.....	2.1	1.9	1.1	0.9
Citizenship.....	1.8	1.6	0.9	0.7
Residence in 1985.....	2.0	1.8	1.0	0.9
Year of entry.....	1.4	1.1	0.6	0.6
Language spoken at home and ability to speak English.....	1.7	1.5	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.5	0.8	0.7
Type of residence (urban/ rural).....	2.5	2.5	1.5	1.3
Household type.....	1.2	1.1	0.6	0.5
Family type.....	1.2	1.1	0.6	0.5
Group quarters.....	1.0	0.9	0.8	0.8
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.2	0.6	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.5	0.5
Number of workers in family.....	1.3	1.2	0.6	0.5
Place of work.....	1.5	1.3	0.7	0.6
Means of transportation to work.....	1.4	1.3	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.4	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.4	1.2	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/ rural).....	1.1	1.0	0.6	0.5
Condominium status.....	1.2	1.1	0.5	0.5
Units in structure.....	1.2	1.1	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.1	0.6	0.5
Kitchen facilities.....	1.1	1.0	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.2	0.6	0.6
Sewage disposal.....	1.1	1.0	0.5	0.4
House heating fuel.....	1.2	1.0	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Oregon

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.8	0.5
Sex.....	1.2	1.0	0.8	0.5
Race.....	1.2	1.0	0.8	0.5
Hispanic origin (of any race).....	1.2	1.0	0.8	0.5
Marital status.....	1.1	0.9	0.5	0.4
Household type and relationship.....	1.2	1.1	0.8	0.5
Children ever born.....	2.5	2.2	1.4	1.1
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	1.9	1.6	1.0	0.8
Place of birth.....	1.8	1.5	0.9	0.8
Citizenship.....	1.7	1.4	0.9	0.7
Residence in 1985.....	2.0	1.7	1.0	0.8
Year of entry.....	1.5	1.2	0.7	0.5
Language spoken at home and ability to speak English.....	1.6	1.4	0.8	0.6
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.4	0.9	0.7
Type of residence (urban/rural).....	2.6	2.6	1.5	1.1
Household type.....	1.2	1.1	0.6	0.5
Family type.....	1.2	1.0	0.6	0.5
Group quarters.....	1.1	1.0	0.9	0.8
Subfamily type and presence of children.....	1.2	1.0	0.6	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.2	0.7	0.5
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.5	1.2	0.7	0.6
Means of transportation to work.....	1.4	1.2	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.4	1.2	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.3	1.1	0.7	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	1.0	0.6	0.6
Condominium status.....	1.2	1.0	0.6	0.5
Units in structure.....	1.2	1.0	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.0	0.6	0.5
Kitchen facilities.....	1.2	1.1	0.8	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.7	0.5
Sewage disposal.....	1.2	1.0	0.6	0.4
House heating fuel.....	1.2	1.1	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.1	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.6	0.5

Table C. Standard Error Design Factors—Pennsylvania

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age	1.2	1.0	0.6	0.5
Sex	1.2	1.0	0.6	0.5
Race	1.2	1.0	0.6	0.5
Hispanic origin (of any race)	1.2	1.0	0.6	0.5
Marital status	1.2	0.9	0.5	0.4
Household type and relationship	1.3	1.0	0.6	0.5
Children ever born	2.6	2.3	1.3	1.1
Work disability and mobility limitation status	1.2	1.0	0.5	0.5
Ancestry	1.9	1.6	0.9	0.8
Place of birth	2.6	2.3	1.2	1.1
Citizenship	1.9	1.5	0.9	0.7
Residence in 1985	2.2	1.9	1.1	0.9
Year of entry	1.4	1.2	0.6	0.5
Language spoken at home and ability to speak English	1.7	1.4	0.8	0.7
Educational attainment	1.3	1.1	0.6	0.5
School enrollment	1.8	1.5	0.9	0.7
Type of residence (urban/ rural)	2.0	1.8	1.2	1.2
Household type	1.3	1.0	0.6	0.5
Family type	1.2	1.1	0.5	0.5
Group quarters	1.0	0.9	0.8	0.8
Subfamily type and presence of children	1.2	1.0	0.5	0.5
Employment status	1.2	1.0	0.5	0.5
Industry	1.3	1.1	0.6	0.5
Occupation	1.2	1.0	0.5	0.5
Class of worker	1.5	1.2	0.7	0.6
Hours per week and weeks worked in 1989	1.2	1.0	0.5	0.5
Number of workers in family	1.3	1.1	0.6	0.5
Place of work	1.5	1.2	0.7	0.6
Means of transportation to work	1.4	1.2	0.7	0.6
Travel time to work	1.3	1.1	0.6	0.5
Private vehicle occupancy	1.4	1.3	0.7	0.6
Time leaving home to go to work	1.3	1.1	0.6	0.5
Type of income in 1989	1.4	1.2	0.6	0.5
Household income in 1989	1.2	1.0	0.5	0.5
Family income in 1989	1.2	1.0	0.5	0.5
Poverty status in 1989 (persons)	1.6	1.4	0.8	0.7
Poverty status in 1989 (families)	1.2	1.0	0.5	0.5
Armed Forces and veteran status	1.5	1.2	0.7	0.5
HOUSING				
Age of householder	1.2	1.0	0.6	0.5
Race of householder	1.2	1.0	0.6	0.5
Hispanic origin of householder	1.2	1.0	0.6	0.5
Type of residence (urban/ rural)	1.1	1.0	0.5	0.5
Condominium status	1.2	1.1	0.5	0.5
Units in structure	1.2	1.0	0.5	0.5
Tenure	1.2	1.0	0.6	0.5
Occupancy status	1.2	1.0	0.6	0.5
Value	1.2	1.0	0.5	0.5
Gross rent	1.2	1.1	0.5	0.5
Household income in 1989	1.2	1.0	0.5	0.5
Year structure built	1.2	1.0	0.5	0.5
Rooms, bedrooms	1.2	1.1	0.5	0.5
Kitchen facilities	1.4	1.1	0.5	0.5
Source of water, plumbing facilities	1.3	1.1	0.5	0.5
Sewage disposal	1.2	1.0	0.5	0.5
House heating fuel	1.3	1.1	0.5	0.5
Telephone in housing unit	1.2	1.1	0.6	0.5
Vehicles available	1.3	1.1	0.6	0.5
Year householder moved into structure	1.2	1.1	0.5	0.5
Mortgage status and monthly mortgage costs	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Rhode Island

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.2	0.9	0.6	0.5
Household type and relationship.....	1.3	1.0	0.6	0.5
Children ever born.....	2.6	2.2	0.6	0.5
Work disability and mobility limitation status.....	1.2	1.1	0.6	0.5
Ancestry.....	2.0	1.6	0.6	0.5
Place of birth.....	2.1	1.8	0.6	0.5
Citizenship.....	1.8	1.6	0.6	0.5
Residence in 1985.....	2.1	1.9	0.6	0.5
Year of entry.....	1.5	1.2	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.4	0.6	0.5
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.8	1.5	0.6	0.5
Type of residence (urban/rural).....	2.1	1.9	0.6	0.5
Household type.....	1.3	1.0	0.6	0.5
Family type.....	1.2	1.1	0.6	0.5
Group quarters.....	0.9	0.7	0.6	0.5
Subfamily type and presence of children.....	1.2	1.0	0.6	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.1	0.6	0.5
Class of worker.....	1.5	1.3	0.6	0.5
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.2	0.6	0.5
Place of work.....	1.5	1.2	0.6	0.5
Means of transportation to work.....	1.5	1.3	0.6	0.5
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.3	0.6	0.5
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.1	0.6	0.5
Family income in 1989.....	1.2	1.1	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.3	0.6	0.5
Poverty status in 1989 (families).....	1.2	1.1	0.6	0.5
Armed Forces and veteran status.....	1.5	1.2	0.6	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.0	0.9	0.6	0.5
Condominium status.....	1.2	1.1	0.6	0.5
Units in structure.....	1.2	1.1	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.3	1.1	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.1	0.6	0.5
Kitchen facilities.....	1.2	1.0	0.6	0.5
Source of water, plumbing facilities.....	1.4	1.2	0.6	0.5
Sewage disposal.....	1.2	1.1	0.6	0.5
House heating fuel.....	1.3	1.1	0.6	0.5
Telephone in housing unit.....	1.3	1.1	0.6	0.5
Vehicles available.....	1.4	1.2	0.6	0.5
Year householder moved into structure.....	1.2	1.1	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.6	0.5

Table C. Standard Error Design Factors—South Carolina

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	1.0	0.5	0.5
Household type and relationship.....	1.3	1.1	0.6	0.5
Children ever born.....	2.7	2.5	1.4	1.4
Work disability and mobility limitation status.....	1.2	1.1	0.6	0.5
Ancestry.....	2.4	2.1	1.2	1.0
Place of birth.....	2.4	2.2	1.3	1.2
Citizenship.....	1.9	1.6	0.9	0.8
Residence in 1985.....	2.1	1.9	1.0	0.9
Year of entry.....	1.3	1.1	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.5	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.5	0.8	0.7
Type of residence (urban/rural).....	2.1	1.9	1.2	0.9
Household type.....	1.3	1.1	0.6	0.5
Family type.....	1.2	1.1	0.6	0.5
Group quarters.....	0.9	0.9	0.9	0.9
Subfamily type and presence of children.....	1.2	1.0	0.6	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.1	0.6	0.5
Class of worker.....	1.5	1.3	0.7	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.5	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.5	1.3	0.7	0.6
Means of transportation to work.....	1.5	1.3	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.6
Household income in 1989.....	1.2	1.0	0.5	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.7	1.5	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.5	1.3	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	1.0	0.6	0.6
Condominium status.....	1.2	1.1	0.5	0.5
Units in structure.....	1.2	1.1	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.2	1.1	0.5	0.5
Household income in 1989.....	1.2	1.1	0.5	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.1	0.5	0.5
Kitchen facilities.....	1.2	1.0	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.5	0.5
Sewage disposal.....	1.2	1.1	0.5	0.5
House heating fuel.....	1.2	1.1	0.6	0.5
Telephone in housing unit.....	1.3	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.5	0.5
Year householder moved into structure.....	1.2	1.1	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—South Dakota

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.6	0.5
Household type and relationship.....	1.3	1.1	0.7	0.5
Children ever born.....	2.7	2.4	1.8	1.6
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	1.9	1.7	1.1	0.8
Place of birth.....	2.2	2.0	1.5	1.1
Citizenship.....	1.7	1.4	1.0	0.7
Residence in 1985.....	2.0	1.9	1.3	0.9
Year of entry.....	1.4	1.1	0.6	0.5
Language spoken at home and ability to speak English.....	1.6	1.3	0.9	0.7
Educational attainment.....	1.3	1.1	0.7	0.5
School enrollment.....	1.6	1.4	1.0	0.7
Type of residence (urban/rural).....	3.4	2.3	1.5	1.1
Household type.....	1.3	1.1	0.7	0.5
Family type.....	1.2	1.0	0.6	0.5
Group quarters.....	1.0	1.0	0.8	0.7
Subfamily type and presence of children.....	1.2	0.9	0.5	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.0	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.1	0.7	0.5
Hours per week and weeks worked in 1989.....	1.2	0.9	0.6	0.5
Number of workers in family.....	1.4	1.1	0.7	0.5
Place of work.....	1.5	1.2	0.8	0.6
Means of transportation to work.....	1.5	1.2	0.8	0.6
Travel time to work.....	1.3	1.1	0.7	0.5
Private vehicle occupancy.....	1.5	1.2	0.8	0.6
Time leaving home to go to work.....	1.3	1.0	0.7	0.5
Type of income in 1989.....	1.4	1.1	0.7	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.9	0.6
Poverty status in 1989 (families).....	1.2	0.9	0.6	0.5
Armed Forces and veteran status.....	1.4	1.1	0.8	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.3	0.9	0.6	0.5
Condominium status.....	1.2	1.0	0.6	0.5
Units in structure.....	1.1	1.0	0.7	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.0	0.6	0.5
Kitchen facilities.....	1.4	1.3	0.7	0.5
Source of water, plumbing facilities.....	1.4	1.1	0.7	0.5
Sewage disposal.....	1.2	1.0	0.6	0.4
House heating fuel.....	1.3	1.0	0.6	0.5
Telephone in housing unit.....	1.2	1.0	0.7	0.5
Vehicles available.....	1.3	1.1	0.7	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.1	0.9	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.1	0.9	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	0.9	0.6	0.5

Table C. Standard Error Design Factors—Tennessee

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.5	0.4
Household type and relationship.....	1.2	1.0	0.6	0.5
Children ever born.....	2.6	2.4	1.5	1.3
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	2.2	2.0	1.1	1.0
Place of birth.....	2.3	2.1	1.2	1.0
Citizenship.....	1.8	1.6	0.9	0.7
Residence in 1985.....	2.0	1.8	1.0	0.9
Year of entry.....	1.4	1.1	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.5	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.5	0.9	0.7
Type of residence (urban/rural).....	2.5	2.5	1.3	0.8
Household type.....	1.2	1.0	0.6	0.5
Family type.....	1.2	1.1	0.6	0.5
Group quarters.....	1.0	0.9	0.8	0.8
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.2	0.7	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.5	1.3	0.7	0.6
Means of transportation to work.....	1.5	1.3	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.3	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.7	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.7	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.4	1.2	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	1.0	0.6	0.5
Condominium status.....	1.2	1.1	0.5	0.5
Units in structure.....	1.2	1.1	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.2	1.1	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.1	0.6	0.5
Kitchen facilities.....	1.2	1.0	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.7	0.6
Sewage disposal.....	1.2	1.1	0.6	0.5
House heating fuel.....	1.2	1.1	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Texas

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.2	1.0	0.5	0.4
Household type and relationship.....	1.3	1.1	0.6	0.5
Children ever born.....	2.6	2.4	1.5	1.3
Work disability and mobility limitation status.....	1.2	1.1	0.6	0.5
Ancestry.....	2.4	2.0	1.1	0.9
Place of birth.....	2.3	2.1	1.3	1.1
Citizenship.....	1.8	1.5	0.9	0.7
Residence in 1985.....	2.1	1.9	1.1	0.9
Year of entry.....	1.5	1.2	0.7	0.6
Language spoken at home and ability to speak English.....	1.6	1.4	0.8	0.6
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.8	1.5	0.9	0.7
Type of residence (urban/rural).....	2.5	2.5	1.5	1.3
Household type.....	1.3	1.1	0.6	0.5
Family type.....	1.2	1.1	0.6	0.5
Group quarters.....	1.0	1.0	0.9	0.8
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.3	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.1	0.6	0.5
Class of worker.....	1.5	1.2	0.7	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.4	1.2	0.6	0.5
Place of work.....	1.5	1.3	0.7	0.6
Means of transportation to work.....	1.5	1.2	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.5	1.2	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.8	1.5	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.5	1.3	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	1.0	0.6	0.5
Condominium status.....	1.2	1.1	0.6	0.5
Units in structure.....	1.2	1.1	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.1	0.6	0.5
Household income in 1989.....	1.2	1.1	0.6	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.1	0.6	0.5
Kitchen facilities.....	1.3	1.1	0.6	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.6	0.5
Sewage disposal.....	1.2	1.0	0.5	0.5
House heating fuel.....	1.2	1.1	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.1	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Utah
 [Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.6	0.4
Household type and relationship.....	1.4	1.2	0.8	0.6
Children ever born.....	2.7	2.4	1.7	1.3
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	2.1	1.9	1.2	1.0
Place of birth.....	2.3	2.1	1.5	1.3
Citizenship.....	1.7	1.5	1.0	0.7
Residence in 1985.....	2.2	2.0	1.3	1.1
Year of entry.....	1.4	1.2	0.6	0.5
Language spoken at home and ability to speak English.....	1.6	1.4	0.9	0.7
Educational attainment.....	1.3	1.1	0.7	0.5
School enrollment.....	1.6	1.4	0.9	0.7
Type of residence (urban/rural).....	2.5	2.5	2.2	1.7
Household type.....	1.4	1.2	0.8	0.6
Family type.....	1.2	1.1	0.6	0.5
Group quarters.....	1.0	0.8	0.8	0.8
Subfamily type and presence of children.....	1.2	1.0	0.5	0.4
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.2	0.7	0.5
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.1	0.7	0.5
Place of work.....	1.4	1.2	0.8	0.6
Means of transportation to work.....	1.4	1.2	0.8	0.6
Travel time to work.....	1.3	1.1	0.7	0.5
Private vehicle occupancy.....	1.4	1.2	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.7	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.7	1.5	0.9	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.4	1.1	0.7	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.2	0.9	0.6	0.5
Condominium status.....	1.2	1.1	0.6	0.5
Units in structure.....	1.1	1.0	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.0	0.6	0.5
Kitchen facilities.....	1.2	1.0	0.7	0.6
Source of water, plumbing facilities.....	1.4	1.2	0.6	0.6
Sewage disposal.....	1.2	1.0	0.5	0.5
House heating fuel.....	1.4	1.2	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.1	1.0	0.6	0.5

Table C. Standard Error Design Factors—Vermont

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.6	0.5
Household type and relationship.....	1.2	1.0	0.6	0.5
Children ever born.....	2.5	2.2	1.3	1.2
Work disability and mobility limitation status.....	1.2	1.0	0.8	0.5
Ancestry.....	1.8	1.5	1.0	0.8
Place of birth.....	1.9	1.6	1.0	0.9
Citizenship.....	1.7	1.4	1.0	0.8
Residence in 1985.....	1.9	1.7	1.0	0.9
Year of entry.....	1.3	1.0	0.6	0.5
Language spoken at home and ability to speak English.....	1.6	1.3	0.9	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.6	1.4	1.0	0.8
Type of residence (urban/rural).....	1.7	1.7	1.4	1.4
Household type.....	1.2	1.0	0.6	0.5
Family type.....	1.1	1.0	0.6	0.5
Group quarters.....	1.0	1.1	0.9	0.8
Subfamily type and presence of children.....	1.1	0.9	0.5	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.2	1.0	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.2	0.7	0.6
Hours per week and weeks worked in 1989.....	1.1	1.0	0.6	0.5
Number of workers in family.....	1.3	1.1	0.7	0.6
Place of work.....	1.4	1.2	0.8	0.6
Means of transportation to work.....	1.4	1.2	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.4	1.2	0.7	0.6
Time leaving home to go to work.....	1.2	1.0	0.6	0.5
Type of income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989.....	1.1	1.0	0.6	0.5
Family income in 1989.....	1.1	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.5	1.2	0.7	0.7
Poverty status in 1989 (families).....	1.1	0.9	0.5	0.5
Armed Forces and veteran status.....	1.4	1.1	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	0.9	0.9	0.5	0.5
Condominium status.....	1.1	1.0	0.5	0.5
Units in structure.....	1.1	1.0	0.5	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.1	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.1	1.0	0.6	0.5
Year structure built.....	1.1	1.0	0.5	0.5
Rooms, bedrooms.....	1.1	1.0	0.6	0.5
Kitchen facilities.....	1.1	0.9	0.6	0.6
Source of water, plumbing facilities.....	1.3	1.1	0.6	0.5
Sewage disposal.....	1.1	1.0	0.5	0.5
House heating fuel.....	1.2	1.0	0.6	0.5
Telephone in housing unit.....	1.2	1.0	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.1	0.9	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.1	0.9	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.1	0.9	0.5	0.5

Table C. Standard Error Design Factors—Virginia

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.6	0.4
Household type and relationship.....	1.2	1.0	0.6	0.5
Children ever born.....	2.5	2.3	1.4	1.3
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	2.1	1.9	1.1	1.0
Place of birth.....	2.0	1.8	1.1	1.0
Citizenship.....	1.8	1.5	0.9	0.7
Residence in 1985.....	2.0	1.8	1.0	0.8
Year of entry.....	1.5	1.2	0.7	0.5
Language spoken at home and ability to speak English.....	1.7	1.4	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.5	0.9	0.7
Type of residence (urban/rural).....	2.5	2.5	1.9	1.2
Household type.....	1.2	1.0	0.6	0.5
Family type.....	1.2	1.1	0.6	0.5
Group quarters.....	1.0	0.9	0.8	0.8
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.2	0.7	0.6
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.4	1.2	0.6	0.5
Place of work.....	1.5	1.3	0.7	0.6
Means of transportation to work.....	1.4	1.2	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.4	1.2	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.7	0.6
Poverty status in 1989 (families).....	1.2	1.0	0.5	0.5
Armed Forces and veteran status.....	1.4	1.2	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.1	1.0	0.6	0.6
Condominium status.....	1.2	1.0	0.6	0.5
Units in structure.....	1.1	1.0	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.0	0.6	0.5
Kitchen facilities.....	1.2	1.1	0.6	0.4
Source of water, plumbing facilities.....	1.3	1.1	0.6	0.5
Sewage disposal.....	1.2	1.0	0.6	0.6
House heating fuel.....	1.2	1.0	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Washington

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.5	0.4
Household type and relationship.....	1.2	1.1	0.6	0.5
Children ever born.....	2.5	2.2	1.3	1.2
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	1.9	1.6	1.0	0.8
Place of birth.....	1.8	1.6	0.9	0.8
Citizenship.....	1.7	1.4	0.8	0.7
Residence in 1985.....	2.0	1.7	1.0	0.9
Year of entry.....	1.5	1.2	0.7	0.6
Language spoken at home and ability to speak English.....	1.6	1.4	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.6	1.4	0.8	0.7
Type of residence (urban/ rural).....	2.3	2.3	1.5	1.1
Household type.....	1.2	1.1	0.6	0.5
Family type.....	1.2	1.1	0.6	0.5
Group quarters.....	1.0	0.9	0.7	0.7
Subfamily type and presence of children.....	1.2	1.0	0.6	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.2	0.7	0.5
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.4	1.2	0.7	0.6
Means of transportation to work.....	1.4	1.2	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.4	1.2	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.3	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.4	1.1	0.6	0.5
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/ rural).....	1.1	1.0	0.6	0.5
Condominium status.....	1.2	1.0	0.6	0.5
Units in structure.....	1.2	1.0	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.0	0.6	0.5
Kitchen facilities.....	1.2	1.0	0.8	0.5
Source of water, plumbing facilities.....	1.4	1.1	0.6	0.5
Sewage disposal.....	1.2	1.0	0.5	0.4
House heating fuel.....	1.2	1.1	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.3	1.1	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.6	0.5

Table C. Standard Error Design Factors—West Virginia

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.6	0.4
Household type and relationship.....	1.2	1.0	0.6	0.5
Children ever born.....	2.8	2.6	1.7	1.3
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	2.1	1.9	1.1	0.9
Place of birth.....	2.5	2.3	1.4	1.1
Citizenship.....	1.8	1.6	1.0	0.8
Residence in 1989.....	2.2	1.9	1.1	0.9
Year of entry.....	1.3	1.0	0.6	0.5
Language spoken at home and ability to speak English.....	1.7	1.4	0.8	0.7
Educational attainment.....	1.3	1.1	0.6	0.5
School enrollment.....	1.7	1.5	0.9	0.7
Type of residence (urban/ rural).....	2.1	1.9	0.9	0.7
Household type.....	1.2	1.0	0.6	0.5
Family type.....	1.2	1.0	0.6	0.5
Group quarters.....	1.0	0.9	0.6	0.5
Subfamily type and presence of children.....	1.2	1.0	0.6	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.4	1.1	0.7	0.5
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.3	1.1	0.6	0.5
Place of work.....	1.4	1.2	0.7	0.6
Means of transportation to work.....	1.4	1.2	0.7	0.6
Travel time to work.....	1.3	1.1	0.6	0.5
Private vehicle occupancy.....	1.4	1.2	0.7	0.6
Time leaving home to go to work.....	1.2	1.1	0.6	0.5
Type of income in 1989.....	1.4	1.1	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.4	1.2	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/ rural).....	1.1	1.0	0.7	0.6
Condominium status.....	1.2	1.0	0.6	0.5
Units in structure.....	1.2	1.1	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.6	0.5
Rooms, bedrooms.....	1.2	1.0	0.6	0.5
Kitchen facilities.....	1.2	1.2	1.2	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.7	0.6
Sewage disposal.....	1.1	1.0	0.5	0.5
House heating fuel.....	1.2	1.1	0.6	0.5
Telephone in housing unit.....	1.2	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.2	1.0	0.5	0.5

Table C. Standard Error Design Factors—Wisconsin
 [Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	0.9	0.5	0.4
Marital status.....	1.3	1.0	0.6	0.5
Household type and relationship.....	2.6	2.3	1.5	1.3
Children ever born.....	1.2	1.0	0.5	0.5
Work disability and mobility limitation status.....	1.9	1.6	0.9	0.8
Ancestry.....	2.3	2.2	1.2	1.1
Place of birth.....	1.7	1.4	0.9	0.7
Citizenship.....	2.0	1.7	1.0	0.9
Residence in 1985.....	1.4	1.1	0.6	0.5
Year of entry.....	1.6	1.4	0.8	0.7
Language spoken at home and ability to speak English.....	1.3	1.1	0.6	0.5
Educational attainment.....	1.6	1.4	0.9	0.7
School enrollment.....	2.0	2.0	1.4	1.2
Type of residence (urban/rural).....	1.3	1.0	0.6	0.5
Household type.....	1.2	1.0	0.5	0.5
Family type.....	0.9	0.8	0.7	0.7
Group quarters.....	1.2	1.0	0.5	0.5
Subfamily type and presence of children.....	1.2	1.0	0.5	0.5
Employment status.....	1.3	1.1	0.6	0.5
Industry.....	1.2	1.0	0.5	0.5
Occupation.....	1.4	1.2	0.6	0.6
Class of worker.....	1.2	1.0	0.5	0.6
Hours per week and weeks worked in 1989.....	1.3	1.1	0.6	0.5
Number of workers in family.....	1.5	1.2	0.7	0.6
Place of work.....	1.4	1.2	0.7	0.6
Means of transportation to work.....	1.3	1.1	0.6	0.5
Travel time to work.....	1.4	1.2	0.7	0.6
Private vehicle occupancy.....	1.3	1.1	0.6	0.5
Time leaving home to go to work.....	1.4	1.2	0.6	0.5
Type of income in 1989.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Family income in 1989.....	1.6	1.3	0.7	0.7
Poverty status in 1989 (persons).....	1.2	1.0	0.5	0.5
Poverty status in 1989 (families).....	1.4	1.1	0.7	0.5
Armed Forces and veteran status.....				
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.0	0.9	0.5	0.5
Type of residence (urban/rural).....	1.2	1.0	0.5	0.5
Condominium status.....	1.1	1.0	0.5	0.5
Units in structure.....	1.2	1.0	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.1	1.0	0.5	0.5
Value.....	1.2	1.0	0.5	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.2	1.0	0.5	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.1	0.5	0.5
Kitchen facilities.....	1.2	1.1	0.5	0.5
Source of water, plumbing facilities.....	1.1	0.9	0.5	0.5
Sewage disposal.....	1.3	1.1	0.5	0.5
House heating fuel.....	1.2	1.0	0.5	0.5
Telephone in housing unit.....	1.2	1.1	0.5	0.5
Vehicles available.....	1.2	1.0	0.5	0.5
Year householder moved into structure.....	1.2	1.0	0.5	0.5
Mortgage status and monthly mortgage costs.....	1.2	1.0	0.5	0.5
Mortgage status and selected monthly owner costs.....	1.2	1.0	0.5	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.5	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.1	1.0	0.5	0.5

Table C. Standard Error Design Factors—Wyoming

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age	1.2	1.0	0.6	0.5
Sex	1.2	1.0	0.6	0.5
Race	1.2	1.0	0.6	0.5
Hispanic origin (of any race)	1.2	1.0	0.6	0.5
Marital status	1.1	1.0	0.6	0.5
Household type and relationship	1.3	1.1	0.6	0.4
Children ever born	2.6	2.3	0.7	0.5
Work disability and mobility limitation status	1.2	1.0	1.5	1.2
Ancestry	1.9	1.7	0.6	0.5
Place of birth	1.8	1.6	1.0	0.8
Citizenship	1.7	1.6	1.0	0.7
Residence in 1985	1.7	1.6	0.9	0.7
Year of entry	2.1	1.9	1.2	0.9
Language spoken at home and ability to speak English	1.3	1.1	0.6	0.5
Educational attainment	1.6	1.4	0.9	0.6
School enrollment	1.3	1.1	0.7	0.5
Type of residence (urban/rural)	1.7	1.5	0.9	0.7
Household type	2.0	1.9	1.7	0.7
Family type	1.3	1.1	0.7	0.5
Group quarters	1.2	1.1	0.6	0.5
Subfamily type and presence of children	1.2	1.2	1.2	1.2
Employment status	1.2	1.0	0.6	0.4
Industry	1.2	1.0	0.6	0.5
Occupation	1.3	1.1	0.6	0.5
Class of worker	1.2	1.0	0.6	0.5
Hours per week and weeks worked in 1980	1.4	1.2	0.7	0.5
Number of workers in family	1.2	1.0	0.6	0.4
Place of work	1.4	1.2	0.7	0.5
Means of transportation to work	1.5	1.3	0.8	0.5
Travel time to work	1.4	1.2	0.7	0.5
Private vehicle occupancy	1.3	1.1	0.7	0.5
Time leaving home to go to work	1.4	1.2	0.7	0.5
Type of income in 1989	1.3	1.1	0.6	0.5
Household income in 1989	1.4	1.2	0.7	0.5
Family income in 1989	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons)	1.2	1.0	0.6	0.5
Poverty status in 1989 (families)	1.6	1.4	0.8	0.7
Armed Forces and veteran status	1.2	1.0	0.6	0.5
	1.3	1.2	0.7	0.5
HOUSING				
Age of householder	1.2	1.0	0.6	0.5
Race of householder	1.2	1.0	0.6	0.5
Hispanic origin of householder	1.2	1.0	0.6	0.5
Type of residence (urban/rural)	1.0	0.9	0.5	0.5
Condominium status	1.2	1.0	0.6	0.5
Units in structure	1.2	1.0	0.6	0.5
Tenure	1.2	1.0	0.6	0.5
Occupancy status	1.2	1.0	0.6	0.5
Value	1.2	1.0	0.6	0.5
Gross rent	1.2	1.0	0.6	0.5
Household income in 1989	1.2	1.0	0.6	0.5
Year structure built	1.2	1.0	0.6	0.5
Rooms, bedrooms	1.2	1.0	0.6	0.5
Kitchen facilities	1.2	1.2	0.5	0.5
Source of water, plumbing facilities	1.4	1.1	0.6	0.6
Sewage disposal	1.2	1.0	0.6	0.4
House heating fuel	1.3	1.0	0.6	0.5
Telephone in housing unit	1.3	1.1	0.6	0.5
Vehicles available	1.3	1.1	0.6	0.5
Year householder moved into structure	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs	1.2	1.0	0.6	0.5
Mortgage status and selected monthly owner costs	1.2	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989	1.3	1.0	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income	1.2	1.0	0.6	0.5



CENSUS OF POPULATION AND HOUSING, 1990: SUMMARY TAPE FILE 3

USER NOTE 13

Alaska: Some Alaska Native village statistical areas that have very small counts of American Indians, Eskimos, and Aleuts in the 100-percent data have zero estimates of American Indians, Eskimos, and Aleuts based on sample tabulations shown in this data product. This occurs because there is a statistical chance that a small population will not appear in a sample.

The Alaska Native village statistical areas affected are: Alexander, Ekuk, Napaimute, Portage Creek, Telida, and Wiseman.

California: Some American Indian areas that have very small counts of American Indians, Eskimos, and Aleuts in the 100-percent data have zero estimates of American Indians, Eskimos, and Aleuts based on sample tabulations shown in this data product. This occurs because there is a statistical chance that a small population will not appear in a sample.

The American Indian areas affected are: Berry Creek Rancheria, Chicken Ranch Rancheria, Enterprise Rancheria, Greenville Rancheria, La Posta Reservation, Picayune Rancheria, Pit River Trust Lands, Quartz Valley Rancheria, Redwood Valley Rancheria, and Rohnerville Rancheria.

Connecticut: Some American Indian areas that have very small counts of American Indians, Eskimos, and Aleuts in the 100-percent data have zero estimates of American Indians, Eskimos, and Aleuts based on sample tabulations shown in this data product. This occurs because there is a statistical chance that a small population will not appear in a sample.

The American Indian area affected is: Golden Hill Reservation.

Maine: Some American Indian areas that have very small counts of American Indians, Eskimos, and Aleuts in the 100-percent data have zero estimates of American

Indians, Eskimos, and Aleuts based on sample tabulations shown in this data product. This occurs because there is a statistical chance that a small population will not appear in a sample.

The American Indian area affected is: Passamaquoddy Trust Lands.

Massachusetts: Some American Indian areas that have very small counts of American Indians, Eskimos, and Aleuts in the 100-percent data have zero estimates of American Indians, Eskimos, and Aleuts based on sample tabulations shown in this data product. This occurs because there is a statistical chance that a small population will not appear in a sample.

The American Indian area affected is: Hassanamisco Reservation.

Montana: Some American Indian areas that have very small counts of American Indians, Eskimos, and Aleuts in the 100-percent data have zero estimates of American Indians, Eskimos, and Aleuts based on sample tabulations shown in this data product. This occurs because there is a statistical chance that a small population will not appear in a sample.

The American Indian area affected is: Crow/Northern Cheyenne Area.

New York: Onondaga Reservation—The data based on sample tabulations show zero estimates of American Indians, Eskimos, and Aleuts for the Onondaga Reservation. We believe the 1990 sample estimate for the total population shown for the Onondaga Reservation in this data product is reasonable. Most of the population on the reservation should be classified as American Indian. The Onondaga Nation did not allow the Bureau of the Census to complete the census enumeration on the reservation. However, a problem with the processing of the incomplete records for the

Onondaga Reservation, obtained using our 1990 census "last resort" procedures, resulted in the misclassification of race.

Tuscarora Reservation—The estimates for the total population and for American Indians, Eskimos, and Aleuts based on sample tabulations for the Tuscarora Reservation should be used with caution. We believe the 1990 sample estimate for the total population shown in this data product is reasonable. Most of the population on the reservation should be classified as American Indian. After a partial enumeration of the reservation, Tuscarora Nation did not allow the Bureau of the Census to complete the census enumeration. However, the processing of the incomplete records for the Tuscarora Reservation, obtained using our 1990 census "last resort" procedures, resulted in the misclassification of race.

Oregon: Some American Indian areas that have very small counts of American Indians, Eskimos, and Aleuts in the 100-percent data have zero estimates of American Indians, Eskimos, and Aleuts based on sample tabulations shown in this data product. This occurs because there is a statistical chance that a small population will not appear in a sample.

The American Indian area affected is: Coos, Lower Umpqua, and Siuslaw Reservation.

November 1992



**CENSUS OF POPULATION AND HOUSING, 1990:
SUMMARY TAPE FILE 3**

USER NOTE 14

As Summary Tape File 3B ZIP Code data are released, some minor changes need to be made in the STF 3 technical documentation. The attached revised pages from various chapters should be filed in their proper place in the technical documentation. This cover sheet should be filed in the User Notes chapter.

The File Availability section of the Abstract chapter has been revised to indicate that STF 3B will be sold as one file for the United States, and by specific ZIP Code. Since the file is in ZIP Code order, you may purchase only the tape(s) containing the ZIP Code(s) you need. For pricing information, contact Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. Phone: 301-763-4100. FAX: 301-763-4794.

The Data Set Name (DSN) is STF3BXUS.F01xxxx. This follows the same naming convention mentioned in the How to Use This File chapter; page 2-2, Internal File Labels section, has been clarified to describe this DSN. Remember that for STF 3B files only, Special Area Code 1 is used for the 5-digit ZIP Code, as mentioned on page 2-3.

Summary level 810 has been deleted from STF 3B. This change has been made in the Summary Level Sequence Chart and Chart 2, File Identification by Summary Level, at the end of the How to Use This File chapter. Only summary levels 800 (ZIP Code) and 820 (ZIP Code—State—County) are used for Summary Tape File 3B.

February 1993



CENSUS OF POPULATION AND HOUSING, 1990:
SUMMARY TAPE FILE 3

USER NOTE 15

Poverty Status in 1989—A minor error has been detected in the determination of poverty status for persons and families in the 1990 census. For families with a householder or spouse under the age of 18, an incorrect poverty threshold was used to determine

poverty status. This resulted in the misclassification of 720 families in the United States and 6 families in both Puerto Rico and the U.S. Virgin Islands as either poor or not poor. Due to the small number of families affected, no correction has been applied. Weighted estimates of affected cases are listed below by State.

Families misclassified as:	Poor	Not Poor	Net difference in number poor
United States, excluding Puerto Rico and the Virgin Islands	388	332	-56
Alabama	11	2	-9
Alaska	7	0	-7
Arizona	15	0	-15
Arkansas	0	0	0
California	62	75	13
Colorado	9	0	-9
Connecticut	0	7	7
Delaware	0	0	0
District of Columbia	0	0	0
Florida	22	21	-1
Georgia	25	0	-25
Hawaii	0	0	0
Idaho	12	0	-12
Illinois	3	0	-3
Indiana	4	0	-4
Iowa	6	0	-6
Kansas	0	9	9
Kentucky	25	22	-3
Louisiana	17	11	-6
Maine	0	0	0
Maryland	0	3	3
Massachusetts	0	25	25
Michigan	7	2	-5
Minnesota	0	0	0
Mississippi	4	0	-4
Missouri	5	0	-5
Montana	3	0	-3
Nebraska	0	0	0
Nevada	0	0	0

Families misclassified as:	Poor	Not Poor	Net difference in number poor
New Hampshire	0	0	0
New Jersey	0	15	15
New Mexico	0	0	0
New York	4	49	45
North Carolina	0	22	22
North Dakota	0	0	0
Ohio	0	13	13
Oklahoma	6	15	9
Oregon	0	0	0
Pennsylvania	30	0	-30
Rhode Island	0	0	0
South Carolina	10	0	-10
South Dakota	0	0	0
Tennessee	2	3	1
Texas	65	18	-47
Utah	0	18	18
Vermont	0	0	0
Virginia	8	2	-6
Washington	7	0	-7
West Virginia	5	0	-5
Wisconsin	6	0	-6
Wyoming	8	0	-8
Puerto Rico	0	5	5
Virgin Islands	0	1	1

March 1993

STF 3B

<u>Summary level area</u>	<u>Summary level code</u>	<u>Geographic component code</u>
ZIP Code	800	00
ZIP Code—State—County	820	00

STF 3C

<u>Summary level area</u>	<u>Summary level code</u>	<u>Geographic component code</u>
United States	010	00 01-11 20-28 30-36 40 42-44
Region	020	00 01-11 20-28 30-36 40 42-44
Division	030	00 01-11 20-28 30-36 40 42-44
State	040	00 01-11 20-28 30-36 40 42-44
State—County	050	00
State [12 States only—CT, ME, MA, MI, MN, NH, NJ, NY, PA, RI, VT, WI]—County Subdivision [10,000 or more persons]	061	00
State [6 States only—CT, ME, MA, NH, RI, VT]—County Subdivision [under 10,000 persons and in an MSA/CMSA]	062	00
State—Place [10,000 or more persons]	161	00
State—Consolidated City	170	00
American Indian Reservation with Trust Lands	200	00
American Indian Reservation with Trust Lands; reservation only	201	00
American Indian Reservation with Trust Lands; reservation only—State	205	00
American Indian Reservation [reservation with or without trust lands; reservation only]/Tribal Jurisdiction Statistical Area/Tribal Designated Statistical Area/Alaska Native Village Statistical Area—State—County	220	00
American Indian Reservation with Trust Lands; trust lands only	202	00
American Indian Reservation with Trust Lands; trust lands only—State	206	00
American Indian Trust Lands [trust lands with or without reservation; trust lands only]—State—County	221	00
American Indian Reservation with no Trust Lands/Tribal Jurisdiction Statistical Area/Tribal Designated Statistical Area/Alaska Native Village Statistical Area	203	00

ABSTRACT

The user should note that there are limitations to many of these data. Please refer to the technical documentation provided with Summary Tape File 3 for a further explanation on the limitations of the data.

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CITATION

Census of Population and Housing, 1990: Summary Tape File 3 [machine-readable data files] / prepared by the Bureau of the Census. Washington: The Bureau [producer and distributor], 1991.

TYPE OF FILE

Summary statistics.

UNIVERSE DESCRIPTION

All persons and housing units in the United States.

SUBJECT MATTER DESCRIPTION

Summary Tape File 3 (STF 3) contains sample data weighted to represent the total population. In addition, the file contains 100-percent counts and unweighted sample counts for total persons and total housing units. Other population and housing items are listed below. Please see the List of Tables chapter for a complete listing.

Population items include:

Age	Household type and relationship
Ancestry	Income in 1989
Citizenship	Industry
Class of worker	Language spoken at home
Educational attainment	Marital status
Employment status	Means of transportation to work
Family type	Mobility limitation status
Farm and nonfarm population	Occupation
Foreign-born status	Place of birth
Group quarters	Place of work
Hispanic origin	

Poverty status in 1989

Private vehicle occupancy

Race

Residence in 1985

School enrollment

Self-care limitation status

Housing items include:

Age of householder

Bedrooms

Condominium status

Farm and nonfarm housing

Heating fuel

Hispanic origin of householder

Housing units

Kitchen facilities

Meals included in rent

Mortgage status

Occupancy status

Plumbing facilities

Race of householder

Rent

Sex

Travel time to work

Urban and rural population

Veteran/military status

Work disability status

Work status in 1989

Workers in family in 1989

Rooms

Selected monthly owner costs

Sewage disposal

Telephone availability

Tenure

Units in structure

Urban and rural housing

Utilities in rent

Value of housing unit

Vehicles available

Water source

Year householder moved into unit

Year structure built

Selected aggregates and medians also are provided. Data are presented in 178 population tables (matrices) and 99 housing tables (matrices).

GEOGRAPHIC COVERAGE

Summary Tape File 3 is released as file 3A, file 3B, file 3C, and file 3D. The record layout is identical for all four files but the geographic coverage differs.

This abstract lists only the most frequently accessed geographic levels. The Summary Level Sequence Charts chapter outlines the hierarchical and inventory summaries in their entirety.

STF 3A provides data for States and their subareas in hierarchical sequence down to the block group level. This hierarchy is shown below:

State
 County
 County subdivision
 Place (or place part)
 Census tract/block numbering area (BNA)
 (or part)
 Block group (or part)

State portion of American Indian and Alaska Native area (with trust lands and with no trust lands)

County portion of American Indian and Alaska Native area

Alaska Native Regional Corporation

State portion of Metropolitan Statistical Area (MSA)/ Consolidated Metropolitan Statistical Area (CMSA)/ Primary Metropolitan Statistical Area (PMSA)

State portion of urbanized areas (UA)

File 3A also has inventory (complete) summaries for the following geographic areas:

Census tract/block numbering area (BNA)

Block group

Place

Consolidated city

STF 3B provides ZIP Code data for the 5-digit ZIP Codes within each State including county portions of the ZIP Codes. The hierarchy for the file is shown below:

ZIP Code

State

County

STF 3C provides summaries for the entire United States. The file structure is as follows:

United States

Region

Division

State

County

County subdivision with 10,000 or more persons (12 States)

County subdivision with fewer than 10,000 persons and in an MSA/CMSA (6 States)

Place with 10,000 or more persons

Consolidated city

American Indian/Alaska Native areas (with trust lands and with no trust lands)

Alaska Native Regional Corporation

Metropolitan Statistical Area (MSA)/Consolidated

Metropolitan Statistical Area (CMSA)/Primary

Metropolitan Statistical Area (PMSA)

Urbanized area (UA)

File 3D provides data by State for the Congressional Districts of the 103rd Congress. The hierarchy for STF 3D is shown as follows:

State

Congressional District (103rd Congress)

County (or part)

County subdivision with 10,000 or more persons (or part) (12 States)

Place with 10,000 or more persons (or part)

Consolidated city with 10,000 or more persons (or part)

American Indian reservation/Alaska Native area (with trust lands and with no trust lands) (or part)

Alaska Native Regional Corporation (or part)

RELATED PRODUCTS

Listed below are the 1990 census printed reports containing sample data from STF 3 and STF 4. These reports will be available from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. An order form follows this abstract.

1990 CPH-3, *Population and Housing Characteristics for Census Tracts and Block Numbering Areas*. One report will be published for each metropolitan area (MA) and one for the non-metropolitan balance of each State, Puerto Rico and the U.S. Virgin Islands showing data for most of the population and housing subjects included in the 1990 census. Some tables will be based on the 100-percent tabulations, others on the sample tabulations. Scheduled for release in 1992-93.

1990 CPH-4, *Population and Housing Characteristics for Congressional Districts of the 103rd Congress*. A report for each State and the District of Columbia which provides both 100-percent and sample data for States, congressional districts and, within congressional districts, counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in 12 States, and American Indian and Alaska Native areas. Scheduled for release in 1993.

1990 CPH-5, *Summary Social, Economic, and Housing Characteristics*. These reports, issued for the United States, States, District of Columbia, Puerto Rico, and the U.S. Virgin Islands, provide sample population and housing data for States and local governmental units (i.e., counties, places, towns, and townships), other county subdivisions, and American Indian and Alaska Native areas. Scheduled for release in 1992-93.

1990 CP-2, *Social and Economic Characteristics*. These reports are issued for the United States, States, District of Columbia, Puerto Rico, and the U.S. Virgin Islands. They focus on the population subjects collected on a sample basis in 1990. Data are shown for 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 each State portion of American Indian areas. Scheduled for release in 1993.

1990 CP-2-1A, *Social and Economic Characteristics for American Indian and Alaska Native Areas*. Data are shown for American Indian and Alaska Native areas. Scheduled for release in 1993.

1990 CP-2-1B, *Social and Economic Characteristics for Metropolitan Areas*. Data are shown for MA's. Scheduled for release in 1993.

1990 CP-2-1C, *Social and Economic Characteristics for Urbanized Areas*. Data are shown for urbanized areas (UA's). Scheduled for release in 1993.

1990 CP-3, *Population Subject Reports*. Thirty reports are planned covering population subjects and subgroups. These include migration, income, and the older population. Geographic areas generally will include the United States, regions, and divisions; some reports may include data for highly populated areas, such as States, MA's, counties and large places. Scheduled for release in 1993.

1990 CH-2, *Detailed Housing Characteristics*. These reports, issued for the United States, States, District of Columbia, Puerto Rico, and the U.S. Virgin Islands, focus on the housing subjects collected on a sample basis in 1990. Data are shown for 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. Scheduled for release in 1993.

1990 CH-2-1A, *Detailed Housing Characteristics for American Indian and Alaska Native Areas*. Data are shown for American Indian and Alaska Native areas. Scheduled for release in 1993.

1990 CH-2-1B, *Detailed Housing Characteristics for Metropolitan Areas*. Data are shown for MA's. Scheduled for release in 1993.

1990 CH-2-1C, *Detailed Housing Characteristics for Urbanized Areas*. Data are shown for UA's. Scheduled for release in 1993.

1990 CH-3, *Housing Subject Reports*. Ten housing subject reports are planned covering 1990 census items such as structural characteristics and space utilization. Geographic areas generally include the United States, regions, and divisions; some reports may include data for other highly populated geographic areas such as States, MA's, counties, and large places. Scheduled for release in 1993.

STF 3 data will also be released in other media. STF 3A will be available both on microfiche and CD-ROM. STF 3B and STF 3C will both be available as CD-ROM products. Each of these products will include all tables and geography available on the equivalent tape file.

RELATED REFERENCE MATERIALS

1990 *Census of Population and Housing Tabulation and Publication Program*. This booklet provides descriptions of the data products available from the 1990 census. Available without charge from Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. Phone: 301-763-4100. FAX: 301-763-4794.

Census '90 Basics. This booklet provides a general overview of the census activity and detailed information on census content, geographic areas, and products. Available without charge from Customer Services (see above).

Census ABC's—Applications in Business and Community. This booklet highlights key information about the 1990 census and illustrates a variety of ways the data can be used. Available without charge from Customer Services (see above).

1990 CPH-R-1A, *1990 Census of Population and Housing Guide, Part A. Text*. This provides detailed information about all aspects of the census. Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. GPO S/N 003-024-08574-7. Price: \$11.

1990 CPH-R-1B, *1990 Census of Population and Housing Guide, Part B. Glossary*. This is available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. GPO S/N 003-024-08679-4. Price: \$5.50. Part C, Index, provides an index of Summary Tape Files 1-4 and will be available in the spring of 1993.

TECHNICAL DESCRIPTION

STF 3 data files have a record size of 31,700 characters divided into four record segments of 7,925 characters each. The first 300 characters of each segment contain geographic information.

FILE AVAILABILITY

STF 3A and 3D files are provided for each State and the District of Columbia and are released on a State-by-State basis. The STF 3B and 3C files are available as single files for the entire United States. All files and pricing information are available from Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. (See above for phone and FAX information.) A machine-readable data dictionary is included on the tape without charge. Options include 6250 or 1600 bpi, ASCII or EBCDIC, labeled or unlabeled. The files are also available on tape cartridges (IBM 3480 compatible) for the same price. When ordering, please use the order form at the end of this chapter.

Files for the individual States are priced according to the number of megabytes of data they contain. The minimum charge for a computer tape or tape cartridge order is \$175 for one or more State files within a single file series (STF 3A, STF 3B, etc.). Please note that multiple-State orders will be filled only when all of the requested States become available.

HOW TO USE THIS FILE

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This chapter serves as a guide for data users to both the tape and the technical documentation. Novice users trying to understand how to use the documentation and the file should read this chapter first.

DOCUMENTATION CHAPTERS

The Abstract chapter in this documentation provides a quick overview of the file, including the formal title, geographic coverage, subject coverage, and file availability. Also shown are citations for related reference materials and printed reports. Their titles and geography are included in this section, along with purchasing information.

The Subject Locator is an aid to finding which tables provide the information needed. The List of Tables (Matrices) and the Table (Matrix) Outlines provide two types of presentations for the tables available in the file. The List of Tables (Matrices) has the table titles and universes.

The Table (Matrix) Outlines offer a detailed presentation of the tables. When reviewing the tables, remember that a colon (:) following an entry indicates the entry is a heading, not a data cell.

USER NOTES

Information about file or documentation changes sometimes becomes available after the documentation has been printed. User notes inform the user community about these changes. These are issued in a numbered series. If there are technical documentation changes, revised pages usually accompany them. The revised pages should be inserted in their proper location, but the user note cover sheet should be filed in the User Notes chapter. Technical notes, which contain

file errata, are also issued by the Census Bureau. We suggest filing these following appendix I.

DATA DICTIONARY

The data dictionary describes the file and provides character locations for each variable and each table. It has two elements, the identification section and the table (matrix) section.

In the identification section, the components include the field name; the data dictionary reference name, a short mnemonic for use with software packages; field size; starting position; and data type (alphabetic, numeric, or alphanumeric).

The identification section of the data dictionary is identical for all summary tape files. It provides a list of the geographic codes or refers the user to the appropriate source. Review the footnotes carefully; they provide explanations for various terms. These footnotes are listed at the end of the identification section of the data dictionary.

The table (matrix) section provides information on the table (matrix) number; table (matrix) description; number of implied decimals in each cell (if not 0); starting position within the record, within the segment, and for all cells within the first-level variable; and cell coordinates.

There also is a machine-readable data dictionary file on the data tape. This dictionary is designed to be converted for use with various software packages.

APPENDIXES

Detailed information on geographic areas is in appendix A followed by subject-matter definitions in appendix B. Appendix C provides detailed statistical information about the data while appendix D outlines the data collection and processing procedures. Facsimiles of both the respondent instructions and 1990 census long-form questionnaire are in appendix E.

Appendix F furnishes detailed information on all the data products of the 1990 census, as well as suggested sources of information and assistance. Map information is included in appendix G. The record layout for the machine-readable data dictionary file that accompanies each tape order is in appendix H.

Appendix I contains the code lists used in processing the data. These are especially helpful in determining the components included in categories such as race or group quarters. These codes are used in conjunction with the table (matrix) outlines and data dictionary chapters. In the file presentation included in those chapters, some cell entries are followed by numeric

codes in parentheses. These are the codes included in that cell. For example, in a table including race, the entries for Asian or Pacific Islander are:

STATE-SPECIFIC FILE INFORMATION

State-specific file information such as record

lander category.

COUNT CORRECTIONS

The Census Bureau issues population count corrections on an occasional basis. Count corrections for geography at the place level and above are available from Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. Count corrections for geography at the census tract/BNA level or below are available from Population Division, Bureau of the Census, Washington, DC 20233. When requesting these corrections, please include the desired census tract/BNA, block group, or block numbers.

INTERNAL FILE LABELS

System Labels

Tape orders which specify labeled tapes will have a standard American National Standards Institute (ANSI) label. The system label consists of 17 characters, but only the first 12 are active. The remaining five characters will be 'X' filled. The 1990 STF 3 files have a Data Set Name (DSN) of STF3Xss.Fnnrxxxx where t is A, B, C, or D depending on the file, ss is the United States Postal Service (USPS) State or United States abbreviation, and nn is a two-digit number with leading zeroes identifying the tape volume sequence. (The "X", "F", and "x" in the DSN remain constant.)

User Labels

Each user tape will have six user header labels and six user trailer labels. These labels combine information from the system label and the identification portion of the first and last record. These labels enable the user to quickly identify the beginning and ending records on each tape.

User Header Labels—The user header labels are designated UHL1 through UHL6. UHL1 and UHL2 repeat information from the system label in HDR1 and HDR2. UHL3 and UHL4 contain information from the identification portion of the first record on the tape. UHL5 through UHL6 contain a statement regarding the data.

User Trailer Labels—The user trailer labels are designated UTL1 through UTL6. UTL1 and UTL2 contain information from the system trailer label. UTL3 and subsequent user trailer labels contain identification information.

tion of UTL6 is blank filled.

creation sheet. This sheet provides the file name, file label (HDR1), the third user header label (UHL3), record size, block size, and record count. The third user header label for each reel identifies the geography for the first record on the reel. For example, the UHL3 at the beginning of each reel of a three-reel file for a State provides the geography for the first record. If the geography needed is on reel three, only reel three needs to be processed.

The tape creation sheet received with the tape should be filed in the technical documentation notebook or with other tape information maintained by the user.

RECORD SEGMENTATION

Logical records are divided into segments, each containing identification information and specific tables. The logical record has a record sequence number which is repeated in each segment. This is the logical record number which appears in position 19 of each segment. Following this, beginning in positions 25 and 29, are the logical record part number and the total number of parts in the record. By viewing these two fields together, the sequence of the segment and the total number of segments can be quickly determined. For example, 1 in the logical record part number field and 4 in the total number of parts in record field indicates that this is segment 1 of the 4 segments which comprise the logical record.

Each STF 3 logical record has a record size of 31,700 characters. The record is divided into 4 record segments of 7,925 characters with each segment having 300 characters of identification information followed by tables (matrices). The geographic information layout for each segment is identical to the identification information described for starting positions 1-300 of the data dictionary. The segmentation scheme is illustrated below.

Chart 1. Segmentation of STF3 Records

Segment 1		Segment 2	
Geographic Identification Information 300 characters	Tables P1-P38 7,925 chars including 2 characters filler	Geographic Identification Information 300 characters	Tables P38-P87 7,925 chars including 8 characters filler
Segment 3		Segment 4	
Geographic Identification Information 300 characters	Tables P87-P132 7,925 chars including 8 characters filler	Geographic Identification Information 300 characters	Tables P133-H92 7,925 chars including 35 characters filler

In all STF 3 files, table P38 is split across segments. There are 3 cells in the first segment and 5 cells in the second segment. The first segment has two characters of filler at the end of the segment, beginning in position 7924. Table P87 is split between segments 2 and 3. There are 105 cells of the table in segment 2 and 210 cells in segment 3. Segments 2 and 3 each have 8 characters of filler at the end, beginning in position 7918. Segment 4 has 35 filler characters at the end, beginning in position 7891.

RECORD IDENTIFICATION

Each record on a summary tape file is uniquely identified by a combination of geographic (for example, State, county, and county subdivision), summary level, and geographic component codes. For example, if you have a Maryland STF 3A file and want to look at the summary record for Prince George's County, three identification fields must be checked: the summary level code for county records (050), the total record for geographic components (00), and the county code for Prince George's County (033). If all three fields are not checked, multiple records will be found. See the Summary Level Sequence Charts and Geographic Area Component Codes section below for information on identifying summary level and geographic component codes.

SUMMARY LEVEL SEQUENCE CHARTS AND GEOGRAPHIC AREA COMPONENT CODES

The Summary Level Sequence Charts chapter and the geographic area component codes provide important information for using the 1990 census summary tape files.

The Summary Level Sequence Charts chapter for STF 3 files identifies the geographic levels for which data are provided. It is easy to determine this if you remember that the last geographic area type listed in the sequence identifies the geography of the summary level; the prior codes simply define the hierarchy. For example, in summary level 140, the hierarchy listed is State—county—census tract/block numbering area (BNA). The record actually contains data for a census tract/BNA within a given county and State.

When reading the Summary Level Sequence Charts chapter, it is important to recognize that dashes (—) separate the individual hierarchies while slashes (/) separate different types of geography within the same hierarchy.

After identifying the summary level code, turn to chart 2 at the end of this chapter to determine the geographic area codes and area characteristics provided on the tape for this summary level. Remember that an asterisk (*) indicates a code in that field. The code may be one of the standard codes described below.

The Summary Level Sequence Charts chapter also provides geographic component code information. This code identifies the various geographic components for

which the record is repeated within the summary level. These component codes are provided in the data dictionary beginning in position 14. For example, the Summary Level Sequence Chart for STF 3A indicates that the summary level for State records (040) has geographic component codes 00, 40, 42, 43, and 44. By turning to the geographic component variable in the data dictionary, you can determine that the tables for summary level 040 (State) are available for total geography (State) (geographic component=00), American Indian reservation and trust land (geographic component=40), tribal jurisdiction statistical area (geographic component=42), tribal designated statistical area (geographic component=43), and Alaska Native village statistical area (Alaska only) (geographic component=44).

In short, always check the geographic codes, the summary level (beginning in position 11 of the data dictionary), and the geographic component code (beginning in position 14 of the data dictionary) for complete identification of an STF 3 record.

SPECIAL AREA CODES

Special area codes appear in the geographic area codes portion of the data dictionary (positions 142-171) on all STF's. The codes represented may vary across STF's. In all STF 3 files, special area code (7) and special area code (9) are used. The codes are described below. Special area code (7) is used in summary levels 501, 510, 520, 530, 540, 550, 551, 552, and 560 on STF 3D. Special area code (9) is used in all summary levels except 800, 810, and 820.

In STF 3B files only, Special Area Code 1 is used. It contains the 5-digit ZIP Code.

Special area code (7)—Congressional District number (103rd Congress)

00	One at large representative
01-45	Congressional district number
98	District of Columbia nonvoting delegate

Special area code (9)—Land/water area

1	Significant land, significant (0.0005 or more square kilometers) water
2	Significant land, minimal (less than 0.0005 square kilometer) water
3	Significant land, zero (0) water
4	Minimal land, significant water
5	Minimal land, minimal water
6	Minimal land, zero water
7	Zero land, significant water
8	Zero land, minimal water
9	Zero land, zero water

STANDARD CODES

In the identification section of all STF's, there are standard codes, undefined in the data dictionary, that have identical meaning regardless of the field. The codes are the same size as the field; that is, a three-character field will have three symbols. These standard codes are listed below.

- ! Not available—The code would be shown except it had not been determined when the files were prepared (for example, metropolitan area code on a county summary level (050) on STF 1A).
- 9 Not in—This indicates a "remainder of" an area, such as a place code in the portion of a county subdivision not in a place, or the summary level is not part of any area to which the code field applies, such as a summary level which is not in an Alaska Native Regional Corporation.

Blank Not applicable—This indicates that the code is not applicable to the summary level.

Where these codes are specifically defined in the data dictionary, the defined code should be used. For example, in the division code description on the data dictionary (position 89), the code for the Pacific Division is indicated as "9." This "9" should be interpreted as the division code, not as "not in," the standard code for "9."

Summary level 501 510 520 Summary level 530 540 550 Summary level 551 552 560 Summary level 800 820

Field Name

Record Codes

*	*	*	*	*	*	*	*	*	*	*	File Identification
*	*	*	*	*	*	*	*	*	*	*	State/US-Abbreviation
*	*	*	*	*	*	*	*	*	*	*	Summary Level
*	*	*	*	*	*	*	*	*	*	*	Geographic Component
<hr/>											
*	*	*	*	*	*	*	*	*	*	*	Characteristic Iteration
*	*	*	*	*	*	*	*	*	*	*	Logical Record Number
*	*	*	*	*	*	*	*	*	*	*	Logical Record Part Number
*	*	*	*	*	*	*	*	*	*	*	Total Number of Parts In Record

Geographic Area Codes

								*			Alaska Native Regional Corporation
					*	*	*				American Indian/Alaska Native Area (Census)
					*	*	*				American Indian/Alaska Native Area (FIPS)
					*	*	*				American Indian/Alaska Native Area Class Code
<hr/>											
						*	*				American Indian Reservation Trust Land Indicator
											Block
											Block Group
											Census Tract/Block Numbering Area
<hr/>											
*	*	*	*	*	*	*	*	*	*	*	Congressional District
			*	*							Consolidated City (Census)
			*	*							Consolidated City (FIPS)
			*	*							Consolidated City Class Code
<hr/>											
			*	*							Consolidated City Size Code
	*	*									Consolidated Metropolitan Statistical Area
	*	*									County
	*	*									County Size Code
<hr/>											
		*									County Subdivision (Census)
		*									County Subdivision (FIPS)
		*									County Subdivision Class Code
		*									County Subdivision Size Code
<hr/>											
*	*	*	*	*	*	*	*	*	*	*	Division
			*								Extended City Indicator
			*								Internal Use Code
			*								Metropolitan Statistical Area/Consolidated
	*	*									Metropolitan Statistical Area