

1990 SUMMARY TAPE FILE 3  
TECHNICAL DOCUMENTATION ON CD-ROM

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## ABSTRACT

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### CITATION

Census of Population and Housing, 1990: Summary Tape File 3 on CD-ROM [machine-readable data files] / prepared by the Bureau of the Census. -Washington: The Bureau [producer and distributor], 1992.

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

Mobility limitation status  
Occupation  
Place of birth  
Place of work  
Poverty status in 1989  
Private vehicle occupancy  
Race  
Residence in 1985  
School enrollment  
Self-care limitation status  
Sex  
Travel time to work  
Urban and rural population  
Veteran/military status  
Work disability status  
Work status in 1989  
Workers in family in 1989

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  
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 193 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)

STF 3D is not available on CD-ROM.

#### 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 also are available on tape as files 3A, 3B, 3C, and 3D. STF 3A will be available on microfiche.

#### 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).

A comprehensive 1990 Census of Population and Housing Guide will be available in early 1992. It will provide detailed information about all aspects of the census.

## SOFTWARE

Data retrieval software is on the CD-ROM. It can be accessed by typing GO.

## TECHNICAL DESCRIPTION

The data files on the CD-ROM are in dBASE III + TM format. The files for each State are labelled. STF 3A files are labelled STF300ss.DBF through STF334ss.DBF where ss is the two-character State abbreviation. Some State files will occupy more than one CD-ROM. For further information, refer to the README file on the CD-ROM. (Information on STF 3B and STF 3C files will be available later.)

## FILE AVAILABILITY

CD-ROM's are released for States or groups of States as the files become available. The STF 3A CD-ROM will be issued in mid 1992. The STF 3B and STF 3C CD-ROM products will be released later in 1992. Cost of each CD-ROM is \$150.

## 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.

#### 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.

Appendix H 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 entry for Asian or Pacific Islander is followed by (600-699, 976-985). The code list for race in appendix H identifies all the race codes included in the Asian or Pacific Islander category.

Appendix I provides CD-ROM specific information.

#### 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.

#### USING THE FILE

##### File Segments

The file is segmented into 35 dBase III (.DBF) files, designated STF300ss.DBF through STF334ss.DBF where ss is the two-character State abbreviation. The STF300 segment contains the full 67 field identification

section. The identification field names are shown in the Data Dictionary chapter of the technical documentation. Segments STF301 through STF334 each contain eight identification fields repeated from the STF300 segment. They are shown below.

#### Identification Fields Common To All Segments

|          |                                   |
|----------|-----------------------------------|
| SUMLEV   | Summary Level                     |
| STATEFP  | State (FIPS)                      |
| CNTY     | County (FIPS)                     |
| COUSUBFP | County Subdivision (FIPS)         |
| PLACEFP  | Place (FIPS)                      |
| TRACTBNA | Census Tract/Block Numbering Area |
| BLCKGR   | Block Group                       |
| LOGRECNU | Logical Record Number             |

The segments are divided as shown below.

#### Data Tables In Each Segment

|        |                              |
|--------|------------------------------|
| STF300 | Field Identification Section |
| STF301 | P1 - P13                     |
| STF302 | P14A - P14C                  |
| STF303 | P14D - P14F                  |
| STF304 | P14G - P14I                  |
| STF305 | P14J - P17                   |
| STF306 | P18 - P26                    |
| STF307 | P27 - P32                    |
| STF308 | P33 - P36                    |
| STF309 | P37 - P51                    |
| STF310 | P52 - P60                    |
| STF311 | P61 - P65                    |
| STF312 | P66 - P70                    |
| STF313 | P71 - P76                    |
| STF314 | P77 - P83                    |
| STF315 | P84 - P86                    |
| STF316 | P87A                         |
| STF317 | P87B                         |
| STF318 | P87C                         |
| STF319 | P87D                         |
| STF320 | P87E                         |
| STF321 | P88 - P107A                  |
| STF322 | P108 - P118                  |
| STF323 | P119 - P121                  |
| STF324 | P122 - P123                  |
| STF325 | P124A - P124B                |
| STF326 | P125 - P143                  |
| STF327 | P144 - P170, H1 - H9         |
| STF328 | H10 - H21                    |
| STF329 | H22 - H33                    |
| STF330 | H34 - H44                    |
| STF331 | H45 - H52A                   |
| STF332 | H53 - H59                    |
| STF333 | H60 - H81                    |
| STF334 | H82 - H92                    |

## Field Names In Numeric Data Tables

Fields in numeric data tables are named according to a convention which identifies the tables and the sequence of the data item within the table. The 63 data items in P88, for example, are identified as P0880001 through P0880063. The one data item in table P107A is identified as P107A001.

### Components Of The Field Name

Character 1     P or H  
Character 2-4   Table number; right justified with leading zeroes  
Character 5     Sub-table letter; zero if not applicable  
Character 6-8   Item number; right justified with leading zeroes

### 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 1 at the end of this chapter to determine the geographic area codes and area characteristics provided on CD-ROM 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 STF 3 CD-ROM files special area code (1), and special area code (9) are used. The codes are described below. 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 (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."

Chart 1. STF 3 File Identification by Summary Level<sup>1</sup>

| Field name                                       | Summary level |     |     | Summary level |     |     | Summary level |     |     |
|--|---------------|-----|-----|---------------|-----|-----|---------------|-----|-----|
|  | 010           | 020 | 030 | 040           | 050 | 060 | 061           | 062 | 070 |
| Record Codes                                     |               |     |     |               |     |     |               |     |     |
| File Identification                              | *             | *   | *   | *             | *   | *   | *             | *   | *   |
| State/US-Abbreviation                            | *             | *   | *   | *             | *   | *   | *             | *   | *   |
| Summary Level                                    | *             | *   | *   | *             | *   | *   | *             | *   | *   |
| Geographic Component                             | *             | *   | *   | *             | *   | *   | *             | *   | *   |
| 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    |               |     |     |               |     |     |               |     |     |
| American Indian Reservation Trust Land Indicator |               |     |     |               |     |     |               |     |     |
| Block  |               |     |     |               |     |     |               |     |     |
| Block Group                                      |               |     |     |               |     |     |               |     |     |
| Census Tract/Block Numbering Area                |               |     |     |               |     |     |               |     |     |
| Congressional District                           |               |     |     |               |     |     |               |     |     |
| Consolidated City (Census)                       |               |     |     |               |     |     |               |     | *   |
| Consolidated City (FIPS)                         |               |     |     |               |     |     |               |     | *   |
| Consolidated City Class Code                     |               |     |     |               |     |     |               |     | *   |
| Consolidated City Size Code                      |               |     |     |               |     |     |               |     | *   |
| Consolidated Metropolitan Statistical Area       |               |     |     |               | *   | *   | *             | *   | *   |
| County   |               |     |     |               | *   | *   | *             | *   | *   |
| County Size Code                                 |               |     |     |               | *   | *   | *             | *   | *   |





|   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|--|
| * | * | * | * |   |   |   | * | Consolidated Metro-<br>politan Statistical<br>Area |
| * | * | * | * | * |   |   | * | County   |
| * | * | * | * | * |   |   | * | County Size Code                                   |
| * | * |   |   |   |   |   |   | County Sub-<br>division (Census)                   |
| * | * |   |   |   |   |   |   | County Sub-<br>division (FIPS)                     |
| * | * |   |   |   |   |   |   | County Sub-<br>division Class Code                 |
| * | * |   |   |   |   |   |   | County Sub-<br>division Size Code                  |
| * | * | * | * | * | * | * | * | Division   |
| * | * |   |   | * | * | * |   | Extended City<br>Indicator                         |
|   |   |   |   |   |   |   |   | Internal Use Code                                  |
|   |   |   |   |   |   |   |   | Metropolitan<br>Statistical Area/<br>Consolidated  |
| * | * | * | * |   |   |   | * | Metropolitan<br>Statistical Area                   |
| * | * | * | * |   |   |   | * | MSA/CMSA Size Code                                 |
| * | * |   |   | * | * | * |   | Place (Census)                                     |
| * | * |   |   | * | * | * |   | Place (FIPS)                                       |
| * | * |   |   | * | * | * |   | Place Class Code                                   |
| * | * |   |   | * | * | * |   | Place<br>Description Code                          |
| * | * |   |   | * | * | * |   | Place Size Code                                    |
| * | * | * | * |   |   |   | * | Primary Metropolitan<br>Statistical Area           |
| * | * | * | * | * | * | * | * | Region   |
| * | * | * | * | * | * | * | * | State (Census)                                     |
| * | * | * | * | * | * | * | * | State (FIPS)                                       |
|   | * |   |   |   |   |   |   | Urban/Rural  |
|   | * |   |   |   |   |   |   | Urbanized Area                                     |
|   | * |   |   |   |   |   |   | Urbanized Area<br>Size Code                        |
|   |   |   |   |   |   |   |   | Special Area<br>Code (1)                           |
|   |   |   |   |   |   |   |   | Special Area<br>Code (2)                           |
|   |   |   |   |   |   |   |   | Special Area<br>Code (3)                           |
|   |   |   |   |   |   |   |   | Special Area<br>Code (4)                           |
|   |   |   |   |   |   |   |   | Special Area<br>Code (5)                           |
|   |   |   |   |   |   |   |   | Special Area<br>Code (6)                           |









| Summary level |     |     | Summary level |     |     | Summary level |     |     | Summary level |     |     | Field name |
|---------------|-----|-----|---------------|-----|-----|---------------|-----|-----|---------------|-----|-----|------------|
| 216           | 220 | 221 | 230           | 300 | 301 | 310           | 311 | 319 | 321           | 329 | 331 |            |

Record Codes

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

Geographic Area Codes

|   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   |   |   | * |   |   |   |   |   |   |   |   | Alaska Native<br>Regional Corporation   |
| * | * | * |   |   |   |   |   |   |   |   |   | American Indian/<br>Alaska Native Area<br>(Census)  |
| * | * | * |   |   |   |   |   |   |   |   |   | American Indian/<br>Alaska Native Area<br>(FIPS)  |
| * | * | * |   |   |   |   |   |   |   |   |   | American Indian/<br>Alaska Native Area<br>Class Code  |
| * | * | * |   |   |   |   |   |   |   |   |   | American Indian<br>Reservation Trust<br>Land Indicator<br>Block<br>Block Group<br>Census Tract/Block<br>Numbering Area    |
|   |   |   |   |   |   |   |   |   |   |   |   | Congressional District<br>Consolidated City<br>(Census)<br>Consolidated City<br>(FIPS)<br>Consolidated City<br>Class Code |
|   |   |   |   |   |   |   |   |   |   |   |   | Consolidated City<br>Size Code  |
|   |   |   |   | * | * | * | * | * | * |   | * | * Consolidated Metro-<br>politan Statistical<br>Area  |
|   | * | * |   |   |   |   |   |   |   | * | * | * County  |
|   | * | * |   |   |   |   |   |   |   | * | * | * County Size Code  |
|   |   |   |   |   |   |   |   |   |   |   |   | County Subdivision<br>(Census)  |

|   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|
|   |   |   |   |   |   |   |   |   |   |   | County Subdivision<br>(FIPS)                      |
|   |   |   |   |   |   |   |   |   |   |   | County Subdivision<br>Class Code                  |
|   |   |   |   |   |   |   |   |   |   |   | County Subdivision<br>Size Code                   |
| * | * | * | * |   |   | * | * | * | * | * | Division  |
|   |   |   |   |   |   |   |   |   |   |   | Extended City<br>Indicator                        |
|   |   |   |   |   |   |   |   |   |   |   | Internal Use Code                                 |
|   |   |   |   |   |   |   |   |   |   |   | Metropolitan<br>Statistical Area/<br>Consolidated |
|   |   |   |   | * | * | * | * | * | * | * | Metropolitan<br>Statistical Area                  |
|   |   |   |   | * | * | * | * | * | * | * | MSA/CMSA Size Code                                |
|   |   |   |   |   |   |   |   |   |   |   | Place (Census)                                    |
|   |   |   |   |   |   |   |   |   |   |   | Place (FIPS)                                      |
|   |   |   |   |   |   |   |   |   |   |   | Place Class Code                                  |
|   |   |   |   |   |   |   |   |   |   |   | Place Description Code                            |
|   |   |   |   |   |   |   |   |   |   |   | Place Size Code                                   |
|   |   |   |   | * |   | * |   | * |   | * | Primary Metro-<br>politan Statistical<br>Area     |
| * | * | * | * |   |   | * | * | * | * | * | Region  |
| * | * | * | * |   |   | * | * | * | * | * | State (Census)                                    |
| * | * | * | * |   |   | * | * | * | * | * | State (FIPS)                                      |
|   |   |   |   |   |   |   |   |   |   |   | Urban/Rural<br>Urbanized Area                     |
|   |   |   |   |   |   |   |   |   |   |   | Urbanized Area<br>Size Code                       |
|   |   |   |   |   |   |   |   |   |   |   | Special Area<br>Code (1)                          |
|   |   |   |   |   |   |   |   |   |   |   | Special Area<br>Code (2)                          |
|   |   |   |   |   |   |   |   |   |   |   | Special Area<br>Code (3)                          |
|   |   |   |   |   |   |   |   |   |   |   | Special Area<br>Code (4)                          |
|   |   |   |   |   |   |   |   |   |   |   | Special Area<br>Code (5)                          |
|   |   |   |   |   |   |   |   |   |   |   | Special Area<br>Code (6)                          |
|   |   |   |   |   |   |   |   |   |   |   | Special Area<br>Code (7)                          |
|   |   |   |   |   |   |   |   |   |   |   | Special Area<br>Code (8)                          |
| * | * | * | * | * | * | * | * | * | * | * | Special Area<br>Code (9)                          |
|   |   |   |   |   |   |   |   |   |   |   | Special Area<br>Code (10)                         |

Area Characteristics

|   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|--|
| * | * | * | * | * | * | * | * | * | * | * | * | Area (Land)                                    |
| * | * | * | * | * | * | * | * | * | * | * | * | Area (Water)                                   |
| * | * | * | * | * | * | * | * | * | * | * | * | Area Name/PSAD<br>Term/Part Indicator          |
| * | * | * |   | * | * | * | * | * | * | * | * | Functional<br>Status Code                      |
| * | * |   | * | * | * | * | * | * | * | * | * | Geographic Change<br>User Note Indicator       |
| * | * | * | * | * | * | * | * | * | * | * | * | Housing Unit Count<br>(100 percent)            |
| * | * | * | * | * | * | * | * | * | * | * | * | Internal Point<br>(Latitude)                   |
| * | * | * | * | * | * | * | * | * | * | * | * | Internal Point<br>(Longitude)                  |
| * | * | * | * |   |   | * | * | * | * | * | * | Part Flag                                      |
| * | * | * | * | * | * | * | * | * | * | * | * | Political/Statistical Area<br>Description Code |
| * | * | * | * | * | * | * | * | * | * | * | * | Population Count<br>(100 percent)              |
| * | * | * | * | * | * | * | * | * | * | * | * | Special Flag                                   |

| Field name | Summary level |     |     | Summary level |     |     | Summary level |     |     |
|------------|---------------|-----|-----|---------------|-----|-----|---------------|-----|-----|
|            | 340           | 341 | 400 | 410           | 420 | 430 | 440           | 450 | 460 |

Record Codes

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

American Indian Reservation  
Trust Land Indicator

Block  
Block Group  
Census Tract/Block Numbering Area

Congressional District  
Consolidated City (Census) \* \* \* \*  
Consolidated City (FIPS) \* \* \* \*  
Consolidated City Class Code \* \* \* \*

Consolidated City Size Code \* \* \* \*  
Consolidated Metropolitan  
Statistical Area \* \* \* \*  
County \* \* \* \*

County Size Code \* \* \* \*  
  
County Subdivision (Census) \* \*  
County Subdivision (FIPS) \* \*  
County Subdivision Class Code \* \*  
County Subdivision Size Code \* \*

Division \* \* \* \* \* \* \* \*  
Extended City Indicator \* \* \* \* \* \*  
Internal Use Code  
Metropolitan Statistical Area/  
Consolidated Metropolitan  
Statistical Area \* \* \* \* \* \*

MSA/CMSA Size Code \* \* \* \* \* \*  
Place (Census) \* \* \* \* \* \*  
Place (FIPS) \* \* \* \* \* \*  
Place Class Code \* \* \* \* \* \*

Place Description Code \* \* \* \* \* \*  
Place Size Code \* \* \* \* \* \*  
Primary Metropolitan  
Statistical Area \* \* \* \* \* \*  
Region \* \* \* \* \* \* \* \*

State (Census) \* \* \* \* \* \* \* \*  
State (FIPS) \* \* \* \* \* \* \* \*  
Urban/Rural \* \* \* \* \* \* \* \*  
Urbanized Area \* \* \* \* \* \* \* \*  
Urbanized Area Size Code \* \* \* \* \* \* \* \*

Special Area Code (1)  
Special Area Code (2)  
Special Area Code (3)  
Special Area Code (4)  
Special Area Code (5)  
Special Area Code (6)  
Special Area Code (7)  
Special Area Code (8)

Special Area Code (9) \* \* \* \* \* \* \* \* \* \*  
 Special Area Code (10)

Area Characteristics

Area (Land) \* \* \* \* \* \* \* \* \* \*  
 Area (Water) \* \* \* \* \* \* \* \* \* \*  
 Area Name/PSAD Term/Part  
 Indicator \* \* \* \* \* \* \* \* \* \*  
 Functional Status Code \* \* \* \* \* \* \* \* \* \*

Geographic Change User Note  
 Indicator \* \* \* \* \* \* \* \* \* \*  
 Housing Unit Count  
 (100 percent) \* \* \* \* \* \* \* \* \* \*  
 Internal Point (Latitude) \* \* \* \* \* \* \* \* \* \*  
 Internal Point (Longitude) \* \* \* \* \* \* \* \* \* \*

Part Flag \* \* \* \* \* \* \* \* \* \*  
 Political/Statistical Area  
 Description Code \* \* \* \* \* \* \* \* \* \*  
 Population Count  
 (100 percent) \* \* \* \* \* \* \* \* \* \*  
 Special Flag \* \* \* \* \* \* \* \* \* \*

Summary level Summary level Summary level Summary level  
 501 510 520 530 540 550 551 552 560 800 810 820 Field Name

Record Codes

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

Geographic Area Codes

|  |  |  |  |  |  |   |   |   |  |  |  |  |  |
|--|--|--|--|--|--|---|---|---|--|--|--|--|--|
|  |  |  |  |  |  |   |   | * |  |  |  |  | Alaska Native<br>Regional Corporation              |
|  |  |  |  |  |  | * | * | * |  |  |  |  | American Indian/<br>Alaska Native Area<br>(Census) |
|  |  |  |  |  |  | * | * | * |  |  |  |  | American Indian/<br>Alaska Native Area             |





|   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|--|
|   | * | * |   |   |   |   |   |   |   |   |   | * Primary Metro-<br>politan Statistical<br>Area  |
| * | * | * | * | * | * | * | * | * | * | * | * | * Region   |
| * | * | * | * | * | * | * | * | * | * | * | * | * State (Census)   |
| * | * | * | * | * | * | * | * | * | * | * | * | * State (FIPS)<br>Urban/Rural<br>Urbanized Area<br>Urbanized Area<br>Size Code   |
|   |   |   |   |   |   |   |   |   |   | * | * | * Special Area<br>Code (1)<br>Special Area<br>Code (2)<br>Special Area<br>Code (3)<br>Special Area<br>Code (4)<br>Special Area<br>Code (5) |
|   |   |   |   |   |   |   |   |   |   |   |   | Special Area<br>Code (6)   |
| * | * | * | * | * | * | * | * | * | * |   |   | Special Area<br>Code (7)<br>Special Area<br>Code (8)   |
| * | * | * | * | * | * | * | * | * | * |   |   | Special Area<br>Code (9)<br>Special Area<br>Code (10)  |
|   |   |   |   |   |   |   |   |   |   |   |   | Area Characteristics   |
| * | * | * | * | * | * | * | * | * | * |   |   | Area (Land)  |
| * | * | * | * | * | * | * | * | * | * |   |   | Area (Water)   |
| * | * | * | * | * | * | * | * | * | * | * | * | * Area Name/PSAD<br>Term/Part Indicator  |
| * | * | * | * | * | * | * | * | * | * | * | * | * Functional<br>Status Code  |
|   |   | * | * | * | * | * | * | * | * |   |   | Geographic Change<br>User Note Indicator   |
| * | * | * | * | * | * | * | * | * | * | * | * | * Housing Unit Count<br>(100 percent)  |
| * | * | * | * | * | * | * | * | * | * |   |   | Internal Point<br>(Latitude)   |
| * | * | * | * | * | * | * | * | * | * |   |   | Internal Point<br>(Longitude)  |
|   | * | * | * | * | * | * | * | * | * | * | * | * Part Flag  |
|   | * | * | * | * | * | * | * | * | * |   |   | * Political/Statistical Area<br>Description Code   |

|   |   |   |   |   |   |   |   |   |   |   |   |                                   |
|---|---|---|---|---|---|---|---|---|---|---|---|-----------------------------------|
| * | * | * | * | * | * | * | * | * | * | * | * | Population Count<br>(100 percent) |
| * | * | * | * | * | * | * | * | * | * | * | * | Special Flag                      |

<sup>1</sup>See the Summary Level Sequence Charts chapter for identification of the summary level record numbers.

## SUBJECT LOCATOR

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Index 3--1

This index is designed to quickly identify the STF 3 tables needed. Each table variable is listed alphabetically. Both the type of entry being tabulated (universe), which is shown in italics, and the relevant table numbers appear under the variable heading. If the entry variable is cross tabulated by another variable, the variable of cross tabulation is indicated beneath the universe and is preceded by the word "by." The index entries for each variable are arranged alphabetically by universe, then by variable of cross tabulation, if any. For example, if you are looking for a table tabulating age by sex for females, check the index under either of the two variables. Checking under age, you find an entry for a table with a universe of females. Checking the entry, you can see that age is cross tabulated by sex in table P15B.

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| See also Subfamily Type and Presence and Age of Children         |        |
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| by Race by Sex   | P14E   |
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| Asian or Pacific Islander males                                  |        |
| by Race by Sex   | P14G   |
| Black females  |        |
| by Race by Sex   | P14D   |
| Black males  |        |
| by Race by Sex   | P14C   |
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|---|-------|
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| by Age of Householder   |       |
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| by Family Type  |       |
| by Poverty Satus in 1989  | P124A |
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| by Family Type  |       |
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     See also School Enrollment and Type of School  
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         Employment Status

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|---|------|
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| by Sex  | P15A |
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| by Age by Sex   | P14J |
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| by Age by Sex   | P14I |
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|---|-----|
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| Housing units   | H20 |
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 Persons 16 years and over  
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Work Status in 1989, Usual Hours Worked Per  
 Week in 1989, and Weeks Worked in 1989  
 Persons 16 years and over

|  |      |
|--|------|
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**TABLE (MATRIX) SECTION**

| Table<br>(matrix)<br>number | Table (matrix)  | Data dictionary<br>reference name                        | Field<br>size         | Data<br>type          | Table<br>(matrix)<br>coordinates |
|-----------------------------|---|--|-----------------------|-----------------------|----------------------------------|
| P1.                         | PERSONS(1) [1]<br>Universe: Persons<br>Total  | P0010001   | 9                     | N                     | 1                                |
| P2.                         | UNWEIGHTED SAMPLE COUNT OF PERSONS(1) [1]<br>Universe: Persons<br>Total   | P0020001   | 9                     | N                     | 1                                |
| P3.                         | 100 PERCENT COUNT OF PERSONS(1) [1]<br>Universe: Persons<br>Total   | P0030001   | 9                     | N                     | 1                                |
| P3A.                        | PERCENT OF PERSONS IN SAMPLE(1) [1]<br>1 implied decimal(s)<br>Universe: Persons<br>Total   | P003A001   | 9                     | 9                     | 1                                |
| P4.                         | FAMILIES(1) [1]<br>Universe: Families<br>Total  | P004001  | 9                     | N                     | 1                                |
| P5.                         | HOUSEHOLDS(1) [1]<br>Universe: Households<br>Total  | P0050001   | 9                     | N                     | 1                                |
| P6.                         | URBAN AND RURAL(4) [4]<br>Universe: Persons<br>Urban:<br>Inside urbanized area<br>Outside urbanized area<br>Rural:<br>Farm<br>Nonfarm | P0060001<br>P0060002<br>P0060003<br>P0060004             | 9<br>9<br>9<br>9      | N<br>N<br>N<br>N      | 1<br>2<br>3<br>4                 |
| P7.                         | SEX(2) [2]<br>Universe: Persons<br>Male<br>Female   | P0070001<br>P0070002                                     | 9<br>9                | N<br>N                | 1<br>2                           |
| P8.                         | RACE(5) [5]<br>Universe: Persons<br>White<br>Black<br>American Indian, Eskimo, or Aleut<br>Asian or Pacific Islander<br>Other race    | P0080001<br>P0080002<br>P0080003<br>P0080004<br>P0080005 | 9<br>9<br>9<br>9<br>9 | N<br>N<br>N<br>N<br>N | 1<br>2<br>3<br>4<br>5            |
| P9.                         | RACE(25) [25]<br>Universe: Persons<br>White (800 869, 971)  | P0090001   | 9                     | N                     | 1                                |

|   |          |   |   |    |
|---|----------|---|---|----|
| Black (870 934, 972)  | P0090002 | 9 | N | 2  |
| American Indian, Eskimo, or Aleut<br>(000 599, 935 970, 973 975): |          |   |   |    |
| American Indian (000 599, 973)                                    | P0090003 | 9 | N | 3  |
| Eskimo (935 940, 974)   | P0090004 | 9 | N | 4  |
| Aleut (941 970, 975)  | P0090005 | 9 | N | 5  |
| Asian or Pacific Islander<br>(600 699, 976 985):                  |          |   |   |    |
| Asian (600 652, 976, 977, 979<br>982, 985):                       |          |   |   |    |
| Chinese (605 607, 976)  | P0090006 | 9 | N | 6  |
| Filipino (608, 977)   | P0090007 | 9 | N | 7  |
| Japanese (611, 981)   | P0090008 | 9 | N | 8  |
| Asian Indian (600, 982)   | P0090009 | 9 | N | 9  |
| Korean (612, 979)   | P0090010 | 9 | N | 10 |
| Vietnamese (619, 980)   | P0090011 | 9 | N | 11 |
| Cambodian (604)   | P0090012 | 9 | N | 12 |
| Hmong (609)   | P0090013 | 9 | N | 13 |
| Laotian (613)   | P0090014 | 9 | N | 14 |
| Thai (618)  | P0090015 | 9 | N | 15 |
| Other Asian (601 603, 610,<br>614 617, 620 652, 985)              | P0090016 | 9 | N | 16 |
| Pacific Islander (653 699, 978,<br>983, 984):                     |          |   |   |    |
| Polynesian (653 659, 978, 983):                                   |          |   |   |    |
| Hawaiian (653, 654, 978)  | P0090017 | 9 | N | 17 |
| Samoan (655, 983)   | P0090018 | 9 | N | 18 |
| Tongan (657)  | P0090019 | 9 | N | 19 |
| Other Polynesian (656, 658,<br>659)                               | P0090020 | 9 | N | 20 |
| Micronesian (660 675, 984):                                       |          |   |   |    |
| Guamanian (660, 984)  | P0090021 | 9 | N | 21 |
| Other Micronesian (661 675)                                       | P0090022 | 9 | N | 22 |
| Melanesian (676 680)  | P0090023 | 9 | N | 23 |
| Pacific Islander, not specified<br>(681 699)                      | P0090024 | 9 | N | 24 |
| Other race (700 799, 986 999)                                     | P0090025 | 9 | N | 25 |
| P10.PERSONS OF HISPANIC ORIGIN(1) [1]                             |          |   |   |    |
| Universe: Persons of Hispanic origin                              |          |   |   |    |
| Total   | P0100001 | 9 | N | 1  |
| P11.HISPANIC ORIGIN(16) [16]                                      |          |   |   |    |
| Universe: Persons   |          |   |   |    |
| Not of Hispanic origin (000 001,<br>006 199)                      | P0110001 | 9 | N | 1  |
| Hispanic origin (002 005, 200 999):                               |          |   |   |    |
| Mexican (002, 210 220)  | P0110002 | 9 | N | 2  |
| Puerto Rican (003, 261 270)                                       | P0110003 | 9 | N | 3  |
| Cuban (004, 271 274)  | P0110004 | 9 | N | 4  |
| Other Hispanic (005, 200 209,<br>221 260, 275 999):               |          |   |   |    |
| Dominican (Dominican Republic)<br>(275 289)                       | P0110005 | 9 | N | 5  |
| Central American (221 230):                                       |          |   |   |    |
| Guatemalan (222)  | P0110006 | 9 | N | 6  |
| Honduran (223)  | P0110007 | 9 | N | 7  |



|  |          |   |   |    |
|--|----------|---|---|----|
| Nicaraguan (224)                                   | P0110008 | 9 | N | 8  |
| Panamanian (225)                                   | P0110009 | 9 | N | 9  |
| Salvadoran (226)                                   | P0110010 | 9 | N | 10 |
| Other Central American<br>(221, 227 230)           | P0110011 | 9 | N | 11 |
| South American (231 249):                          |          |   |   |    |
| Colombian (234)                                    | P0110012 | 9 | N | 12 |
| Ecuadorian (235)                                   | P0110013 | 9 | N | 13 |
| Peruvian (237)                                     | P0110014 | 9 | N | 14 |
| Other South American<br>(231 233, 236, 238 249)    | P0110015 | 9 | N | 15 |
| Other Hispanic (005, 200 209,<br>250 260, 290 999) | P0110016 | 9 | N | 16 |

P12. HISPANIC ORIGIN(2) BY RACE(5) [10]

Universe: Persons

Not of Hispanic origin:

|                                   |          |   |   |     |
|-----------------------------------|----------|---|---|-----|
| White                             | P0120001 | 9 | N | 1,1 |
| Black                             | P0120002 | 9 | N | 1,2 |
| American Indian, Eskimo, or Aleut | P0120003 | 9 | N | 1,3 |
| Asian or Pacific Islander         | P0120004 | 9 | N | 1,4 |
| Other race                        | P0120005 | 9 | N | 1,5 |

Hispanic origin:

|               |          |       |   |     |
|---------------|----------|-------|---|-----|
| (Repeat RACE) | P0120006 | 45(1) | N | 2,1 |
|---------------|----------|-------|---|-----|

P13. AGE(31) [31]

Universe: Persons

|                 |          |   |   |    |
|-----------------|----------|---|---|----|
| Under 1 year    | P0130001 | 9 | N | 1  |
| 1 and 2 years   | P0130002 | 9 | N | 2  |
| 3 and 4 years   | P0130003 | 9 | N | 3  |
| 5 years         | P0130004 | 9 | N | 4  |
| 6 years         | P0130005 | 9 | N | 5  |
| 7 to 9 years    | P0130006 | 9 | N | 6  |
| 10 and 11 years | P0130007 | 9 | N | 7  |
| 12 and 13 years | P0130008 | 9 | N | 8  |
| 14 years        | P0130009 | 9 | N | 9  |
| 15 years        | P0130010 | 9 | N | 10 |
| 16 years        | P0130011 | 9 | N | 11 |
| 17 years        | P0130012 | 9 | N | 12 |
| 18 years        | P0130013 | 9 | N | 13 |
| 19 years        | P0130014 | 9 | N | 14 |
| 20 years        | P0130015 | 9 | N | 15 |
| 21 years        | P0130016 | 9 | N | 16 |
| 22 to 24 years  | P0130017 | 9 | N | 17 |
| 25 to 29 years  | P0130018 | 9 | N | 18 |
| 30 to 34 years  | P0130019 | 9 | N | 19 |
| 35 to 39 years  | P0130020 | 9 | N | 20 |
| 40 to 44 years  | P0130021 | 9 | N | 21 |
| 45 to 49 years  | P0130022 | 9 | N | 22 |
| 50 to 54 years  | P0130023 | 9 | N | 23 |
| 55 to 59 years  | P0130024 | 9 | N | 24 |
| 60 and 61 years | P0130025 | 9 | N | 25 |
| 62 to 64 years  | P0130026 | 9 | N | 26 |
| 65 to 69 years  | P0130027 | 9 | N | 27 |
| 70 to 74 years  | P0130028 | 9 | N | 28 |
| 75 to 79 years  | P0130029 | 9 | N | 29 |

|                   |          |   |   |    |
|-------------------|----------|---|---|----|
| 80 to 84 years    | P0130030 | 9 | N | 30 |
| 85 years and over | P0130031 | 9 | N | 31 |

P14A. RACE(1) BY SEX(1) BY AGE(31) [31]

Universe: White males

White:

Male:

|                   |          |   |   |        |
|-------------------|----------|---|---|--------|
| Under 1 year      | P014A001 | 9 | N | 1,1,1  |
| 1 and 2 years     | P014A002 | 9 | N | 1,1,2  |
| 3 and 4 years     | P014A003 | 9 | N | 1,1,3  |
| 5 years           | P014A004 | 9 | N | 1,1,4  |
| 6 years           | P014A005 | 9 | N | 1,1,5  |
| 7 to 9 years      | P014A006 | 9 | N | 1,1,6  |
| 10 and 11 years   | P014A007 | 9 | N | 1,1,7  |
| 12 and 13 years   | P014A008 | 9 | N | 1,1,8  |
| 14 years          | P014A009 | 9 | N | 1,1,9  |
| 15 years          | P014A010 | 9 | N | 1,1,10 |
| 16 years          | P014A011 | 9 | N | 1,1,11 |
| 17 years          | P014A012 | 9 | N | 1,1,12 |
| 18 years          | P014A013 | 9 | N | 1,1,13 |
| 19 years          | P014A014 | 9 | N | 1,1,14 |
| 20 years          | P014A015 | 9 | N | 1,1,15 |
| 21 years          | P014A016 | 9 | N | 1,1,16 |
| 22 to 24 years    | P014A017 | 9 | N | 1,1,17 |
| 25 to 29 years    | P014A018 | 9 | N | 1,1,18 |
| 30 to 34 years    | P014A019 | 9 | N | 1,1,19 |
| 35 to 39 years    | P014A020 | 9 | N | 1,1,20 |
| 40 to 44 years    | P014A021 | 9 | N | 1,1,21 |
| 45 to 49 years    | P014A022 | 9 | N | 1,1,22 |
| 50 to 54 years    | P014A023 | 9 | N | 1,1,23 |
| 55 to 59 years    | P014A024 | 9 | N | 1,1,24 |
| 60 and 61 years   | P014A025 | 9 | N | 1,1,25 |
| 62 to 64 years    | P014A026 | 9 | N | 1,1,26 |
| 65 to 69 years    | P014A027 | 9 | N | 1,1,27 |
| 70 to 74 years    | P014A028 | 9 | N | 1,1,28 |
| 75 to 79 years    | P014A029 | 9 | N | 1,1,29 |
| 80 to 84 years    | P014A030 | 9 | N | 1,1,30 |
| 85 years and over | P014A031 | 9 | N | 1,1,31 |

P14B. RACE(1) BY SEX(1) BY AGE(31) [31]

Universe: White females

White:

Female:

|                 |          |        |   |       |
|-----------------|----------|--------|---|-------|
| (Repeat AGE)(2) | P014B001 | 279(1) | N | 1,1,1 |
|-----------------|----------|--------|---|-------|

P14C. RACE(1) BY SEX(1) BY AGE(31) [31]

Universe: Black males

Black:

Male:

|                 |          |        |   |       |
|-----------------|----------|--------|---|-------|
| (Repeat AGE)(2) | P014C001 | 279(1) | N | 1,1,1 |
|-----------------|----------|--------|---|-------|

P14D. RACE(1) BY SEX(1) BY AGE(31) [31]

Universe: Black females

Black:

Female:

|                 |          |        |   |       |
|-----------------|----------|--------|---|-------|
| (Repeat AGE)(2) | P014D001 | 279(1) | N | 1,1,1 |
|-----------------|----------|--------|---|-------|

P14E. RACE(1) BY SEX(1) BY AGE(31) [31]  
 Universe: American Indian, Eskimo, or Aleut males  
 American Indian, Eskimo, or Aleut:  
 Male:  
 (Repeat AGE)(2) P014E001 279(1) N 1,1,1

P14F. RACE(1) BY SEX(1) BY AGE(31) [31]  
 Universe: American Indian, Eskimo, or  
 Aleut females  
 American Indian, Eskimo, or Aleut:  
 Female:  
 (Repeat AGE)(2) P014F001 279(1) N 1,1,1

P14G. RACE(1) BY SEX(1) BY AGE(31) [31]  
 Universe: Asian or Pacific Islander males  
 Asian or Pacific Islander:  
 Male:  
 (Repeat AGE)(2) P014G001 279(1) N 1,1,1

P14H. RACE(1) BY SEX(1) BY AGE(31) [31]  
 Universe: Asian or Pacific Islander females  
 Asian or Pacific Islander:  
 Female:  
 (Repeat AGE)(2) P014H001 279(1) N 1,1,1

P14I. RACE(1) BY SEX(1) BY AGE(31) [31]  
 Universe: Other race males  
 Other race:  
 Male:  
 (Repeat AGE)(2) P014I001 279(1) N 1,1,1

P14J. RACE(1) BY SEX(1) BY AGE(31) [31]  
 Universe: Other race females  
 Other race:  
 Female:  
 (Repeat AGE)(2) P014J001 279(1) N 1,1,1

P15A. SEX(1)  
 BY AGE(31) [31]  
 Universe: Males of Hispanic origin  
 Male:

|                 |          |   |   |      |
|-----------------|----------|---|---|------|
| Under 1 year    | P015A001 | 9 | N | 1,1  |
| 1 and 2 years   | P015A002 | 9 | N | 1,2  |
| 3 and 4 years   | P015A003 | 9 | N | 1,3  |
| 5 years         | P015A004 | 9 | N | 1,4  |
| 6 years         | P015A005 | 9 | N | 1,5  |
| 7 to 9 years    | P015A006 | 9 | N | 1,6  |
| 10 and 11 years | P015A007 | 9 | N | 1,7  |
| 12 and 13 years | P015A008 | 9 | N | 1,8  |
| 14 years        | P015A009 | 9 | N | 1,9  |
| 15 years        | P015A010 | 9 | N | 1,10 |
| 16 years        | P015A011 | 9 | N | 1,11 |
| 17 years        | P015A012 | 9 | N | 1,12 |
| 18 years        | P015A013 | 9 | N | 1,13 |
| 19 years        | P015A014 | 9 | N | 1,14 |
| 20 years        | P015A015 | 9 | N | 1,15 |
| 21 years        | P015A016 | 9 | N | 1,16 |

|                   |          |   |   |      |
|-------------------|----------|---|---|------|
| 22 to 24 years    | P015A017 | 9 | N | 1,17 |
| 25 to 29 years    | P015A018 | 9 | N | 1,18 |
| 30 to 34 years    | P015A019 | 9 | N | 1,19 |
| 35 to 39 years    | P015A020 | 9 | N | 1,20 |
| 40 to 44 years    | P015A021 | 9 | N | 1,21 |
| 45 to 49 years    | P015A022 | 9 | N | 1,22 |
| 50 to 54 years    | P015A023 | 9 | N | 1,23 |
| 55 to 59 years    | P015A024 | 9 | N | 1,24 |
| 60 and 61 years   | P015A025 | 9 | N | 1,25 |
| 62 to 64 years    | P015A026 | 9 | N | 1,26 |
| 65 to 69 years    | P015A027 | 9 | N | 1,27 |
| 70 to 74 years    | P015A028 | 9 | N | 1,28 |
| 75 to 79 years    | P015A029 | 9 | N | 1,29 |
| 80 to 84 years    | P015A030 | 9 | N | 1,30 |
| 85 years and over | P015A031 | 9 | N | 1,31 |

P15B. SEX(1)

BY AGE(31) [31]

Universe: Females of Hispanic origin

Female:

|                 |          |        |   |     |
|-----------------|----------|--------|---|-----|
| (Repeat AGE)(2) | P015B001 | 279(1) | N | 1,1 |
|-----------------|----------|--------|---|-----|

P16. PERSONS IN HOUSEHOLD(7) [7]

Universe: Households

|                   |          |   |   |   |
|-------------------|----------|---|---|---|
| 1 person          | P0160001 | 9 | N | 1 |
| 2 persons         | P0160002 | 9 | N | 2 |
| 3 persons         | P0160003 | 9 | N | 3 |
| 4 persons         | P0160004 | 9 | N | 4 |
| 5 persons         | P0160005 | 9 | N | 5 |
| 6 persons         | P0160006 | 9 | N | 6 |
| 7 or more persons | P0160007 | 9 | N | 7 |

P17. HOUSEHOLD TYPE AND RELATIONSHIP(15) [15]

Universe: Persons

In family households:

|             |          |   |   |   |
|-------------|----------|---|---|---|
| Householder | P0170001 | 9 | N | 1 |
|-------------|----------|---|---|---|

|        |          |   |   |   |
|--------|----------|---|---|---|
| Spouse | P0170002 | 9 | N | 2 |
|--------|----------|---|---|---|

Child:

|                         |          |   |   |   |
|-------------------------|----------|---|---|---|
| Natural born or adopted | P0170003 | 9 | N | 3 |
|-------------------------|----------|---|---|---|

|      |          |   |   |   |
|------|----------|---|---|---|
| Step | P0170004 | 9 | N | 4 |
|------|----------|---|---|---|

|            |          |   |   |   |
|------------|----------|---|---|---|
| Grandchild | P0170005 | 9 | N | 5 |
|------------|----------|---|---|---|

|                 |          |   |   |   |
|-----------------|----------|---|---|---|
| Other relatives | P0170006 | 9 | N | 6 |
|-----------------|----------|---|---|---|

|              |          |   |   |   |
|--------------|----------|---|---|---|
| Nonrelatives | P0170007 | 9 | N | 7 |
|--------------|----------|---|---|---|

In nonfamily households:

Male householder:

|              |          |   |   |   |
|--------------|----------|---|---|---|
| Living alone | P0170008 | 9 | N | 8 |
|--------------|----------|---|---|---|

|                  |          |   |   |   |
|------------------|----------|---|---|---|
| Not living alone | P0170009 | 9 | N | 9 |
|------------------|----------|---|---|---|

Female householder:

|              |          |   |   |    |
|--------------|----------|---|---|----|
| Living alone | P0170010 | 9 | N | 10 |
|--------------|----------|---|---|----|

|                  |          |   |   |    |
|------------------|----------|---|---|----|
| Not living alone | P0170011 | 9 | N | 11 |
|------------------|----------|---|---|----|

|              |          |   |   |    |
|--------------|----------|---|---|----|
| Nonrelatives | P0170012 | 9 | N | 12 |
|--------------|----------|---|---|----|

In group quarters:

|                           |          |   |   |    |
|---------------------------|----------|---|---|----|
| Institutionalized persons | P0170013 | 9 | N | 13 |
|---------------------------|----------|---|---|----|

|                                 |          |   |   |    |
|---------------------------------|----------|---|---|----|
| Other persons in group quarters | P0170014 | 9 | N | 14 |
|---------------------------------|----------|---|---|----|

|        |          |   |  |    |
|--------|----------|---|--|----|
| Filler | P0170015 | 9 |  | 15 |
|--------|----------|---|--|----|

P18. HOUSEHOLD TYPE AND RELATIONSHIP(12) [12]

Universe: Persons 65 years and over

In family households:

|                 |          |   |   |   |
|-----------------|----------|---|---|---|
| Householder     | P0180001 | 9 | N | 1 |
| Spouse          | P0180002 | 9 | N | 2 |
| Other relatives | P0180003 | 9 | N | 3 |
| Nonrelatives    | P0180004 | 9 | N | 4 |

In nonfamily households:

Male householder:

|                  |          |   |   |   |
|------------------|----------|---|---|---|
| Living alone     | P0180005 | 9 | N | 5 |
| Not living alone | P0180006 | 9 | N | 6 |

Female householder:

|                  |          |   |   |   |
|------------------|----------|---|---|---|
| Living alone     | P0180007 | 9 | N | 7 |
| Not living alone | P0180008 | 9 | N | 8 |
| Nonrelatives     | P0180009 | 9 | N | 9 |

In group quarters:

|                                 |          |   |   |    |
|---------------------------------|----------|---|---|----|
| Institutionalized persons       | P0180010 | 9 | N | 10 |
| Other persons in group quarters | P0180011 | 9 | N | 11 |
| Filler                          | P0180012 | 9 |   | 12 |

P19. HOUSEHOLD TYPE AND PRESENCE AND AGE OF CHILDREN(7) [7]

Universe: Households

Family households:

Married couple family:

|                                  |          |   |   |   |
|----------------------------------|----------|---|---|---|
| With own children under 18 years | P0190001 | 9 | N | 1 |
| No own children under 18 years   | P0190002 | 9 | N | 2 |

Other family:

Male householder, no wife present:

|                                  |          |   |   |   |
|----------------------------------|----------|---|---|---|
| With own children under 18 years | P0190003 | 9 | N | 3 |
| No own children under 18 years   | P0190004 | 9 | N | 4 |

Female householder, no husband present:

|                                  |          |   |   |   |
|----------------------------------|----------|---|---|---|
| With own children under 18 years | P0190005 | 9 | N | 5 |
| No own children under 18 years   | P0190006 | 9 | N | 6 |

|                      |          |   |   |   |
|----------------------|----------|---|---|---|
| Nonfamily households | P0190007 | 9 | N | 7 |
|----------------------|----------|---|---|---|

P20. RACE OF HOUSEHOLDER(5) BY HOUSEHOLD

TYPE AND PRESENCE AND AGE OF CHILDREN(7) [35]

Universe: Households

White:

Family households:

Married couple family:

|                                  |          |   |   |     |
|----------------------------------|----------|---|---|-----|
| With own children under 18 years | P0200001 | 9 | N | 1,1 |
| No own children under 18 years   | P0200002 | 9 | N | 1,2 |

Other family:

Male householder, no wife present:

|                                  |          |   |   |     |
|----------------------------------|----------|---|---|-----|
| With own children under 18 years | P0200003 | 9 | N | 1,3 |
| No own children under 18 years   | P0200004 | 9 | N | 1,4 |

Female householder, no husband present:

|   |          |       |   |     |
|---|----------|-------|---|-----|
| With own children under 18 years                            | P0200005 | 9     | N | 1,5 |
| No own children under 18 years                              | P0200006 | 9     | N | 1,6 |
| Nonfamily households  | P0200007 | 9     | N | 1,7 |
| Black:  |          |       |   |     |
| (Repeat HOUSEHOLD TYPE AND PRESENCE AND AGE OF CHILDREN)    | P0200008 | 63(1) | N | 2,1 |
| American Indian, Eskimo, or Aleut:                          |          |       |   |     |
| (Repeat HOUSEHOLD TYPE AND PRESENCE AND AGE OF CHILDREN)    | P0200015 | 63(1) | N | 3,1 |
| Asian or Pacific Islander:                                  |          |       |   |     |
| (Repeat HOUSEHOLD TYPE AND PRESENCE AND AGE OF CHILDREN)    | P0200022 | 63(1) | N | 4,1 |
| Other race:   |          |       |   |     |
| (Repeat HOUSEHOLD TYPE AND PRESENCE AND AGE OF CHILDREN)    | P0200029 | 63(1) | N | 5,1 |
| P21. HOUSEHOLD TYPE AND PRESENCE AND AGE OF CHILDREN(7) [7] |          |       |   |     |
| Universe: Households with householder of Hispanic origin    |          |       |   |     |
| Family households:  |          |       |   |     |
| Married couple family:                                      |          |       |   |     |
| With own children under 18 years                            | P0210001 | 9     | N | 1   |
| No own children under 18 years                              | P0210002 | 9     | N | 2   |
| Other family:   |          |       |   |     |
| Male householder, no wife present:                          |          |       |   |     |
| With own children under 18 years                            | P0210003 | 9     | N | 3   |
| No own children under 18 years                              | P0210004 | 9     | N | 4   |
| Female householder, no husband present:                     |          |       |   |     |
| With own children under 18 years                            | P0210005 | 9     | N | 5   |
| No own children under 18 years                              | P0210006 | 9     | N | 6   |
| Nonfamily households  | P0210007 | 9     | N | 7   |
| P22. FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN(6) [6]    |          |       |   |     |
| Universe: Families  |          |       |   |     |
| Married couple family:                                      |          |       |   |     |
| With children 18 years and over                             | P0220001 | 9     | N | 1   |
| No children 18 years and over                               | P0220002 | 9     | N | 2   |
| Other family:   |          |       |   |     |
| Male householder, no wife present:                          |          |       |   |     |
| With children 18 years and over                             | P0220003 | 9     | N | 3   |
| No children 18 years and over                               | P0220004 | 9     | N | 4   |
| Female householder, no husband present:                     |          |       |   |     |
| With children 18 years and over                             | P0220005 | 9     | N | 5   |
| No children 18 years and over                               | P0220006 | 9     | N | 6   |
| P23. FAMILY TYPE AND AGE OF CHILDREN(21) [21]               |          |       |   |     |
| Universe: Own children under 18 years                       |          |       |   |     |
| In married couple family:                                   |          |       |   |     |
| Under 3 years   | P0230001 | 9     | N | 1   |
| 3 and 4 years   | P0230002 | 9     | N | 2   |
| 5 years   | P0230003 | 9     | N | 3   |
| 6 to 11 years   | P0230004 | 9     | N | 4   |
| 12 and 13 years   | P0230005 | 9     | N | 5   |

|   |          |   |   |    |
|---|----------|---|---|----|
| 14 years                                | P0230006 | 9 | N | 6  |
| 15 to 17 years                          | P0230007 | 9 | N | 7  |
| In other family:                        |          |   |   |    |
| Male householder, no wife present:      |          |   |   |    |
| Under 3 years                           | P0230008 | 9 | N | 8  |
| 3 and 4 years                           | P0230009 | 9 | N | 9  |
| 5 years                                 | P0230010 | 9 | N | 10 |
| 6 to 11 years                           | P0230011 | 9 | N | 11 |
| 12 and 13 years                         | P0230012 | 9 | N | 12 |
| 14 years                                | P0230013 | 9 | N | 13 |
| 15 to 17 years                          | P0230014 | 9 | N | 14 |
| Female householder, no husband present: |          |   |   |    |
| Under 3 years                           | P0230015 | 9 | N | 15 |
| 3 and 4 years                           | P0230016 | 9 | N | 16 |
| 5 years                                 | P0230017 | 9 | N | 17 |
| 6 to 11 years                           | P0230018 | 9 | N | 18 |
| 12 and 13 years                         | P0230019 | 9 | N | 19 |
| 14 years                                | P0230020 | 9 | N | 20 |
| 15 to 17 years                          | P0230021 | 9 | N | 21 |

P24. HOUSEHOLD TYPE(2) BY AGE OF HOUSEHOLDER(7) [14]

Universe: Households

Family households:

|                   |          |   |   |     |
|-------------------|----------|---|---|-----|
| 15 to 24 years    | P0240001 | 9 | N | 1,1 |
| 25 to 34 years    | P0240002 | 9 | N | 1,2 |
| 35 to 44 years    | P0240003 | 9 | N | 1,3 |
| 45 to 54 years    | P0240004 | 9 | N | 1,4 |
| 55 to 64 years    | P0240005 | 9 | N | 1,5 |
| 65 to 74 years    | P0240006 | 9 | N | 1,6 |
| 75 years and over | P0240007 | 9 | N | 1,7 |

Nonfamily households:

|                             |          |     |   |     |
|-----------------------------|----------|-----|---|-----|
| (Repeat AGE OF HOUSEHOLDER) | P0240008 | 631 | N | 2,1 |
|-----------------------------|----------|-----|---|-----|

P25. SUBFAMILY TYPE AND PRESENCE AND AGE OF CHILDREN(4) [4]

Universe: Subfamilies

Married couple subfamily:

|                                  |          |   |   |   |
|----------------------------------|----------|---|---|---|
| With own children under 18 years | P0250001 | 9 | N | 1 |
| No own children under 18 years   | P0250002 | 9 | N | 2 |
| Mother child subfamily           | P0250003 | 9 | N | 3 |
| Father child subfamily           | P0250004 | 9 | N | 4 |

P26. SUBFAMILY TYPE AND RELATIONSHIP(7) [7]

Universe: Persons in subfamilies

Persons in married couple subfamily:

|                  |          |   |   |   |
|------------------|----------|---|---|---|
| Reference person | P0260001 | 9 | N | 1 |
| Spouse           | P0260002 | 9 | N | 2 |
| Child            | P0260003 | 9 | N | 3 |

Persons in mother child subfamily:

|        |          |   |   |   |
|--------|----------|---|---|---|
| Parent | P0260004 | 9 | N | 4 |
| Child  | P0260005 | 9 | N | 5 |

Persons in father child subfamily:

|        |          |   |   |   |
|--------|----------|---|---|---|
| Parent | P0260006 | 9 | N | 6 |
| Child  | P0260007 | 9 | N | 7 |

P27. SEX(2) BY MARITAL STATUS(6) [12]

Universe: Persons 15 years and over

Male:

|  |          |       |   |      |
|--|----------|-------|---|------|
| Never married  | P0270001 | 9     | N | 1,1  |
| Now married:   |          |       |   |      |
| Married, spouse present  | P0270002 | 9     | N | 1,2  |
| Married, spouse absent:  |          |       |   |      |
| Separated  | P0270003 | 9     | N | 1,3  |
| Other  | P0270004 | 9     | N | 1,4  |
| Widowed  | P0270005 | 9     | N | 1,5  |
| Divorced   | P0270006 | 9     | N | 1,6  |
| Female:  |          |       |   |      |
| (Repeat MARITAL STATUS)  | P0270007 | 541   | N | 2,1  |
| P28. AGE(3) BY LANGUAGE SPOKEN AT HOME AND ABILITY TO SPEAK ENGLISH(10) [30] |          |       |   |      |
| Universe: Persons 5 years and over   |          |       |   |      |
| 5 to 17 years:   |          |       |   |      |
| Speak only English   | P0280001 | 9     | N | 1,1  |
| Speak Spanish:   |          |       |   |      |
| Speak English "very well"  | P0280002 | 9     | N | 1,2  |
| Speak English "well"   | P0280003 | 9     | N | 1,3  |
| Speak English "not well"   |          |       |   |      |
| or "not at all"  | P0280004 | 9     | N | 1,4  |
| Speak Asian or Pacific Island language:                                      |          |       |   |      |
| Speak English "very well"  | P0280005 | 9     | N | 1,5  |
| Speak English "well"   | P0280006 | 9     | N | 1,6  |
| Speak English "not well"   |          |       |   |      |
| or "not at all"  | P0280007 | 9     | N | 1,7  |
| Speak other language:  |          |       |   |      |
| Speak English "very well"  | P0280008 | 9     | N | 1,8  |
| Speak English "well"   | P0280009 | 9     | N | 1,9  |
| Speak English "not well"   |          |       |   |      |
| or "not at all"  | P0280010 | 9     | N | 1,10 |
| 18 to 64 years:  |          |       |   |      |
| (Repeat LANGUAGE SPOKEN AT HOME AND ABILITY TO SPEAK ENGLISH)                | P0280011 | 90(1) | N | 2,1  |
| 65 years and over:   |          |       |   |      |
| (Repeat LANGUAGE SPOKEN AT HOME AND ABILITY TO SPEAK ENGLISH)                | P0280021 | 90(1) | N | 3,1  |
| P29. HOUSEHOLD LANGUAGE AND LINGUISTIC ISOLATION(7) [7]                      |          |       |   |      |
| Universe: Households   |          |       |   |      |
| English  | P0290001 | 9     | N | 1    |
| Spanish:   |          |       |   |      |
| Linguistically isolated  | P0290002 | 9     | N | 2    |
| Not linguistically isolated  | P0290003 | 9     | N | 3    |
| Asian or Pacific Island language:  |          |       |   |      |
| Linguistically isolated  | P0290004 | 9     | N | 4    |
| Not linguistically isolated  | P0290005 | 9     | N | 5    |
| Other language:  |          |       |   |      |
| Linguistically isolated  | P0290006 | 9     | N | 6    |
| Not linguistically isolated  | P0290007 | 9     | N | 7    |
| P30. AGE, LANGUAGE SPOKEN AT HOME, AND LINGUISTIC ISOLATION(33) [33]         |          |       |   |      |
| Universe: Persons 5 years and over   |          |       |   |      |
| Persons in households:   |          |       |   |      |
| 5 to 13 years:   |          |       |   |      |
| Speak only English:  |          |       |   |      |



|    |  |          |   |   |    |
|----|--|----------|---|---|----|
|    | Linguistically isolated:                             |          |   |   |    |
|    | Spanish spoken in household                          | P0300001 | 9 | N | 1  |
|    | Asian or Pacific Island language spoken in household | P0300002 | 9 | N | 2  |
|    | Other language spoken in household                   | P0300003 | 9 | N | 3  |
|    | Not linguistically isolated                          | P0300004 | 9 | N | 4  |
|    | Speak Spanish:                                       |          |   |   |    |
|    | Linguistically isolated                              | P0300005 | 9 | N | 5  |
|    | Not linguistically isolated                          | P0300006 | 9 | N | 6  |
|    | Speak Asian or Pacific Island language:              |          |   |   |    |
|    | Linguistically isolated                              | P0300007 | 9 | N | 7  |
|    | Not linguistically isolated                          | P0300008 | 9 | N | 8  |
|    | Speak other language:                                |          |   |   |    |
|    | Linguistically isolated                              | P0300009 | 9 | N | 9  |
|    | Not linguistically isolated                          | P0300010 | 9 | N | 10 |
| 14 | to 17 years:   |          |   |   |    |
|    | Speak only English                                   | P0300011 | 9 | N | 11 |
|    | Speak Spanish:                                       |          |   |   |    |
|    | Linguistically isolated                              | P0300012 | 9 | N | 12 |
|    | Not linguistically isolated                          | P0300013 | 9 | N | 13 |
|    | Speak Asian or Pacific Island language:              |          |   |   |    |
|    | Linguistically isolated                              | P0300014 | 9 | N | 14 |
|    | Not linguistically isolated                          | P0300015 | 9 | N | 15 |
|    | Speak other language:                                |          |   |   |    |
|    | Linguistically isolated                              | P0300016 | 9 | N | 16 |
|    | Not linguistically isolated                          | P0300017 | 9 | N | 17 |
| 18 | to 64 years:   |          |   |   |    |
|    | Speak only English                                   | P0300018 | 9 | N | 18 |
|    | Speak Spanish:                                       |          |   |   |    |
|    | Linguistically isolated                              | P0300019 | 9 | N | 19 |
|    | Not linguistically isolated                          | P0300020 | 9 | N | 20 |
|    | Speak Asian or Pacific Island language:              |          |   |   |    |
|    | Linguistically isolated                              | P0300021 | 9 | N | 21 |
|    | Not linguistically isolated                          | P0300022 | 9 | N | 22 |
|    | Speak other language:                                |          |   |   |    |
|    | Linguistically isolated                              | P0300023 | 9 | N | 23 |
|    | Not linguistically isolated                          | P0300024 | 9 | N | 24 |
| 65 | years and over:                                      |          |   |   |    |
|    | Speak only English                                   | P0300025 | 9 | N | 25 |
|    | Speak Spanish:                                       |          |   |   |    |
|    | Linguistically isolated                              | P0300026 | 9 | N | 26 |
|    | Not linguistically isolated                          | P0300027 | 9 | N | 27 |
|    | Speak Asian or Pacific Island language:              |          |   |   |    |
|    | Linguistically isolated                              | P0300028 | 9 | N | 28 |
|    | Not linguistically isolated                          | P0300029 | 9 | N | 29 |
|    | Speak other language:                                |          |   |   |    |
|    | Linguistically isolated                              | P0300030 | 9 | N | 30 |
|    | Not linguistically isolated                          | P0300031 | 9 | N | 31 |
|    | Persons in group quarters                            | P0300032 | 9 | N | 32 |
|    | Filler   | P0300033 | 9 |   | 33 |

P31. LANGUAGE SPOKEN AT HOME(26) [26]

Universe: Persons 5 years and over

|   |          |   |   |    |
|---|----------|---|---|----|
| Speak only English  | P0310001 | 9 | N | 1  |
| German (607, 613)   | P0310002 | 9 | N | 2  |
| Yiddish (609)   | P0310003 | 9 | N | 3  |
| Other West Germanic language (608, 610 612)   | P0310004 | 9 | N | 4  |
| Scandinavian (614 618)  | P0310005 | 9 | N | 5  |
| Greek (637)   | P0310006 | 9 | N | 6  |
| Indic (662 678)   | P0310007 | 9 | N | 7  |
| Italian (619)   | P0310008 | 9 | N | 8  |
| French or French Creole (620 624)   | P0310009 | 9 | N | 9  |
| Portuguese or Portuguese Creole (629 630)   | P0310010 | 9 | N | 10 |
| Spanish or Spanish Creole (625, 627 628)  | P0310011 | 9 | N | 11 |
| Polish (645)  | P0310012 | 9 | N | 12 |
| Russian (639)   | P0310013 | 9 | N | 13 |
| South Slavic (647 652)  | P0310014 | 9 | N | 14 |
| Other Slavic language (640 644, 646)  | P0310015 | 9 | N | 15 |
| Other Indo European language (601 606, 626, 631 636, 638, 653 661)  | P0310016 | 9 | N | 16 |
| Arabic (777)  | P0310017 | 9 | N | 17 |
| Tagalog (742)   | P0310018 | 9 | N | 18 |
| Chinese (708 715)   | P0310019 | 9 | N | 19 |
| Hungarian (682)   | P0310020 | 9 | N | 20 |
| Japanese (723)  | P0310021 | 9 | N | 21 |
| Mon Khmer (726)   | P0310022 | 9 | N | 22 |
| Korean (724)  | P0310023 | 9 | N | 23 |
| Native North American languages (800 955, 959 966, 977 982)   | P0310024 | 9 | N | 24 |
| Vietnamese (728)  | P0310025 | 9 | N | 25 |
| Other and unspecified languages (679 681, 683 707, 716 722, 725, 727, 729 741, 743 776, 778 799, 956 958, 967 976, 983 999) | P0310026 | 9 | N | 26 |

P32. ANCESTRY(4) [4]

Universe: Persons

Ancestry specified:

|                       |          |   |   |   |
|-----------------------|----------|---|---|---|
| Single ancestry       | P0320001 | 9 | N | 1 |
| Multiple ancestry     | P0320002 | 9 | N | 2 |
| Ancestry unclassified | P0320003 | 9 | N | 3 |
| Ancestry not reported | P0320004 | 9 | N | 4 |

P33. ANCESTRY(36) [36]

Universe: Persons

First ancestry reported (000 999):

|  |          |   |   |   |
|--|----------|---|---|---|
| Arab (400 415, 417 418, 421 430, 435 481, 490 499) | P0330001 | 9 | N | 1 |
| Austrian (003 004)                                 | P0330002 | 9 | N | 2 |
| Belgian (008 010)                                  | P0330003 | 9 | N | 3 |
| Canadian (931 934)                                 | P0330004 | 9 | N | 4 |
| Czech (111 114)                                    | P0330005 | 9 | N | 5 |
| Danish (020, 023)                                  | P0330006 | 9 | N | 6 |
| Dutch (021, 029)                                   | P0330007 | 9 | N | 7 |

|  |          |   |   |    |
|--|----------|---|---|----|
| English (015, 022)   | P0330008 | 9 | N | 8  |
| Finnish (024 025)  | P0330009 | 9 | N | 9  |
| French (except Basque)<br>(000 001, 016, 026 028, 083)   | P0330010 | 9 | N | 10 |
| French Canadian (935 938)  | P0330011 | 9 | N | 11 |
| German (032 045)   | P0330012 | 9 | N | 12 |
| Greek (046 048)  | P0330013 | 9 | N | 13 |
| Hungarian (125 126)  | P0330014 | 9 | N | 14 |
| Irish (050, 081, 099)  | P0330015 | 9 | N | 15 |
| Italian (030 031, 051 074)   | P0330016 | 9 | N | 16 |
| Lithuanian (129)   | P0330017 | 9 | N | 17 |
| Norwegian (082)  | P0330018 | 9 | N | 18 |
| Polish (142 143)   | P0330019 | 9 | N | 19 |
| Portuguese (084 086)   | P0330020 | 9 | N | 20 |
| Romanian (144 147)   | P0330021 | 9 | N | 21 |
| Russian (148 151)  | P0330022 | 9 | N | 22 |
| Scotch Irish (087)   | P0330023 | 9 | N | 23 |
| Scottish (088)   | P0330024 | 9 | N | 24 |
| Slovak (153)   | P0330025 | 9 | N | 25 |
| Subsaharan African (500 599)   | P0330026 | 9 | N | 26 |
| Swedish (089 090)  | P0330027 | 9 | N | 27 |
| Swiss (091 096)  | P0330028 | 9 | N | 28 |
| Ukrainian (171 174)  | P0330029 | 9 | N | 29 |
| United States or American (939 994)  | P0330030 | 9 | N | 30 |
| Welsh (097)  | P0330031 | 9 | N | 31 |
| West Indian (excluding Hispanic<br>origin groups) (300 359)  | P0330032 | 9 | N | 32 |
| Yugoslavian (152, 154, 176 177)  | P0330032 | 9 | N | 33 |
| Race or Hispanic origin groups<br>(200 299, 900 928)   | P0330034 | 9 | N | 34 |
| Other groups (002, 005 007, 011<br>014, 017 019, 049,<br>075 080, 098, 100 110, 115 124,<br>127 128, 130 141,155 170, 175,<br>178 199, 360 399, 416, 419 420,431<br>434, 482 489, 600 862, 929 930, 998) | P0330035 | 9 | N | 35 |
| Unclassified or not reported<br>(863 899, 995 997, 999)  | P0330036 | 9 | N | 36 |

P34. ANCESTRY(36) [36]

Universe: Persons

Second ancestry reported (000 999):

|  |          |   |   |    |
|--|----------|---|---|----|
| Arab (400 415, 417 418, 421 430,<br>435 481, 490 499)  | P0340001 | 9 | N | 1  |
| Austrian (003 004)                                     | P0340002 | 9 | N | 2  |
| Belgian (008 010)                                      | P0340003 | 9 | N | 3  |
| Canadian (931 934)                                     | P0340004 | 9 | N | 4  |
| Czech (111 114)  | P0340005 | 9 | N | 5  |
| Danish (020, 023)                                      | P0340006 | 9 | N | 6  |
| Dutch (021, 029)                                       | P0340007 | 9 | N | 7  |
| English (015, 022)                                     | P0340008 | 9 | N | 8  |
| Finnish (024 025)                                      | P0340009 | 9 | N | 9  |
| French (except Basque) (000 001,<br>016, 026 028, 083) | P0340010 | 9 | N | 10 |
| French Canadian (935 938)                              | P0340011 | 9 | N | 11 |
| German (032 045)                                       | P0340012 | 9 | N | 12 |
| Greek (046 048)  | P0340013 | 9 | N | 13 |

|   |          |   |   |    |
|---|----------|---|---|----|
| Hungarian (125 126)   | P0340014 | 9 | N | 14 |
| Irish (050, 081, 099)   | P0340015 | 9 | N | 15 |
| Italian (030 031, 051 074)  | P0340016 | 9 | N | 16 |
| Lithuanian (129)  | P0340017 | 9 | N | 17 |
| Norwegian (082)   | P0340018 | 9 | N | 18 |
| Polish (142 143)  | P0340019 | 9 | N | 19 |
| Portuguese (084 086)  | P0340020 | 9 | N | 20 |
| Romanian (144 147)  | P0340021 | 9 | N | 21 |
| Russian (148 151)   | P0340022 | 9 | N | 22 |
| Scotch Irish (087)  | P0340023 | 9 | N | 23 |
| Scottish (088)  | P0340024 | 9 | N | 24 |
| Slovak (153)  | P0340025 | 9 | N | 25 |
| Subsaharan African (500 599)  | P0340026 | 9 | N | 26 |
| Swedish (089 090)   | P0340027 | 9 | N | 27 |
| Swiss (091 096)   | P0340028 | 9 | N | 28 |
| Ukrainian (171 174)   | P0340029 | 9 | N | 29 |
| United States or American (939 994)   | P0340030 | 9 | N | 30 |
| Welsh (097)   | P0340032 | 9 | N | 31 |
| West Indian (excluding Hispanic<br>origin groups) (300 359)   | P0340032 | 9 | N | 32 |
| Yugoslavian (152, 154, 176 177)   | P0340033 | 9 | N | 33 |
| Race or Hispanic origin groups<br>(200 299, 900 928)  | P0340034 | 9 | N | 34 |
| Other groups (002, 005 007, 011<br>014, 017 019, 049,<br>075 080, 098, 100 110, 115 124,<br>127 128, 130 141, 155 170, 175,<br>178 199, 360 399, 416, 419 420,<br>431 434, 482 489, 600 862, 929<br>930, 998) | P0340035 | 9 | N | 35 |
| Unclassified or not reported<br>(863 899, 995 997, 999)   | P0340036 | 9 | N | 36 |

P35. ANCESTRY(37) [37]

Universe: Persons

Reported single ancestry

(000 862, 900 994, 998):

|  |          |   |   |    |
|--|----------|---|---|----|
| Arab (400 415, 417 418, 421 430,<br>435 481, 490 499)  | P0350001 | 9 | N | 1  |
| Austrian (003 004)                                     | P0350002 | 9 | N | 2  |
| Belgian (008 010)                                      | P0350003 | 9 | N | 3  |
| Canadian (931 934)                                     | P0350004 | 9 | N | 4  |
| Czech (111 114)  | P0350005 | 9 | N | 5  |
| Danish (020, 023)                                      | P0350006 | 9 | N | 6  |
| Dutch (021, 029)                                       | P0350007 | 9 | N | 7  |
| English (015, 022)                                     | P0350008 | 9 | N | 8  |
| Finnish (024 025)                                      | P0350009 | 9 | N | 9  |
| French (except Basque)<br>(000 001, 016, 026 028, 083) | P0350010 | 9 | N | 10 |
| French Canadian (935 938)                              | P0350011 | 9 | N | 11 |
| German (032 045)                                       | P0350012 | 9 | N | 12 |
| Greek (046 048)  | P0350013 | 9 | N | 13 |
| Hungarian (125 126)                                    | P0350014 | 9 | N | 14 |
| Irish (050, 081, 099)                                  | P0350015 | 9 | N | 15 |
| Italian (030 031, 051 074)                             | P0350016 | 9 | N | 16 |
| Lithuanian (129)                                       | P0350017 | 9 | N | 17 |
| Norwegian (082)  | P0350018 | 9 | N | 18 |

|  |          |       |   |     |
|--|----------|-------|---|-----|
| Polish (142 143)   | P0350019 | 9     | N | 19  |
| Portuguese (084 086)   | P0350020 | 9     | N | 20  |
| Romanian (144 147)   | P0350021 | 9     | N | 21  |
| Russian (148 151)  | P0350022 | 9     | N | 22  |
| Scotch Irish (087)   | P0350023 | 9     | N | 23  |
| Scottish (088)   | P0350024 | 9     | N | 24  |
| Slovak (153)   | P0350025 | 9     | N | 25  |
| Subsaharan African (500 599)   | P0350026 | 9     | N | 26  |
| Swedish (089 090)  | P0350027 | 9     | N | 27  |
| Swiss (091 096)  | P0350028 | 9     | N | 28  |
| Ukrainian (171 174)  | P0350029 | 9     | N | 29  |
| United States or American (939 994)  | P0350030 | 9     | N | 30  |
| Welsh (097)  | P0350031 | 9     | N | 31  |
| West Indian (excluding Hispanic<br>origin groups) (300 359)  | P0350032 | 9     | N | 32  |
| Yugoslavian (152, 154, 176 177)  | P0350033 | 9     | N | 33  |
| Race or Hispanic origin groups<br>(200 299, 900 928)   | P0350034 | 9     | N | 34  |
| Other groups (002, 005 007, 011<br>014, 017 019, 049,<br>075 080, 098, 100 110, 115 124,<br>127 128, 130 141,155 170, 175, 178<br>199, 360 399, 416, 419 420,<br>431 434, 482 489, 600 862, 929<br>930, 998) | P0350035 | 9     | N | 35  |
| Reported multiple ancestry (000 998)   | P0350036 | 9     | N | 36  |
| Unclassified or not reported<br>(863 899, 995 997, 999)  | P0350037 | 9     | N | 37  |
| P36. YEAR OF ENTRY(10) [10]  |          |       |   |     |
| Universe: Foreign born persons   |          |       |   |     |
| 1987 to 1990   | P0360001 | 9     | N | 1   |
| 1985 or 1986   | P0360002 | 9     | N | 2   |
| 1982 to 1984   | P0360003 | 9     | N | 3   |
| 1980 or 1981   | P0360004 | 9     | N | 4   |
| 1975 to 1979   | P0360005 | 9     | N | 5   |
| 1970 to 1974   | P0360006 | 9     | N | 6   |
| 1965 to 1969   | P0360007 | 9     | N | 7   |
| 1960 to 1964   | P0360008 | 9     | N | 8   |
| 1950 to 1959   | P0360009 | 9     | N | 9   |
| Before 1950  | P0360010 | 9     | N | 10  |
| P37. AGE(2)  |          |       |   |     |
| BY CITIZENSHIP(3) [6]  |          |       |   |     |
| Universe: Persons  |          |       |   |     |
| Under 18 years:  |          |       |   |     |
| Native   | P0370001 | 9     | N | 1,1 |
| Foreign born:  |          |       |   |     |
| Naturalized citizen  | P0370002 | 9     | N | 1,2 |
| Not a citizen  | P0370003 | 9     | N | 1,3 |
| 18 years and over:   |          |       |   |     |
| (Repeat CITIZENSHIP)   | P0370004 | 27(1) | N | 2,1 |
| P38. MARITAL STATUS(2) BY AGE(4) [8]   |          |       |   |     |
| Universe: Females 15 years and over  |          |       |   |     |
| Never married:   |          |       |   |     |
| 15 to 24 years   | P0380001 | 9     | N | 1,1 |

|   |          |       |   |       |
|---|----------|-------|---|-------|
| 25 to 34 years                                    | P0380002 | 9     | N | 1,2   |
| 35 to 44 years                                    | P0380003 | 9     | N | 1,3   |
| 45 years and over                                 | P0380004 | 9     | N | 1,4   |
| Ever married:                                     |          |       |   |       |
| (Repeat AGE)                                      | P0380005 | 36(1) | N | 2,1   |
| P39. AGGREGATE NUMBER OF CHILDREN EVER BORN(1) BY |          |       |   |       |
| MARITAL STATUS(2) BY AGE(4) [8]                   |          |       |   |       |
| Universe: Females 15 years and over               |          |       |   |       |
| Total:  |          |       |   |       |
| Never married:                                    |          |       |   |       |
| 15 to 24 years                                    | P0390001 | 9     | N | 1,1,1 |
| 25 to 34 years                                    | P0390002 | 9     | N | 1,1,2 |
| 35 to 44 years                                    | P0390003 | 9     | N | 1,1,3 |
| 45 years and over                                 | P0390004 | 9     | N | 1,1,4 |
| Ever married:                                     |          |       |   |       |
| (Repeat AGE)                                      | P0390005 | 36(1) | N | 1,2,1 |
| P40. GROUP QUARTERS(10) [10]                      |          |       |   |       |
| Universe: Persons in group quarters               |          |       |   |       |
| Institutionalized persons (00I 99I):              |          |       |   |       |
| Correctional institutions                         |          |       |   |       |
| (20I 24I, 27I, 28I, 95I)                          | P0400001 | 9     | N | 1     |
| Nursing homes (60I 67I)                           | P0400002 | 9     | N | 2     |
| Mental (Psychiatric) hospitals                    |          |       |   |       |
| (45I 48I)   | P0400003 | 9     | N | 3     |
| Juvenile institutions (01I 05I,                   |          |       |   |       |
| 10I 12I, 15I)                                     | P0400004 | 9     | N | 4     |
| Other institutions (00I, 06I 09I,                 |          |       |   |       |
| 13I, 14I, 16I 19I,                                | P0400005 | 9     | N | 5     |
| 25I, 26I, 29I 44I, 49I 59I, 68I                   |          |       |   |       |
| 94I, 96I 99I)                                     |          |       |   |       |
| Other persons in group quarters (00N 99N):        |          |       |   |       |
| College dormitories (87N)                         | P0400006 | 9     | N | 6     |
| Military quarters (96N 98N)                       | P0400007 | 9     | N | 7     |
| Emergency shelters for homeless                   |          |       |   |       |
| persons (82N, 83N)                                | P0400008 | 9     | N | 8     |
| Visible in street locations                       |          |       |   |       |
| (84N, 85N)  | P0400009 | 9     | N | 9     |
| Other noninstitutional group                      |          |       |   |       |
| quarters (00N 81N,                                | P0400010 | 9     | N | 10    |
| 86N, 88N 95N, 99N)                                |          |       |   |       |
| P41. GROUP QUARTERS(2) BY AGE(3) [6]              |          |       |   |       |
| Universe: Persons in group quarters               |          |       |   |       |
| Institutionalized persons:                        |          |       |   |       |
| Under 18 years                                    | P0410001 | 9     | N | 1,1   |
| 18 to 64 years                                    | P0410002 | 9     | N | 1,2   |
| 65 years and over                                 | P0410003 | 9     | N | 1,3   |
| Other persons in group quarters:8451              |          |       |   |       |
| (Repeat AGE)                                      | P0410004 | 27(1) | N | 2,1   |
| P42. PLACE OF BIRTH(9) [9]                        |          |       |   |       |
| Universe: Persons                                 |          |       |   |       |
| Native (001 099):                                 |          |       |   |       |
| Born in State of residence                        | P0420001 | 9     | N | 1     |
| Born in other State in the United                 |          |       |   |       |

|   |          |   |   |  |    |
|---|----------|---|---|--|----|
| States (001 059):   |          |   |   |  |    |
| Northeast (009, 023, 025, 033<br>034, 036, 042 044, 050)                                    | P0420002 | 9 | N |  | 2  |
| Midwest (017 020, 026 027, 029,<br>031, 038 039, 046, 055)                                  | P0420003 | 9 | N |  | 3  |
| South (001, 005, 010 014, 021<br>022, 024, 028,<br>037, 040, 045, 047 048, 051<br>052, 054) | P0420004 | 9 | N |  | 4  |
| West (002 004, 006 008, 015<br>016, 030, 032, 035,<br>041, 049, 053, 056 059)               | P0420005 | 9 | N |  | 5  |
| Born outside the United States (060 099):   |          |   |   |  |    |
| Puerto Rico (072 075)   | P0420006 | 9 | N |  | 6  |
| U.S. outlying area (060 071,<br>076 099)  | P0420007 | 9 | N |  | 7  |
| Born abroad of American parent(s)   | P0420008 | 9 | N |  | 8  |
| Foreign born (100 999)  | P0420009 | 9 | N |  | 9  |
| P43. RESIDENCE IN 1985 STATE AND COUNTY LEVEL(10) [10]                                      |          |   |   |  |    |
| Universe: Persons 5 years and over  |          |   |   |  |    |
| Same house in 1985  | P0430001 | 9 | N |  | 1  |
| Different house in United States<br>in 1985:  |          |   |   |  |    |
| Same county   | P0430002 | 9 | N |  | 2  |
| Different county:   |          |   |   |  |    |
| Same State  | P0430003 | 9 | N |  | 3  |
| Different State:  |          |   |   |  |    |
| Northeast   | P0430004 | 9 | N |  | 4  |
| Midwest   | P0430005 | 9 | N |  | 5  |
| South   | P0430006 | 9 | N |  | 6  |
| West  | P0430007 | 9 | N |  | 7  |
| Abroad in 1985:   |          |   |   |  |    |
| Puerto Rico   | P0430008 | 9 | N |  | 8  |
| U.S. outlying area  | P0430009 | 9 | N |  | 9  |
| Foreign country   | P0430010 | 9 | N |  | 10 |
| P44. RESIDENCE IN 1985 MSA/PMSA LEVEL(12) [12]  |          |   |   |  |    |
| Universe: Persons 5 years and over  |          |   |   |  |    |
| Living in an MSA/PMSA in 1990:  |          |   |   |  |    |
| Same house in 1985  | P0440001 | 9 | N |  | 1  |
| Different house in United States in 1985:   |          |   |   |  |    |
| This MSA/PMSA in 1985:  |          |   |   |  |    |
| Central city  | P0440002 | 9 | N |  | 2  |
| Remainder of this MSA/PMSA  | P0440003 | 9 | N |  | 3  |
| Different MSA/PMSA in 1985:   |          |   |   |  |    |
| Central city  | P0440004 | 9 | N |  | 4  |
| Remainder of different<br>MSA/PMSA  |          |   |   |  |    |
| Not in an MSA/PMSA in 1985  | P0440005 | 9 | N |  | 5  |
| Not in an MSA/PMSA in 1985  | P0440006 | 9 | N |  | 6  |
| Abroad in 1985  | P0440007 | 9 | N |  | 7  |
| Not living in an MSA/PMSA in 1990:  |          |   |   |  |    |
| Same house in 1985  | P0440008 | 9 | N |  | 8  |
| Different house in United States in 1985:   |          |   |   |  |    |
| In an MSA/PMSA in 1985:   |          |   |   |  |    |
| Central city  | P0440009 | 9 | N |  | 9  |
| Remainder of MSA/PMSA   | P0440010 | 9 | N |  | 10 |

|  |          |   |   |    |
|--|----------|---|---|----|
| Not in an MSA/PMSA in 1985                           | P0440011 | 9 | N | 11 |
| Abroad in 1985                                       | P0440012 | 9 | N | 12 |
| P45. PLACE OF WORK STATE AND COUNTY LEVEL(3) [3]     |          |   |   |    |
| Universe: Workers 16 years and over                  |          |   |   |    |
| Worked in State of residence:                        |          |   |   |    |
| Worked in county of residence                        | P0450001 | 9 | N | 1  |
| Worked outside county of residence                   | P0450002 | 9 | N | 2  |
| Worked outside State of residence                    | P0450003 | 9 | N | 3  |
| P46. PLACE OF WORK PLACE LEVEL(3) [3]                |          |   |   |    |
| Universe: Workers 16 years and over                  |          |   |   |    |
| Living in a place:                                   |          |   |   |    |
| Worked in place of residence                         | P0460001 | 9 | N | 1  |
| Worked outside place of residence                    | P0460002 | 9 | N | 2  |
| Not living in a place                                | P0460003 | 9 | N | 3  |
| P47. PLACE OF WORK MSA/PMSA LEVEL(8) [8]             |          |   |   |    |
| Universe: Workers 16 years and over                  |          |   |   |    |
| Living in an MSA/PMSA:                               |          |   |   |    |
| Worked in MSA/PMSA of residence:                     |          |   |   |    |
| Central city   | P0470001 | 9 | N | 1  |
| Remainder of this MSA/PMSA                           | P0470002 | 9 | N | 2  |
| Worked outside MSA/PMSA of residence:                |          |   |   |    |
| Worked in a different MSA/PMSA:                      |          |   |   |    |
| Central city   | P0470003 | 9 | N | 3  |
| Remainder of different MSA/PMSA                      | P0460004 | 9 | N | 4  |
| Worked outside any MSA/PMSA                          | P0470005 | 9 | N | 5  |
| Not living in an MSA/PMSA:                           |          |   |   |    |
| Worked in an MSA/PMSA:                               |          |   |   |    |
| Central city   | P0470006 | 9 | N | 6  |
| Remainder of MSA/PMSA                                | P0470007 | 9 | N | 7  |
| Worked outside any MSA/PMSA                          | P0470008 | 9 | N | 8  |
| P48. PLACE OF WORK MINOR CIVIL DIVISION LEVEL(3) [3] |          |   |   |    |
| Universe: Workers 16 years and over                  |          |   |   |    |
| Living in the 9 Northeastern States:                 |          |   |   |    |
| Worked in the minor civil division of residence      | P0480001 | 9 | N | 1  |
| Worked outside minor civil division of residence     | P0480002 | 9 | N | 2  |
| Not living in the 9 Northeastern States              | P0480003 | 9 | N | 3  |
| P49. MEANS OF TRANSPORTATION TO WORK(13) [13]        |          |   |   |    |
| Universe: Workers 16 years and over                  |          |   |   |    |
| Car, truck, or van:                                  |          |   |   |    |
| Drove alone  | P0490001 | 9 | N | 1  |
| Carpooled  | P0490002 | 9 | N | 2  |
| Public transportation:9                              |          |   |   |    |
| Bus or trolley bus                                   | P0490003 | 9 | N | 3  |
| Streetcar or trolley car                             | P0490004 | 9 | N | 4  |
| Subway or elevated                                   | P0490005 | 9 | N | 5  |
| Railroad   | P0490006 | 9 | N | 6  |
| Ferryboat  | P0490007 | 9 | N | 7  |
| Taxicab  | P0490008 | 9 | N | 8  |



|                |          |   |   |    |
|----------------|----------|---|---|----|
| Motorcycle     | P0490009 | 9 | N | 9  |
| Bicycle        | P0490010 | 9 | N | 10 |
| Walked         | P0490011 | 9 | N | 11 |
| Other means    | P0490012 | 9 | N | 12 |
| Worked at home | P0490013 | 9 | N | 13 |

P50. TRAVEL TIME TO WORK(13) [13]

Universe: Workers 16 years and over

Did not work at home:

|                     |          |   |   |    |
|---------------------|----------|---|---|----|
| Less than 5 minutes | P0500001 | 9 | N | 1  |
| 5 to 9 minutes      | P0500002 | 9 | N | 2  |
| 10 to 14 minutes    | P0500003 | 9 | N | 3  |
| 15 to 19 minutes    | P0500004 | 9 | N | 4  |
| 20 to 24 minutes    | P0400005 | 9 | N | 5  |
| 25 to 29 minutes    | P0500006 | 9 | N | 6  |
| 30 to 34 minutes    | P0500007 | 9 | N | 7  |
| 35 to 39 minutes    | P0400008 | 9 | N | 8  |
| 40 to 44 minutes    | P0500009 | 9 | N | 9  |
| 45 to 59 minutes    | P0500010 | 9 | N | 10 |
| 60 to 89 minutes    | P0500011 | 9 | N | 11 |
| 90 or more minutes  | P0500012 | 9 | N | 12 |
| Worked at home      | P0500013 | 9 | N | 13 |

P51. AGGREGATE TRAVEL TIME TO WORK (IN MINUTES)(1) [1]

Universe: Workers 16 years and over

who did not work at home

|       |          |   |   |   |
|-------|----------|---|---|---|
| Total | P0510001 | 9 | N | 1 |
|-------|----------|---|---|---|

P52. TIME LEAVING HOME TO GO TO WORK(15) [15]

Universe: Workers 16 years and over

Did not work at home:

|                          |          |   |   |    |
|--------------------------|----------|---|---|----|
| 12:00 a.m. to 4:59 a.m.  | P0520001 | 9 | N | 1  |
| 5:00 a.m. to 5:29 a.m.   | P0520002 | 9 | N | 2  |
| 5:30 a.m. to 5:59 a.m.   | P0520003 | 9 | N | 3  |
| 6:00 a.m. to 6:29 a.m.   | P0520004 | 9 | N | 4  |
| 6:30 a.m. to 6:59 a.m.   | P0520005 | 9 | N | 5  |
| 7:00 a.m. to 7:29 a.m.   | P0520006 | 9 | N | 6  |
| 7:30 a.m. to 7:59 a.m.   | P0520007 | 9 | N | 7  |
| 8:00 a.m. to 8:29 a.m.   | P0520008 | 9 | N | 8  |
| 8:30 a.m. to 8:59 a.m.   | P0520009 | 9 | N | 9  |
| 9:00 a.m. to 9:59 a.m.   | P0520010 | 9 | N | 10 |
| 10:00 a.m. to 10:59 a.m. | P0520011 | 9 | N | 11 |
| 11:00 a.m. to 11:59 a.m. | P0520012 | 9 | N | 12 |
| 12:00 p.m. to 3:59 p.m.  | P0520013 | 9 | N | 13 |
| 4:00 p.m. to 11:59 p.m.  | P0520014 | 9 | N | 14 |
| Worked at home           | P0520015 | 9 | N | 15 |

P53. PRIVATE VEHICLE OCCUPANCY(8) [8]

Universe: Workers 16 years and over

Car, truck, or van:

|                     |          |   |   |   |
|---------------------|----------|---|---|---|
| Drove alone         | P0530001 | 9 | N | 1 |
| In 2 person carpool | P0530002 | 9 | N | 2 |
| In 3 person carpool | P0530003 | 9 | N | 3 |
| In 4 person carpool | P0530004 | 9 | N | 4 |
| In 5 person carpool | P0530005 | 9 | N | 5 |
| In 6 person carpool | P0530006 | 9 | N | 6 |

|   |          |     |   |     |
|---|----------|-----|---|-----|
| In 7 or more person carpool                           | P0530007 | 9   | N | 7   |
| Other means   | P0530008 | 9   | N | 8   |
| P54. SCHOOL ENROLLMENT AND TYPE OF SCHOOL(7) [7]      |          |     |   |     |
| Universe: Persons 3 years and over                    |          |     |   |     |
| Enrolled in preprimary school:                        |          |     |   |     |
| Public school   | P0540001 | 9   | N | 1   |
| Private school  | P0540002 | 9   | N | 2   |
| Enrolled in elementary or high school:                |          |     |   |     |
| Public school   | P0540003 | 9   | N | 3   |
| Private school  | P0540004 | 9   | N | 4   |
| Enrolled in college:                                  |          |     |   |     |
| Public school   | P0540005 | 9   | N | 5   |
| Private school  | P0540006 | 9   | N | 6   |
| Not enrolled in school                                | P0540007 | 9   | N | 7   |
| P55. RACE(5) BY SCHOOL ENROLLMENT(4) [20]             |          |     |   |     |
| Universe: Persons 3 years and over                    |          |     |   |     |
| White:  |          |     |   |     |
| Enrolled in preprimary school                         | P0550001 | 9   | N | 1,1 |
| Enrolled in elementary or high school                 | P0550002 | 9   | N | 1,2 |
| Enrolled in college                                   | P0550003 | 9   | N | 1,3 |
| Not enrolled in school                                | P0550004 | 9   | N | 1,4 |
| Black:  |          |     |   |     |
| (Repeat SCHOOL ENROLLMENT)                            | P0550005 | 361 | N | 2,1 |
| American Indian, Eskimo, or Aleut:                    |          |     |   |     |
| (Repeat SCHOOL ENROLLMENT)                            | P0550009 | 361 | N | 3,1 |
| Asian or Pacific Islander:                            |          |     |   |     |
| (Repeat SCHOOL ENROLLMENT)                            | P0550013 | 361 | N | 4,1 |
| Other race:   |          |     |   |     |
| (Repeat SCHOOL ENROLLMENT)                            | P0550017 | 361 | N | 5,1 |
| P56. SCHOOL ENROLLMENT(4) [4]                         |          |     |   |     |
| Universe: Persons of Hispanic origin 3 years and over |          |     |   |     |
| Enrolled in preprimary school                         | P0560001 | 9   | N | 1   |
| Enrolled in elementary or high school                 | P0560002 | 9   | N | 2   |
| Enrolled in college                                   | P0560003 | 9   | N | 3   |
| Not enrolled in school                                | P0560004 | 9   | N | 4   |
| P57. EDUCATIONAL ATTAINMENT(7) [7]                    |          |     |   |     |
| Universe: Persons 25 years and over                   |          |     |   |     |
| Less than 9th grade                                   | P0570001 | 9   | N | 1   |
| 9th to 12th grade, no diploma                         | P0570002 | 9   | N | 2   |
| High school graduate (includes equivalency)           | P0570003 | 9   | N | 3   |
| Some college, no degree                               | P0570004 | 9   | N | 4   |
| Associate degree                                      | P0570005 | 9   | N | 5   |
| Bachelor's degree                                     | P0570006 | 9   | N | 6   |
| Graduate or professional degree                       | P0570007 | 9   | N | 7   |
| P58. RACE(5) BY EDUCATIONAL ATTAINMENT(7) [35]        |          |     |   |     |
| Universe: Persons 25 years and over                   |          |     |   |     |
| White:  |          |     |   |     |
| Less than 9th grade                                   | P0580001 | 9   | N | 1,1 |
| 9th to 12th grade, no diploma                         | P0580002 | 9   | N | 1,2 |
| High school graduate (includes                        |          |     |   |     |

|  |          |       |   |     |
|--|----------|-------|---|-----|
| equivalency)   | P0580003 | 9     | N | 1,3 |
| Some college, no degree                                | P0580004 | 9     | N | 1,4 |
| Associate degree                                       | P0580005 | 9     | N | 1,5 |
| Bachelor's degree                                      | P0580006 | 9     | N | 1,6 |
| Graduate or professional degree                        | P0580007 | 9     | N | 1,7 |
| Black:   |          |       |   |     |
| (Repeat EDUCATIONAL ATTAINMENT)                        | P0580008 | 63(1) | N | 2,1 |
| American Indian, Eskimo, or Aleut:                     |          |       |   |     |
| (Repeat EDUCATIONAL ATTAINMENT)                        | P0580015 | 631   | N | 3,1 |
| Asian or Pacific Islander:                             |          |       |   |     |
| (Repeat EDUCATIONAL ATTAINMENT)                        | P0580022 | 631   | N | 4,1 |
| Other race:  |          |       |   |     |
| (Repeat EDUCATIONAL ATTAINMENT)                        | P0580029 | 631   | N | 5,1 |
| P59. EDUCATIONAL ATTAINMENT(7) [7]                     |          |       |   |     |
| Universe: Persons of Hispanic origin 25 years and over |          |       |   |     |
| Less than 9th grade                                    | P0590001 | 9     | N | 1   |
| 9th to 12th grade, no diploma                          | P0590002 | 9     | N | 2   |
| High school graduate (includes                         |          |       |   |     |
| equivalency)   | P0590003 | 9     | N | 3   |
| Some college, no degree                                | P0590004 | 9     | N | 4   |
| Associate degree                                       | P0590005 | 9     | N | 5   |
| Bachelor's degree                                      | P0590006 | 9     | N | 6   |
| Graduate or professional degree                        | P0590007 | 9     | N | 7   |
| P60. EDUCATIONAL ATTAINMENT(7) [7]                     |          |       |   |     |
| Universe: Persons 18 years and over                    |          |       |   |     |
| Less than 9th grade                                    | P0600001 | 9     | N | 1   |
| 9th to 12th grade, no diploma                          | P0600002 | 9     | N | 2   |
| High school graduate (includes                         |          |       |   |     |
| equivalency)   | P0600003 | 9     | N | 3   |
| Some college, no degree                                | P0600004 | 9     | N | 4   |
| Associate degree                                       | P0600005 | 9     | N | 5   |
| Bachelor's degree                                      | P0600006 | 9     | N | 6   |
| Graduate or professional degree                        | P0600007 | 9     | N | 7   |
| P61. SCHOOL ENROLLMENT, EDUCATIONAL ATTAINMENT, AND    |          |       |   |     |
| EMPLOYMENT STATUS(13) [13]                             |          |       |   |     |
| Universe: Persons 16 to 19 years                       |          |       |   |     |
| In Armed Forces:                                       |          |       |   |     |
| Enrolled in school:                                    |          |       |   |     |
| High school graduate                                   | P0610001 | 9     | N | 1   |
| Not high school graduate                               | P0610002 | 9     | N | 2   |
| Not enrolled in school:                                |          |       |   |     |
| High school graduate                                   | P0610003 | 9     | N | 3   |
| Not high school graduate                               | P0610004 | 9     | N | 4   |
| Civilian:  |          |       |   |     |
| Enrolled in school:                                    |          |       |   |     |
| Employed   | P0610005 | 9     | N | 5   |
| Unemployed   | P0610006 | 9     | N | 6   |
| Not in labor force                                     | P0610007 | 9     | N | 7   |
| Not enrolled in school:                                |          |       |   |     |
| High school graduate:                                  |          |       |   |     |
| Employed   | P0610008 | 9     | N | 8   |
| Unemployed   | P0610009 | 9     | N | 9   |
| Not in labor force                                     | P0610010 | 9     | N | 10  |
| Not high school graduate:                              |          |       |   |     |

|                    |          |   |   |    |
|--------------------|----------|---|---|----|
| Employed           | P0610011 | 9 | N | 11 |
| Unemployed         | P0610012 | 9 | N | 12 |
| Not in labor force | P0610013 | 9 | N | 13 |

<sup>1</sup>This field size includes all fields in the repeat within the table.

P62. RACE(5) BY SCHOOL ENROLLMENT, EDUCATIONAL  
ATTAINMENT, AND EMPLOYMENT STATUS(13) [65]

Universe: Persons 16 to 19 years

White:

In Armed Forces:

Enrolled in school:

|                          |          |   |   |     |
|--------------------------|----------|---|---|-----|
| High school graduate     | P0620001 | 9 | N | 1,1 |
| Not high school graduate | P0620002 | 9 | N | 1,2 |

Not enrolled in school:

|                          |          |   |   |     |
|--------------------------|----------|---|---|-----|
| High school graduate     | P0620003 | 9 | N | 1,3 |
| Not high school graduate | P0620004 | 9 | N | 1,4 |

Civilian:

Enrolled in school:

|                    |          |   |   |     |
|--------------------|----------|---|---|-----|
| Employed           | P0620005 | 9 | N | 1,5 |
| Unemployed         | P0620006 | 9 | N | 1,6 |
| Not in labor force | P0620007 | 9 | N | 1,7 |

Not enrolled in school:

High school graduate:

|                    |          |   |   |      |
|--------------------|----------|---|---|------|
| Employed           | P0620008 | 9 | N | 1,8  |
| Unemployed         | P0620009 | 9 | N | 1,9  |
| Not in labor force | P0620010 | 9 | N | 1,10 |

Not high school graduate:

|                    |          |   |   |      |
|--------------------|----------|---|---|------|
| Employed           | P0620011 | 9 | N | 1,11 |
| Unemployed         | P0620012 | 9 | N | 1,12 |
| Not in labor force | P0620013 | 9 | N | 1,13 |

Black:

(Repeat SCHOOL ENROLLMENT,  
EDUCATIONAL ATTAINMENT, AND  
EMPLOYMENT STATUS)

|          |        |   |     |
|----------|--------|---|-----|
| P0620014 | 117(1) | N | 2,1 |
|----------|--------|---|-----|

American Indian, Eskimo, or Aleut:

(Repeat SCHOOL ENROLLMENT,  
EDUCATIONAL ATTAINMENT, AND  
EMPLOYMENT STATUS)

|          |        |   |     |
|----------|--------|---|-----|
| P0620027 | 117(1) | N | 3,1 |
|----------|--------|---|-----|

Asian or Pacific Islander:

(Repeat SCHOOL ENROLLMENT,  
EDUCATIONAL ATTAINMENT, AND  
EMPLOYMENT STATUS)

|          |        |   |     |
|----------|--------|---|-----|
| P0620040 | 117(1) | N | 4,1 |
|----------|--------|---|-----|

Other race:

(Repeat SCHOOL ENROLLMENT,  
EDUCATIONAL ATTAINMENT, AND  
EMPLOYMENT STATUS)

|          |        |   |     |
|----------|--------|---|-----|
| P0620053 | 117(1) | N | 5,1 |
|----------|--------|---|-----|

P63. SCHOOL ENROLLMENT, EDUCATIONAL ATTAINMENT,  
AND EMPLOYMENT STATUS(13) [13]

Universe: Persons of Hispanic origin  
16 to 19 years

In Armed Forces:

Enrolled in school:

|                          |          |   |   |   |
|--------------------------|----------|---|---|---|
| High school graduate     | P0630001 | 9 | N | 1 |
| Not high school graduate | P0630002 | 9 | N | 2 |

Not enrolled in school:

|  |          |     |   |       |
|--|----------|-----|---|-------|
| High school graduate   | P0630003 | 9   | N | 3     |
| Not high school graduate                                     | P0530004 | 9   | N | 4     |
| Civilian:  |          |     |   |       |
| Enrolled in school:  |          |     |   |       |
| Employed   | P0630005 | 9   | N | 5     |
| Unemployed   | P0630006 | 9   | N | 6     |
| Not in labor force   | P0630007 | 9   | N | 7     |
| Not enrolled in school:                                      |          |     |   |       |
| High school graduate:  |          |     |   |       |
| Employed   | P0630008 | 9   | N | 8     |
| Unemployed   | P0630009 | 9   | N | 9     |
| Not in labor force   | P0630010 | 9   | N | 10    |
| Not high school graduate:                                    |          |     |   |       |
| Employed   | P0630011 | 9   | N | 11    |
| Unemployed   | P0630012 | 9   | N | 12    |
| Not in labor force   | P0630013 | 9   | N | 13    |
| P64. SEX(2) BY AGE(2) BY VETERAN STATUS(3) [12]              |          |     |   |       |
| Universe: Persons 16 years and over                          |          |     |   |       |
| Male:  |          |     |   |       |
| 16 to 64 years:  |          |     |   |       |
| In Armed Forces  | P0640001 | 9   | N | 1,1,1 |
| Civilian:  |          |     |   |       |
| Veteran  | P0640002 | 9   | N | 1,1,2 |
| Nonveteran   | P0640003 | 9   | N | 1,1,3 |
| 65 years and over:   |          |     |   |       |
| (Repeat VETERAN STATUS)                                      | P0640004 | 271 | N | 1,2,1 |
| Female:  |          |     |   |       |
| (Repeat AGE By VETERAN STATUS)                               | P0640007 | 541 | N | 2,1,1 |
| P65. PERIOD OF MILITARY SERVICE(13) [13]                     |          |     |   |       |
| Universe: Civilian veterans 16 years and over                |          |     |   |       |
| May 1975 or later only:                                      |          |     |   |       |
| September 1980 or later only:                                |          |     |   |       |
| With less than 2 years of service                            | P0650001 | 9   | N | 1     |
| With 2 or more years of service                              | P0650002 | 9   | N | 2     |
| May 1975 to August 1980 only                                 | P0650003 | 9   | N | 3     |
| Both, May 1975 to August 1980 and<br>September 1980 or later | P0650004 | 9   | N | 4     |
| Vietnam era, no Korean conflict nor<br>World War II          | P0650005 | 9   | N | 5     |
| Vietnam era and Korean conflict,<br>no World War II          | P0650006 | 9   | N | 6     |
| Vietnam era, Korean conflict, and<br>World War II            | P0650007 | 9   | N | 7     |
| February 1955 to July 1964 only                              | P0650008 | 9   | N | 8     |
| Korean conflict, no Vietnam era<br>nor World War II          | P0650009 | 9   | N | 9     |
| Korean conflict and World War II,<br>no Vietnam era          | P0650010 | 9   | N | 10    |
| World War II, no Korean conflict<br>nor Vietnam era          | P0650011 | 9   | N | 11    |
| World War I  | P0650012 | 9   | N | 12    |
| Other service  | P0650013 | 9   | N | 13    |

P66. SEX(2) BY AGE(2) BY WORK DISABILITY STATUS AND  
EMPLOYMENT STATUS(7) [28]  
Universe: Civilian noninstitutionalized  
persons 16 years and over  
Male:

16 to 64 years:  
With a work disability:  
In labor force:  
Employed P0660001 9 N 1,1,1  
Unemployed P0660002 9 N 1,1,2  
Not in labor force:  
Prevented from working P0660003 9 N 1,1,3  
Not prevented from working P0660004 9 N 1,1,4  
No work disability:  
In labor force:  
Employed P0660005 9 N 1,1,5  
Unemployed P0660006 9 N 1,1,6  
Not in labor force P0660007 9 N 1,1,7  
65 years and over:  
(Repeat WORK DISABILITY STATUS AND  
EMPLOYMENT STATUS) P0660008 631 N 1,2,1

Female:  
(Repeat AGE By WORK DISABILITY STATUS AND  
EMPLOYMENT STATUS) P0660015 1261 N 2,1,1

P67. SEX(2) BY AGE(2) BY MOBILITY LIMITATION STATUS(2) BY  
EMPLOYMENT STATUS(3) [24]  
Universe: Civilian noninstitutionalized  
persons 16 years and over  
Male:

16 to 64 years:  
With a mobility limitation:  
In labor force:  
Employed P0670001 9 N 1,1,1,1  
Unemployed P0670002 9 N 1,1,1,2  
Not in labor force P0670003 9 N 1,1,1,3  
No mobility limitation:  
(Repeat EMPLOYMENT STATUS) P0670004 271 N 1,1,2,1  
65 years and over:  
(Repeat MOBILITY LIMITATION  
STATUS By EMPLOYMENT STATUS) P0670007 541 N 1,2,1,1

Female:  
(Repeat AGE By MOBILITY LIMITATION  
STATUS By EMPLOYMENT STATUS) P0670013 1081 N 2,1,1,1

P68. SEX(2) BY AGE(2) BY WORK DISABILITY  
STATUS(2) BY MOBILITY AND SELF CARE  
LIMITATION STATUS(2) [16]  
Universe: Civilian noninstitutionalized  
persons 16 years and over  
Male:

16 to 64 years:  
With a work disability:  
With a mobility or self care  
limitation P0680001 9 N 1,1,1,1  
No mobility or self care  
limitation P0680002 9 N 1,1,1,2

|   |          |        |   |         |
|---|----------|--------|---|---------|
| No work disability:                                 |          |        |   |         |
| (Repeat MOBILITY AND SELF                           |          |        |   |         |
| CARE LIMITATION STATUS)                             | P0680003 | 18(1)  | N | 1,1,2,1 |
| 65 years and over:                                  |          |        |   |         |
| (Repeat WORK DISABILITY STATUS By                   |          |        |   |         |
| MOBILITY AND SELF CARE LIMITATION                   |          |        |   |         |
| STATUS)   | P0680005 | 36(1)  | N | 1,2,1,1 |
| Female:   |          |        |   |         |
| (Repeat AGE By WORK DISABILITY                      |          |        |   |         |
| STATUS By MOBILITY AND SELF CARE                    |          |        |   |         |
| LIMITATION STATUS)                                  | P0680009 | 72(1)  | N | 2,1,1,1 |
| P69. SEX(2) BY AGE(3) BY MOBILITY AND SELF CARE     |          |        |   |         |
| LIMITATION STATUS(4) [24]                           |          |        |   |         |
| Universe: Civilian noninstitutionalized             |          |        |   |         |
| persons 16 years and over                           |          |        |   |         |
| Male:   |          |        |   |         |
| 16 to 64 years:                                     |          |        |   |         |
| With a mobility or self care                        |          |        |   |         |
| limitation:   |          |        |   |         |
| Mobility limitation only                            | P0690001 | 9      | N | 1,1,1   |
| Self care limitation only                           | P0690002 | 9      | N | 1,1,2   |
| Mobility and self care                              |          |        |   |         |
| limitation  | P0690003 | 9      | N | 1,1,3   |
| No mobility or self care                            |          |        |   |         |
| limitation  | P0690004 | 9      | N | 1,1,4   |
| 65 to 74 years:                                     |          |        |   |         |
| (Repeat MOBILITY AND SELF CARE                      |          |        |   |         |
| LIMITATION  |          |        |   |         |
| STATUS)   | P0690005 | 36(1)  | N | 1,2,1   |
| 75 years and over:                                  |          |        |   |         |
| (Repeat MOBILITY AND SELF CARE                      |          |        |   |         |
| LIMITATION STATUS)                                  | P0690009 | 36(1)  | N | 1,3,1   |
| Female:   |          |        |   |         |
| (Repeat AGE By MOBILITY AND SELF                    |          |        |   |         |
| CARE LIMITATION STATUS)                             | P0690013 | 108(1) | N | 2,1,1   |
| P70. SEX(2) BY EMPLOYMENT STATUS(4) [8]             |          |        |   |         |
| Universe: Persons 16 years and over                 |          |        |   |         |
| Male:   |          |        |   |         |
| In labor force:                                     |          |        |   |         |
| In Armed Forces                                     | P0700001 | 9      | N | 1,1     |
| Civilian:   |          |        |   |         |
| Employed  | P0700002 | 9      | N | 1,2     |
| Unemployed  | P0700003 | 9      | N | 1,3     |
| Not in labor force                                  | P0700004 | 9      | N | 1,4     |
| Female:   |          |        |   |         |
| (Repeat EMPLOYMENT STATUS)                          | P0700005 | 361    | N | 2,1     |
| P71. RACE(5) BY SEX(2) BY EMPLOYMENT STATUS(4) [40] |          |        |   |         |
| Universe: Persons 16 years and over                 |          |        |   |         |
| White:  |          |        |   |         |
| Male:   |          |        |   |         |
| In labor force:                                     |          |        |   |         |
| In Armed Forces                                     | P0710001 | 9      | N | 1,1,1   |
| Civilian:   |          |        |   |         |
| Employed  | P0710002 | 9      | N | 1,1,2   |

|  |          |     |   |       |
|--|----------|-----|---|-------|
| Unemployed   | P0710003 | 9   | N | 1,1,3 |
| Not in labor force   | P0710004 | 9   | N | 1,1,4 |
| Female:  |          |     |   |       |
| (Repeat EMPLOYMENT STATUS)   | P0710005 | 361 | N | 1,2,1 |
| Black:   |          |     |   |       |
| (Repeat SEX By EMPLOYMENT STATUS)  | P0710009 | 721 | N | 2,1,1 |
| American Indian, Eskimo, or Aleut:   |          |     |   |       |
| (Repeat SEX By EMPLOYMENT STATUS)  | P0710017 | 721 | N | 3,1,1 |
| Asian or Pacific Islander:   |          |     |   |       |
| (Repeat SEX By EMPLOYMENT STATUS)  | P0710025 | 721 | N | 4,1,1 |
| Other race:  |          |     |   |       |
| (Repeat SEX By EMPLOYMENT STATUS)  | P0710033 | 721 | N | 5,1,1 |
| P72. SEX(2) BY EMPLOYMENT STATUS(4) [8]                                      |          |     |   |       |
| Universe: Persons of Hispanic origin 16 years and over                       |          |     |   |       |
| Male:  |          |     |   |       |
| In labor force:  |          |     |   |       |
| In Armed Forces  | P0720001 | 9   | N | 1,1   |
| Civilian:  |          |     |   |       |
| Employed   | P0720002 | 9   | N | 1,2   |
| Unemployed   | P0720003 | 9   | N | 1,3   |
| Not in labor force   | P0720004 | 9   | N | 1,4   |
| Female:  |          |     |   |       |
| (Repeat EMPLOYMENT STATUS)   | P0720005 | 361 | N | 2,1   |
| P73. PRESENCE AND AGE OF CHILDREN AND EMPLOYMENT STATUS(12) [12]             |          |     |   |       |
| Universe: Females 16 years and over  |          |     |   |       |
| With own children under 18 years:  |          |     |   |       |
| Under 6 years only:  |          |     |   |       |
| In labor force:  |          |     |   |       |
| Employed or in Armed Forces  | P0730001 | 9   | N | 1     |
| Unemployed   | P0730002 | 9   | N | 2     |
| Not in labor force   | P0730003 | 9   | N | 3     |
| 6 to 17 years only:  |          |     |   |       |
| In labor force:  |          |     |   |       |
| Employed or in Armed Forces  | P0730004 | 9   | N | 4     |
| Unemployed   | P0730005 | 9   | N | 5     |
| Not in labor force   | P0730006 | 9   | N | 6     |
| Under 6 years and 6 to 17 years:   |          |     |   |       |
| In labor force:  |          |     |   |       |
| Employed or in Armed Forces  | P0730007 | 9   | N | 7     |
| Unemployed   | P0730008 | 9   | N | 8     |
| Not in labor force   | P0730009 | 9   | N | 9     |
| No own children under 18 years:  |          |     |   |       |
| In labor force:  |          |     |   |       |
| Employed or in Armed Forces  | P0730010 | 9   | N | 10    |
| Unemployed   | P0730011 | 9   | N | 11    |
| Not in labor force   | P0730012 | 9   | N | 12    |
| P74. PRESENCE AND AGE OF CHILDREN(2) BY EMPLOYMENT STATUS OF PARENTS(8) [16] |          |     |   |       |
| Universe: Own children under 18 years in families and subfamilies            |          |     |   |       |
| Under 6 years:   |          |     |   |       |
| Living with two parents:   |          |     |   |       |
| Both parents in labor force  | P0740001 | 9   | N | 1,1   |



|   |          |        |   |      |
|---|----------|--------|---|------|
| Father only in labor force  | P0740002 | 9      | N | 1,2  |
| Mother only in labor force  | P0740003 | 9      | N | 1,3  |
| Neither parent in labor force   | P0740004 | 9      | N | 1,4  |
| Living with one parent:   |          |        |   |      |
| Living with father:   |          |        |   |      |
| In labor force  | P0740005 | 9      | N | 1,5  |
| Not in labor force  | P0740006 | 9      | N | 1,6  |
| Living with mother:   |          |        |   |      |
| In labor force  | P0740007 | 9      | N | 1,7  |
| Not in labor force  | P0740008 | 9      | N | 1,8  |
| 6 to 17 years:  |          |        |   |      |
| (Repeat EMPLOYMENT STATUS OF PARENTS)   | P0740009 | 72(1)  | N | 2,1  |
| P75. SEX(2) BY WORK STATUS IN 1989(2) [4]   |          |        |   |      |
| Universe: Persons 16 years and over   |          |        |   |      |
| Male:   |          |        |   |      |
| Worked in 1989  | P0750001 | 9      | N | 1,1  |
| Did not work in 1989  | P0750002 | 9      | N | 1,2  |
| Female:   |          |        |   |      |
| (Repeat WORK STATUS IN 1989)  | P0750003 | 18(1)  | N | 2,1  |
| P76. SEX(2) BY WORK STATUS IN 1989,   |          |        |   |      |
| USUAL HOURS WORKED PER WEEK IN 1989,  |          |        |   |      |
| AND WEEKS WORKED IN 1989(19) [38]   |          |        |   |      |
| Universe: Persons 16 years and over   |          |        |   |      |
| Male:   |          |        |   |      |
| Worked in 1989:   |          |        |   |      |
| Usually worked 35 or more hours per week:   |          |        |   |      |
| 50 to 52 weeks  | P0760001 | 9      | N | 1,1  |
| 48 to 49 weeks  | P0760002 | 9      | N | 1,2  |
| 40 to 47 weeks  | P0760003 | 9      | N | 1,3  |
| 27 to 39 weeks  | P0760004 | 9      | N | 1,4  |
| 14 to 26 weeks  | P0760005 | 9      | N | 1,5  |
| 1 to 13 weeks   | P0760006 | 9      | N | 1,6  |
| Usually worked 15 to 34 hours per week:   |          |        |   |      |
| 50 to 52 weeks  | P0760007 | 9      | N | 1,7  |
| 48 to 49 weeks  | P0760008 | 9      | N | 1,8  |
| 40 to 47 weeks  | P0760009 | 9      | N | 1,9  |
| 27 to 39 weeks  | P0760010 | 9      | N | 1,10 |
| 14 to 26 weeks  | P0760011 | 9      | N | 1,11 |
| 1 to 13 weeks   | P0760012 | 9      | N | 1,12 |
| Usually worked 1 to 14 hours per week:  |          |        |   |      |
| 50 to 52 weeks  | P0760013 | 9      | N | 1,13 |
| 48 to 49 weeks  | P0760014 | 9      | N | 1,14 |
| 40 to 47 weeks  | P0760015 | 9      | N | 1,15 |
| 27 to 39 weeks  | P0760016 | 9      | N | 1,16 |
| 14 to 26 weeks  | P0760017 | 9      | N | 1,17 |
| 1 to 13 weeks   | P0760018 | 9      | N | 1,18 |
| Did not work in 1989  | P0760019 | 9      | N | 1,19 |
| Female:   |          |        |   |      |
| (Repeat WORK STATUS IN 1989, USUAL HOURS WORKED PER WEEK IN 1989, AND WEEKS WORKED IN 1989) | P0760020 | 171(1) | N | 2,1  |

P77. INDUSTRY(17) [17]

Universe: Employed persons 16 years and over

|  |          |   |   |    |
|--|----------|---|---|----|
| Agriculture, forestry, and fisheries (000 039)         | P0770001 | 9 | N | 1  |
| Mining (040 059)                                       | P0770002 | 9 | N | 2  |
| Construction (060 099)                                 | P0770003 | 9 | N | 3  |
| Manufacturing, nondurable goods (100 229)              | P0770004 | 9 | N | 4  |
| Manufacturing, durable goods (230 399)                 | P0770005 | 9 | N | 5  |
| Transportation (400 439)                               | P0770006 | 9 | N | 6  |
| Communications and other public utilities (440 499)    | P0770007 | 9 | N | 7  |
| Wholesale trade (500 579)                              | P0770008 | 9 | N | 8  |
| Retail trade (580 699)                                 | P0770009 | 9 | N | 9  |
| Finance, insurance, and real estate (700 720)          | P0770010 | 9 | N | 10 |
| Business and repair services (721 760)                 | P0770011 | 9 | N | 11 |
| Personal services (761 799)                            | P0770012 | 9 | N | 12 |
| Entertainment and recreation services (800 811)        | P0770013 | 9 | N | 13 |
| Professional and related services (812 899):           |          |   |   |    |
| Health services (812 840)                              | P0770014 | 9 | N | 14 |
| Educational services (842 860)                         | P0770015 | 9 | N | 15 |
| Other professional and related services (841, 861 899) | P0770016 | 9 | N | 16 |
| Public administration (900 939)                        | P0770017 | 9 | N | 17 |

P78. OCCUPATION(13) [13]

Universe: Employed persons 16 years and over

|   |          |   |   |    |
|---|----------|---|---|----|
| Managerial and professional specialty occupations (000 202):        |          |   |   |    |
| Executive, administrative, and managerial occupations (000 042)     | P0780001 | 9 | N | 1  |
| Professional specialty occupations (043 202)                        | P0780002 | 9 | N | 2  |
| Technical, sales, and administrative support occupations (203 402): |          |   |   |    |
| Technicians and related support occupations (203 242)               | P0780003 | 9 | N | 3  |
| Sales occupations (243 302)   | P0780004 | 9 | N | 4  |
| Administrative support occupations, including clerical (303 402)    | P0780005 | 9 | N | 5  |
| Service occupations (403 472):                                      |          |   |   |    |
| Private household occupations (403 412)                             | P0780006 | 9 | N | 6  |
| Protective service occupations (413 432)                            | P0780007 | 9 | N | 7  |
| Service occupations, except protective and household (433 472)      | P0760008 | 9 | N | 8  |
| Farming, forestry, and fishing occupations (473 502)                | P0780009 | 9 | N | 9  |
| Precision production, craft, and repair occupations (503 702)       | P0780010 | 9 | N | 10 |
| Operators, fabricators, and laborers (703 902):                     |          |   |   |    |

|   |          |   |   |    |
|---|----------|---|---|----|
| Machine operators, assemblers, and inspectors (703 802)       | P0780011 | 9 | N | 11 |
| Transportation and material moving occupations (803 863)      | P0780012 | 9 | N | 12 |
| Handlers, equipment cleaners, helpers, and laborers (864 902) | P0780013 | 9 | N | 13 |
| P79. CLASS OF WORKER(7) [7]                                   |          |   |   |    |
| Universe: Employed persons 16 years and over                  |          |   |   |    |
| Private for profit wage and salary workers                    | P0790001 | 9 | N | 1  |
| Private not for profit wage and salary workers                | P0790002 | 9 | N | 2  |
| Local government workers                                      | P0790003 | 9 | N | 3  |
| State government workers                                      | P0790004 | 9 | N | 4  |
| Federal government workers                                    | P0790005 | 9 | N | 5  |
| Self employed workers   | P0790006 | 9 | N | 6  |
| Unpaid family workers   | P0790007 | 9 | N | 7  |
| P80. HOUSEHOLD INCOME IN 1989(25) [25]                        |          |   |   |    |
| Universe: Households  |          |   |   |    |
| Less than \$5,000   | P0800001 | 9 | N | 1  |
| \$5,000 to \$9,999  | P0800002 | 9 | N | 2  |
| \$10,000 to \$12,499  | P0800003 | 9 | N | 3  |
| \$12,500 to \$14,999  | P0800004 | 9 | N | 4  |
| \$15,000 to \$17,499  | P0800005 | 9 | N | 5  |
| \$17,500 to \$19,999  | P0800006 | 9 | N | 6  |
| \$20,000 to \$22,499  | P0800007 | 9 | N | 7  |
| \$22,500 to \$24,999  | P0800008 | 9 | N | 8  |
| \$25,000 to \$27,499  | P0800009 | 9 | N | 9  |
| \$27,500 to \$29,999  | P0800010 | 9 | N | 10 |
| \$30,000 to \$32,499  | P0800011 | 9 | N | 11 |
| \$32,500 to \$34,999  | P0800012 | 9 | N | 12 |
| \$35,000 to \$37,499  | P0800013 | 9 | N | 13 |
| \$37,500 to \$39,999  | P0800014 | 9 | N | 14 |
| \$40,000 to \$42,499  | P0800015 | 9 | N | 15 |
| \$42,500 to \$44,999  | P0800016 | 9 | N | 16 |
| \$45,000 to \$47,499  | P0800017 | 9 | N | 17 |
| \$47,500 to \$49,999  | P0800018 | 9 | N | 18 |
| \$50,000 to \$54,999  | P0800019 | 9 | N | 19 |
| \$55,000 to \$59,999  | P0800020 | 9 | N | 20 |
| \$60,000 to \$74,999  | P0800021 | 9 | N | 21 |
| \$75,000 to \$99,999  | P0800022 | 9 | N | 22 |
| \$100,000 to \$124,999  | P0800023 | 9 | N | 23 |
| \$125,000 to \$149,999  | P0800024 | 9 | N | 24 |
| \$150,000 or more   | P0800025 | 9 | N | 25 |
| P80A. MEDIAN HOUSEHOLD INCOME IN 1989(1) [1]                  |          |   |   |    |
| Universe: Households  |          |   |   |    |
| Median household income in 1989                               | P080A001 | 9 | N | 1  |
| P81. AGGREGATE HOUSEHOLD INCOME IN 1989(2) [2]                |          |   |   |    |
| Universe: Households  |          |   |   |    |
| Total:  |          |   |   |    |
| Less than \$150,000   | P0810001 | 9 | N | 1  |
| \$150,000 or more   | P0810002 | 9 | N | 2  |

P82. RACE OF HOUSEHOLDER(5) BY HOUSEHOLD  
INCOME IN 1989(9) [45]

Universe: Households

White:

|                      |          |   |   |     |
|----------------------|----------|---|---|-----|
| Less than \$5,000    | P0820001 | 9 | N | 1,1 |
| \$5,000 to \$9,999   | P0820002 | 9 | N | 1,2 |
| \$10,000 to \$14,999 | P0820003 | 9 | N | 1,3 |
| \$15,000 to \$24,999 | P0820004 | 9 | N | 1,4 |
| \$25,000 to \$34,999 | P0820005 | 9 | N | 1,5 |
| \$35,000 to \$49,999 | P0820006 | 9 | N | 1,6 |
| \$50,000 to \$74,999 | P0820007 | 9 | N | 1,7 |
| \$75,000 to \$99,999 | P0820008 | 9 | N | 1,8 |
| \$100,000 or more    | P0820009 | 9 | N | 1,9 |

Black:

|                                   |          |     |   |     |
|-----------------------------------|----------|-----|---|-----|
| (Repeat HOUSEHOLD INCOME IN 1989) | P0820010 | 811 | N | 2,1 |
|-----------------------------------|----------|-----|---|-----|

American Indian, Eskimo, or Aleut:

|                                   |          |     |   |     |
|-----------------------------------|----------|-----|---|-----|
| (Repeat HOUSEHOLD INCOME IN 1989) | P0820019 | 811 | N | 3,1 |
|-----------------------------------|----------|-----|---|-----|

Asian or Pacific Islander:

|                                   |          |     |   |     |
|-----------------------------------|----------|-----|---|-----|
| (Repeat HOUSEHOLD INCOME IN 1989) | P0820028 | 811 | N | 4,1 |
|-----------------------------------|----------|-----|---|-----|

Other race:

|                                   |          |     |   |     |
|-----------------------------------|----------|-----|---|-----|
| (Repeat HOUSEHOLD INCOME IN 1989) | P0820037 | 811 | N | 5,1 |
|-----------------------------------|----------|-----|---|-----|

P83. HOUSEHOLD INCOME IN 1989(9) [9]

Universe: Households with householder  
of Hispanic origin

|                      |          |   |   |   |
|----------------------|----------|---|---|---|
| Less than \$5,000    | P0830001 | 9 | N | 1 |
| \$5,000 to \$9,999   | P0830002 | 9 | N | 2 |
| \$10,000 to \$14,999 | P0830003 | 9 | N | 3 |
| \$15,000 to \$24,999 | P0830004 | 9 | N | 4 |
| \$25,000 to \$34,999 | P0830005 | 9 | N | 5 |
| \$35,000 to \$49,999 | P0830006 | 9 | N | 6 |
| \$50,000 to \$74,999 | P0830007 | 9 | N | 7 |
| \$75,000 to \$99,999 | P0830008 | 9 | N | 8 |
| \$100,000 or more    | P0830009 | 9 | N | 9 |

P84. AGGREGATE HOUSEHOLD INCOME IN 1989(1)  
BY RACE OF HOUSEHOLDER(5) [5]

Universe: Households

Total:

|                                   |          |   |   |     |
|-----------------------------------|----------|---|---|-----|
| White                             | P0840001 | 9 | N | 1,1 |
| Black                             | P0840002 | 9 | N | 1,2 |
| American Indian, Eskimo, or Aleut | P0840003 | 9 | N | 1,3 |
| Asian or Pacific Islander         | P0840004 | 9 | N | 1,4 |
| Other race                        | P0840005 | 9 | N | 1,5 |

P85. AGGREGATE HOUSEHOLD INCOME IN 1989(1) [1]

Universe: Households with householder  
of Hispanic origin

|       |          |   |   |   |
|-------|----------|---|---|---|
| Total | P0850001 | 9 | N | 1 |
|-------|----------|---|---|---|

P86. AGE OF HOUSEHOLDER(7) BY HOUSEHOLD  
INCOME IN 1989(9) [63]

Universe: Households

Under 25 years:

|                    |          |   |   |     |
|--------------------|----------|---|---|-----|
| Less than \$5,000  | P0860001 | 9 | N | 1,1 |
| \$5,000 to \$9,999 | P0860002 | 9 | N | 1,2 |

|                                   |          |     |   |     |
|-----------------------------------|----------|-----|---|-----|
| \$10,000 to \$14,999              | P0860003 | 9   | N | 1,3 |
| \$15,000 to \$24,999              | P0860004 | 9   | N | 1,4 |
| \$25,000 to \$34,999              | P0860005 | 9   | N | 1,5 |
| \$35,000 to \$49,999              | P0860006 | 9   | N | 1,6 |
| \$50,000 to \$74,999              | P0860007 | 9   | N | 1,7 |
| \$75,000 to \$99,999              | P0860008 | 9   | N | 1,8 |
| \$100,000 or more                 | P0860009 | 9   | N | 1,9 |
| 25 to 34 years:                   |          |     |   |     |
| (Repeat HOUSEHOLD INCOME IN 1989) | P0860010 | 811 | N | 2,1 |
| 35 to 44 years:                   |          |     |   |     |
| (Repeat HOUSEHOLD INCOME IN 1989) | P0860019 | 811 | N | 3,1 |
| 45 to 54 years:                   |          |     |   |     |
| (Repeat HOUSEHOLD INCOME IN 1989) | P0860028 | 811 | N | 4,1 |
| 55 to 64 years:                   |          |     |   |     |
| (Repeat HOUSEHOLD INCOME IN 1989) | P0860037 | 811 | N | 5,1 |
| 65 to 74 years:                   |          |     |   |     |
| (Repeat HOUSEHOLD INCOME IN 1989) | P0860046 | 811 | N | 6,1 |
| 75 years and over:                |          |     |   |     |
| (Repeat HOUSEHOLD INCOME IN 1989) | P0860055 | 811 | N | 7,1 |

P87A. RACE OF HOUSEHOLDER(1) BY AGE OF HOUSEHOLDER(7)  
BY HOUSEHOLD INCOME IN 1989(9) [63]

Universe: White households

White:

Under 25 years:

|                      |          |   |   |       |
|----------------------|----------|---|---|-------|
| Less than \$5,000    | P087A001 | 9 | N | 1,1,1 |
| \$5,000 to \$9,999   | P087A002 | 9 | N | 1,1,2 |
| \$10,000 to \$14,999 | P087A003 | 9 | N | 1,1,3 |
| \$15,000 to \$24,999 | P087A004 | 9 | N | 1,1,4 |
| \$25,000 to \$34,999 | P087A005 | 9 | N | 1,1,5 |
| \$35,000 to \$49,999 | P087A006 | 9 | N | 1,1,6 |
| \$50,000 to \$74,999 | P087A007 | 9 | N | 1,1,7 |
| \$75,000 to \$99,999 | P087A008 | 9 | N | 1,1,8 |
| \$100,000 or more    | P087A009 | 9 | N | 1,1,9 |

25 to 34 years:

|                                   |          |       |   |       |
|-----------------------------------|----------|-------|---|-------|
| (Repeat HOUSEHOLD INCOME IN 1989) | P087A010 | 81(1) | N | 1,2,1 |
|-----------------------------------|----------|-------|---|-------|

35 to 44 years:

|                                   |          |       |   |       |
|-----------------------------------|----------|-------|---|-------|
| (Repeat HOUSEHOLD INCOME IN 1989) | P087A019 | 81(1) | N | 1,3,1 |
|-----------------------------------|----------|-------|---|-------|

45 to 54 years:

|                                   |          |       |   |       |
|-----------------------------------|----------|-------|---|-------|
| (Repeat HOUSEHOLD INCOME IN 1989) | P087A028 | 81(1) | N | 1,4,1 |
|-----------------------------------|----------|-------|---|-------|

55 to 64 years:

|                                   |          |       |   |       |
|-----------------------------------|----------|-------|---|-------|
| (Repeat HOUSEHOLD INCOME IN 1989) | P087A037 | 81(1) | N | 1,5,1 |
|-----------------------------------|----------|-------|---|-------|

65 to 74 years:

|                                   |          |       |   |       |
|-----------------------------------|----------|-------|---|-------|
| (Repeat HOUSEHOLD INCOME IN 1989) | P087A046 | 81(1) | N | 1,6,1 |
|-----------------------------------|----------|-------|---|-------|

75 years and over:

|                                   |          |       |   |       |
|-----------------------------------|----------|-------|---|-------|
| (Repeat HOUSEHOLD INCOME IN 1989) | P087A055 | 81(1) | N | 1,7,1 |
|-----------------------------------|----------|-------|---|-------|

P87B. RACE OF HOUSEHOLDER(1) BY AGE OF HOUSEHOLDER(7)  
BY HOUSEHOLD INCOME IN 1989(9) [63]

Universe: Black households

Black:

(Repeat AGE OF HOUSEHOLDER By HOUSEHOLD

|                    |          |        |   |       |
|--------------------|----------|--------|---|-------|
| INCOME IN 1989)(2) | P087B001 | 567(1) | N | 1,1,1 |
|--------------------|----------|--------|---|-------|

P87C. RACE OF HOUSEHOLDER(1) BY AGE OF HOUSEHOLDER(7)  
 BY HOUSEHOLD INCOME IN 1989(9) [63]  
 Universe: American Indian, Eskimo, or  
 Aleut households  
 American Indian, Eskimo, or Aleut:  
 (Repeat AGE OF HOUSEHOLDER By  
 HOUSEHOLD INCOME IN 1989)(2) P087C001 567(1) N 1,1,1

P87D. RACE OF HOUSEHOLDER(1) BY AGE OF HOUSEHOLDER(7)  
 BY HOUSEHOLD INCOME IN 1989(9) [63]  
 Universe: Asian or Pacific Islander  
 households  
 Asian or Pacific Islander:  
 (Repeat AGE OF HOUSEHOLDER By  
 HOUSEHOLD INCOME IN 1989)(2) P087D001 5671 N 1,1,1

P87E. RACE OF HOUSEHOLDER(1) BY AGE OF HOUSEHOLDER(7)  
 BY HOUSEHOLD INCOME IN 1989(9) [63]  
 Universe: Other race households  
 Other race:  
 (Repeat AGE OF HOUSEHOLDER By  
 HOUSEHOLD INCOME IN 1989)(2) P087E001 5671 N 1,1,1

P88. AGE OF HOUSEHOLDER(7) BY HOUSEHOLD INCOME  
 IN 1989(9) [63]  
 Universe: Households with householder  
 of Hispanic origin  
 Under 25 years:  
 Less than \$5,000 P0880001 9 N 1,1  
 \$5,000 to \$9,999 P0880002 9 N 1,2  
 \$10,000 to \$14,999 P0880003 9 N 1,3  
 \$15,000 to \$24,999 P0880004 9 N 1,4  
 \$25,000 to \$34,999 P0880005 9 N 1,5  
 \$35,000 to \$49,999 P0880006 9 N 1,6  
 \$50,000 to \$74,999 P0880007 9 N 1,7  
 \$75,000 to \$99,999 P0880008 9 N 1,8  
 \$100,000 or more P0880009 9 N 1,9  
 25 to 34 years:  
 (Repeat HOUSEHOLD INCOME IN 1989) P0880010 811 N 2,1  
 35 to 44 years:  
 (Repeat HOUSEHOLD INCOME IN 1989) P0880019 811 N 3,1  
 45 to 54 years:  
 (Repeat HOUSEHOLD INCOME IN 1989) P0880028 811 N 4,1  
 55 to 64 years:  
 (Repeat HOUSEHOLD INCOME IN 1989) P0880037 811 N 5,1  
 65 to 74 years:  
 (Repeat HOUSEHOLD INCOME IN 1989) P0880046 811 N 6,1  
 75 years and over:  
 (Repeat HOUSEHOLD INCOME IN 1989) P0880055 811 N 7,1

P89. EARNINGS IN 1989(2) [2]  
 Universe: Households  
 With earnings P0890001 9 N 1  
 No earnings P0890002 9 N 2

P90. WAGE OR SALARY INCOME IN 1989(2) [2]  
 Universe: Households

|  |          |   |   |   |
|--|----------|---|---|---|
| With wage or salary income                                   | P0900001 | 9 | N | 1 |
| No wage or salary income                                     | P0900002 | 9 | N | 2 |
| P91. NONFARM SELF EMPLOYMENT INCOME IN 1989(2) [2]           |          |   |   |   |
| Universe: Households   |          |   |   |   |
| With nonfarm self employment income                          | P0910001 | 9 | N | 1 |
| No nonfarm self employment income                            | P0910002 | 9 | N | 2 |
| P92. FARM SELF EMPLOYMENT INCOME IN 1989(2) [2]              |          |   |   |   |
| Universe: Households   |          |   |   |   |
| With farm self employment income                             | P0920001 | 9 | N | 1 |
| No farm self employment income                               | P0920002 | 9 | N | 2 |
| P93. INTEREST, DIVIDEND, OR NET RENTAL INCOME IN 1989(2) [2] |          |   |   |   |
| Universe: Households   |          |   |   |   |
| With interest, dividend, or net rental income                | P0930001 | 9 | N | 1 |
| No interest, dividend, or net rental income                  | P0930002 | 9 | N | 2 |
| P94. SOCIAL SECURITY INCOME IN 1989(2) [2]                   |          |   |   |   |
| Universe: Households   |          |   |   |   |
| With Social Security income                                  | P0940001 | 9 | N | 1 |
| No Social Security income                                    | P0940002 | 9 | N | 2 |
| P95. PUBLIC ASSISTANCE INCOME IN 1989(2) [2]                 |          |   |   |   |
| Universe: Households   |          |   |   |   |
| With public assistance income                                | P0950001 | 9 | N | 1 |
| No public assistance income                                  | P0950002 | 9 | N | 2 |
| P96. RETIREMENT INCOME IN 1989(2) [2]                        |          |   |   |   |
| Universe: Households   |          |   |   |   |
| With retirement income                                       | P0960001 | 9 | N | 1 |
| No retirement income   | P0960002 | 9 | N | 2 |
| P97. OTHER TYPE OF INCOME IN 1989(2) [2]                     |          |   |   |   |
| Universe: Households   |          |   |   |   |
| With other income  | P0970001 | 9 | N | 1 |
| No other income  | P0970002 | 9 | N | 2 |
| P98. AGGREGATE WAGE OR SALARY INCOME IN 1989(1) [1]          |          |   |   |   |
| Universe: Households   |          |   |   |   |
| Total  | P0980001 | 9 | N | 1 |
| P99. AGGREGATE NONFARM SELF EMPLOYMENT INCOME IN 1989(1) [1] |          |   |   |   |
| Universe: Households   |          |   |   |   |
| Total  | P0990001 | 9 | N | 1 |
| P100. AGGREGATE FARM SELF EMPLOYMENT INCOME IN 1989(1) [1]   |          |   |   |   |
| Universe: Households   |          |   |   |   |
| Total  | P1000001 | 9 | N | 1 |

|   |          |       |   |       |
|---|----------|-------|---|-------|
| P101. AGGREGATE INTEREST, DIVIDEND, OR NET<br>RENTAL INCOME IN 1989(1) [1]<br>Universe: Households                                  |          |       |   |       |
| Total   | P1010001 | 9     | N | 1     |
| P102. AGGREGATE SOCIAL SECURITY INCOME IN 1989(1) [1]<br>Universe: Households   |          |       |   |       |
| Total   | P1020001 | 9     | N | 1     |
| P103. AGGREGATE PUBLIC ASSISTANCE INCOME IN 1989(1) [1]<br>Universe: Households   |          |       |   |       |
| Total   | P1030001 | 9     | N | 1     |
| P104. AGGREGATE RETIREMENT INCOME IN 1989(1) [1]<br>Universe: Households  |          |       |   |       |
| Total   | P1040001 | 9     | N | 1     |
| P105. AGGREGATE OTHER TYPE OF INCOME IN 1989(1) [1]<br>Universe: Households   |          |       |   |       |
| Total   | P1050001 | 9     | N | 1     |
| P106. AGGREGATE PERSONS IN HOUSEHOLDS(1) BY PUBLIC<br>ASSISTANCE INCOME IN 1989(2) BY AGE(3) [6]<br>Universe: Persons in households |          |       |   |       |
| Total:  |          |       |   |       |
| With public assistance income:  |          |       |   |       |
| Under 15 years  | P1060001 | 9     | N | 1,1,1 |
| 15 to 64 years  | P1060002 | 9     | N | 1,1,2 |
| 65 years and over   | P1060003 | 9     | N | 1,1,3 |
| No public assistance income:  |          |       |   |       |
| (Repeat AGE)  | P1060004 | 27(1) | N | 1,2,1 |
| P107. FAMILY INCOME IN 1989(25) [25]<br>Universe: Families  |          |       |   |       |
| Less than \$5,000   | P1070001 | 9     | N | 1     |
| \$5,000 to \$9,999  | P1070002 | 9     | N | 2     |
| \$10,000 to \$12,499  | P1070003 | 9     | N | 3     |
| \$12,500 to \$14,999  | P1070004 | 9     | N | 4     |
| \$15,000 to \$17,499  | P1070005 | 9     | N | 5     |
| \$17,500 to \$19,999  | P1070006 | 9     | N | 6     |
| \$20,000 to \$22,499  | P1070007 | 9     | N | 7     |
| \$22,500 to \$24,999  | P1070008 | 9     | N | 8     |
| \$25,000 to \$27,499  | P1070009 | 9     | N | 9     |
| \$27,500 to \$29,999  | P1070010 | 9     | N | 10    |
| \$30,000 to \$32,499  | P1070011 | 9     | N | 11    |
| \$32,500 to \$34,999  | P1070012 | 9     | N | 12    |
| \$35,000 to \$37,499  | P1070013 | 9     | N | 13    |
| \$37,500 to \$39,999  | P1070014 | 9     | N | 14    |
| \$40,000 to \$42,499  | P1070015 | 9     | N | 15    |
| \$42,500 to \$44,999  | P1070016 | 9     | N | 16    |
| \$45,000 to \$47,499  | P1070017 | 9     | N | 17    |
| \$47,500 to \$49,999  | P1070018 | 9     | N | 18    |
| \$50,000 to \$54,999  | P1070019 | 9     | N | 19    |
| \$55,000 to \$59,999  | P1070020 | 9     | N | 20    |
| \$60,000 to \$74,999  | P1070021 | 9     | N | 21    |
| \$75,000 to \$99,999  | P1070022 | 9     | N | 22    |
| \$100,000 to \$124,999  | P1070023 | 9     | N | 23    |



|  |          |   |   |     |
|--|----------|---|---|-----|
| \$125,000 to \$149,999                             | P1070024 | 9 | N | 24  |
| \$150,000 or more                                  | P1070025 | 9 | N | 25  |
| P107A. MEDIAN FAMILY INCOME IN 1989(1) [1]         |          |   |   |     |
| Universe: Families                                 |          |   |   |     |
| Median family income in 1989                       | P107A001 | 9 | N | 1   |
| P108. AGGREGATE FAMILY INCOME IN 1989(1) BY        |          |   |   |     |
| FAMILY INCOME IN 1989(2) [2]                       |          |   |   |     |
| Universe: Families                                 |          |   |   |     |
| Total:   |          |   |   |     |
| Less than \$150,000                                | P1080001 | 9 | N | 1,1 |
| \$150,000 or more                                  | P1080002 | 9 | N | 1,2 |
| P109. AGGREGATE FAMILY INCOME IN 1989(1) BY FAMILY |          |   |   |     |
| TYPE AND PRESENCE AND AGE OF CHILDREN(6) [6]       |          |   |   |     |
| Universe: Families                                 |          |   |   |     |
| Total:   |          |   |   |     |
| Married couple family:                             |          |   |   |     |
| With own children under 18 years                   | P1090001 | 9 | N | 1,1 |
| No own children under 18 years                     | P1090002 | 9 | N | 1,2 |
| Other family:                                      |          |   |   |     |
| Male householder, no wife present:                 |          |   |   |     |
| With own children under 18                         |          |   |   |     |
| years  | P1090003 | 9 | N | 1,3 |
| No own children under 18 years                     | P1090004 | 9 | N | 1,4 |
| Female householder, no husband                     |          |   |   |     |
| present:   |          |   |   |     |
| With own children under 18                         |          |   |   |     |
| years  | P1090005 | 9 | N | 1,5 |
| No own children under 18 years                     | P1090006 | 9 | N | 1,6 |
| P110. NONFAMILY HOUSEHOLD INCOME IN 1989(25) [25]  |          |   |   |     |
| Universe: Nonfamily households                     |          |   |   |     |
| Less than \$5,000                                  | P1100001 | 9 | N | 1   |
| \$5,000 to \$9,999                                 | P1100002 | 9 | N | 2   |
| \$10,000 to \$12,499                               | P1100003 | 9 | N | 3   |
| \$12,500 to \$14,999                               | P1100004 | 9 | N | 4   |
| \$15,000 to \$17,499                               | P1100005 | 9 | N | 5   |
| \$17,500 to \$19,999                               | P1100006 | 9 | N | 6   |
| \$20,000 to \$22,499                               | P1100007 | 9 | N | 7   |
| \$22,500 to \$24,999                               | P1100008 | 9 | N | 8   |
| \$25,000 to \$27,499                               | P1100009 | 9 | N | 9   |
| \$27,500 to \$29,999                               | P1100010 | 9 | N | 10  |
| \$30,000 to \$32,499                               | P1100011 | 9 | N | 11  |
| \$32,500 to \$34,999                               | P1100012 | 9 | N | 12  |
| \$35,000 to \$37,499                               | P1100013 | 9 | N | 13  |
| \$37,500 to \$39,999                               | P1100014 | 9 | N | 14  |
| \$40,000 to \$42,499                               | P1100015 | 9 | N | 15  |
| \$42,500 to \$44,999                               | P1100016 | 9 | N | 16  |
| \$45,000 to \$47,499                               | P1100017 | 9 | N | 17  |
| \$47,500 to \$49,999                               | P1100018 | 9 | N | 18  |
| \$50,000 to \$54,999                               | P1100019 | 9 | N | 19  |
| \$55,000 to \$59,999                               | P1100020 | 9 | N | 20  |
| \$60,000 to \$74,999                               | P1100021 | 9 | N | 21  |
| \$75,000 to \$99,999                               | P1100022 | 9 | N | 22  |
| \$100,000 to \$124,999                             | P1100023 | 9 | N | 23  |

|  |          |   |   |     |
|--|----------|---|---|-----|
| \$125,000 to \$149,999                                       | P1100024 | 9 | N | 24  |
| \$150,000 or more  | P1100025 | 9 | N | 25  |
| P110A. MEDIAN NONFAMILY HOUSEHOLD INCOME                     |          |   |   |     |
| IN 1989(1) [1]   |          |   |   |     |
| Universe: Nonfamily households                               |          |   |   |     |
| Median nonfamily household income                            |          |   |   |     |
| in 1989  | P110A001 | 9 | N | 1   |
| P111. AGGREGATE NONFAMILY HOUSEHOLD INCOME IN 1989(1) BY     |          |   |   |     |
| NONFAMILY HOUSEHOLD INCOME IN 1989(2) [2]                    |          |   |   |     |
| Universe: Nonfamily households                               |          |   |   |     |
| Total:   |          |   |   |     |
| Less than \$150,000  | P1110001 | 9 | N | 1,1 |
| \$150,000 or more  | P1110002 | 9 | N | 1,2 |
| P112. WORKERS IN FAMILY IN 1989(4) [4]                       |          |   |   |     |
| Universe: Families   |          |   |   |     |
| No workers   | P1120001 | 9 | N | 1   |
| 1 worker   | P1120002 | 9 | N | 2   |
| 2 workers  | P1120003 | 9 | N | 3   |
| 3 or more workers  | P1120004 | 9 | N | 4   |
| P113. AGGREGATE FAMILY INCOME IN 1989(1) BY WORKERS          |          |   |   |     |
| IN FAMILY IN 1989(4) [4]                                     |          |   |   |     |
| Universe: Families   |          |   |   |     |
| Total:   |          |   |   |     |
| No workers   | P1130001 | 9 | N | 1,1 |
| 1 worker   | P1130002 | 9 | N | 1,2 |
| 2 workers  | P1130003 | 9 | N | 1,3 |
| 3 or more workers  | P1130004 | 9 | N | 1,4 |
| P114. AGGREGATE INCOME IN 1989(1) BY GROUP QUARTERS(3) [3]   |          |   |   |     |
| Universe: Persons 15 years and over                          |          |   |   |     |
| Total:   |          |   |   |     |
| In households  | P1140001 | 9 | N | 1,1 |
| In group quarters:   |          |   |   |     |
| Institutionalized persons                                    | P1140002 | 9 | N | 1,2 |
| Other persons in group quarters                              | P1140003 | 9 | N | 1,3 |
| Filler   | P1140004 | 9 |   | 1,4 |
| P114A. PER CAPITA INCOME IN 1989(1) [1]                      |          |   |   |     |
| Universe: Persons  |          |   |   |     |
| Per capita income in 1989                                    | P114A001 | 9 | N | 1   |
| P114B. PER CAPITA INCOME IN 1989(1) BY GROUP QUARTERS(3) [3] |          |   |   |     |
| Universe: Persons  |          |   |   |     |
| Per capita income in 1989:                                   |          |   |   |     |
| In households  | P114B001 | 9 | N | 1,1 |
| In group quarters:   |          |   |   |     |
| Institutionalized persons                                    | P114B002 | 9 | N | 1,2 |
| Other persons in group quarters                              | P114B003 | 9 | N | 1,3 |
| Filler   | P114B004 | 9 |   | 1,4 |
| P115. AGGREGATE INCOME IN 1989(1) BY RACE(5) [5]             |          |   |   |     |
| Universe: Persons 15 years and over                          |          |   |   |     |

|  |          |        |   |  |       |
|--|----------|--------|---|--|-------|
| Total:   |          |        |   |  |       |
| White  | P1150001 | 9      | N |  | 1,1   |
| Black  | P1150002 | 9      | N |  | 1,2   |
| American Indian, Eskimo, or Aleut                        | P1150003 | 9      | N |  | 1,3   |
| Asian or Pacific Islander                                | P1150004 | 9      | N |  | 1,4   |
| Other race   | P1150005 | 9      | N |  | 1,5   |
| P115A. PER CAPITA INCOME IN 1989(1) BY RACE(5) [5]       |          |        |   |  |       |
| Universe: Persons  |          |        |   |  |       |
| Per capita income in 1989:                               |          |        |   |  |       |
| White  | P115A001 | 9      | N |  | 1,1   |
| Black  | P115A002 | 9      | N |  | 1,2   |
| American Indian, Eskimo, or Aleut                        | P115A003 | 9      | N |  | 1,3   |
| Asian or Pacific Islander                                | P115A004 | 9      | N |  | 1,4   |
| Other race   | P115A005 | 9      | N |  | 1,5   |
| P116. AGGREGATE INCOME IN 1989(1) [1]                    |          |        |   |  |       |
| Universe: Persons of Hispanic origin 15 years and over   |          |        |   |  |       |
| Total  | P1160001 | 9      | N |  | 1     |
| P116A. PER CAPITA INCOME IN 1989(1) [1]                  |          |        |   |  |       |
| Universe: Persons of Hispanic origin                     |          |        |   |  |       |
| Per capita income in 1989                                | P116A001 | 9      | N |  | 1     |
| P117. POVERTY STATUS IN 1989(2) BY AGE(12) [24]          |          |        |   |  |       |
| Universe: Persons for whom poverty status is determined  |          |        |   |  |       |
| Income in 1989 above poverty level:                      |          |        |   |  |       |
| Under 5 years  | P1170001 | 9      | N |  | 1,1   |
| 5 years  | P1170002 | 9      | N |  | 1,2   |
| 6 to 11 years  | P1170003 | 9      | N |  | 1,3   |
| 12 to 17 years   | P1170004 | 9      | N |  | 1,4   |
| 18 to 24 years   | P1170005 | 9      | N |  | 1,5   |
| 25 to 34 years   | P1170006 | 9      | N |  | 1,6   |
| 35 to 44 years   | P1170007 | 9      | N |  | 1,7   |
| 45 to 54 years   | P1170008 | 9      | N |  | 1,8   |
| 55 to 59 years   | P1170009 | 9      | N |  | 1,9   |
| 60 to 64 years   | P1170010 | 9      | N |  | 1,10  |
| 65 to 74 years   | P1170011 | 9      | N |  | 1,11  |
| 75 years and over  | P1170012 | 9      | N |  | 1,12  |
| Income in 1989 below poverty level:                      |          |        |   |  |       |
| (Repeat AGE)   | P1170013 | 1081   | N |  | 2,1   |
| P118. POVERTY STATUS IN 1989(2) BY SEX(2) BY AGE(7) [28] |          |        |   |  |       |
| Universe: Persons for whom poverty status is determined  |          |        |   |  |       |
| Income in 1989 above poverty level:                      |          |        |   |  |       |
| Male:  |          |        |   |  |       |
| Under 5 years  | P1180001 | 9      | N |  | 1,1,1 |
| 5 years  | P1180002 | 9      | N |  | 1,1,2 |
| 6 to 11 years  | P1180003 | 9      | N |  | 1,1,3 |
| 12 to 17 years   | P1180004 | 9      | N |  | 1,1,4 |
| 18 to 64 years   | P1180005 | 9      | N |  | 1,1,5 |
| 65 to 74 years   | P1180006 | 9      | N |  | 1,1,6 |
| 75 years and over  | P1180007 | 9      | N |  | 1,1,7 |
| Female:  |          |        |   |  |       |
| (Repeat AGE)   | P1180008 | 63(1)  | N |  | 1,2,1 |
| Income in 1989 below poverty level:                      |          |        |   |  |       |
| (Repeat SEX By AGE)                                      | P1180015 | 126(1) | N |  | 2,1,1 |

P119. POVERTY STATUS IN 1989(2) BY RACE(5) BY AGE(7) [70]

Universe: Persons for whom poverty status is determined

Income in 1989 above poverty level:

White:

|                   |          |   |   |       |
|-------------------|----------|---|---|-------|
| Under 5 years     | P1190001 | 9 | N | 1,1,1 |
| 5 years           | P1190002 | 9 | N | 1,1,2 |
| 6 to 11 years     | P1190003 | 9 | N | 1,1,3 |
| 12 to 17 years    | P1190004 | 9 | N | 1,1,4 |
| 18 to 64 years    | P1190005 | 9 | N | 1,1,5 |
| 65 to 74 years    | P1190006 | 9 | N | 1,1,6 |
| 75 years and over | P1190007 | 9 | N | 1,1,7 |

Black:

|              |          |       |   |       |
|--------------|----------|-------|---|-------|
| (Repeat AGE) | P1190008 | 63(1) | N | 1,2,1 |
|--------------|----------|-------|---|-------|

American Indian, Eskimo, or Aleut:

|              |          |       |   |       |
|--------------|----------|-------|---|-------|
| (Repeat AGE) | P1190015 | 63(1) | N | 1,3,1 |
|--------------|----------|-------|---|-------|

Asian or Pacific Islander:

|              |          |       |   |       |
|--------------|----------|-------|---|-------|
| (Repeat AGE) | P1190022 | 63(1) | N | 1,4,1 |
|--------------|----------|-------|---|-------|

Other race:

|              |          |       |   |       |
|--------------|----------|-------|---|-------|
| (Repeat AGE) | P1190029 | 63(1) | N | 1,5,1 |
|--------------|----------|-------|---|-------|

Income in 1989 below poverty level:

|                      |          |        |   |       |
|----------------------|----------|--------|---|-------|
| (Repeat RACE By AGE) | P1190036 | 315(1) | N | 2,1,1 |
|----------------------|----------|--------|---|-------|

P120. POVERTY STATUS IN 1989(2) BY AGE(7) [14]

Universe: Persons of Hispanic origin for whom poverty status is determined

Income in 1989 above poverty level:

|                   |          |   |   |     |
|-------------------|----------|---|---|-----|
| Under 5 years     | P1200001 | 9 | N | 1,1 |
| 5 years           | P1200002 | 9 | N | 1,2 |
| 6 to 11 years     | P1200003 | 9 | N | 1,3 |
| 12 to 17 years    | P1200004 | 9 | N | 1,4 |
| 18 to 64 years    | P1200005 | 9 | N | 1,5 |
| 65 to 74 years    | P1200006 | 9 | N | 1,6 |
| 75 years and over | P1200007 | 9 | N | 1,7 |

Income in 1989 below poverty level:

|              |          |     |   |     |
|--------------|----------|-----|---|-----|
| (Repeat AGE) | P1200008 | 631 | N | 2,1 |
|--------------|----------|-----|---|-----|

P121. RATIO OF INCOME IN 1989 TO POVERTY LEVEL(9) [9]

Universe: Persons for whom poverty status is determined

|               |          |   |   |   |
|---------------|----------|---|---|---|
| Under .50     | P1210001 | 9 | N | 1 |
| 50 to .74     | P1210002 | 9 | N | 2 |
| 75 to .99     | P1210003 | 9 | N | 3 |
| 1.00 to 1.24  | P1210004 | 9 | N | 4 |
| 1.25 to 1.49  | P1210005 | 9 | N | 5 |
| 1.50 to 1.74  | P1210006 | 9 | N | 6 |
| 1.75 to 1.84  | P1210007 | 9 | N | 7 |
| 1.85 to 1.99  | P1210008 | 9 | N | 8 |
| 2.00 and over | P1210009 | 9 | N | 9 |

P122. POVERTY STATUS IN 1989(2) BY AGE(3) BY HOUSEHOLD

TYPE AND RELATIONSHIP(9) [54]

Universe: Persons for whom poverty status is determined

Income in 1989 above poverty level:

Under 65 years:

|                          |          |   |   |       |
|--------------------------|----------|---|---|-------|
| In married couple family | P1220001 | 9 | N | 1,1,1 |
|--------------------------|----------|---|---|-------|

In other family:

Male householder, no wife

|                                     |          |       |   |       |
|-------------------------------------|----------|-------|---|-------|
| present                             | P1220002 | 9     | N | 1,1,2 |
| Female householder, no husband      |          |       |   |       |
| present                             | P1220003 | 9     | N | 1,1,3 |
| Unrelated individuals:              |          |       |   |       |
| In family households                | P1220004 | 9     | N | 1,1,4 |
| In nonfamily households:            |          |       |   |       |
| Householder:                        |          |       |   |       |
| Living alone                        | P1220005 | 9     | N | 1,1,5 |
| Not living alone                    | P1220006 | 9     | N | 1,1,6 |
| Nonrelatives                        | P1220007 | 9     | N | 1,1,7 |
| In group quarters                   | P1220008 | 9     | N | 1,1,8 |
| Filler                              | P1220009 | 9     |   | 1,1,9 |
| 65 to 74 years:                     |          |       |   |       |
| (Repeat HOUSEHOLD TYPE AND          |          |       |   |       |
| RELATIONSHIP)                       | P1220010 | 81(1) | N | 1,2,1 |
| 75 years and over:                  |          |       |   |       |
| (Repeat HOUSEHOLD TYPE AND          |          |       |   |       |
| RELATIONSHIP)                       | P1220019 | 81(1) | N | 1,3,1 |
| Income in 1989 below poverty level: |          |       |   |       |
| (Repeat AGE By HOUSEHOLD TYPE AND   |          |       |   |       |
| RELATIONSHIP)                       | P1220028 | 2431  | N | 2,1,1 |

P123. POVERTY STATUS IN 1989(2) BY FAMILY TYPE AND PRESENCE  
AND AGE OF CHILDREN(12) [24]

|   |          |        |   |      |
|---|----------|--------|---|------|
| Universe: Families                      |          |        |   |      |
| Income in 1989 above poverty level:     |          |        |   |      |
| Married couple family:                  |          |        |   |      |
| With related children under 18 years:   |          |        |   |      |
| Under 5 years only                      | P1230001 | 9      | N | 1,1  |
| 5 to 17 years only                      | P1230002 | 9      | N | 1,2  |
| Under 5 years and 5 to 17               |          |        |   |      |
| years                                   | P1230003 | 9      | N | 1,3  |
| No related children under 18            |          |        |   |      |
| years                                   | P1230004 | 9      | N | 1,4  |
| Other family:                           |          |        |   |      |
| Male householder, no wife present:      |          |        |   |      |
| With related children under 18 years:   |          |        |   |      |
| Under 5 years only                      | P1230005 | 9      | N | 1,5  |
| 5 to 17 years only                      | P1230006 | 9      | N | 1,6  |
| Under 5 years and 5 to 17               |          |        |   |      |
| years                                   | P1230007 | 9      | N | 1,7  |
| No related children under 18            |          |        |   |      |
| years                                   | P1230008 | 9      | N | 1,8  |
| Female householder, no husband present: |          |        |   |      |
| With related children under 18 years:   |          |        |   |      |
| Under 5 years only                      | P1230009 | 9      | N | 1,9  |
| 5 to 17 years only                      | P1230010 | 9      | N | 1,10 |
| Under 5 years and 5 to 17               |          |        |   |      |
| years                                   | P1230011 | 9      | N | 1,11 |
| No related children under 18            |          |        |   |      |
| years                                   | P1230012 | 9      | N | 1,12 |
| Income in 1989 below poverty level:     |          |        |   |      |
| (Repeat FAMILY TYPE AND PRESENCE AND    |          |        |   |      |
| AGE OF CHILDREN)OF CHILDREN)            | P1230013 | 108(1) | N | 2,1  |

P124A. POVERTY STATUS IN 1989(1) BY RACE OF HOUSEHOLDER(5) BY  
FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN(12) [60]

Universe: Families with income above poverty level  
 Income in 1989 above poverty level:

White:

Married couple family:

With related children under 18 years:

|                                    |          |   |   |       |
|------------------------------------|----------|---|---|-------|
| Under 5 years only                 | P124A001 | 9 | N | 1,1,1 |
| 5 to 17 years only                 | P124A002 | 9 | N | 1,1,2 |
| Under 5 years and 5 to 17 years    | P124A003 | 9 | N | 1,1,3 |
| No related children under 18 years | P124A004 | 9 | N | 1,1,4 |

Other family:

Male householder, no wife present:

With related children under 18 years:

|                                 |          |   |   |       |
|---------------------------------|----------|---|---|-------|
| Under 5 years only              | P124A005 | 9 | N | 1,1,5 |
| 5 to 17 years only              | P124A006 | 9 | N | 1,1,6 |
| Under 5 years and 5 to 17 years | P124A007 | 9 | N | 1,1,7 |

No related children under 18 years

|          |   |   |       |
|----------|---|---|-------|
| P124A008 | 9 | N | 1,1,8 |
|----------|---|---|-------|

Female householder, no husband present:

With related children under 18 years:

|                                 |          |   |   |        |
|---------------------------------|----------|---|---|--------|
| Under 5 years only              | P124A009 | 9 | N | 1,1,9  |
| 5 to 17 years only              | P124A010 | 9 | N | 1,1,10 |
| Under 5 years and 5 to 17 years | P124A011 | 9 | N | 1,1,11 |

No related children under 18 years

|          |   |   |        |
|----------|---|---|--------|
| P124A012 | 9 | N | 1,1,12 |
|----------|---|---|--------|

Black:

|   |          |        |   |       |
|---|----------|--------|---|-------|
| (Repeat FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN) | P124A013 | 108(1) | N | 1,2,1 |
|---|----------|--------|---|-------|

American Indian, Eskimo, or Aleut:

|   |          |        |   |       |
|---|----------|--------|---|-------|
| (Repeat FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN) | P124A025 | 108(1) | N | 1,3,1 |
|---|----------|--------|---|-------|

Asian or Pacific Islander:

|   |          |        |   |       |
|---|----------|--------|---|-------|
| (Repeat FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN) | P124A037 | 108(1) | N | 1,4,1 |
|---|----------|--------|---|-------|

Other race:

|   |          |        |   |       |
|---|----------|--------|---|-------|
| (Repeat FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN) | P124A049 | 108(1) | N | 1,5,1 |
|---|----------|--------|---|-------|

P124B. POVERTY STATUS IN 1989(1) BY RACE  
 OF HOUSEHOLDER(5) BY  
 FAMILY TYPE AND PRESENCE AND AGE  
 OF CHILDREN(12) [60]

Universe: Families with income above  
 poverty level

Income in 1989 below poverty level:

|   |          |        |   |       |
|---|----------|--------|---|-------|
| (Repeat RACE OF HOUSEHOLDER By FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN)(2) | P124B001 | 540(1) | N | 2,1,1 |
|---|----------|--------|---|-------|

P125. POVERTY STATUS IN 1989(2) BY FAMILY  
 TYPE AND PRESENCE  
 AND AGE OF CHILDREN(12) [24]

Universe: Families with householder of Hispanic origin  
 Income in 1989 above poverty level:

|   |          |        |   |  |      |
|---|----------|--------|---|--|------|
| Married couple family:                                |          |        |   |  |      |
| With related children under 18 years:                 |          |        |   |  |      |
| Under 5 years only                                    | P1250001 | 9      | N |  | 1,1  |
| 5 to 17 years only                                    | P1250002 | 9      | N |  | 1,2  |
| Under 5 years and 5 to 17 years                       | P1250003 | 9      | N |  | 1,3  |
| No related children under 18 years                    | P1250004 | 9      | N |  | 1,4  |
| Other family:   |          |        |   |  |      |
| Male householder, no wife present:                    |          |        |   |  |      |
| With related children under 18 years:                 |          |        |   |  |      |
| Under 5 years only                                    | P1250005 | 9      | N |  | 1,5  |
| 5 to 17 years only                                    | P1250006 | 9      | N |  | 1,6  |
| Under 5 years and 5 to 17 years                       | P1250007 | 9      | N |  | 1,7  |
| No related children under 18 years                    | P1250008 | 9      | N |  | 1,8  |
| Female householder, no husband present:               |          |        |   |  |      |
| With related children under 18 years:                 |          |        |   |  |      |
| Under 5 years only                                    | P1250009 | 9      | N |  | 1,9  |
| 5 to 17 years only                                    | P1250010 | 9      | N |  | 1,10 |
| Under 5 years and 5 to 17 years                       | P1250011 | 9      | N |  | 1,11 |
| No related children under 18 years                    | P1250012 | 9      | N |  | 1,12 |
| Income in 1989 below poverty level:                   |          |        |   |  |      |
| (Repeat FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN) | P1250013 | 108(1) | N |  | 2,1  |

P126. POVERTY STATUS IN 1989(2) BY FAMILY TYPE AND AGE(9) [18]

Universe: Related children under 18 years

Income in 1989 above poverty level:

|   |          |       |   |  |     |
|---|----------|-------|---|--|-----|
| In married couple family:               |          |       |   |  |     |
| Under 5 years                           | P1260001 | 9     | N |  | 1,1 |
| 5 years                                 | P1260002 | 9     | N |  | 1,2 |
| 6 to 17 years                           | P1260003 | 9     | N |  | 1,3 |
| In other family:                        |          |       |   |  |     |
| Male householder, no wife present:      |          |       |   |  |     |
| Under 5 years                           | P1260004 | 9     | N |  | 1,4 |
| 5 years                                 | P1260005 | 9     | N |  | 1,5 |
| 6 to 17 years                           | P1260006 | 9     | N |  | 1,6 |
| Female householder, no husband present: |          |       |   |  |     |
| Under 5 years                           | P1260007 | 9     | N |  | 1,7 |
| 5 years                                 | P1260008 | 9     | N |  | 1,8 |
| 6 to 17 years                           | P1260009 | 9     | N |  | 1,9 |
| Income in 1989 below poverty level:     |          |       |   |  |     |
| (Repeat FAMILY TYPE AND AGE)            | P1260010 | 81(1) | N |  | 2,1 |

P127. POVERTY STATUS IN 1989(2) BY AGE OF HOUSEHOLDER(3) BY HOUSEHOLD TYPE(5) [30]

Universe: Households

Income in 1989 above poverty level:

|                                   |          |   |   |  |       |
|-----------------------------------|----------|---|---|--|-------|
| Householder 15 to 64 years:       |          |   |   |  |       |
| Married couple family             | P1270001 | 9 | N |  | 1,1,1 |
| Other family:                     |          |   |   |  |       |
| Male householder, no wife present | P1270002 | 9 | N |  | 1,1,2 |

|   |          |        |   |       |
|---|----------|--------|---|-------|
| Female householder, no husband present        | P1270003 | 9      | N | 1,1,3 |
| Nonfamily households:                         |          |        |   |       |
| Householder living alone                      | P1270004 | 9      | N | 1,1,4 |
| Householder not living alone                  | P1270005 | 9      | N | 1,1,5 |
| Householder 65 to 74 years:                   |          |        |   |       |
| (Repeat HOUSEHOLD TYPE)                       | P1270006 | 45(1)  | N | 1,2,1 |
| Householder 75 years and over:                |          |        |   |       |
| (Repeat HOUSEHOLD TYPE)                       | P1270011 | 45(1)  | N | 1,3,1 |
| Income in 1989 below poverty level:           |          |        |   |       |
| (Repeat AGE OF HOUSEHOLDER By HOUSEHOLD TYPE) | P1270016 | 135(1) | N | 2,1,1 |
| P128. IMPUTATION OF POPULATION ITEMS(3) [3]   |          |        |   |       |
| Universe: Persons                             |          |        |   |       |
| Filler  | P1280001 | 9      | N | 1     |
| No items allocated                            | P1280002 | 9      | N | 2     |
| One or more items allocated                   | P1280003 | 9      | N | 3     |
| P129. IMPUTATION OF RELATIONSHIP(2) [2]       |          |        |   |       |
| Universe: Persons in households               |          |        |   |       |
| Allocated                                     | P1290001 | 9      | N | 1     |
| Not allocated                                 | P1290002 | 9      | N | 2     |
| P130. IMPUTATION OF SEX(3) [3]                |          |        |   |       |
| Universe: Persons                             |          |        |   |       |
| Filler  | P1300001 | 9      | N | 1     |
| Allocated                                     | P1300002 | 9      | N | 2     |
| Not allocated                                 | P1300003 | 9      | N | 3     |
| P131. IMPUTATION OF AGE(3) [3]                |          |        |   |       |
| Universe: Persons                             |          |        |   |       |
| Filler  | P1310001 | 9      | N | 1     |
| Allocated                                     | P1310002 | 9      | N | 2     |
| Not allocated                                 | P1310003 | 9      | N | 3     |
| P132. IMPUTATION OF RACE(3) [3]               |          |        |   |       |
| Universe: Persons                             |          |        |   |       |
| Filler  | P1320001 | 9      | N | 1     |
| Allocated                                     | P1320002 | 9      | N | 2     |
| Not allocated                                 | P1320003 | 9      | N | 3     |
| P133. IMPUTATION OF MARITAL STATUS(3) [3]     |          |        |   |       |
| Universe: Persons 15 years and over           |          |        |   |       |
| Filler  | P1330001 | 9      | N | 1     |
| Allocated                                     | P1330002 | 9      | N | 2     |
| Not allocated                                 | P1330003 | 9      | N | 3     |
| P134. IMPUTATION OF HISPANIC ORIGIN(3) [3]    |          |        |   |       |
| Universe: Persons                             |          |        |   |       |
| Filler  | P1340001 | 9      | N | 1     |
| Allocated                                     | P1340002 | 9      | N | 2     |
| Not allocated                                 | P1340003 | 9      | N | 3     |
| P135. IMPUTATION OF GROUP QUARTERS(2) [2]     |          |        |   |       |
| Universe: Persons in group quarters           |          |        |   |       |
| Allocated                                     | P1350001 | 9      | N | 1     |
| Not allocated                                 | P1350002 | 9      | N | 2     |



|   |          |   |   |  |   |
|---|----------|---|---|--|---|
| P136. IMPUTATION OF PLACE OF BIRTH(3) [3]         |          |   |   |  |   |
| Universe: Persons                                 |          |   |   |  |   |
| Filler  | P1360001 | 9 | N |  | 1 |
| Allocated   | P1360002 | 9 | N |  | 2 |
| Not allocated                                     | P1360003 | 9 | N |  | 3 |
| P137. IMPUTATION OF CITIZENSHIP(3) [3]            |          |   |   |  |   |
| Universe: Persons                                 |          |   |   |  |   |
| Filler  | P1370001 | 9 | N |  | 1 |
| Allocated   | P1370002 | 9 | N |  | 2 |
| Not allocated                                     | P1370003 | 9 | N |  | 3 |
| P138. IMPUTATION OF YEAR OF ENTRY(3) [3]          |          |   |   |  |   |
| Universe: Foreign born persons                    |          |   |   |  |   |
| Filler  | P1380001 | 9 | N |  | 1 |
| Allocated   | P1380002 | 9 | N |  | 2 |
| Not allocated                                     | P1380003 | 9 | N |  | 3 |
| P139. IMPUTATION OF SCHOOL ENROLLMENT(3) [3]      |          |   |   |  |   |
| Universe: Persons 3 years and over                |          |   |   |  |   |
| Filler  | P1390001 | 9 | N |  | 1 |
| Allocated   | P1390002 | 9 | N |  | 2 |
| Not allocated                                     | P1390003 | 9 | N |  | 3 |
| P140. IMPUTATION OF EDUCATIONAL ATTAINMENT(3) [3] |          |   |   |  |   |
| Universe: Persons 18 years and over               |          |   |   |  |   |
| Filler  | P1400001 | 9 | N |  | 1 |
| Allocated   | P1400002 | 9 | N |  | 2 |
| Not allocated                                     | P1400003 | 9 | N |  | 3 |
| P141. IMPUTATION OF EDUCATIONAL ATTAINMENT(3) [3] |          |   |   |  |   |
| Universe: Persons 25 years and over               |          |   |   |  |   |
| Filler  | P1410001 | 9 | N |  | 1 |
| Allocated   | P1410002 | 9 | N |  | 2 |
| Not allocated                                     | P1410003 | 9 | N |  | 3 |
| P142. IMPUTATION OF ANCESTRY(3) [3]               |          |   |   |  |   |
| Universe: Persons                                 |          |   |   |  |   |
| Filler  | P1420001 | 9 | N |  | 1 |
| Allocated   | P1420002 | 9 | N |  | 2 |
| Not allocated                                     | P1420003 | 9 | N |  | 3 |
| P143. IMPUTATION OF MOBILITY STATUS(3) [3]        |          |   |   |  |   |
| Universe: Persons 5 years and over                |          |   |   |  |   |
| Filler  | P1430001 | 9 | N |  | 1 |
| Allocated   | P1430002 | 9 | N |  | 2 |
| Not allocated                                     | P1430003 | 9 | N |  | 3 |
| P144. IMPUTATION OF RESIDENCE IN 1985(5) [5]      |          |   |   |  |   |
| Universe: Persons 5 years and over                |          |   |   |  |   |
| Different house in 1985:                          |          |   |   |  |   |
| Filler  | P1440001 | 9 | N |  | 1 |
| Allocated:  |          |   |   |  |   |
| One or more but not all                           |          |   |   |  |   |
| geographic parts allocated                        | P1440002 | 9 | N |  | 2 |
| All geographic parts allocated                    | P1440003 | 9 | N |  | 3 |

|   |          |   |   |   |
|---|----------|---|---|---|
| Not allocated   | P1440004 | 9 | N | 4 |
| Same house in 1985  | P1440005 | 9 | N | 5 |
| P145. IMPUTATION OF LANGUAGE STATUS(3) [3]                        |          |   |   |   |
| Universe: Persons 5 years and over                                |          |   |   |   |
| Filler  | P1450001 | 9 | N | 1 |
| Allocated   | P1450002 | 9 | N | 2 |
| Not allocated   | P1450003 | 9 | N | 3 |
| P146. IMPUTATION OF LANGUAGE SPOKEN AT HOME(4) [4]                |          |   |   |   |
| Universe: Persons 5 years and over                                |          |   |   |   |
| Speak only English  | P1460001 | 9 | N | 1 |
| Speak other language:   |          |   |   |   |
| Filler  | P1460002 | 9 | N | 2 |
| Allocated   | P1460003 | 9 | N | 3 |
| Not allocated   | P1460004 | 9 | N | 4 |
| P147. IMPUTATION OF ABILITY TO SPEAK ENGLISH(4) [4]               |          |   |   |   |
| Universe: Persons 5 years and over                                |          |   |   |   |
| Speak only English  | P1470001 | 9 | N | 1 |
| Speak other language:   |          |   |   |   |
| Filler  | P1470002 | 9 | N | 2 |
| Allocated   | P1470003 | 9 | N | 3 |
| Not allocated   | P1470004 | 9 | N | 4 |
| P148. IMPUTATION OF VETERAN STATUS(3) [3]                         |          |   |   |   |
| Universe: Persons 16 years and over                               |          |   |   |   |
| Filler  | P1480001 | 9 | N | 1 |
| Allocated   | P1480002 | 9 | N | 2 |
| Not allocated   | P1480003 | 9 | N | 3 |
| P149. IMPUTATION OF PERIOD OF MILITARY SERVICE(3) [3]             |          |   |   |   |
| Universe: Civilian veterans 16 years and over                     |          |   |   |   |
| Filler  | P1490001 | 9 | N | 1 |
| Allocated   | P1490002 | 9 | N | 2 |
| Not allocated   | P1490003 | 9 | N | 3 |
| P150. IMPUTATION OF WORK DISABILITY STATUS(3) [3]                 |          |   |   |   |
| Universe: Civilian noninstitutionalized persons 16 years and over |          |   |   |   |
| Filler  | P1500001 | 9 | N | 1 |
| Allocated   | P1500002 | 9 | N | 2 |
| Not allocated   | P1500003 | 9 | N | 3 |
| P151. IMPUTATION OF MOBILITY LIMITATION STATUS(3) [3]             |          |   |   |   |
| Universe: Civilian noninstitutionalized persons 16 years and over |          |   |   |   |
| Filler  | P1510001 | 9 | N | 1 |
| Allocated   | P1510002 | 9 | N | 2 |
| Not allocated   | P1510003 | 9 | N | 3 |
| P152. IMPUTATION OF SELF CARE LIMITATION STATUS(3) [3]            |          |   |   |   |
| Universe: Civilian noninstitutionalized persons 16 years and over |          |   |   |   |
| Filler  | P1520001 | 9 | N | 1 |
| Allocated   | P1520002 | 9 | N | 2 |
| Not allocated   | P1520003 | 9 | N | 3 |
| P153. IMPUTATION OF CHILDREN EVER BORN(3) [3]                     |          |   |   |   |
| Universe: Females 15 years and over                               |          |   |   |   |

|  |          |   |   |   |
|--|----------|---|---|---|
| Filler   | P1530001 | 9 | N | 1 |
| Allocated  | P1530002 | 9 | N | 2 |
| Not allocated  | P1530003 | 9 | N | 3 |
| P154. IMPUTATION OF PLACE OF WORK(4) [4]                       |          |   |   |   |
| Universe: Workers 16 years and over                            |          |   |   |   |
| Filler   | P1540001 | 9 | N | 1 |
| Allocated:   |          |   |   |   |
| One or more but not all geographic parts allocated             | P1540002 | 9 | N | 2 |
| All geographic parts allocated                                 | P1540003 | 9 | N | 3 |
| Not allocated  | P1540004 | 9 | N | 4 |
| P155. IMPUTATION OF MEANS OF TRANSPORTATION TO WORK(3) [3]     |          |   |   |   |
| Universe: Workers 16 years and over                            |          |   |   |   |
| Filler   | P1550001 | 9 | N | 1 |
| Allocated  | P1550002 | 9 | N | 2 |
| Not allocated  | P1550003 | 9 | N | 3 |
| P156. IMPUTATION OF PRIVATE VEHICLE OCCUPANCY(4) [4]           |          |   |   |   |
| Universe: Workers 16 years and over                            |          |   |   |   |
| Car, truck, or van:  |          |   |   |   |
| Filler   | P1560001 | 9 | N | 1 |
| Allocated  | P1560002 | 9 | N | 2 |
| Not allocated  | P1560003 | 9 | N | 3 |
| Other means  | P1560004 | 9 | N | 4 |
| P157. IMPUTATION OF TIME LEAVING HOME TO GO TO WORK(4) [4]     |          |   |   |   |
| Universe: Workers 16 years and over                            |          |   |   |   |
| Did not work at home:  |          |   |   |   |
| Filler   | P1570001 | 9 | N | 1 |
| Allocated  | P1570002 | 9 | N | 2 |
| Not allocated  | P1570003 | 9 | N | 3 |
| Worked at home   | P1570004 | 9 | N | 4 |
| P158. IMPUTATION OF TRAVEL TIME TO WORK(4) [4]                 |          |   |   |   |
| Universe: Workers 16 years and over                            |          |   |   |   |
| Did not work at home:  |          |   |   |   |
| Filler   | P1580001 | 9 | N | 1 |
| Allocated  | P1580002 | 9 | N | 2 |
| Not allocated  | P1580003 | 9 | N | 3 |
| Worked at home   | P1580004 | 9 | N | 4 |
| P159. IMPUTATION OF EMPLOYMENT STATUS(3) [3]                   |          |   |   |   |
| Universe: Persons 16 years and over                            |          |   |   |   |
| Filler   | P1590001 | 9 | N | 1 |
| Allocated  | P1590002 | 9 | N | 2 |
| Not allocated  | P1590003 | 9 | N | 3 |
| P160. IMPUTATION OF WORK STATUS IN 1989(3) [3]                 |          |   |   |   |
| Universe: Persons 16 years and over                            |          |   |   |   |
| Filler   | P1600001 | 9 | N | 1 |
| Allocated  | P1600002 | 9 | N | 2 |
| Not allocated  | P1600003 | 9 | N | 3 |
| P161. IMPUTATION OF USUAL HOURS WORKED PER WEEK IN 1989(4) [4] |          |   |   |   |

|  |          |   |   |   |  |
|--|----------|---|---|---|--|
| Universe: Persons 16 years and over                              |          |   |   |   |  |
| Worked in 1989:  |          |   |   |   |  |
| Filler   | P1610001 | 9 | N | 1 |  |
| Allocated  | P1610002 | 9 | N | 2 |  |
| Not allocated  | P1610003 | 9 | N | 3 |  |
| Did not work in 1989   | P1610004 | 9 | N | 4 |  |
| P162. IMPUTATION OF WEEKS WORKED IN 1989(4) [4]                  |          |   |   |   |  |
| Universe: Persons 16 years and over                              |          |   |   |   |  |
| Worked in 1989:  |          |   |   |   |  |
| Filler   | P1620001 | 9 | N | 1 |  |
| Allocated  | P1620002 | 9 | N | 2 |  |
| Not allocated  | P1620003 | 9 | N | 3 |  |
| Did not work in 1989   | P1620004 | 9 | N | 4 |  |
| P163. IMPUTATION OF INDUSTRY(3) [3]                              |          |   |   |   |  |
| Universe: Employed persons 16 years and over                     |          |   |   |   |  |
| Filler   | P1630001 | 9 | N | 1 |  |
| Allocated  | P1630002 | 9 | N | 2 |  |
| Not allocated  | P1630003 | 9 | N | 3 |  |
| P164. IMPUTATION OF OCCUPATION(3) [3]                            |          |   |   |   |  |
| Universe: Employed persons 16 years and over                     |          |   |   |   |  |
| Filler   | P1640001 | 9 | N | 1 |  |
| Allocated  | P1640002 | 9 | N | 2 |  |
| Not allocated  | P1640003 | 9 | N | 3 |  |
| P165. IMPUTATION OF CLASS OF WORKER(3) [3]                       |          |   |   |   |  |
| Universe: Employed persons 16 years and over                     |          |   |   |   |  |
| Filler   | P1650001 | 9 | N | 1 |  |
| Allocated  | P1650002 | 9 | N | 2 |  |
| Not allocated  | P1650003 | 9 | N | 3 |  |
| P166. IMPUTATION OF INCOME IN 1989(3) [3]                        |          |   |   |   |  |
| Universe: Persons 15 years and over                              |          |   |   |   |  |
| Filler   | P1660001 | 9 | N | 1 |  |
| Allocated  | P1660002 | 9 | N | 2 |  |
| Not allocated  | P1660003 | 9 | N | 3 |  |
| P167. IMPUTATION OF HOUSEHOLD INCOME IN 1989(2) [2]              |          |   |   |   |  |
| Universe: Households   |          |   |   |   |  |
| Allocated  | P1670001 | 9 | N | 1 |  |
| Not allocated  | P1670002 | 9 | N | 2 |  |
| P168. IMPUTATION OF FAMILY INCOME IN 1989(2) [2]                 |          |   |   |   |  |
| Universe: Families   |          |   |   |   |  |
| Allocated  | P1680001 | 9 | N | 1 |  |
| Not allocated  | P1680002 | 9 | N | 2 |  |
| P169. IMPUTATION OF NONFAMILY HOUSEHOLD INCOME IN<br>1989(2) [2] |          |   |   |   |  |
| Universe: Nonfamily households                                   |          |   |   |   |  |
| Allocated  | P1690001 | 9 | N | 1 |  |
| Not allocated  | P1690002 | 9 | N | 2 |  |
| P170. IMPUTATION OF POVERTY STATUS IN 1989(3) [3]                |          |   |   |   |  |
| Universe: Persons for whom poverty status is determined          |          |   |   |   |  |

|   |          |       |   |     |
|---|----------|-------|---|-----|
| Filler  | P1700001 | 9     | N | 1   |
| Allocated   | P1700002 | 9     | N | 2   |
| Not allocated   | P1700003 | 9     | N | 3   |
| H1. HOUSING UNITS(1) [1]  |          |       |   |     |
| Universe: Housing units   |          |       |   |     |
| Total   | H0010001 | 9     | N | 1   |
| H2. UNWEIGHTED SAMPLE COUNT OF HOUSING UNITS(1) [1]               |          |       |   |     |
| Universe: Housing units   |          |       |   |     |
| Total   | H0020001 | 9     | N | 1   |
| H3. 100 PERCENT COUNT OF HOUSING UNITS(1) [1]                     |          |       |   |     |
| Universe: Housing units   |          |       |   |     |
| Total   | H0030001 | 9     | N | 1   |
| H3A. PERCENT OF HOUSING UNITS IN SAMPLE(1) [1]                    |          |       |   |     |
| 1 implied decimal(s)  |          |       |   |     |
| Universe: Housing units   |          |       |   |     |
| Total   | H003A001 | 9     | N | 1   |
| H4. OCCUPANCY STATUS(2) [2]                                       |          |       |   |     |
| Universe: Housing units   |          |       |   |     |
| Occupied  | H0040001 | 9     | N | 1   |
| Vacant  | H0040002 | 9     | N | 2   |
| H5. URBAN AND RURAL(4) [4]  |          |       |   |     |
| Universe: Housing units   |          |       |   |     |
| Urban:  |          |       |   |     |
| Inside urbanized area   | H0050001 | 9     | N | 1   |
| Outside urbanized area  | H0050002 | 9     | N | 2   |
| Rural:  |          |       |   |     |
| Farm  | H0050003 | 9     | N | 3   |
| Nonfarm   | H0050004 | 9     | N | 4   |
| H6. CONDOMINIUM STATUS(2) BY VACANCY STATUS(4) [8]                |          |       |   |     |
| Universe: Vacant housing units                                    |          |       |   |     |
| Condominium:  |          |       |   |     |
| For rent  | H0060001 | 9     | N | 1,1 |
| For sale only   | H0060002 | 9     | N | 1,2 |
| For seasonal, recreational, or<br>occasional use                  | H0060003 | 9     | N | 1,3 |
| All other vacants   | H0060004 | 9     | N | 1,4 |
| Not condominium:  |          |       |   |     |
| (Repeat VACANCY STATUS)   | H0060005 | 36(1) | N | 2,1 |
| H7. CONDOMINIUM STATUS(2) BY TENURE AND MORTGAGE<br>STATUS(3) [6] |          |       |   |     |
| Universe: Occupied housing units                                  |          |       |   |     |
| Condominium:  |          |       |   |     |
| Owner occupied:   |          |       |   |     |
| With a mortgage   | H0070001 | 9     | N | 1,1 |
| Not mortgaged   | H0070002 | 9     | N | 1,2 |
| Renter occupied   | H0070003 | 9     | N | 1,3 |
| Not condominium:  |          |       |   |     |
| (Repeat TENURE AND MORTGAGE STATUS)                               | H0070004 | 27(1) | N | 2,1 |

|  |          |       |   |  |     |
|--|----------|-------|---|--|-----|
| H8. TENURE(2) [2]                                    |          |       |   |  |     |
| Universe: Occupied housing units                     |          |       |   |  |     |
| Owner occupied                                       | H0080001 | 9     | N |  | 1   |
| Renter occupied                                      | H0080002 | 9     | N |  | 2   |
| H9. RACE OF HOUSEHOLDER(5) [5]                       |          |       |   |  |     |
| Universe: Occupied housing units                     |          |       |   |  |     |
| White  | H0090001 | 9     | N |  | 1   |
| Black  | H0090002 | 9     | N |  | 2   |
| American Indian, Eskimo, or Aleut                    | H0090003 | 9     | N |  | 3   |
| Asian or Pacific Islander                            | H0090004 | 9     | N |  | 4   |
| Other race   | H0090005 | 9     | N |  | 5   |
| H10. TENURE  |          |       |   |  |     |
| (2) BY RACE OF HOUSEHOLDER(5) [10]                   |          |       |   |  |     |
| Universe: Occupied housing units                     |          |       |   |  |     |
| Owner occupied:                                      |          |       |   |  |     |
| White  | H0100001 | 9     | N |  | 1,1 |
| Black  | H0100002 | 9     | N |  | 1,2 |
| American Indian, Eskimo, or Aleut                    | H0100003 | 9     | N |  | 1,3 |
| Asian or Pacific Islander                            | H0100004 | 9     | N |  | 1,4 |
| Other race   | H0100005 | 9     | N |  | 1,5 |
| Renter occupied:                                     |          |       |   |  |     |
| (Repeat RACE OF HOUSEHOLDER)                         | H0100006 | 45(1) | N |  | 2,1 |
| H11. HISPANIC ORIGIN OF HOUSEHOLDER(2) BY RACE OF    |          |       |   |  |     |
| HOUSEHOLDER(5) [10]                                  |          |       |   |  |     |
| Universe: Occupied housing units                     |          |       |   |  |     |
| Not of Hispanic origin:                              |          |       |   |  |     |
| White  | H0110001 | 9     | N |  | 1,1 |
| Black  | H0110002 | 9     | N |  | 1,2 |
| American Indian, Eskimo, or Aleut                    | H0110003 | 9     | N |  | 1,3 |
| Asian or Pacific Islander                            | H0110004 | 9     | N |  | 1,4 |
| Other race   | H0110005 | 9     | N |  | 1,5 |
| Hispanic origin:                                     |          |       |   |  |     |
| (Repeat RACE OF HOUSEHOLDER)                         | H0110006 | 45(1) | N |  | 2,1 |
| H12. TENURE (2) BY RACE OF HOUSEHOLDER(5) [10]       |          |       |   |  |     |
| Universe: Occupied housing units with householder of |          |       |   |  |     |
| Hispanic origin                                      |          |       |   |  |     |
| Owner occupied:                                      |          |       |   |  |     |
| White  | H0120001 | 9     | N |  | 1,1 |
| Black  | H0120002 | 9     | N |  | 1,2 |
| American Indian, Eskimo, or Aleut                    | H0120003 | 9     | N |  | 1,3 |
| Asian or Pacific Islander                            | H0120004 | 9     | N |  | 1,4 |
| Other race   | H0120005 | 9     | N |  | 1,5 |
| Renter occupied:                                     |          |       |   |  |     |
| (Repeat RACE OF HOUSEHOLDER)                         | H0120006 | 45(1) | N |  | 2,1 |
| H13. TENURE (2) BY AGE OF HOUSEHOLDER(7) [14]        |          |       |   |  |     |
| Universe: Occupied housing units                     |          |       |   |  |     |
| Owner occupied:                                      |          |       |   |  |     |
| 15 to 24 years                                       | H0130001 | 9     | N |  | 1,1 |
| 25 to 34 years                                       | H0130002 | 9     | N |  | 1,2 |
| 35 to 44 years                                       | H0130003 | 9     | N |  | 1,3 |
| 45 to 54 years                                       | H0130004 | 9     | N |  | 1,4 |
| 55 to 64 years                                       | H0130005 | 9     | N |  | 1,5 |

|   |          |       |   |       |
|---|----------|-------|---|-------|
| 65 to 74 years  | H0130006 | 9     | N | 1,6   |
| 75 years and over   | H0130007 | 9     | N | 1,7   |
| Renter occupied:  |          |       |   |       |
| (Repeat AGE OF HOUSEHOLDER)   | H0130008 | 63(1) | N | 2,1   |
| H14. AGGREGATE PERSONS(1) BY TENURE(2) BY RACE OF HOUSEHOLDER(5) [10]           |          |       |   |       |
| Universe: Persons in occupied housing units                                     |          |       |   |       |
| Total:  |          |       |   |       |
| Owner occupied:   |          |       |   |       |
| White   | H0140001 | 9     | N | 1,1,1 |
| Black   | H0140002 | 9     | N | 1,1,2 |
| American Indian, Eskimo, or Aleut   | H0140003 | 9     | N | 1,1,3 |
| Asian or Pacific Islander   | H0140004 | 9     | N | 1,1,4 |
| Other race  | H0140005 | 9     | N | 1,1,5 |
| Renter occupied:  |          |       |   |       |
| (Repeat RACE OF HOUSEHOLDER)  | H0140006 | 45(1) | N | 1,2,1 |
| H15. AGGREGATE PERSONS(1) BY TENURE(2) [2]                                      |          |       |   |       |
| Universe: Persons in occupied housing units with householder of Hispanic origin |          |       |   |       |
| Total:  |          |       |   |       |
| Owner occupied  | H0150001 | 9     | N | 1,1   |
| Renter occupied   | H0150002 | 9     | N | 1,2   |
| H16. ROOMS(9) [9]   |          |       |   |       |
| Universe: Housing units   |          |       |   |       |
| 1 room  | H0160001 | 9     | N | 1     |
| 2 rooms   | H0160002 | 9     | N | 2     |
| 3 rooms   | H0160003 | 9     | N | 3     |
| 4 rooms   | H0160004 | 9     | N | 4     |
| 5 rooms   | H0160005 | 9     | N | 5     |
| 6 rooms   | H0160006 | 9     | N | 6     |
| 7 rooms   | H0160007 | 9     | N | 7     |
| 8 rooms   | H0160008 | 9     | N | 8     |
| 9 or more rooms   | H0160009 | 9     | N | 9     |
| H17. AGGREGATE ROOMS(1) [1]   |          |       |   |       |
| Universe: Housing units   |          |       |   |       |
| Total   | H0170001 | 9     | N | 1     |
| H18. TENURE   |          |       |   |       |
| (2) BY PERSONS IN UNIT(7) [14]  |          |       |   |       |
| Universe: Occupied housing units  |          |       |   |       |
| Owner occupied:   |          |       |   |       |
| 1 person  | H0180001 | 9     | N | 1,1   |
| 2 persons   | H0180002 | 9     | N | 1,2   |
| 3 persons   | H0180003 | 9     | N | 1,3   |
| 4 persons   | H0180004 | 9     | N | 1,4   |
| 5 persons   | H0180005 | 9     | N | 1,5   |
| 6 persons   | H0180006 | 9     | N | 1,6   |
| 7 or more persons   | H0180007 | 9     | N | 1,7   |
| Renter occupied:  |          |       |   |       |
| (Repeat PERSONS IN UNIT)  | H0180008 | 63(1) | N | 2,1   |
| H19. AGGREGATE PERSONS(1) BY TENURE(2) [2]                                      |          |       |   |       |
| Universe: Persons in occupied housing units                                     |          |       |   |       |

|  |          |       |   |  |      |
|--|----------|-------|---|--|------|
| Total:   |          |       |   |  |      |
| Owner occupied                                 | H0190001 | 9     | N |  | 1,1  |
| Renter occupied                                | H0190002 | 9     | N |  | 1,2  |
| H20. UNITS IN STRUCTURE(10) [10]               |          |       |   |  |      |
| Universe: Housing units                        |          |       |   |  |      |
| 1, detached                                    | H0200001 | 9     | N |  | 1    |
| 1, attached                                    | H0200002 | 9     | N |  | 2    |
| 2  | H0200003 | 9     | N |  | 3    |
| 3 or 4   | H0200004 | 9     | N |  | 4    |
| 5 to 9   | H0200005 | 9     | N |  | 5    |
| 10 to 19                                       | H0200006 | 9     | N |  | 6    |
| 20 to 49                                       | H0200007 | 9     | N |  | 7    |
| 50 or more                                     | H0200008 | 9     | N |  | 8    |
| Mobile home or trailer                         | H0200009 | 9     | N |  | 9    |
| Other  | H0200010 | 9     | N |  | 10   |
| H21. UNITS IN STRUCTURE(10) [10]               |          |       |   |  |      |
| Universe: Vacant housing units                 |          |       |   |  |      |
| 1, detached                                    | H0210001 | 9     | N |  | 1    |
| 1, attached                                    | H0210002 | 9     | N |  | 2    |
| 2  | H0210003 | 9     | N |  | 3    |
| 3 or 4   | H0210004 | 9     | N |  | 4    |
| 5 to 9   | H0210005 | 9     | N |  | 5    |
| 10 to 19                                       | H0210006 | 9     | N |  | 6    |
| 20 to 49                                       | H0210007 | 9     | N |  | 7    |
| 50 or more                                     | H0210008 | 9     | N |  | 8    |
| Mobile home or trailer                         | H0210009 | 9     | N |  | 9    |
| Other  | H0210010 | 9     | N |  | 10   |
| H22. TENURE (2) BY UNITS IN STRUCTURE(10) [20] |          |       |   |  |      |
| Universe: Occupied housing units               |          |       |   |  |      |
| Owner occupied:                                |          |       |   |  |      |
| 1, detached                                    | H0220001 | 9     | N |  | 1,1  |
| 1, attached                                    | H0220002 | 9     | N |  | 1,2  |
| 2  | H0220003 | 9     | N |  | 1,3  |
| 3 or 4   | H0220004 | 9     | N |  | 1,4  |
| 5 to 9   | H0220005 | 9     | N |  | 1,5  |
| 10 to 19                                       | H0220006 | 9     | N |  | 1,6  |
| 20 to 49                                       | H0220007 | 9     | N |  | 1,7  |
| 50 or more                                     | H0220008 | 9     | N |  | 1,8  |
| Mobile home or trailer                         | H0220009 | 9     | N |  | 1,9  |
| Other  | H0220010 | 9     | N |  | 1,10 |
| Renter occupied:                               |          |       |   |  |      |
| (Repeat UNITS IN STRUCTURE)                    | H0220011 | 90(1) | N |  | 2,1  |
| H23. SOURCE OF WATER(4) [4]                    |          |       |   |  |      |
| Universe: Housing units                        |          |       |   |  |      |
| Public system or private company               | H0230001 | 9     | N |  | 1    |
| Individual well:                               |          |       |   |  |      |
| Drilled  | H0230002 | 9     | N |  | 2    |
| Dug  | H0230003 | 9     | N |  | 3    |
| Some other source                              | H0230004 | 9     | N |  | 4    |
| H24. SEWAGE DISPOSAL(3) [3]                    |          |       |   |  |      |
| Universe: Housing units                        |          |       |   |  |      |
| Public sewer                                   | H0240001 | 9     | N |  | 1    |



|   |          |       |   |     |
|---|----------|-------|---|-----|
| Septic tank or cesspool                                     | H0240002 | 9     | N | 2   |
| Other means   | H0240003 | 9     | N | 3   |
| H25. YEAR STRUCTURE BUILT(8) [8]                            |          |       |   |     |
| Universe: Housing units                                     |          |       |   |     |
| 1989 to March 1990  | H0250001 | 9     | N | 1   |
| 1985 to 1988  | H0250002 | 9     | N | 2   |
| 1980 to 1984  | H0250003 | 9     | N | 3   |
| 1970 to 1979  | H0250004 | 9     | N | 4   |
| 1960 to 1969  | H0250005 | 9     | N | 5   |
| 1950 to 1959  | H0250006 | 9     | N | 6   |
| 1940 to 1949  | H0250007 | 9     | N | 7   |
| 1939 or earlier   | H0250008 | 9     | N | 8   |
| H25A. MEDIAN YEAR STRUCTURE BUILT(1) [1]                    |          |       |   |     |
| Universe: Housing units                                     |          |       |   |     |
| Median year structure built                                 | H025A001 | 9     | N | 1   |
| H26. YEAR STRUCTURE BUILT(8) [8]                            |          |       |   |     |
| Universe: Vacant housing units                              |          |       |   |     |
| 1989 to March 1990  | H0260001 | 9     | N | 1   |
| 1985 to 1988  | H0260002 | 9     | N | 2   |
| 1980 to 1984  | H0260003 | 9     | N | 3   |
| 1970 to 1979  | H0260004 | 9     | N | 4   |
| 1960 to 1969  | H0260005 | 9     | N | 5   |
| 1950 to 1959  | H0260006 | 9     | N | 6   |
| 1940 to 1949  | H0260007 | 9     | N | 7   |
| 1939 or earlier   | H0260008 | 9     | N | 8   |
| H27. TENURE (2) BY YEAR STRUCTURE BUILT(8) [16]             |          |       |   |     |
| Universe: Occupied housing units                            |          |       |   |     |
| Owner occupied:   |          |       |   |     |
| 1989 to March 1990  | H0270001 | 9     | N | 1,1 |
| 1985 to 1988  | H0270002 | 9     | N | 1,2 |
| 1980 to 1984  | H0270003 | 9     | N | 1,3 |
| 1970 to 1979  | H0270004 | 9     | N | 1,4 |
| 1960 to 1969  | H0270005 | 9     | N | 1,5 |
| 1950 to 1959  | H0270006 | 9     | N | 1,6 |
| 1940 to 1949  | H0270007 | 9     | N | 1,7 |
| 1939 or earlier   | H0270008 | 9     | N | 1,8 |
| Renter occupied:  |          |       |   |     |
| (Repeat YEAR STRUCTURE BUILT)                               | H0270009 | 72(1) | N | 2,1 |
| H28. YEAR HOUSEHOLDER MOVED INTO UNIT(6) [6]                |          |       |   |     |
| Universe: Occupied housing units                            |          |       |   |     |
| 1989 to March 1990  | H0280001 | 9     | N | 1   |
| 1985 to 1988  | H0280002 | 9     | N | 2   |
| 1980 to 1984  | H0280003 | 9     | N | 3   |
| 1970 to 1979  | H0280004 | 9     | N | 4   |
| 1960 to 1969  | H0280005 | 9     | N | 5   |
| 1959 or earlier   | H0280006 | 9     | N | 6   |
| H29. TENURE (2) BY YEAR HOUSEHOLDER MOVED INTO UNIT(6) [12] |          |       |   |     |
| Universe: Occupied housing units                            |          |       |   |     |
| Owner occupied:   |          |       |   |     |
| 1989 to March 1990  | H0290001 | 9     | N | 1,1 |
| 1985 to 1988  | H0290002 | 9     | N | 1,2 |

|   |          |       |   |     |
|---|----------|-------|---|-----|
| 1980 to 1984                                      | H0290003 | 9     | N | 1,3 |
| 1970 to 1979                                      | H0290004 | 9     | N | 1,4 |
| 1960 to 1969                                      | H0290005 | 9     | N | 1,5 |
| 1959 or earlier                                   | H0290006 | 9     | N | 1,6 |
| Renter occupied:                                  |          |       |   |     |
| (Repeat YEAR HOUSEHOLDER MOVED INTO UNIT)         | H0290007 | 54(1) | N | 2,1 |
| H30. HOUSE HEATING FUEL(9) [9]                    |          |       |   |     |
| Universe: Occupied housing units                  |          |       |   |     |
| Utility gas                                       | H0300001 | 9     | N | 1   |
| Bottled, tank, or LP gas                          | H0300002 | 9     | N | 2   |
| Electricity                                       | H0300003 | 9     | N | 3   |
| Fuel oil, kerosene, etc.                          | H0300004 | 9     | N | 4   |
| Coal or coke                                      | H0300005 | 9     | N | 5   |
| Wood  | H0300006 | 9     | N | 6   |
| Solar energy                                      | H0300007 | 9     | N | 7   |
| Other fuel  | H0300008 | 9     | N | 8   |
| No fuel used                                      | H0300009 | 9     | N | 9   |
| H31. BEDROOMS(6) [6]                              |          |       |   |     |
| Universe: Housing units                           |          |       |   |     |
| No bedroom  | H0310001 | 9     | N | 1   |
| 1 bedroom   | H0310002 | 9     | N | 2   |
| 2 bedrooms  | H0310003 | 9     | N | 3   |
| 3 bedrooms  | H0310004 | 9     | N | 4   |
| 4 bedrooms  | H0310005 | 9     | N | 5   |
| 5 or more bedrooms                                | H0310006 | 9     | N | 6   |
| H32. BEDROOMS(6) [6]                              |          |       |   |     |
| Universe: Vacant housing units                    |          |       |   |     |
| No bedroom  | H0320001 | 9     | N | 1   |
| 1 bedroom   | H0320002 | 9     | N | 2   |
| 2 bedrooms  | H0320003 | 9     | N | 3   |
| 3 bedrooms  | H0320004 | 9     | N | 4   |
| 4 bedrooms  | H0320005 | 9     | N | 5   |
| 5 or more bedrooms                                | H0320006 | 9     | N | 6   |
| H33. TENURE (2) BY BEDROOMS(6) [12]               |          |       |   |     |
| Universe: Occupied housing units                  |          |       |   |     |
| Owner occupied:                                   |          |       |   |     |
| No bedroom  | H0330001 | 9     | N | 1,1 |
| 1 bedroom   | H0330002 | 9     | N | 1,2 |
| 2 bedrooms  | H0330003 | 9     | N | 1,3 |
| 3 bedrooms  | H0330004 | 9     | N | 1,4 |
| 4 bedrooms  | H0330005 | 9     | N | 1,5 |
| 5 or more bedrooms                                | H0330006 | 9     | N | 1,6 |
| Renter occupied:                                  |          |       |   |     |
| (Repeat BEDROOMS)                                 | H0330007 | 54(1) | N | 2,1 |
| H34. BEDROOMS(4) BY GROSS RENT(7) [28]            |          |       |   |     |
| Universe: Specified renter occupied housing units |          |       |   |     |
| No bedroom:                                       |          |       |   |     |
| With cash rent:                                   |          |       |   |     |
| Less than \$200                                   | H0340001 | 9     | N | 1,1 |
| \$200 to \$299                                    | H0340002 | 9     | N | 1,2 |
| \$300 to \$499                                    | H0340003 | 9     | N | 1,3 |

|  |          |       |   |     |
|--|----------|-------|---|-----|
| \$500 to \$749   | H0340004 | 9     | N | 1,4 |
| \$750 to \$999   | H0340005 | 9     | N | 1,5 |
| \$1,000 or more  | H0340006 | 9     | N | 1,6 |
| No cash rent   | H0340007 | 9     | N | 1,7 |
| 1 bedroom:   |          |       |   |     |
| (Repeat GROSS RENT)  | H0340008 | 63(1) | N | 2,1 |
| 2 bedrooms:  |          |       |   |     |
| (Repeat GROSS RENT)  | H0340015 | 63(1) | N | 3,1 |
| 3 or more bedrooms:  |          |       |   |     |
| (Repeat GROSS RENT)  | H0340022 | 63(1) | N | 4,1 |
| H35. TENURE (2) BY TELEPHONE IN HOUSING UNIT(2) [4]            |          |       |   |     |
| Universe: Occupied housing units                               |          |       |   |     |
| Owner occupied:  |          |       |   |     |
| With telephone   | H0350001 | 9     | N | 1,1 |
| No telephone   | H0350002 | 9     | N | 1,2 |
| Renter occupied:   |          |       |   |     |
| (Repeat TELEPHONE IN HOUSING UNIT)                             | H0350003 | 18(1) | N | 2,1 |
| H36. AGE OF HOUSEHOLDER(4) BY TELEPHONE IN HOUSING UNIT(2) [8] |          |       |   |     |
| Universe: Occupied housing units                               |          |       |   |     |
| 15 to 59 years:  |          |       |   |     |
| With telephone   | H0360001 | 9     | N | 1,1 |
| No telephone   | H0360002 | 9     | N | 1,2 |
| 60 to 64 years:  |          |       |   |     |
| (Repeat TELEPHONE IN HOUSING UNIT)                             | H0360003 | 18(1) | N | 2,1 |
| 65 to 74 years:  |          |       |   |     |
| (Repeat TELEPHONE IN HOUSING UNIT)                             | H0360005 | 18(1) | N | 3,1 |
| 75 years and over:   |          |       |   |     |
| (Repeat TELEPHONE IN HOUSING UNIT)                             | H0360007 | 18(1) | N | 4,1 |
| H37. TENURE (2) BY VEHICLES AVAILABLE(6) [12]                  |          |       |   |     |
| Universe: Occupied housing units                               |          |       |   |     |
| Owner occupied:  |          |       |   |     |
| None   | H0370001 | 9     | N | 1,1 |
| 1  | H0370002 | 9     | N | 1,2 |
| 2  | H0370003 | 9     | N | 1,3 |
| 3  | H0370004 | 9     | N | 1,4 |
| 4  | H0370005 | 9     | N | 1,5 |
| 5 or more  | H0370006 | 9     | N | 1,6 |
| Renter occupied:   |          |       |   |     |
| (Repeat VEHICLES AVAILABLE)                                    | H0370007 | 54(1) | N | 2,1 |
| H38. AGGREGATE VEHICLES AVAILABLE(1) BY TENURE(2) [2]          |          |       |   |     |
| Universe: Occupied housing units                               |          |       |   |     |
| Total:   |          |       |   |     |
| Owner occupied   | H0380001 | 9     | N | 1,1 |
| Renter occupied  | H0380002 | 9     | N | 1,2 |
| H39. RACE OF HOUSEHOLDER(5) BY VEHICLES AVAILABLE(2) [10]      |          |       |   |     |
| Universe: Occupied housing units                               |          |       |   |     |
| White:   |          |       |   |     |
| None   | H0390001 | 9     | N | 1,1 |
| 1 or more  | H0390002 | 9     | N | 1,2 |
| Black:   |          |       |   |     |
| (Repeat VEHICLES AVAILABLE)                                    | H0390003 | 18(1) | N | 2,1 |
| American Indian, Eskimo, or Aleut:                             |          |       |   |     |

|  |          |       |   |     |
|--|----------|-------|---|-----|
| (Repeat VEHICLES AVAILABLE)  | H0390005 | 18(1) | N | 3,1 |
| Asian or Pacific Islander:   |          |       |   |     |
| (Repeat VEHICLES AVAILABLE)  | H0390007 | 18(1) | N | 4,1 |
| Other race:  |          |       |   |     |
| (Repeat VEHICLES AVAILABLE)  | H0390009 | 18(1) | N | 5,1 |
| H40. VEHICLES AVAILABLE(2) [2]                                       |          |       |   |     |
| Universe: Occupied housing units with householder of Hispanic origin |          |       |   |     |
| None   | H0400001 | 9     | N | 1   |
| 1 or more  | H0400002 | 9     | N | 2   |
| H41. AGE OF HOUSEHOLDER(2) BY VEHICLES AVAILABLE(2) [4]              |          |       |   |     |
| Universe: Occupied housing units                                     |          |       |   |     |
| 15 to 64 years:  |          |       |   |     |
| None   | H0410001 | 9     | N | 1,1 |
| 1 or more  | H0410002 | 9     | N | 1,2 |
| 65 years and over:   |          |       |   |     |
| (Repeat VEHICLES AVAILABLE)  | H0410003 | 18(1) | N | 2,1 |
| H42. KITCHEN FACILITIES(2) [2]                                       |          |       |   |     |
| Universe: Housing units  |          |       |   |     |
| Complete kitchen facilities  | H0420001 | 9     | N | 1   |
| Lacking complete kitchen facilities                                  | H0420002 | 9     | N | 2   |
| H43. GROSS RENT(17) [17]   |          |       |   |     |
| Universe: Specified renter occupied housing units                    |          |       |   |     |
| With cash rent:  |          |       |   |     |
| Less than \$100  | H0430001 | 9     | N | 1   |
| \$100 to \$149   | H0430002 | 9     | N | 2   |
| \$150 to \$199   | H0430003 | 9     | N | 3   |
| \$200 to \$249   | H0430004 | 9     | N | 4   |
| \$250 to \$299   | H0430005 | 9     | N | 5   |
| \$300 to \$349   | H0430006 | 9     | N | 6   |
| \$350 to \$399   | H0430007 | 9     | N | 7   |
| \$400 to \$449   | H0430008 | 9     | N | 8   |
| \$450 to \$499   | H0430009 | 9     | N | 9   |
| \$500 to \$549   | H0430010 | 9     | N | 10  |
| \$550 to \$599   | H0430011 | 9     | N | 11  |
| \$600 to \$649   | H0430012 | 9     | N | 12  |
| \$650 to \$699   | H0430013 | 9     | N | 13  |
| \$700 to \$749   | H0430014 | 9     | N | 14  |
| \$750 to \$999   | H0430015 | 9     | N | 15  |
| \$1,000 or more  | H0430016 | 9     | N | 16  |
| No cash rent   | H0430017 | 9     | N | 17  |
| H43A. MEDIAN GROSS RENT(1) [1]                                       |          |       |   |     |
| Universe: Specified renter occupied housing units paying cash rent   |          |       |   |     |
| Median gross rent  | H043A001 | 9     | N | 1   |
| H44. AGGREGATE GROSS RENT(1) [1]                                     |          |       |   |     |
| Universe: Specified renter occupied housing units paying cash rent   |          |       |   |     |
| Total  | H0440001 | 9     | N | 1   |

H45. RACE OF HOUSEHOLDER(5) BY GROSS RENT(7) [35]  
 Universe: Specified renter occupied housing units  
 White:

|                 |          |   |   |     |
|-----------------|----------|---|---|-----|
| With cash rent: |          |   |   |     |
| Less than \$200 | H0450001 | 9 | N | 1,1 |
| \$200 to \$299  | H0450002 | 9 | N | 1,2 |
| \$300 to \$499  | H0450003 | 9 | N | 1,3 |
| \$500 to \$749  | H0450004 | 9 | N | 1,4 |
| \$750 to \$999  | H0450005 | 9 | N | 1,5 |
| \$1,000 or more | H0450006 | 9 | N | 1,6 |
| No cash rent    | H0450007 | 9 | N | 1,7 |

Black:

|                     |          |       |   |     |
|---------------------|----------|-------|---|-----|
| (Repeat GROSS RENT) | H0450008 | 63(1) | N | 2,1 |
|---------------------|----------|-------|---|-----|

American Indian, Eskimo, or Aleut:

|                     |          |       |   |     |
|---------------------|----------|-------|---|-----|
| (Repeat GROSS RENT) | H0450015 | 63(1) | N | 3,1 |
|---------------------|----------|-------|---|-----|

Asian or Pacific Islander:

|                     |          |       |   |     |
|---------------------|----------|-------|---|-----|
| (Repeat GROSS RENT) | H0450022 | 63(1) | N | 4,1 |
|---------------------|----------|-------|---|-----|

Other race:

|                     |          |       |   |     |
|---------------------|----------|-------|---|-----|
| (Repeat GROSS RENT) | H0450029 | 63(1) | N | 5,1 |
|---------------------|----------|-------|---|-----|

H46. HISPANIC ORIGIN(2) BY GROSS RENT(7) [14]  
 Universe: Specified renter occupied housing units  
 Not of Hispanic origin:

|                 |          |   |   |     |
|-----------------|----------|---|---|-----|
| With cash rent: |          |   |   |     |
| Less than \$200 | H0460021 | 9 | N | 1,1 |
| \$200 to \$299  | H0460022 | 9 | N | 1,2 |
| \$300 to \$499  | H0460023 | 9 | N | 1,3 |
| \$500 to \$749  | H0460024 | 9 | N | 1,4 |
| \$750 to \$999  | H0460025 | 9 | N | 1,5 |
| \$1,000 or more | H0460026 | 9 | N | 1,6 |
| No cash rent    | H0460027 | 9 | N | 1,7 |

Hispanic origin:

|                     |          |       |   |     |
|---------------------|----------|-------|---|-----|
| (Repeat GROSS RENT) | H0460028 | 63(1) | N | 2,1 |
|---------------------|----------|-------|---|-----|

H47. MEALS INCLUDED IN RENT(2) [2]  
 Universe: Specified renter occupied housing units paying cash rent

|                           |          |   |   |   |
|---------------------------|----------|---|---|---|
| Meals included in rent    | H0470001 | 9 | N | 1 |
| No meals included in rent | H0470002 | 9 | N | 2 |

H48. AGGREGATE GROSS RENT(1) BY MEALS INCLUDED IN RENT(2) [2]  
 Universe: Specified renter occupied housing units paying cash rent

Total:

|                           |          |   |   |     |
|---------------------------|----------|---|---|-----|
| Meals included in rent    | H0480001 | 9 | N | 1,1 |
| No meals included in rent | H0480002 | 9 | N | 1,2 |

H49. INCLUSION OF UTILITIES IN RENT(2) [2]  
 Universe: Specified renter occupied housing units

|                                    |          |   |   |   |
|------------------------------------|----------|---|---|---|
| Pay extra for 1 or more utilities  | H0490001 | 9 | N | 1 |
| No extra payment for any utilities | H0490002 | 9 | N | 2 |

H50. HOUSEHOLD INCOME IN 1989(5) BY GROSS RENT AS A PERCENTAGE OF HOUSEHOLD INCOME IN 1989(6) [30]  
 Universe: Specified renter occupied housing units  
 Less than \$10,000:

|   |          |       |   |     |
|---|----------|-------|---|-----|
| Less than 20 percent  | H0500001 | 9     | N | 1,1 |
| 20 to 24 percent  | H0500002 | 9     | N | 1,2 |
| 25 to 29 percent  | H0500003 | 9     | N | 1,3 |
| 30 to 34 percent  | H0500004 | 9     | N | 1,4 |
| 35 percent or more  | H0500005 | 9     | N | 1,5 |
| Not computed  | H0500006 | 9     | N | 1,6 |
| \$10,000 to \$19,999:   |          |       |   |     |
| (Repeat GROSS RENT AS A PERCENTAGE OF<br>HOUSEHOLD INCOME IN 1989)                              | H0500007 | 54(1) | N | 2,1 |
| \$20,000 to \$34,999:   |          |       |   |     |
| (Repeat GROSS RENT AS A PERCENTAGE OF<br>HOUSEHOLD INCOME IN 1989)                              | H0500013 | 54(1) | N | 3,1 |
| \$35,000 to \$49,999:   |          |       |   |     |
| (Repeat GROSS RENT AS A PERCENTAGE OF<br>HOUSEHOLD INCOME IN 1989)                              | H0500019 | 54(1) | N | 4,1 |
| \$50,000 or more:   |          |       |   |     |
| (Repeat GROSS RENT AS A PERCENTAGE OF<br>HOUSEHOLD INCOME IN 1989)                              | H0500025 | 54(1) | N | 5,1 |
| H50A. MEDIAN GROSS RENT AS A PERCENTAGE OF HOUSEHOLD<br>INCOME IN 1989(1) [1]                   |          |       |   |     |
| 1 implied decimal(s)  |          |       |   |     |
| Universe: Specified renter occupied<br>housing units paying cash rent                           |          |       |   |     |
| Median gross rent as a percentage of<br>household income in 1989                                |          |       |   |     |
|   | H050A001 | 9     | N | 1   |
| H51. AGE OF HOUSEHOLDER(2) BY GROSS RENT AS A PERCENTAGE<br>OF HOUSEHOLD INCOME IN 1989(6) [12] |          |       |   |     |
| Universe: Specified renter occupied housing units   |          |       |   |     |
| 15 to 64 years:   |          |       |   |     |
| Less than 20 percent  | H0510001 | 9     | N | 1,1 |
| 20 to 24 percent  | H0510002 | 9     | N | 1,2 |
| 25 to 29 percent  | H0510003 | 9     | N | 1,3 |
| 30 to 34 percent  | H0510004 | 9     | N | 1,4 |
| 35 percent or more  | H0510005 | 9     | N | 1,5 |
| Not computed  | H0510006 | 9     | N | 1,6 |
| 65 years and over:  |          |       |   |     |
| (Repeat GROSS RENT AS A PERCENTAGE<br>OF HOUSEHOLD INCOME IN 1989)                              | H0510007 | 54(1) | N | 2,1 |
| H52. MORTGAGE STATUS AND SELECTED MONTHLY OWNER<br>COSTS(21) [21]                               |          |       |   |     |
| Universe: Specified owner occupied housing units  |          |       |   |     |
| With a mortgage:  |          |       |   |     |
| Less than \$200   | H0520001 | 9     | N | 1   |
| \$200 to \$299  | H0520002 | 9     | N | 2   |
| \$300 to \$399  | H0520003 | 9     | N | 3   |
| \$400 to \$499  | H0520004 | 9     | N | 4   |
| \$500 to \$599  | H0520005 | 9     | N | 5   |
| \$600 to \$699  | H0520006 | 9     | N | 6   |
| \$700 to \$799  | H0520007 | 9     | N | 7   |
| \$800 to \$899  | H0520008 | 9     | N | 8   |
| \$900 to \$999  | H0520009 | 9     | N | 9   |
| \$1,000 to \$1,249  | H0520010 | 9     | N | 10  |
| \$1,250 to \$1,499  | H0520011 | 9     | N | 11  |
| \$1,500 to \$1,999  | H0520012 | 9     | N | 12  |

|  |          |       |   |      |
|--|----------|-------|---|------|
| \$2,000 or more  | H0520013 | 9     | N | 13   |
| Not mortgaged:   |          |       |   |      |
| Less than \$100  | H0520014 | 9     | N | 14   |
| \$100 to \$149   | H0520015 | 9     | N | 15   |
| \$150 to \$199   | H0520016 | 9     | N | 16   |
| \$200 to \$249   | H0520017 | 9     | N | 17   |
| \$250 to \$299   | H0520018 | 9     | N | 18   |
| \$300 to \$349   | H0520019 | 9     | N | 19   |
| \$350 to \$399   | H0520020 | 9     | N | 20   |
| \$400 or more  | H0520021 | 9     | N | 21   |
| H52A. MEDIAN SELECTED MONTHLY OWNER COSTS AND MORTGAGE STATUS(2) [2]                     |          |       |   |      |
| Universe: Specified owner occupied housing units   |          |       |   |      |
| With a mortgage  | H052A001 | 9     | N | 1    |
| Not mortgaged  | H052A002 | 9     | N | 2    |
| H53. AGGREGATE SELECTED MONTHLY OWNER COSTS(1) BY MORTGAGE STATUS(2) [2]                 |          |       |   |      |
| Universe: Specified owner occupied housing units   |          |       |   |      |
| Total:   |          |       |   |      |
| With a mortgage  | H0530001 | 9     | N | 1,1  |
| Not mortgaged  | H0530002 | 9     | N | 1,2  |
| H54. RACE OF HOUSEHOLDER(5) BY MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS(11) [55] |          |       |   |      |
| Universe: Specified owner occupied housing units   |          |       |   |      |
| White:   |          |       |   |      |
| With a mortgage:   |          |       |   |      |
| Less than \$300  | H0540001 | 9     | N | 1,1  |
| \$300 to \$499   | H0540002 | 9     | N | 1,2  |
| \$500 to \$699   | H0540003 | 9     | N | 1,3  |
| \$700 to \$999   | H0540004 | 9     | N | 1,4  |
| \$1,000 to \$1,499   | H0540005 | 9     | N | 1,5  |
| \$1,500 or more  | H0540006 | 9     | N | 1,6  |
| Not mortgaged:   |          |       |   |      |
| Less than \$100  | H0540007 | 9     | N | 1,7  |
| \$100 to \$199   | H0540008 | 9     | N | 1,8  |
| \$200 to \$299   | H0540009 | 9     | N | 1,9  |
| \$300 to \$399   | H0540010 | 9     | N | 1,10 |
| \$400 or more  | H0540011 | 9     | N | 1,11 |
| Black:   |          |       |   |      |
| (Repeat MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS)                                | H0540012 | 99(1) | N | 2,1  |
| American Indian, Eskimo, or Aleut:   |          |       |   |      |
| (Repeat MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS)                                | H0540023 | 99(1) | N | 3,1  |
| Asian or Pacific Islander:   |          |       |   |      |
| (Repeat MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS)                                | H0540034 | 99(1) | N | 4,1  |
| Other race:  |          |       |   |      |
| (Repeat MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS)                                | H0540045 | 99(1) | N | 5,1  |
| H55. MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS(11) [11]                           |          |       |   |      |

Universe: Specified owner occupied housing units with  
householder of Hispanic origin

With a mortgage:

|                    |          |   |   |   |
|--------------------|----------|---|---|---|
| Less than \$300    | H0550001 | 9 | N | 1 |
| \$300 to \$499     | H0550002 | 9 | N | 2 |
| \$500 to \$699     | H0550003 | 9 | N | 3 |
| \$700 to \$999     | H0550004 | 9 | N | 4 |
| \$1,000 to \$1,499 | H0550005 | 9 | N | 5 |
| \$1,500 or more    | H0550006 | 9 | N | 6 |

Not mortgaged:

|                 |          |   |   |    |
|-----------------|----------|---|---|----|
| Less than \$100 | H0550007 | 9 | N | 7  |
| \$100 to \$199  | H0550008 | 9 | N | 8  |
| \$200 to \$299  | H0550009 | 9 | N | 9  |
| \$300 to \$399  | H0550010 | 9 | N | 10 |
| \$400 or more   | H0550011 | 9 | N | 11 |

H56. AGGREGATE SELECTED MONTHLY OWNER COSTS(1) BY  
MORTGAGE STATUS(2) [2]

Universe: Owner occupied mobile homes or trailers

Total:

|                 |          |   |   |     |
|-----------------|----------|---|---|-----|
| With a mortgage | H0560001 | 9 | N | 1,1 |
| Not mortgaged   | H0560002 | 9 | N | 1,2 |

H57. AGGREGATE SELECTED MONTHLY OWNER COSTS(1) BY  
MORTGAGE STATUS(2) [2]

Universe: Owner occupied condominium housing units

Total:

|                 |          |   |   |     |
|-----------------|----------|---|---|-----|
| With a mortgage | H0570001 | 9 | N | 1,1 |
| Not mortgaged   | H0570002 | 9 | N | 1,2 |

H58. MORTGAGE STATUS(2) BY SELECTED MONTHLY OWNER  
COSTS AS A PERCENTAGE OF HOUSEHOLD INCOME IN  
1989(6) [12]

Universe: Specified owner occupied housing units

With a mortgage:

|                      |          |   |   |     |
|----------------------|----------|---|---|-----|
| Less than 20 percent | H0580001 | 9 | N | 1,1 |
| 20 to 24 percent     | H0580002 | 9 | N | 1,2 |
| 25 to 29 percent     | H0580003 | 9 | N | 1,3 |
| 30 to 34 percent     | H0580004 | 9 | N | 1,4 |
| 35 percent or more   | H0580005 | 9 | N | 1,5 |
| Not computed         | H0580006 | 9 | N | 1,6 |

Not mortgaged:

|   |          |       |   |     |
|---|----------|-------|---|-----|
| (Repeat SELECTED MONTHLY OWNER<br>COSTS AS A PERCENTAGE OF HOUSEHOLD<br>INCOME IN 1989) | H0580007 | 54(1) | N | 2,1 |
|---|----------|-------|---|-----|

H58A. MEDIAN SELECTED MONTHLY OWNER COSTS AS A  
PERCENTAGE OF HOUSEHOLD INCOME IN 1989 AND  
MORTGAGE STATUS(2) [2]

1 implied decimal(s)

Universe: Specified owner occupied housing units

|                 |          |   |   |   |
|-----------------|----------|---|---|---|
| With a mortgage | H058A001 | 9 | N | 1 |
| Not mortgaged   | H058A002 | 9 | N | 2 |

H59. HOUSEHOLD INCOME IN 1989(5) BY SELECTED MONTHLY  
OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD  
INCOME IN 1989(6) [30]



Universe: Specified owner occupied housing units

Less than \$10,000:

|                      |          |   |   |     |
|----------------------|----------|---|---|-----|
| Less than 20 percent | H0590001 | 9 | N | 1,1 |
| 20 to 24 percent     | H0590002 | 9 | N | 1,2 |
| 25 to 29 percent     | H0590003 | 9 | N | 1,3 |
| 30 to 34 percent     | H0590004 | 9 | N | 1,4 |
| 35 percent or more   | H0590005 | 9 | N | 1,5 |
| Not computed         | H0590006 | 9 | N | 1,6 |

\$10,000 to \$19,999:

(Repeat SELECTED MONTHLY OWNER COSTS  
AS A PERCENTAGE OF HOUSEHOLD INCOME  
IN 1989)

|          |       |   |     |
|----------|-------|---|-----|
| H0590007 | 54(1) | N | 2,1 |
|----------|-------|---|-----|

\$20,000 to \$34,999:

(Repeat SELECTED MONTHLY OWNER COSTS  
AS A PERCENTAGE OF HOUSEHOLD INCOME  
IN 1989)

|          |       |   |     |
|----------|-------|---|-----|
| H0590013 | 54(1) | N | 3,1 |
|----------|-------|---|-----|

\$35,000 to \$49,999:

(Repeat SELECTED MONTHLY OWNER COSTS  
AS A PERCENTAGE OF HOUSEHOLD INCOME  
IN 1989)

|          |       |   |     |
|----------|-------|---|-----|
| H0590019 | 54(1) | N | 4,1 |
|----------|-------|---|-----|

\$50,000 or more:

(Repeat SELECTED MONTHLY OWNER COSTS  
AS A PERCENTAGE OF HOUSEHOLD INCOME  
IN 1989)

|          |       |   |     |
|----------|-------|---|-----|
| H0590025 | 54(1) | N | 5,1 |
|----------|-------|---|-----|

H60. AGE OF HOUSEHOLDER(2) BY SELECTED MONTHLY  
OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD  
INCOME IN 1989(6) [12]

Universe: Specified owner occupied housing units

15 to 64 years:

|                      |          |   |   |     |
|----------------------|----------|---|---|-----|
| Less than 20 percent | H0600001 | 9 | N | 1,1 |
| 20 to 24 percent     | H0600002 | 9 | N | 1,2 |
| 25 to 29 percent     | H0600003 | 9 | N | 1,3 |
| 30 to 34 percent     | H0600004 | 9 | N | 1,4 |
| 35 percent or more   | H0600005 | 9 | N | 1,5 |
| Not computed         | H0600006 | 9 | N | 1,6 |

65 years and over:

(Repeat SELECTED MONTHLY OWNER COSTS  
AS A PERCENTAGE OF HOUSEHOLD INCOME  
IN 1989)

|          |       |   |     |
|----------|-------|---|-----|
| H0600007 | 54(1) | N | 2,1 |
|----------|-------|---|-----|

H61. VALUE(20) [20]

Universe: Specified owner occupied  
housing units

|                        |          |   |   |    |
|------------------------|----------|---|---|----|
| Less than \$15,000     | H0610001 | 9 | N | 1  |
| \$15,000 to \$19,999   | H0610002 | 9 | N | 2  |
| \$20,000 to \$24,999   | H0610003 | 9 | N | 3  |
| \$25,000 to \$29,999   | H0610004 | 9 | N | 4  |
| \$30,000 to \$34,999   | H0610005 | 9 | N | 5  |
| \$35,000 to \$39,999   | H0610006 | 9 | N | 6  |
| \$40,000 to \$44,999   | H0610007 | 9 | N | 7  |
| \$45,000 to \$49,999   | H0610008 | 9 | N | 8  |
| \$50,000 to \$59,999   | H0610009 | 9 | N | 9  |
| \$60,000 to \$74,999   | H0610010 | 9 | N | 10 |
| \$75,000 to \$99,999   | H0610011 | 9 | N | 11 |
| \$100,000 to \$124,999 | H0610012 | 9 | N | 12 |
| \$125,000 to \$149,999 | H0610013 | 9 | N | 13 |

|  |          |       |   |     |
|--|----------|-------|---|-----|
| \$150,000 to \$174,999   | H0610014 | 9     | N | 14  |
| \$175,000 to \$199,999   | H0610015 | 9     | N | 15  |
| \$200,000 to \$249,999   | H0610016 | 9     | N | 16  |
| \$250,000 to \$299,999   | H0610017 | 9     | N | 17  |
| \$300,000 to \$399,999   | H0610018 | 9     | N | 18  |
| \$400,000 to \$499,999   | H0610019 | 9     | N | 19  |
| \$500,000 or more  | H0610020 | 9     | N | 20  |
| H61A. MEDIAN VALUE(1) [1]  |          |       |   |     |
| Universe: Specified owner occupied housing units                                   |          |       |   |     |
| Median value   | H061A001 | 9     | N | 1   |
| H62. AGGREGATE VALUE(1) BY MORTGAGE STATUS(2) [2]                                  |          |       |   |     |
| Universe: Specified owner occupied housing units                                   |          |       |   |     |
| Total:   |          |       |   |     |
| With a mortgage  | H0620001 | 9     | N | 1,1 |
| Not mortgaged  | H0620002 | 9     | N | 1,2 |
| H63. AGGREGATE HOUSEHOLD INCOME IN 1989(1) BY TENURE<br>AND MORTGAGE STATUS(3) [3] |          |       |   |     |
| Universe: Occupied housing units   |          |       |   |     |
| Total:   |          |       |   |     |
| Owner occupied:  |          |       |   |     |
| With a mortgage  | H0630001 | 9     | N | 1,1 |
| Not mortgaged  | H0630002 | 9     | N | 1,2 |
| Renter occupied  | H0630003 | 9     | N | 1,3 |
| H64. PLUMBING FACILITIES(2) [2]  |          |       |   |     |
| Universe: Housing units  |          |       |   |     |
| Complete plumbing facilities   | H0640001 | 9     | N | 1   |
| Lacking complete plumbing facilities   | H0640002 | 9     | N | 2   |
| H65. PLUMBING FACILITIES(2) [2]  |          |       |   |     |
| Universe: Vacant housing units   |          |       |   |     |
| Complete plumbing facilities   | H0650001 | 9     | N | 1   |
| Lacking complete plumbing facilities   | H0650002 | 9     | N | 2   |
| H66. RACE OF HOUSEHOLDER(5) BY PLUMBING FACILITIES(2) [10]                         |          |       |   |     |
| Universe: Occupied housing units   |          |       |   |     |
| White:   |          |       |   |     |
| Complete plumbing facilities   | H0660001 | 9     | N | 1,1 |
| Lacking complete plumbing facilities   | H0660002 | 9     | N | 1,2 |
| Black:   |          |       |   |     |
| (Repeat PLUMBING FACILITIES)   | H0660003 | 18(1) | N | 2,1 |
| Asian or Pacific Islander:   |          |       |   |     |
| (Repeat PLUMBING FACILITIES)   | H0660005 | 18(1) | N | 4,1 |
| American Indian, Eskimo, or Aleut:   |          |       |   |     |
| (Repeat PLUMBING FACILITIES)   | H0660007 | 18(1) | N | 3,1 |
| Other race:  |          |       |   |     |
| (Repeat PLUMBING FACILITIES)   | H0660009 | 18(1) | N | 5,1 |
| H67. PLUMBING FACILITIES(2) [2]  |          |       |   |     |
| Universe: Occupied housing units with householder<br>of Hispanic origin            |          |       |   |     |
| Complete plumbing facilities   | H0670001 | 9     | N | 1   |
| Lacking complete plumbing facilities   | H0670002 | 9     | N | 2   |

H68. AGE OF HOUSEHOLDER(2) BY PLUMBING FACILITIES(2) [4]  
 Universe: Occupied housing units  
 15 to 64 years:  
   Complete plumbing facilities           H0680001     9     N     1,1  
   Lacking complete plumbing facilities H0680002     9     N     1,2  
 65 years and over:  
   (Repeat PLUMBING FACILITIES)        H0680003    181   N     2,1

H69. TENURE (2) BY PLUMBING FACILITIES(2) BY PERSONS  
 PER ROOM(3) [12]  
 Universe: Occupied housing units  
 Owner occupied:  
   Complete plumbing facilities:  
     1.00 or less                       H0690001     9     N     1,1,1  
     1.01 to 1.50                       H0690002     9     N     1,1,2  
     1.51 or more                       H0690003     9     N     1,1,3  
   Lacking complete plumbing facilities:  
     (Repeat PERSONS PER ROOM)         H0690004    27(1)   N     1,2,1  
 Renter occupied:  
   (Repeat PLUMBING FACILITIES BY PERSONS  
   PER ROOM)                            H0690007    54(1)   N     2,1,1

H70. PLUMBING FACILITIES(2) BY UNITS IN STRUCTURE(10) [20]  
 Universe: Housing units  
 Complete plumbing facilities:  
   1, detached                         H0700001     9     N     1,1  
   1, attached                         H0700002     9     N     1,2  
   2                                    H0700003     9     N     1,3  
   3 or 4                               H0700004     9     N     1,4  
   5 to 9                               H0700005     9     N     1,5  
   10 to 19                             H0700006     9     N     1,6  
   20 to 49                             H0700007     9     N     1,7  
   50 or more                          H0700008     9     N     1,8  
   Mobile home or trailer             H0700009     9     N     1,9  
   Other                                H0700010     9     N     1,10  
 Lacking complete plumbing facilities:  
   (Repeat UNITS IN STRUCTURE)         H0700011    90(1)   N     2,1

H71. PLUMBING FACILITIES(2) BY PERSONS PER ROOM(2)  
 BY YEAR STRUCTURE BUILT(2) [8]  
 Universe: Occupied housing units  
 Complete plumbing facilities:  
   1.00 or less:  
     1940 to March 1990               H0710001     9     N     1,1,1  
     1939 or earlier                   H0710002     9     N     1,1,2  
   1.01 or more:  
     (Repeat YEAR STRUCTURE BUILT)     H0710003    18(1)   N     1,2,1  
 Lacking complete plumbing facilities:  
   (Repeat PERSONS PER ROOM By YEAR STRUCTURE  
   BUILT)                               H0710005    36(1)   N     2,1,1

H72. IMPUTATION OF HOUSING ITEMS(2) [2]  
 Universe: Housing units  
 No items allocated                    H0720001     9     N     1  
 One or more items allocated         H0720002     9     N     2

|   |          |   |   |   |  |
|---|----------|---|---|---|--|
| H73. IMPUTATION OF CONDOMINIUM STATUS(2) [2]                  |          |   |   |   |  |
| Universe: Housing units                                       |          |   |   |   |  |
| Allocated   | H0730001 | 9 | N | 1 |  |
| Not allocated   | H0730002 | 9 | N | 2 |  |
| H74. IMPUTATION OF PLUMBING FACILITIES(2) [2]                 |          |   |   |   |  |
| Universe: Housing units                                       |          |   |   |   |  |
| Allocated   | H0740001 | 9 | N | 1 |  |
| Not allocated   | H0740002 | 9 | N | 2 |  |
| H75. IMPUTATION OF SOURCE OF WATER(2) [2]                     |          |   |   |   |  |
| Universe: Housing units                                       |          |   |   |   |  |
| Allocated   | H0750001 | 9 | N | 1 |  |
| Not allocated   | H0750002 | 9 | N | 2 |  |
| H76. IMPUTATION OF SEWAGE DISPOSAL(2) [2]                     |          |   |   |   |  |
| Universe: Housing units                                       |          |   |   |   |  |
| Allocated   | H0760001 | 9 | N | 1 |  |
| Not allocated   | H0760002 | 9 | N | 2 |  |
| H77. IMPUTATION OF YEAR STRUCTURE BUILT(2) [2]                |          |   |   |   |  |
| Universe: Housing units                                       |          |   |   |   |  |
| Allocated   | H0770001 | 9 | N | 1 |  |
| Not allocated   | H0770002 | 9 | N | 2 |  |
| H78. IMPUTATION OF YEAR HOUSEHOLDER MOVED INTO<br>UNIT(2) [2] |          |   |   |   |  |
| Universe: Occupied housing units                              |          |   |   |   |  |
| Allocated   | H0780001 | 9 | N | 1 |  |
| Not allocated   | H0780002 | 9 | N | 2 |  |
| H79. IMPUTATION OF HOUSE HEATING FUEL(2) [2]                  |          |   |   |   |  |
| Universe: Occupied housing units                              |          |   |   |   |  |
| Allocated   | H0790001 | 9 | N | 1 |  |
| Not allocated   | H0790002 | 9 | N | 2 |  |
| H80. IMPUTATION OF KITCHEN FACILITIES(2) [2]                  |          |   |   |   |  |
| Universe: Housing units                                       |          |   |   |   |  |
| Allocated   | H0800001 | 9 | N | 1 |  |
| Not allocated   | H0800002 | 9 | N | 2 |  |
| H81. IMPUTATION OF BEDROOMS(2) [2]                            |          |   |   |   |  |
| Universe: Housing units                                       |          |   |   |   |  |
| Allocated   | H0810001 | 9 | N | 1 |  |
| Not allocated   | H0810002 | 9 | N | 2 |  |
| H82. IMPUTATION OF TELEPHONE IN HOUSING UNIT(2) [2]           |          |   |   |   |  |
| Universe: Occupied housing units                              |          |   |   |   |  |
| Allocated   | H0820001 | 9 | N | 1 |  |
| Not allocated   | H0820002 | 9 | N | 2 |  |
| H83. IMPUTATION OF VEHICLES AVAILABLE(2) [2]                  |          |   |   |   |  |
| Universe: Occupied housing units                              |          |   |   |   |  |
| Allocated   | H0830001 | 9 | N | 1 |  |
| Not allocated   | H0830002 | 9 | N | 2 |  |

|  |          |   |   |  |   |
|--|----------|---|---|--|---|
| H84. IMPUTATION OF MORTGAGE STATUS(2) [2]                                  |          |   |   |  |   |
| Universe: Specified owner occupied housing units                           |          |   |   |  |   |
| Allocated  | H0840001 | 9 | N |  | 1 |
| Not allocated  | H0840002 | 9 | N |  | 2 |
| H85. IMPUTATION OF TENURE(2) [2]   |          |   |   |  |   |
| Universe: Occupied housing units   |          |   |   |  |   |
| Allocated  | H0850001 | 9 | N |  | 1 |
| Not allocated  | H0850002 | 9 | N |  | 2 |
| H86. IMPUTATION OF VACANCY STATUS(2) [2]                                   |          |   |   |  |   |
| Universe: Vacant housing units   |          |   |   |  |   |
| Allocated  | H0860001 | 9 | N |  | 1 |
| Not allocated  | H0860002 | 9 | N |  | 2 |
| H87. IMPUTATION OF ROOMS(2) [2]  |          |   |   |  |   |
| Universe: Housing units  |          |   |   |  |   |
| Allocated  | H0870001 | 9 | N |  | 1 |
| Not allocated  | H0870002 | 9 | N |  | 2 |
| H88. IMPUTATION OF UNITS IN STRUCTURE(2) [2]                               |          |   |   |  |   |
| Universe: Housing units  |          |   |   |  |   |
| Allocated  | H0880001 | 9 | N |  | 1 |
| Not allocated  | H0880002 | 9 | N |  | 2 |
| H89. IMPUTATION OF VALUE(2) [2]  |          |   |   |  |   |
| Universe: Specified owner occupied housing units                           |          |   |   |  |   |
| Allocated  | H0890001 | 9 | N |  | 1 |
| Not allocated  | H0890002 | 9 | N |  | 2 |
| H90. IMPUTATION OF MEALS INCLUDED IN RENT(2) [2]                           |          |   |   |  |   |
| Universe: Specified renter occupied housing units paying cash rent         |          |   |   |  |   |
| Allocated  | H0900001 | 9 | N |  | 1 |
| Not allocated  | H0900002 | 9 | N |  | 2 |
| H91. IMPUTATION OF GROSS RENT(2) [2]                                       |          |   |   |  |   |
| Universe: Specified renter occupied housing units                          |          |   |   |  |   |
| Allocated  | H0910001 | 9 | N |  | 1 |
| Not allocated  | H0910002 | 9 | N |  | 2 |
| H92. IMPUTATION OF MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS(4) [4] |          |   |   |  |   |
| Universe: Specified owner occupied housing units                           |          |   |   |  |   |
| With a mortgage:   |          |   |   |  |   |
| Allocated  | H0920001 | 9 | N |  | 1 |
| Not allocated  | H0920002 | 9 | N |  | 2 |
| Not mortgaged:   |          |   |   |  |   |
| Allocated  | H0920003 | 9 | N |  | 3 |
| Not allocated  | H0920004 | 9 | N |  | 4 |

End of Record

(1)This field size includes all fields in the repeat within the table.

(2)Repeat refers to items in previous table.

TABLE (MATRIX) OUTLINES

| Table<br>(matrix) | Title   | Total number<br>of data cells |
|-------------------|---|-------------------------------|
| P1.               | PERSONS(1)<br>Universe: Persons<br>Total  | 1                             |
| P2.               | UNWEIGHTED SAMPLE COUNT OF PERSONS(1)<br>Universe: Persons<br>Total   | 1                             |
| P3.               | 100-PERCENT COUNT OF PERSONS(1)<br>Universe: Persons<br>Total   | 1                             |
| P3A.              | PERCENT OF PERSONS IN SAMPLE(1)<br>Universe: Persons<br>Total   | 1                             |
| P4.               | FAMILIES(1)<br>Universe: Families<br>Total  | 1                             |
| P5.               | HOUSEHOLDS(1)<br>Universe: Households<br>Total  | 1                             |
| P6.               | URBAN AND RURAL(4)<br>Universe: Persons<br>Urban:<br>Inside urbanized area<br>Outside urbanized area<br>Rural:<br>Farm<br>Nonfarm   | 4                             |
| P7.               | SEX(2)<br>Universe: Persons<br>Male<br>Female   | 2                             |
| P8.               | RACE(5)<br>Universe: Persons<br>White<br>Black<br>American Indian, Eskimo, or Aleut<br>Asian or Pacific Islander<br>Other race  | 5                             |
| P9.               | RACE(25)<br>Universe: Persons<br>White (800-869, 971)<br>Black (870-934, 972)<br>American Indian, Eskimo, or Aleut (000-599, 935-970, 973-975):<br>American Indian (000-599, 973)<br>Eskimo (935-940, 974)<br>Aleut (941-970, 975)<br>Asian or Pacific Islander (600-699, 976-985):<br>Asian (600-652, 976, 977, 979-982, 985):<br>Chinese (605-607, 976)<br>Filipino (608, 977)<br>Japanese (611, 981)<br>Asian Indian (600, 982)<br>Korean (612, 979) | 25                            |

Vietnamese (619, 980)  
 Cambodian (604)  
 Hmong (609)  
 Laotian (613)  
 Thai (618)  
 Other Asian (601-603, 610, 614-617, 620-652, 985)  
 Pacific Islander (653-699, 978, 983, 984):  
   Polynesian (653-659, 978, 983):  
     Hawaiian (653, 654, 978)  
     Samoan (655, 983)  
     Tongan (657)  
     Other Polynesian (656, 658, 659)  
   Micronesian (660-675, 984):  
     Guamanian (660, 984)  
     Other Micronesian (661-675)  
   Melanesian (676-680)  
   Pacific Islander, not specified (681-699)  
 Other race (700-799, 986-999)

P10. PERSONS OF HISPANIC ORIGIN(1) 1  
 Universe: Persons of Hispanic origin  
 Total

P11. HISPANIC ORIGIN(16) 16  
 Universe: Persons  
 Not of Hispanic origin (000-001, 006-199)  
 Hispanic origin (002-005, 200-999):  
   Mexican (002, 210-220)  
   Puerto Rican (003, 261-270)  
   Cuban (004, 271-274)  
   Other Hispanic (005, 200-209, 221-260, 275-999):  
     Dominican (Dominican Republic) (275-289)  
     Central American (221-230):  
       Guatemalan (222)  
       Honduran (223)  
       Nicaraguan (224)  
       Panamanian (225)  
       Salvadoran (226)  
       Other Central American (221, 227-230)  
     South American (231-249):  
       Colombian (234)  
       Ecuadorian (235)  
       Peruvian (237)  
       Other South American (231-233, 236, 238-249)  
     Other Hispanic (005, 200-209, 250-260, 290-999)

P12. HISPANIC ORIGIN(2) BY RACE(5) 10  
 Universe: Persons  
 Not of Hispanic origin:  
   White  
   Black  
   American Indian, Eskimo, or Aleut  
   Asian or Pacific Islander  
   Other race  
 Hispanic origin:  
   (Repeat RACE)

P13. AGE(31) 31  
 Universe: Persons  
 Under 1 year  
 1 and 2 years

3 and 4 years  
5 years  
6 years  
7 to 9 years  
10 and 11 years  
12 and 13 years  
14 years  
15 years  
16 years  
17 years  
18 years  
19 years  
20 years  
21 years  
22 to 24 years  
25 to 29 years  
30 to 34 years  
35 to 39 years  
40 to 44 years  
45 to 49 years  
50 to 54 years  
55 to 59 years  
60 and 61 years  
62 to 64 years  
65 to 69 years  
70 to 74 years  
75 to 79 years  
80 to 84 years  
85 years and over

P14A. RACE(1) BY SEX(1) BY AGE(31)

31

Universe: White males

White:

Male:

Under 1 year  
1 and 2 years  
3 and 4 years  
5 years  
6 years  
7 to 9 years  
10 and 11 years  
12 and 13 years  
14 years  
15 years  
16 years  
17 years  
18 years  
19 years  
20 years  
21 years  
22 to 24 years  
25 to 29 years  
30 to 34 years  
35 to 39 years  
40 to 44 years  
45 to 49 years  
50 to 54 years  
55 to 59 years



60 and 61 years  
62 to 64 years  
65 to 69 years  
70 to 74 years  
75 to 79 years  
80 to 84 years  
85 years and over

P14B. RACE(1) BY SEX(1) BY AGE(31)

31

Universe: White females

White:

Female:

Under 1 year  
1 and 2 years  
3 and 4 years  
5 years  
6 years  
7 to 9 years  
10 and 11 years  
12 and 13 years  
14 years  
15 years  
16 years  
17 years  
18 years  
19 years  
20 years  
21 years  
22 to 24 years  
25 to 29 years  
30 to 34 years  
35 to 39 years  
40 to 44 years  
45 to 49 years  
50 to 54 years  
55 to 59 years  
60 and 61 years  
62 to 64 years  
65 to 69 years  
70 to 74 years  
75 to 79 years  
80 to 84 years  
85 years and over

P14C. RACE(1) BY SEX(1) BY AGE(31)

31

Universe: Black males

Black:

Male:

Under 1 year  
1 and 2 years  
3 and 4 years  
5 years  
6 years  
7 to 9 years  
10 and 11 years  
12 and 13 years  
14 years  
15 years  
16 years

17 years  
18 years  
19 years  
20 years  
21 years  
22 to 24 years  
25 to 29 years  
30 to 34 years  
35 to 39 years  
40 to 44 years  
45 to 49 years  
50 to 54 years  
55 to 59 years  
60 and 61 years  
62 to 64 years  
65 to 69 years  
70 to 74 years  
75 to 79 years  
80 to 84 years  
85 years and over

P14D. RACE(1) BY SEX(1) BY AGE(31)

31

Universe: Black females

Black:

Female:

Under 1 year  
1 and 2 years  
3 and 4 years  
5 years  
6 years  
7 to 9 years  
10 and 11 years  
12 and 13 years  
14 years  
15 years  
16 years  
17 years  
18 years  
19 years  
20 years  
21 years  
22 to 24 years  
25 to 29 years  
30 to 34 years  
35 to 39 years  
40 to 44 years  
45 to 49 years  
50 to 54 years  
55 to 59 years  
60 and 61 years  
62 to 64 years  
65 to 69 years  
70 to 74 years  
75 to 79 years  
80 to 84 years  
85 years and over

P14E. RACE(1) BY SEX(1) BY AGE(31)

31

Universe: American Indian, Eskimo, or Aleut males

American Indian, Eskimo, or Aleut:

Male:

Under 1 year  
1 and 2 years  
3 and 4 years  
5 years  
6 years  
7 to 9 years  
10 and 11 years  
12 and 13 years  
14 years  
15 years  
16 years  
17 years  
18 years  
19 years  
20 years  
21 years  
22 to 24 years  
25 to 29 years  
30 to 34 years  
35 to 39 years  
40 to 44 years  
45 to 49 years  
50 to 54 years  
55 to 59 years  
60 and 61 years  
62 to 64 years  
65 to 69 years  
70 to 74 years  
75 to 79 years  
80 to 84 years  
85 years and over

P14F. RACE(1) BY SEX(1) BY AGE(31)

31

Universe: American Indian, Eskimo, or Aleut females

American Indian, Eskimo, or Aleut:

Female:

Under 1 year  
1 and 2 years  
3 and 4 years  
5 years  
6 years  
7 to 9 years  
10 and 11 years  
12 and 13 years  
14 years  
15 years  
16 years  
17 years  
18 years  
19 years  
20 years  
21 years  
22 to 24 years  
25 to 29 years  
30 to 34 years  
35 to 39 years

40 to 44 years  
45 to 49 years  
50 to 54 years  
55 to 59 years  
60 and 61 years  
62 to 64 years  
65 to 69 years  
70 to 74 years  
75 to 79 years  
80 to 84 years  
85 years and over

P14G. RACE(1) BY SEX(1) BY AGE(31)

31

Universe: Asian and Pacific Islander males

Asian and Pacific Islander:

Male:

Under 1 year  
1 and 2 years  
3 and 4 years  
5 years  
6 years  
7 to 9 years  
10 and 11 years  
12 and 13 years  
14 years  
15 years  
16 years  
17 years  
18 years  
19 years  
20 years  
21 years  
22 to 24 years  
25 to 29 years  
30 to 34 years  
35 to 39 years  
40 to 44 years  
45 to 49 years  
50 to 54 years  
55 to 59 years  
60 and 61 years  
62 to 64 years  
65 to 69 years  
70 to 74 years  
75 to 79 years  
80 to 84 years  
85 years and over

P14H. RACE(1) BY SEX(1) BY AGE(31)

31

Universe: Asian and Pacific Islander females

Asian and Pacific Islander:

Female:

Under 1 year  
1 and 2 years  
3 and 4 years  
5 years  
6 years  
7 to 9 years  
10 and 11 years

12 and 13 years  
14 years  
15 years  
16 years  
17 years  
18 years  
19 years  
20 years  
21 years  
22 to 24 years  
25 to 29 years  
30 to 34 years  
35 to 39 years  
40 to 44 years  
45 to 49 years  
50 to 54 years  
55 to 59 years  
60 and 61 years  
62 to 64 years  
65 to 69 years  
70 to 74 years  
75 to 79 years  
80 to 84 years  
85 years and over

P14I. RACE(1) BY SEX(1) BY AGE(31)

31

Universe: Other race males

Other race:

Male:

Under 1 year  
1 and 2 years  
3 and 4 years  
5 years  
6 years  
7 to 9 years  
10 and 11 years  
12 and 13 years  
14 years  
15 years  
16 years  
17 years  
18 years  
19 years  
20 years  
21 years  
22 to 24 years  
25 to 29 years  
30 to 34 years  
35 to 39 years  
40 to 44 years  
45 to 49 years  
50 to 54 years  
55 to 59 years  
60 and 61 years  
62 to 64 years  
65 to 69 years  
70 to 74 years  
75 to 79 years

80 to 84 years  
 85 years and over  
 P14J. RACE(1) BY SEX(1) BY AGE(31) 31  
 Universe: Other race females  
 Other race:  
 Female:  
 Under 1 year  
 1 and 2 years  
 3 and 4 years  
 5 years  
 6 years  
 7 to 9 years  
 10 and 11 years  
 12 and 13 years  
 14 years  
 15 years  
 16 years  
 17 years  
 18 years  
 19 years  
 20 years  
 21 years  
 22 to 24 years  
 25 to 29 years  
 30 to 34 years  
 35 to 39 years  
 40 to 44 years  
 45 to 49 years  
 50 to 54 years  
 55 to 59 years  
 60 and 61 years  
 62 to 64 years  
 65 to 69 years  
 70 to 74 years  
 75 to 79 years  
 80 to 84 years  
 85 years and over  
 P15A. SEX(1) BY AGE(31) 31  
 Universe: Males of Hispanic origin  
 Male:  
 Under 1 year  
 1 and 2 years  
 3 and 4 years  
 5 years  
 6 years  
 7 to 9 years  
 10 and 11 years  
 12 and 13 years  
 14 years  
 15 years  
 16 years  
 17 years  
 18 years  
 19 years  
 20 years  
 21 years  
 22 to 24 years

25 to 29 years  
30 to 34 years  
35 to 39 years  
40 to 44 years  
45 to 49 years  
50 to 54 years  
55 to 59 years  
60 and 61 years  
62 to 64 years  
65 to 69 years  
70 to 74 years  
75 to 79 years  
80 to 84 years  
85 years and over

P15B. SEX(1) BY AGE(31)

31

Universe: Females of Hispanic origin  
Female:

Under 1 year  
1 and 2 years  
3 and 4 years  
5 years  
6 years  
7 to 9 years  
10 and 11 years  
12 and 13 years  
14 years  
15 years  
16 years  
17 years  
18 years  
19 years  
20 years  
21 years  
22 to 24 years  
25 to 29 years  
30 to 34 years  
35 to 39 years  
40 to 44 years  
45 to 49 years  
50 to 54 years  
55 to 59 years  
60 and 61 years  
62 to 64 years  
65 to 69 years  
70 to 74 years  
75 to 79 years  
80 to 84 years  
85 years and over

P16. PERSONS IN HOUSEHOLD(7)

7

Universe: Households  
1 person  
2 persons  
3 persons  
4 persons  
5 persons  
6 persons  
7 or more persons

|      |  |    |
|------|--|----|
| P17. | HOUSEHOLD TYPE AND RELATIONSHIP(15)<br>Universe: Persons<br>In family households:<br>Householder<br>Spouse<br>Child:<br>Natural-born or adopted<br>Step<br>Grandchild<br>Other relatives<br>Nonrelatives<br>In nonfamily households:<br>Male householder:<br>Living alone<br>Not living alone<br>Female householder:<br>Living alone<br>Not living alone<br>Nonrelatives<br>In group quarters:<br>Institutionalized persons<br>Other persons in group quarters<br>Filler | 15 |
| P18. | HOUSEHOLD TYPE AND RELATIONSHIP(12)<br>Universe: Persons 65 years and over<br>In family households:<br>Householder<br>Spouse<br>Other relatives<br>Nonrelatives<br>In nonfamily households:<br>Male householder:<br>Living alone<br>Not living alone<br>Female householder:<br>Living alone<br>Not living alone<br>Nonrelatives<br>In group quarters:<br>Institutionalized persons<br>Other persons in group quarters<br>Filler  | 12 |
| P19. | HOUSEHOLD TYPE AND PRESENCE AND AGE OF CHILDREN(7)<br>Universe: Households<br>Family households:<br>Married-couple family:<br>With own children under 18 years<br>No own children under 18 years<br>Other family:<br>Male householder, no wife present:<br>With own children under 18 years<br>No own children under 18 years<br>Female householder, no husband present:<br>With own children under 18 years<br>No own children under 18 years<br>Nonfamily households   | 7  |



P20. RACE OF HOUSEHOLDER(5) BY HOUSEHOLD TYPE AND PRESENCE AND AGE OF CHILDREN(7) 35  
 Universe: Households  
 White:  
 Family households:  
 Married-couple family:  
 With own children under 18 years  
 No own children under 18 years  
 Other family:  
 Male householder, no wife present:  
 With own children under 18 years  
 No own children under 18 years  
 Female householder, no husband present:  
 With own children under 18 years  
 No own children under 18 years  
 Nonfamily households  
 Black:  
 (Repeat HOUSEHOLD TYPE AND PRESENCE AND AGE OF CHILDREN)  
 American Indian, Eskimo, or Aleut:  
 (Repeat HOUSEHOLD TYPE AND PRESENCE AND AGE OF CHILDREN)  
 Asian or Pacific Islander:  
 (Repeat HOUSEHOLD TYPE AND PRESENCE AND AGE OF CHILDREN)  
 Other race:  
 (Repeat HOUSEHOLD TYPE AND PRESENCE AND AGE OF CHILDREN)

P21. HOUSEHOLD TYPE AND PRESENCE AND AGE OF CHILDREN(7) 7  
 Universe: Households with householder of Hispanic origin  
 Family households:  
 Married-couple family:  
 With own children under 18 years  
 No own children under 18 years  
 Other family:  
 Male householder, no wife present:  
 With own children under 18 years  
 No own children under 18 years  
 Female householder, no husband present:  
 With own children under 18 years  
 No own children under 18 years  
 Nonfamily households

P22. FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN(6) 6  
 Universe: Families  
 Married-couple family:  
 With children 18 years and over  
 No children 18 years and over  
 Other family:  
 Male householder, no wife present:  
 With children 18 years and over  
 No children 18 years and over  
 Female householder, no husband present:  
 With children 18 years and over  
 No children 18 years and over

P23. FAMILY TYPE AND AGE OF CHILDREN(21) 21  
 Universe: Own children under 18 years  
 In married-couple family:  
 Under 3 years  
 3 and 4 years  
 5 years  
 6 to 11 years

12 and 13 years  
 14 years  
 15 to 17 years  
 In other family:  
   Male householder, no wife present:  
     Under 3 years  
     3 and 4 years  
     5 years  
     6 to 11 years  
     12 and 13 years  
     14 years  
     15 to 17 years  
   Female householder, no husband present:  
     Under 3 years  
     3 and 4 years  
     5 years  
     6 to 11 years  
     12 and 13 years  
     14 years  
     15 to 17 years

P24. HOUSEHOLD TYPE(2) BY AGE OF HOUSEHOLDER(7) 14  
   Universe: Households  
   Family households:  
     15 to 24 years  
     25 to 34 years  
     35 to 44 years  
     45 to 54 years  
     55 to 64 years  
     65 to 74 years  
     75 years and over  
   Nonfamily households:  
     (Repeat AGE OF HOUSEHOLDER)

P25. SUBFAMILY TYPE AND PRESENCE AND AGE OF CHILDREN(4) 4  
   Universe: Subfamilies  
   Married-couple subfamily:  
     With own children under 18 years  
     No own children under 18 years  
   Mother-child subfamily  
   Father-child subfamily

P26. SUBFAMILY TYPE AND RELATIONSHIP(7) 7  
   Universe: Persons in subfamilies  
   Persons in married-couple subfamily:  
     Reference person  
     Spouse  
     Child  
   Persons in mother-child subfamily:  
     Parent  
     Child  
   Persons in father-child subfamily:  
     Parent  
     Child

P27. SEX(2) BY MARITAL STATUS(6) 12  
   Universe: Persons 15 years and over  
   Male:  
     Never married  
     Now married:  
       Married, spouse present

Married, spouse absent:  
 Separated  
 Other  
 Widowed  
 Divorced  
 Female:  
 (Repeat MARITAL STATUS)  
 P28. AGE(3) BY LANGUAGE SPOKEN AT HOME AND ABILITY TO SPEAK ENGLISH(10) 30  
 Universe: Persons 5 years and over  
 5 to 17 years:  
 Speak only English  
 Speak Spanish:  
     Speak English "very well"  
     Speak English "well"  
     Speak English "not well" or "not at all"  
 Speak Asian or Pacific Island language:  
     Speak English "very well"  
     Speak English "well"  
     Speak English "not well" or "not at all"  
 Speak other language:  
     Speak English "very well"  
     Speak English "well"  
     Speak English "not well" or "not at all"  
 18 to 64 years:  
 (Repeat LANGUAGE SPOKEN AT HOME AND ABILITY TO SPEAK ENGLISH)  
 65 years and over:  
 (Repeat LANGUAGE SPOKEN AT HOME AND ABILITY TO SPEAK ENGLISH)  
 P29. HOUSEHOLD LANGUAGE AND LINGUISTIC ISOLATION(7) 7  
 Universe: Households  
 English  
 Spanish:  
     Linguistically isolated  
     Not linguistically isolated  
 Asian or Pacific Island language:  
     Linguistically isolated  
     Not linguistically isolated  
 Other language:  
     Linguistically isolated  
     Not linguistically isolated  
 P30. AGE, LANGUAGE SPOKEN AT HOME, AND LINGUISTIC ISOLATION(33) 33  
 Universe: Persons 5 years and over  
 Persons in households:  
     5 to 13 years:  
         Speak only English:  
             Linguistically isolated:  
                 Spanish spoken in household  
                 Asian or Pacific Island language spoken in household  
                 Other language spoken in household  
             Not linguistically isolated  
         Speak Spanish:  
             Linguistically isolated  
             Not linguistically isolated  
         Speak Asian or Pacific Island language:  
             Linguistically isolated  
             Not linguistically isolated  
         Speak other language:  
             Linguistically isolated

Not linguistically isolated  
 14 to 17 years:  
   Speak only English  
   Speak Spanish:  
     Linguistically isolated  
     Not linguistically isolated  
   Speak Asian or Pacific Island language:  
     Linguistically isolated  
     Not linguistically isolated  
   Speak other language:  
     Linguistically isolated  
     Not linguistically isolated  
 18 to 64 years:  
   Speak only English  
   Speak Spanish:  
     Linguistically isolated  
     Not linguistically isolated  
   Speak Asian or Pacific Island language:  
     Linguistically isolated  
     Not linguistically isolated  
   Speak other language:  
     Linguistically isolated  
     Not linguistically isolated  
 65 years and over:  
   Speak only English  
   Speak Spanish:  
     Linguistically isolated  
     Not linguistically isolated  
   Speak Asian or Pacific Island language:  
     Linguistically isolated  
     Not linguistically isolated  
   Speak other language:  
     Linguistically isolated  
     Not linguistically isolated

Persons in group quarters

Filler

P31. LANGUAGE SPOKEN AT HOME(26)

26

Universe: Persons 5 years and over

Speak only English

German (607, 613)

Yiddish (609)

Other West Germanic language (608, 610-612)

Scandinavian (614-618)

Greek (637)

Indic (662-678)

Italian (619)

French or French Creole (620-624)

Portuguese or Portuguese Creole (629-630)

Spanish or Spanish Creole (625, 627-628)

Polish (645)

Russian (639)

South Slavic (647-652)

Other Slavic language (640-644, 646)

Other Indo-European language (601-606, 626, 631-636, 638, 653-661)

Arabic (777)

Tagalog (742)

Chinese (708-715)

Hungarian (682)  
 Japanese (723)  
 Mon-Khmer (726)  
 Korean (724)  
 Native North American languages (800-955, 959-966, 977-982)  
 Vietnamese (728)  
 Other and unspecified languages (679-681, 683-707, 716-722, 725,  
 727, 729-741, 743-776, 778-799, 956-958, 967-976, 983-999)

P32. ANCESTRY(4) 4  
 Universe: Persons  
 Ancestry specified:  
   Single ancestry  
   Multiple ancestry  
 Ancestry unclassified  
 Ancestry not reported

P33. ANCESTRY(36) 36  
 Universe: Persons  
 First ancestry reported (000-999):  
   Arab (400-415, 417-418, 421-430, 435-481, 490-499)  
   Austrian (003-004)  
   Belgian (008-010)  
   Canadian (931-934)  
   Czech (111-114)  
   Danish (020, 023)  
   Dutch (021, 029)  
   English (015, 022)  
   Finnish (024-025)  
   French (except Basque) (000-001, 016, 026-028, 083)  
   French Canadian (935-938)  
   German (032-045)  
   Greek (046-048)  
   Hungarian (125-126)  
   Irish (050, 081, 099)  
   Italian (030-031, 051-074)  
   Lithuanian (129)  
   Norwegian (082)  
   Polish (142-143)  
   Portuguese (084-086)  
   Romanian (144-147)  
   Russian (148-151)  
   Scotch-Irish (087)  
   Scottish (088)  
   Slovak (153)  
   Subsaharan African (500-599)  
   Swedish (089-090)  
   Swiss (091-096)  
   Ukrainian (171-174)  
   United States or American (939-994)  
   Welsh (097)  
   West Indian (excluding Hispanic origin groups) (300-359)  
   Yugoslavian (152, 154, 176-177)  
   Race or Hispanic origin groups (200-299, 900-928)  
   Other groups (002, 005-007, 011-014, 017-019, 049, 075-080,  
     098, 100-110, 115-124, 127-128, 130-141, 155-170, 175, 178-199,  
     360-399, 416, 419-420, 431-434, 482-489, 600-862, 929-930, 998)  
   Unclassified or not reported (863-899, 995-997, 999)

P34. ANCESTRY(36)

36

Universe: Persons

Second ancestry reported (000-999):

Arab (400-415, 417-418, 421-430, 435-481, 490-499)  
Austrian (003-004)  
Belgian (008-010)  
Canadian (931-934)  
Czech (111-114)  
Danish (020, 023)  
Dutch (021, 029)  
English (015, 022)  
Finnish (024-025)  
French (except Basque) (000-001, 016, 026-028, 083)  
French Canadian (935-938)  
German (032-045)  
Greek (046-048)  
Hungarian (125-126)  
Irish (050, 081, 099)  
Italian (030-031, 051-074)  
Lithuanian (129)  
Norwegian (082)  
Polish (142-143)  
Portuguese (084-086)  
Romanian (144-147)  
Russian (148-151)  
Scotch-Irish (087)  
Scottish (088)  
Slovak (153)  
Subsaharan African (500-599)  
Swedish (089-090)  
Swiss (091-096)  
Ukrainian (171-174)  
United States or American (939-994)  
Welsh (097)  
West Indian (excluding Hispanic origin groups) (300-359)  
Yugoslavian (152, 154, 176-177)  
Race or Hispanic origin groups (200-299, 900-928)  
Other groups (002, 005-007, 011-014, 017-019, 049, 075-080, 098,  
100-110, 115-124, 127-128, 130-141, 155-170, 175, 178-199, 360-399,  
416, 419-420, 431-434, 482-489, 600-862, 929-930, 998)  
Unclassified or not reported (863-899, 995-997, 999)

P35. ANCESTRY(37)

37

Universe: Persons

Reported single ancestry (000-862, 900-994, 998):

Arab (400-415, 417-418, 421-430, 435-481, 490-499)  
Austrian (003-004)  
Belgian (008-010)  
Canadian (931-934)  
Czech (111-114)  
Danish (020, 023)  
Dutch (021, 029)  
English (015, 022)  
Finnish (024-025)  
French (except Basque) (000-001, 016, 026-028, 083)  
French Canadian (935-938)  
German (032-045)  
Greek (046-048)

Hungarian (125-126)  
 Irish (050, 081, 099)  
 Italian (030-031, 051-074)  
 Lithuanian (129)  
 Norwegian (082)  
 Polish (142-143)  
 Portuguese (084-086)  
 Romanian (144-147)  
 Russian (148-151)  
 Scotch-Irish (087)  
 Scottish (088)  
 Slovak (153)  
 Sub-Saharan African (500-599)  
 Swedish (089-090)  
 Swiss (091-096)  
 Ukrainian (171-174)  
 United States or American (939-994)  
 Welsh (097)  
 West Indian (excluding Hispanic origin groups) (300-359)  
 Yugoslavian (152, 154, 176-177)  
 Race or Hispanic origin groups (200-299, 900-928)  
 Other groups (002, 005-007, 011-014, 017-019, 049, 075-080, 098,  
 100-110, 115-124, 127-128, 130-141, 155-170, 175, 178-199, 360-399,  
 416, 419-420, 431-434, 482-489, 600-862, 929-930, 998)  
 Reported multiple ancestry (000-998)  
 Unclassified or not reported (863-899, 995-997, 999)

P36. YEAR OF ENTRY(10) 10  
 Universe: Foreign-born persons  
 1987 to 1990  
 1985 or 1986  
 1982 to 1984  
 1980 or 1981  
 1975 to 1979  
 1970 to 1974  
 1965 to 1969  
 1960 to 1964  
 1950 to 1959  
 Before 1950

P37. AGE(2) BY CITIZENSHIP(3) 6  
 Universe: Persons  
 Under 18 years:  
   Native  
   Foreign born:  
     Naturalized citizen  
     Not a citizen  
 18 years and over:  
 (Repeat CITIZENSHIP)

P38. MARITAL STATUS(2) BY AGE(4) 8  
 Universe: Females 15 years and over  
 Never married:  
   15 to 24 years  
   25 to 34 years  
   35 to 44 years  
   45 years and over  
 Ever married:  
 (Repeat AGE)

P39. AGGREGATE NUMBER OF CHILDREN EVER BORN(1) BY MARITAL STATUS(2)  
 BY AGE(4) 8  
 Universe: Females 15 years and over  
 Total:  
   Never married:  
     15 to 24 years  
     25 to 34 years  
     35 to 44 years  
     45 years and over  
   Ever married:  
     (Repeat AGE)

P40. GROUP QUARTERS(10) 10  
 Universe: Persons in group quarters  
 Institutionalized persons (00I-99I):  
   Correctional institutions (20I-24I, 27I, 28I, 95I)  
   Nursing homes (60I-67I)  
   Mental (Psychiatric) hospitals (45I-48I)  
   Juvenile institutions (01I-05I, 10I-12I, 15I)  
   Other institutions (00I, 06I-09I, 13I, 14I, 16I-19I, 25I, 26I,  
     29I-44I,49I-59I,68I-94I, 96I-99I)  
 Other persons in group quarters (00N-99N):  
   College dormitories (87N)  
   Military quarters (96N-98N)  
   Emergency shelters for homeless persons (82N, 83N)  
   Visible in street locations (84N, 85N)  
   Other noninstitutional group quarters (00N-81N,86N,88N-95N,99N)

P41. GROUP QUARTERS(2) BY AGE(3) 6  
 Universe: Persons in group quarters  
 Institutionalized persons:  
   Under 18 years  
   18 to 64 years  
   65 years and over  
 Other persons in group quarters:  
   (Repeat AGE)

P42. PLACE OF BIRTH(9) 9  
 Universe: Persons  
 Native (001-099):  
   Born in State of residence  
   Born in other State in the United States (001-059):  
     Northeast (009, 023, 025, 033-034, 036, 042-044, 050)  
     Midwest (017-020, 026-027, 029, 031, 038-039, 046, 055)  
     South (001, 005, 010-014, 021-022, 024, 028, 037, 040, 045,  
       047-048, 051-052, 054)  
     West (002-004, 006-008, 015-016, 030, 032, 035, 041, 049,  
       053, 056-059)  
   Born outside the United States (060-099):  
     Puerto Rico (072-075)  
     U.S. outlying area (060-071, 076-099)  
     Born abroad of American parent(s)  
 Foreign born (100-999)

P43. RESIDENCE IN 1985--STATE AND COUNTY LEVEL(10) 10  
 Universe: Persons 5 years and over  
 Same house in 1985  
 Different house in United States in 1985:  
   Same county  
   Different county:  
     Same State



Different State:  
     Northeast  
     Midwest  
     South  
     West  
 Abroad in 1985:  
     Puerto Rico  
     U.S. outlying area  
     Foreign country

P44. RESIDENCE IN 1985--MSA/PMSA LEVEL(12) 12  
 Universe: Persons 5 years and over  
 Living in an MSA/PMSA in 1990:  
     Same house in 1985  
     Different house in United States in 1985:  
         This MSA/PMSA in 1985:  
             Central city  
             Remainder of this MSA/PMSA  
         Different MSA/PMSA in 1985:  
             Central city  
             Remainder of different MSA/PMSA  
     Not in an MSA/PMSA in 1985  
     Abroad in 1985  
 Not living in an MSA/PMSA in 1990:  
     Same house in 1985  
     Different house in United States in 1985:  
         In an MSA/PMSA in 1985:  
             Central city  
             Remainder of MSA/PMSA  
         Not in an MSA/PMSA in 1985  
     Abroad in 1985

P45. PLACE OF WORK--STATE AND COUNTY LEVEL(3) 3  
 Universe: Workers 16 years and over  
 Worked in State of residence:  
     Worked in county of residence  
     Worked outside county of residence  
 Worked outside State of residence

P46. PLACE OF WORK--PLACE LEVEL(3) 3  
 Universe: Workers 16 years and over  
 Living in a place:  
     Worked in place of residence  
     Worked outside place of residence  
 Not living in a place

P47. PLACE OF WORK--MSA/PMSA LEVEL(8) 8  
 Universe: Workers 16 years and over  
 Living in an MSA/PMSA:  
     Worked in MSA/PMSA of residence:  
         Central city  
         Remainder of this MSA/PMSA  
     Worked outside MSA/PMSA of residence:  
         Worked in a different MSA/PMSA:  
             Central city  
             Remainder of different MSA/PMSA  
         Worked outside any MSA/PMSA  
 Not living in an MSA/PMSA:  
     Worked in an MSA/PMSA:  
         Central city  
         Remainder of MSA/PMSA

|      |  |    |
|------|--|----|
|      | Worked outside any MSA/PMSA                                  |    |
| P48. | PLACE OF WORK--MINOR CIVIL DIVISION LEVEL(3)                 | 3  |
|      | Universe: Workers 16 years and over                          |    |
|      | Living in the 9 Northeastern States:                         |    |
|      | Worked in the minor civil division of residence              |    |
|      | Worked outside minor civil division of residence             |    |
|      | Not living in the 9 Northeastern States                      |    |
| P49. | MEANS OF TRANSPORTATION TO WORK(13)                          | 13 |
|      | Universe: Workers 16 years and over                          |    |
|      | Car, truck, or van:  |    |
|      | Drove alone  |    |
|      | Carpooled  |    |
|      | Public transportation:                                       |    |
|      | Bus or trolley bus   |    |
|      | Streetcar or trolley car                                     |    |
|      | Subway or elevated   |    |
|      | Railroad   |    |
|      | Ferryboat  |    |
|      | Taxicab  |    |
|      | Motorcycle   |    |
|      | Bicycle  |    |
|      | Walked   |    |
|      | Other means  |    |
|      | Worked at home   |    |
| P50. | TRAVEL TIME TO WORK(13)                                      | 13 |
|      | Universe: Workers 16 years and over                          |    |
|      | Did not work at home:  |    |
|      | Less than 5 minutes  |    |
|      | 5 to 9 minutes   |    |
|      | 10 to 14 minutes   |    |
|      | 15 to 19 minutes   |    |
|      | 20 to 24 minutes   |    |
|      | 25 to 29 minutes   |    |
|      | 30 to 34 minutes   |    |
|      | 35 to 39 minutes   |    |
|      | 40 to 44 minutes   |    |
|      | 45 to 59 minutes   |    |
|      | 60 to 89 minutes   |    |
|      | 90 or more minutes   |    |
|      | Worked at home   |    |
| P51. | AGGREGATE TRAVEL TIME TO WORK (IN MINUTES)(1)                | 1  |
|      | Universe: Workers 16 years and over who did not work at home |    |
|      | Total  |    |
| P52. | TIME LEAVING HOME TO GO TO WORK(15)                          | 15 |
|      | Universe: Workers 16 years and over                          |    |
|      | Did not work at home:  |    |
|      | 12:00 a. m. to 4:59 a. m.                                    |    |
|      | 5:00 a. m. to 5:29 a. m.                                     |    |
|      | 5:30 a. m. to 5:59 a. m.                                     |    |
|      | 6:00 a. m. to 6:29 a. m.                                     |    |
|      | 6:30 a. m. to 6:59 a. m.                                     |    |
|      | 7:00 a. m. to 7:29 a. m.                                     |    |
|      | 7:30 a. m. to 7:59 a. m.                                     |    |
|      | 8:00 a. m. to 8:29 a. m.                                     |    |
|      | 8:30 a. m. to 8:59 a. m.                                     |    |
|      | 9:00 a. m. to 9:59 a. m.                                     |    |
|      | 10:00 a. m. to 10:59 a. m.                                   |    |

11:00 a. m. to 11:59 a. m.  
 12:00 p. m. to 3:59 p. m.  
 4:00 p. m. to 11:59 p. m.  
 Worked at home

P53. PRIVATE VEHICLE OCCUPANCY(8) 8  
 Universe: Workers 16 years and over  
 Car, truck, or van:  
   Drove alone  
   In 2-person carpool  
   In 3-person carpool  
   In 4-person carpool  
   In 5-person carpool  
   In 6-person carpool  
   In 7-or-more person carpool  
 Other means

P54. SCHOOL ENROLLMENT AND TYPE OF SCHOOL(7) 7  
 Universe: Persons 3 years and over  
 Enrolled in preprimary school:  
   Public school  
   Private school  
 Enrolled in elementary or high school:  
   Public school  
   Private school  
 Enrolled in college:  
   Public school  
   Private school  
 Not enrolled in school

P55. RACE(5) BY SCHOOL ENROLLMENT(4) 20  
 Universe: Persons 3 years and over  
 White:  
   Enrolled in preprimary school  
   Enrolled in elementary or high school  
   Enrolled in college  
   Not enrolled in school  
 Black:  
   (Repeat SCHOOL ENROLLMENT)  
 American Indian, Eskimo, or Aleut:  
   (Repeat SCHOOL ENROLLMENT)  
 Asian or Pacific Islander:  
   (Repeat SCHOOL ENROLLMENT)  
 Other race:  
   (Repeat SCHOOL ENROLLMENT)

P56. SCHOOL ENROLLMENT(4) 4  
 Universe: Persons of Hispanic origin 3 years and over  
 Enrolled in preprimary school  
 Enrolled in elementary or high school  
 Enrolled in college  
 Not enrolled in school

P57. EDUCATIONAL ATTAINMENT(7) 7  
 Universe: Persons 25 years and over  
 Less than 9th grade  
 9th to 12th grade, no diploma  
 High school graduate (includes equivalency)  
 Some college, no degree  
 Associate degree  
 Bachelor's degree  
 Graduate or professional degree

|      |  |    |
|------|--|----|
| P58. | RACE(5) BY EDUCATIONAL ATTAINMENT(7)<br>Universe: Persons 25 years and over<br>White:<br>Less than 9th grade<br>9th to 12th grade, no diploma<br>High school graduate (includes equivalency)<br>Some college, no degree<br>Associate degree<br>Bachelor's degree<br>Graduate or professional degree<br>Black:<br>(Repeat EDUCATIONAL ATTAINMENT)<br>American Indian, Eskimo, or Aleut:<br>(Repeat EDUCATIONAL ATTAINMENT)<br>Asian or Pacific Islander:<br>(Repeat EDUCATIONAL ATTAINMENT)<br>Other race:<br>(Repeat EDUCATIONAL ATTAINMENT) | 35 |
| P59. | EDUCATIONAL ATTAINMENT(7)<br>Universe: Persons of Hispanic origin 25 years and over<br>Less than 9th grade<br>9th to 12th grade, no diploma<br>High school graduate (includes equivalency)<br>Some college, no degree<br>Associate degree<br>Bachelor's degree<br>Graduate or professional degree  | 7  |
| P60. | EDUCATIONAL ATTAINMENT(7)<br>Universe: Persons 18 years and over<br>Less than 9th grade<br>9th to 12th grade, no diploma<br>High school graduate (includes equivalency)<br>Some college, no degree<br>Associate degree<br>Bachelor's degree<br>Graduate or professional degree   | 7  |
| P61. | SCHOOL ENROLLMENT, EDUCATIONAL ATTAINMENT, AND EMPLOYMENT STATUS(13)<br>Universe: Persons 16 to 19 years<br>In Armed Forces:<br>Enrolled in school:<br>High school graduate<br>Not high school graduate<br>Not enrolled in school:<br>High school graduate<br>Not high school graduate<br>Civilian:<br>Enrolled in school:<br>Employed<br>Unemployed<br>Not in labor force<br>Not enrolled in school:<br>High school graduate:<br>Employed<br>Unemployed<br>Not in labor force<br>Not high school graduate:                                  | 13 |

Employed  
 Unemployed  
 Not in labor force  
 P62. RACE(5) BY SCHOOL ENROLLMENT, EDUCATIONAL ATTAINMENT, AND  
 EMPLOYMENT STATUS(13) 65  
 Universe: Persons 16 to 19 years  
 White:  
   In Armed Forces:  
     Enrolled in school:  
       High school graduate  
       Not high school graduate  
     Not enrolled in school:  
       High school graduate  
       Not high school graduate  
   Civilian:  
     Enrolled in school:  
       Employed  
       Unemployed  
       Not in labor force  
     Not enrolled in school:  
       High school graduate:  
         Employed  
         Unemployed  
         Not in labor force  
       Not high school graduate:  
         Employed  
         Unemployed  
         Not in labor force  
 Black:  
   (Repeat SCHOOL ENROLLMENT, EDUCATIONAL ATTAINMENT, AND  
   EMPLOYMENT STATUS)  
 American Indian, Eskimo, or Aleut:  
   (Repeat SCHOOL ENROLLMENT, EDUCATIONAL ATTAINMENT, AND  
   EMPLOYMENT STATUS)  
 Asian or Pacific Islander:  
   (Repeat SCHOOL ENROLLMENT, EDUCATIONAL ATTAINMENT, AND  
   EMPLOYMENT STATUS)  
 Other race:  
   (Repeat SCHOOL ENROLLMENT, EDUCATIONAL ATTAINMENT, AND  
   EMPLOYMENT STATUS)

P63. SCHOOL ENROLLMENT, EDUCATIONAL ATTAINMENT, AND  
 EMPLOYMENT STATUS(13) 13  
 Universe: Persons of Hispanic origin 16 to 19 years  
 In Armed Forces:  
   Enrolled in school:  
     High school graduate  
     Not high school graduate  
   Not enrolled in school:  
     High school graduate  
     Not high school graduate  
   Civilian:  
     Enrolled in school:  
       Employed  
       Unemployed  
       Not in labor force  
     Not enrolled in school:  
       High school graduate:

Employed  
 Unemployed  
 Not in labor force  
 Not high school graduate:  
   Employed  
   Unemployed  
   Not in labor force

P64. SEX(2) BY AGE(2) BY VETERAN STATUS(3) 12  
 Universe: Persons 16 years and over  
 Male:  
   16 to 64 years:  
     In Armed Forces  
     Civilian:  
       Veteran  
       Nonveteran  
   65 years and over:  
     (Repeat VETERAN STATUS)  
 Female:  
   (Repeat AGE By VETERAN STATUS)

P65. PERIOD OF MILITARY SERVICE(13) 13  
 Universe: Civilian veterans 16 years and over  
 May 1975 or later only:  
   September 1980 or later only:  
     With less than 2 years of service  
     With 2 or more years of service  
   May 1975 to August 1980 only  
     Both, May 1975 to August 1980 and September 1980 or later  
     Vietnam era, no Korean conflict nor World War II  
     Vietnam era and Korean conflict, no World War II  
     Vietnam era, Korean conflict, and World War II  
   February 1955 to July 1964 only  
     Korean conflict, no Vietnam era nor World War II  
     Korean conflict and World War II, no Vietnam era  
     World War II, no Korean conflict nor Vietnam era  
     World War I  
   Other service

P66. SEX(2) BY AGE(2) BY WORK DISABILITY STATUS AND EMPLOYMENT 28  
       STATUS(7)  
 Universe: Civilian noninstitutionalized persons 16 years and over  
 Male:  
   16 to 64 years:  
     With a work disability:  
       In labor force:  
         Employed  
         Unemployed  
       Not in labor force:  
         Prevented from working  
         Not prevented from working  
     No work disability:  
       In labor force:  
         Employed  
         Unemployed  
       Not in labor force  
   65 years and over:  
     (Repeat WORK DISABILITY STATUS AND EMPLOYMENT STATUS)  
 Female:  
   (Repeat AGE By WORK DISABILITY STATUS AND EMPLOYMENT STATUS)

P67. SEX(2) BY AGE(2) BY MOBILITY LIMITATION STATUS(2) BY  
 EMPLOYMENT STATUS(3) 24  
 Universe: Civilian noninstitutionalized persons 16 years and over  
 Male:  
 16 to 64 years:  
 With a mobility limitation:  
 In labor force:  
 Employed  
 Unemployed  
 Not in labor force  
 No mobility limitation:  
 (Repeat EMPLOYMENT STATUS)  
 65 years and over:  
 (Repeat MOBILITY LIMITATION STATUS By EMPLOYMENT STATUS)  
 Female:  
 (Repeat AGE By MOBILITY LIMITATION STATUS By EMPLOYMENT STATUS)

P68. SEX(2) BY AGE(2) BY WORK DISABILITY STATUS(2) BY MOBILITY AND  
 SELF-CARE LIMITATION STATUS(2) 16  
 Universe: Civilian noninstitutionalized persons 16 years and over  
 Male:  
 16 to 64 years:  
 With a work disability:  
 With a mobility or self-care limitation  
 No mobility or self-care limitation  
 No work disability:  
 (Repeat MOBILITY AND SELF-CARE LIMITATION STATUS)  
 65 years and over:  
 (Repeat WORK DISABILITY STATUS By MOBILITY AND SELF-CARE  
 LIMITATION STATUS)  
 Female:  
 (Repeat AGE By WORK DISABILITY STATUS By MOBILITY  
 AND SELF-CARE LIMITATION STATUS)

P69. SEX(2) BY AGE(3) BY MOBILITY AND SELF-CARE LIMITATION STATUS(4) 24  
 Universe: Civilian noninstitutionalized persons 16 years and over  
 Male:  
 16 to 64 years:  
 With a mobility or self-care limitation:  
 Mobility limitation only  
 Self-care limitation only  
 Mobility and self-care limitation  
 No mobility or self-care limitation  
 65 to 74 years:  
 (Repeat MOBILITY AND SELF-CARE LIMITATION STATUS)  
 75 years and over:  
 (Repeat MOBILITY AND SELF-CARE LIMITATION STATUS)  
 Female:  
 (Repeat AGE By MOBILITY AND SELF-CARE LIMITATION STATUS)

P70. SEX(2) BY EMPLOYMENT STATUS(4) 8  
 Universe: Persons 16 years and over  
 Male:  
 In labor force:  
 In Armed Forces  
 Civilian:  
 Employed  
 Unemployed  
 Not in labor force

Female:  
 (Repeat EMPLOYMENT STATUS)

P71. RACE(5) BY SEX(2) BY EMPLOYMENT STATUS(4) 40  
 Universe: Persons 16 years and over  
 White:  
 Male:  
 In labor force:  
 In Armed Forces  
 Civilian:  
 Employed  
 Unemployed  
 Not in labor force  
 Female:  
 (Repeat EMPLOYMENT STATUS)

Black:  
 (Repeat SEX By EMPLOYMENT STATUS)  
 American Indian, Eskimo, or Aleut:  
 (Repeat SEX By EMPLOYMENT STATUS)  
 Asian or Pacific Islander:  
 (Repeat SEX By EMPLOYMENT STATUS)  
 Other race:  
 (Repeat SEX By EMPLOYMENT STATUS)

P72. SEX(2) BY EMPLOYMENT STATUS(4) 8  
 Universe: Persons of Hispanic origin 16 years and over  
 Male:  
 In labor force:  
 In Armed Forces  
 Civilian:  
 Employed  
 Unemployed  
 Not in labor force  
 Female:  
 (Repeat EMPLOYMENT STATUS)

P73. PRESENCE AND AGE OF CHILDREN AND EMPLOYMENT STATUS(12) 12  
 Universe: Females 16 years and over  
 With own children under 18 years:  
 Under 6 years only:  
 In labor force:  
 Employed or in Armed Forces  
 Unemployed  
 Not in labor force  
 6 to 17 years only:  
 In labor force:  
 Employed or in Armed Forces  
 Unemployed  
 Not in labor force  
 Under 6 years and 6 to 17 years:  
 In labor force:  
 Employed or in Armed Forces  
 Unemployed  
 Not in labor force  
 No own children under 18 years:  
 In labor force:  
 Employed or in Armed Forces  
 Unemployed  
 Not in labor force



P74. PRESENCE AND AGE OF CHILDREN(2) BY EMPLOYMENT STATUS OF PARENTS(8) 16  
 Universe: Own children under 18 years in families and subfamilies  
 Under 6 years:  
 Living with two parents:  
 Both parents in labor force  
 Father only in labor force  
 Mother only in labor force  
 Neither parent in labor force  
 Living with one parent:  
 Living with father:  
 In labor force  
 Not in labor force  
 Living with mother:  
 In labor force  
 Not in labor force  
 6 to 17 years:  
 (Repeat EMPLOYMENT STATUS OF PARENTS)

P75. SEX(2) BY WORK STATUS IN 1989(2) 4  
 Universe: Persons 16 years and over  
 Male:  
 Worked in 1989  
 Did not work in 1989  
 Female:  
 (Repeat WORK STATUS IN 1989)

P76. SEX(2) BY WORK STATUS IN 1989, USUAL HOURS WORKED PER WEEK IN 1989, AND WEEKS WORKED IN 1989(19) 38  
 Universe: Persons 16 years and over  
 Male:  
 Worked in 1989:  
 Usually worked 35 or more hours per week:  
 50 to 52 weeks  
 48 to 49 weeks  
 40 to 47 weeks  
 27 to 39 weeks  
 14 to 26 weeks  
 1 to 13 weeks  
 Usually worked 15 to 34 hours per week:  
 50 to 52 weeks  
 48 to 49 weeks  
 40 to 47 weeks  
 27 to 39 weeks  
 14 to 26 weeks  
 1 to 13 weeks  
 Usually worked 1 to 14 hours per week:  
 50 to 52 weeks  
 48 to 49 weeks  
 40 to 47 weeks  
 27 to 39 weeks  
 14 to 26 weeks  
 1 to 13 weeks  
 Did not work in 1989  
 Female:  
 (Repeat WORK STATUS IN 1989, USUAL HOURS WORKED PER WEEK IN 1989, AND WEEKS WORKED IN 1989)

P77. INDUSTRY(17) 17  
 Universe: Employed persons 16 years and over

|      |   |    |
|------|---|----|
|      | Agriculture, forestry, and fisheries (000-039)                      |    |
|      | Mining (040-059)  |    |
|      | Construction (060-099)  |    |
|      | Manufacturing, nondurable goods (100-229)                           |    |
|      | Manufacturing, durable goods (230-399)                              |    |
|      | Transportation (400-439)  |    |
|      | Communications and other public utilities (440-499)                 |    |
|      | Wholesale trade (500-579)   |    |
|      | Retail trade (580-699)  |    |
|      | Finance, insurance, and real estate (700-720)                       |    |
|      | Business and repair services (721-760)                              |    |
|      | Personal services (761-799)   |    |
|      | Entertainment and recreation services (800-811)                     |    |
|      | Professional and related services (812-899):                        |    |
|      | Health services (812-840)   |    |
|      | Educational services (842-860)                                      |    |
|      | Other professional and related services (841, 861-899)              |    |
|      | Public administration (900-939)                                     |    |
| P78. | OCCUPATION(13)  | 13 |
|      | Universe: Employed persons 16 years and over                        |    |
|      | Managerial and professional specialty occupations (000-202):        |    |
|      | Executive, administrative, and managerial occupations (000-042)     |    |
|      | Professional specialty occupations (043-202)                        |    |
|      | Technical, sales, and administrative support occupations (203-402): |    |
|      | Technicians and related support occupations (203-242)               |    |
|      | Sales occupations (243-302)   |    |
|      | Administrative support occupations, including clerical (303-402)    |    |
|      | Service occupations (403-472):                                      |    |
|      | Private household occupations (403-412)                             |    |
|      | Protective service occupations (413-432)                            |    |
|      | Service occupations, except protective and household (433-472)      |    |
|      | Farming, forestry, and fishing occupations (473-502)                |    |
|      | Precision production, craft, and repair occupations (503-702)       |    |
|      | Operators, fabricators, and laborers (703-902):                     |    |
|      | Machine operators, assemblers, and inspectors (703-802)             |    |
|      | Transportation and material moving occupations (803-863)            |    |
|      | Handlers, equipment cleaners, helpers, and laborers (864-902)       |    |
| P79. | CLASS OF WORKER(7)  | 7  |
|      | Universe: Employed persons 16 years and over                        |    |
|      | Private for profit wage and salary workers                          |    |
|      | Private not-for-profit wage and salary workers                      |    |
|      | Local government workers  |    |
|      | State government workers  |    |
|      | Federal government workers  |    |
|      | Self-employed workers   |    |
|      | Unpaid family workers   |    |
| P80. | HOUSEHOLD INCOME IN 1989(25)  | 25 |
|      | Universe: Households  |    |
|      | Less than \$5,000   |    |
|      | \$5,000 to \$9,999  |    |
|      | \$10,000 to \$12,499  |    |
|      | \$12,500 to \$14,999  |    |
|      | \$15,000 to \$17,499  |    |
|      | \$17,500 to \$19,999  |    |
|      | \$20,000 to \$22,499  |    |
|      | \$22,500 to \$24,999  |    |
|      | \$25,000 to \$27,499  |    |

|       |   |    |
|-------|---|----|
|       | \$27,500 to \$29,999  |    |
|       | \$30,000 to \$32,499  |    |
|       | \$32,500 to \$34,999  |    |
|       | \$35,000 to \$37,499  |    |
|       | \$37,500 to \$39,999  |    |
|       | \$40,000 to \$42,499  |    |
|       | \$42,500 to \$44,999  |    |
|       | \$45,000 to \$47,499  |    |
|       | \$47,500 to \$49,999  |    |
|       | \$50,000 to \$54,999  |    |
|       | \$55,000 to \$59,999  |    |
|       | \$60,000 to \$74,999  |    |
|       | \$75,000 to \$99,999  |    |
|       | \$100,000 to \$124,999  |    |
|       | \$125,000 to \$149,999  |    |
|       | \$150,000 or more   |    |
| P80A. | MEDIAN HOUSEHOLD INCOME IN 1989(1)                              | 1  |
|       | Universe: Households  |    |
|       | Median household income in 1989                                 |    |
| P81.  | AGGREGATE HOUSEHOLD INCOME IN 1989(2)                           | 2  |
|       | Universe: Households  |    |
|       | Total:  |    |
|       | Less than \$150,000   |    |
|       | \$150,000 or more   |    |
| P82.  | RACE OF HOUSEHOLDER(5) BY HOUSEHOLD INCOME IN 1989(9)           | 45 |
|       | Universe: Households  |    |
|       | White:  |    |
|       | Less than \$5,000   |    |
|       | \$5,000 to \$9,999  |    |
|       | \$10,000 to \$14,999  |    |
|       | \$15,000 to \$24,999  |    |
|       | \$25,000 to \$34,999  |    |
|       | \$35,000 to \$49,999  |    |
|       | \$50,000 to \$74,999  |    |
|       | \$75,000 to \$99,999  |    |
|       | \$100,000 or more   |    |
|       | Black:  |    |
|       | (Repeat HOUSEHOLD INCOME IN 1989)                               |    |
|       | American Indian, Eskimo, or Aleut:                              |    |
|       | (Repeat HOUSEHOLD INCOME IN 1989)                               |    |
|       | Asian or Pacific Islander:                                      |    |
|       | (Repeat HOUSEHOLD INCOME IN 1989)                               |    |
|       | Other race:   |    |
|       | (Repeat HOUSEHOLD INCOME IN 1989)                               |    |
| P83.  | HOUSEHOLD INCOME IN 1989(9)                                     | 9  |
|       | Universe: Households with householder of Hispanic origin        |    |
|       | Less than \$5,000   |    |
|       | \$5,000 to \$9,999  |    |
|       | \$10,000 to \$14,999  |    |
|       | \$15,000 to \$24,999  |    |
|       | \$25,000 to \$34,999  |    |
|       | \$35,000 to \$49,999  |    |
|       | \$50,000 to \$74,999  |    |
|       | \$75,000 to \$99,999  |    |
|       | \$100,000 or more   |    |
| P84.  | AGGREGATE HOUSEHOLD INCOME IN 1989(1) BY RACE OF HOUSEHOLDER(5) | 5  |
|       | Universe: Households  |    |

Total:

- White
- Black
- American Indian, Eskimo, or Aleut
- Asian or Pacific Islander
- Other race

P85. AGGREGATE HOUSEHOLD INCOME IN 1989(1) 1  
 Universe: Households with householder of Hispanic origin  
 Total

P86. AGE OF HOUSEHOLDER(7) BY HOUSEHOLD INCOME IN 1989(9) 63  
 Universe: Households  
 Under 25 years:  
 Less than \$5,000  
 \$5,000 to \$9,999  
 \$10,000 to \$14,999  
 \$15,000 to \$24,999  
 \$25,000 to \$34,999  
 \$35,000 to \$49,999  
 \$50,000 to \$74,999  
 \$75,000 to \$99,999  
 \$100,000 or more  
 25 to 34 years:  
 (Repeat HOUSEHOLD INCOME IN 1989)  
 35 to 44 years:  
 (Repeat HOUSEHOLD INCOME IN 1989)  
 45 to 54 years:  
 (Repeat HOUSEHOLD INCOME IN 1989)  
 55 to 64 years:  
 (Repeat HOUSEHOLD INCOME IN 1989)  
 65 to 74 years:  
 (Repeat HOUSEHOLD INCOME IN 1989)  
 75 years and over:  
 (Repeat HOUSEHOLD INCOME IN 1989)

P87A. RACE OF HOUSEHOLDER(1) BY AGE OF HOUSEHOLDER(7) BY HOUSEHOLD INCOME IN 1989(9) 63  
 Universe: White households  
 White:  
 Under 25 years:  
 Less than \$5,000  
 \$5,000 to \$9,999  
 \$10,000 to \$14,999  
 \$15,000 to \$24,999  
 \$25,000 to \$34,999  
 \$35,000 to \$49,999  
 \$50,000 to \$74,999  
 \$75,000 to \$99,999  
 \$100,000 or more  
 25 to 34 years:  
 (Repeat HOUSEHOLD INCOME IN 1989)  
 35 to 44 years:  
 (Repeat HOUSEHOLD INCOME IN 1989)  
 45 to 54 years:  
 (Repeat HOUSEHOLD INCOME IN 1989)  
 55 to 64 years:  
 (Repeat HOUSEHOLD INCOME IN 1989)  
 65 to 74 years:  
 (Repeat HOUSEHOLD INCOME IN 1989)

75 years and over:  
(Repeat HOUSEHOLD INCOME IN 1989)  
P87B. RACE OF HOUSEHOLDER(1) BY AGE OF HOUSEHOLDER(7) BY HOUSEHOLD  
INCOME IN 1989(9)

63

Universe: Black households

Black:

Under 25 years:

Less than \$5,000  
\$5,000 to \$9,999  
\$10,000 to \$14,999  
\$15,000 to \$24,999  
\$25,000 to \$34,999  
\$35,000 to \$49,999  
\$50,000 to \$74,999  
\$75,000 to \$99,999  
\$100,000 or more

25 to 34 years:

(Repeat HOUSEHOLD INCOME IN 1989)

35 to 44 years:

(Repeat HOUSEHOLD INCOME IN 1989)

45 to 54 years:

(Repeat HOUSEHOLD INCOME IN 1989)

55 to 64 years:

(Repeat HOUSEHOLD INCOME IN 1989)

65 to 74 years:

(Repeat HOUSEHOLD INCOME IN 1989)

75 years and over:

(Repeat HOUSEHOLD INCOME IN 1989)

P87C. RACE OF HOUSEHOLDER(1) BY AGE OF HOUSEHOLDER(7) BY HOUSEHOLD  
INCOME IN 1989(9) 63

Universe: American Indian, Eskimo, or Aleut households

American Indian, Eskimo, or Aleut:

Under 25 years:

Less than \$5,000  
\$5,000 to \$9,999  
\$10,000 to \$14,999  
\$15,000 to \$24,999  
\$25,000 to \$34,999  
\$35,000 to \$49,999  
\$50,000 to \$74,999  
\$75,000 to \$99,999  
\$100,000 or more

25 to 34 years:

(Repeat HOUSEHOLD INCOME IN 1989)

35 to 44 years:

(Repeat HOUSEHOLD INCOME IN 1989)

45 to 54 years:

(Repeat HOUSEHOLD INCOME IN 1989)

55 to 64 years:

(Repeat HOUSEHOLD INCOME IN 1989)

65 to 74 years:

(Repeat HOUSEHOLD INCOME IN 1989)

75 years and over:

(Repeat HOUSEHOLD INCOME IN 1989)

P87D. RACE OF HOUSEHOLDER(1) BY AGE OF HOUSEHOLDER(7) BY HOUSEHOLD  
INCOME IN 1989(9)

63

Universe: Asian and Pacific Islander households

Asian and Pacific Islander:

Under 25 years:

Less than \$5,000  
\$5,000 to \$9,999  
\$10,000 to \$14,999  
\$15,000 to \$24,999  
\$25,000 to \$34,999  
\$35,000 to \$49,999  
\$50,000 to \$74,999  
\$75,000 to \$99,999  
\$100,000 or more

25 to 34 years:

(Repeat HOUSEHOLD INCOME IN 1989)

35 to 44 years:

(Repeat HOUSEHOLD INCOME IN 1989)

45 to 54 years:

(Repeat HOUSEHOLD INCOME IN 1989)

55 to 64 years:

(Repeat HOUSEHOLD INCOME IN 1989)

65 to 74 years:

(Repeat HOUSEHOLD INCOME IN 1989)

75 years and over:

(Repeat HOUSEHOLD INCOME IN 1989)

P87E. RACE OF HOUSEHOLDER(1) BY AGE OF HOUSEHOLDER(7) BY HOUSEHOLD INCOME IN 1989(9)

63

Universe: Other race households

Other race:

Under 25 years:

Less than \$5,000  
\$5,000 to \$9,999  
\$10,000 to \$14,999  
\$15,000 to \$24,999  
\$25,000 to \$34,999  
\$35,000 to \$49,999  
\$50,000 to \$74,999  
\$75,000 to \$99,999  
\$100,000 or more

25 to 34 years:

(Repeat HOUSEHOLD INCOME IN 1989)

35 to 44 years:

(Repeat HOUSEHOLD INCOME IN 1989)

45 to 54 years:

(Repeat HOUSEHOLD INCOME IN 1989)

55 to 64 years:

(Repeat HOUSEHOLD INCOME IN 1989)

65 to 74 years:

(Repeat HOUSEHOLD INCOME IN 1989)

75 years and over:

(Repeat HOUSEHOLD INCOME IN 1989)

P88. AGE OF HOUSEHOLDER(7) BY HOUSEHOLD INCOME IN 1989(9)

63

Universe: Households with householder of Hispanic origin

Under 25 years:

Less than \$5,000  
\$5,000 to \$9,999  
\$10,000 to \$14,999  
\$15,000 to \$24,999  
\$25,000 to \$34,999

|      |   |   |
|------|---|---|
|      | \$35,000 to \$49,999                                |   |
|      | \$50,000 to \$74,999                                |   |
|      | \$75,000 to \$99,999                                |   |
|      | \$100,000 or more                                   |   |
|      | 25 to 34 years:                                     |   |
|      | (Repeat HOUSEHOLD INCOME IN 1989)                   |   |
|      | 35 to 44 years:                                     |   |
|      | (Repeat HOUSEHOLD INCOME IN 1989)                   |   |
|      | 45 to 54 years:                                     |   |
|      | (Repeat HOUSEHOLD INCOME IN 1989)                   |   |
|      | 55 to 64 years:                                     |   |
|      | (Repeat HOUSEHOLD INCOME IN 1989)                   |   |
|      | 65 to 74 years:                                     |   |
|      | (Repeat HOUSEHOLD INCOME IN 1989)                   |   |
|      | 75 years and over:                                  |   |
|      | (Repeat HOUSEHOLD INCOME IN 1989)                   |   |
| P89. | EARNINGS IN 1989(2)                                 | 2 |
|      | Universe: Households                                |   |
|      | With earnings                                       |   |
|      | No earnings   |   |
| P90. | WAGE OR SALARY INCOME IN 1989(2)                    | 2 |
|      | Universe: Households                                |   |
|      | With wage or salary income                          |   |
|      | No wage or salary income                            |   |
| P91. | NONFARM SELF-EMPLOYMENT INCOME IN 1989(2)           | 2 |
|      | Universe: Households                                |   |
|      | With nonfarm self-employment income                 |   |
|      | No nonfarm self-employment income                   |   |
| P92. | FARM SELF-EMPLOYMENT INCOME IN 1989(2)              | 2 |
|      | Universe: Households                                |   |
|      | With farm self-employment income                    |   |
|      | No farm self-employment income                      |   |
| P93. | INTEREST, DIVIDEND, OR NET RENTAL INCOME IN 1989(2) | 2 |
|      | Universe: Households                                |   |
|      | With interest, dividend, or net rental income       |   |
|      | No interest, dividend, or net rental income         |   |
| P94. | SOCIAL SECURITY INCOME IN 1989(2)                   | 2 |
|      | Universe: Households                                |   |
|      | With Social Security income                         |   |
|      | No Social Security income                           |   |
| P95. | PUBLIC ASSISTANCE INCOME IN 1989(2)                 | 2 |
|      | Universe: Households                                |   |
|      | With public assistance income                       |   |
|      | No public assistance income                         |   |
| P96. | RETIREMENT INCOME IN 1989(2)                        | 2 |
|      | Universe: Households                                |   |
|      | With retirement income                              |   |
|      | No retirement income                                |   |
| P97. | OTHER TYPE OF INCOME IN 1989(2)                     | 2 |
|      | Universe: Households                                |   |
|      | With other income                                   |   |
|      | No other income                                     |   |
| P98. | AGGREGATE WAGE OR SALARY INCOME IN 1989(1)          | 1 |
|      | Universe: Households                                |   |
|      | Total   |   |
| P99. | AGGREGATE NONFARM SELF-EMPLOYMENT INCOME IN 1989(1) | 1 |
|      | Universe: Households                                |   |

|       |  |    |
|-------|--|----|
|       | Total  |    |
| P100. | AGGREGATE FARM SELF-EMPLOYMENT INCOME IN 1989(1)                                       | 1  |
|       | Universe: Households   |    |
|       | Total  |    |
| P101. | AGGREGATE INTEREST, DIVIDEND, OR NET RENTAL INCOME IN 1989(1)                          | 1  |
|       | Universe: Households   |    |
|       | Total  |    |
| P102. | AGGREGATE SOCIAL SECURITY INCOME IN 1989(1)  | 1  |
|       | Universe: Households   |    |
|       | Total  |    |
| P103. | AGGREGATE PUBLIC ASSISTANCE INCOME IN 1989(1)  | 1  |
|       | Universe: Households   |    |
|       | Total  |    |
| P104. | AGGREGATE RETIREMENT INCOME IN 1989(1)   | 1  |
|       | Universe: Households   |    |
|       | Total  |    |
| P105. | AGGREGATE OTHER TYPE OF INCOME IN 1989(1)  | 1  |
|       | Universe: Households   |    |
|       | Total  |    |
| P106. | AGGREGATE PERSONS IN HOUSEHOLDS(1) BY PUBLIC ASSISTANCE INCOME<br>IN 1989(2) BY AGE(3) | 6  |
|       | Universe: Persons in households  |    |
|       | Total:   |    |
|       | With public assistance income:   |    |
|       | Under 15 years   |    |
|       | 15 to 64 years   |    |
|       | 65 years and over  |    |
|       | No public assistance income:   |    |
|       | (Repeat AGE)   |    |
| P107. | FAMILY INCOME IN 1989(25)  | 25 |
|       | Universe: Families   |    |
|       | Less than \$5,000  |    |
|       | \$5,000 to \$9,999   |    |
|       | \$10,000 to \$12,499   |    |
|       | \$12,500 to \$14,999   |    |
|       | \$15,000 to \$17,499   |    |
|       | \$17,500 to \$19,999   |    |
|       | \$20,000 to \$22,499   |    |
|       | \$22,500 to \$24,999   |    |
|       | \$25,000 to \$27,499   |    |
|       | \$27,500 to \$29,999   |    |
|       | \$30,000 to \$32,499   |    |
|       | \$32,500 to \$34,999   |    |
|       | \$35,000 to \$37,499   |    |
|       | \$37,500 to \$39,999   |    |
|       | \$40,000 to \$42,499   |    |
|       | \$42,500 to \$44,999   |    |
|       | \$45,000 to \$47,499   |    |
|       | \$47,500 to \$49,999   |    |
|       | \$50,000 to \$54,999   |    |
|       | \$55,000 to \$59,999   |    |
|       | \$60,000 to \$74,999   |    |
|       | \$75,000 to \$99,999   |    |
|       | \$100,000 to \$124,999   |    |
|       | \$125,000 to \$149,999   |    |
|       | \$150,000 or more  |    |



P107A. MEDIAN FAMILY INCOME IN 1989(1) 1  
 Universe: Families  
 Median family income in 1989

P108. AGGREGATE FAMILY INCOME IN 1989(1) BY FAMILY INCOME IN 1989(2) 2  
 Universe: Families  
 Total:  
 Less than \$150,000  
 \$150,000 or more

P109. AGGREGATE FAMILY INCOME IN 1989(1) BY FAMILY TYPE AND PRESENCE 6  
 AND AGE OF CHILDREN(6)  
 Universe: Families  
 Total:  
 Married-couple family:  
 With own children under 18 years  
 No own children under 18 years  
 Other family:  
 Male householder, no wife present:  
 With own children under 18 years  
 No own children under 18 years  
 Female householder, no husband present:  
 With own children under 18 years  
 No own children under 18 years

P110. NONFAMILY HOUSEHOLD INCOME IN 1989(25) 25  
 Universe: Nonfamily households  
 Less than \$5,000  
 \$5,000 to \$9,999  
 \$10,000 to \$12,499  
 \$12,500 to \$14,999  
 \$15,000 to \$17,499  
 \$17,500 to \$19,999  
 \$20,000 to \$22,499  
 \$22,500 to \$24,999  
 \$25,000 to \$27,499  
 \$27,500 to \$29,999  
 \$30,000 to \$32,499  
 \$32,500 to \$34,999  
 \$35,000 to \$37,499  
 \$37,500 to \$39,999  
 \$40,000 to \$42,499  
 \$42,500 to \$44,999  
 \$45,000 to \$47,499  
 \$47,500 to \$49,999  
 \$50,000 to \$54,999  
 \$55,000 to \$59,999  
 \$60,000 to \$74,999  
 \$75,000 to \$99,999  
 \$100,000 to \$124,999  
 \$125,000 to \$149,999  
 \$150,000 or more

P110A. MEDIAN NONFAMILY HOUSEHOLD INCOME IN 1989(1) 1  
 Universe: Nonfamily households  
 Median nonfamily household income in 1989

P111. AGGREGATE NONFAMILY HOUSEHOLD INCOME IN 1989(1) BY NONFAMILY 2  
 HOUSEHOLD INCOME IN 1989(2)  
 Universe: Nonfamily households  
 Total:  
 Less than \$150,000

|        |  |   |
|--------|--|---|
|        | \$150,000 or more  |   |
| P112.  | WORKERS IN FAMILY IN 1989(4)                                       | 4 |
|        | Universe: Families   |   |
|        | No workers   |   |
|        | 1 worker   |   |
|        | 2 workers  |   |
|        | 3 or more workers  |   |
| P113.  | AGGREGATE FAMILY INCOME IN 1989(1) BY WORKERS IN FAMILY IN 1989(4) | 4 |
|        | Universe: Families   |   |
|        | Total:   |   |
|        | No workers   |   |
|        | 1 worker   |   |
|        | 2 workers  |   |
|        | 3 or more workers  |   |
| P114.  | AGGREGATE INCOME IN 1989(1) BY GROUP QUARTERS(3)                   | 3 |
|        | Universe: Persons 15 years and over                                |   |
|        | Total:   |   |
|        | In households  |   |
|        | In group quarters:   |   |
|        | Institutionalized persons  |   |
|        | Other persons in group quarters                                    |   |
|        | Filler   |   |
| P114A. | PER CAPITA INCOME IN 1989(1)                                       | 1 |
|        | Universe: Persons  |   |
|        | Per capita income in 1989  |   |
| P114B. | PER CAPITA INCOME IN 1989(1) BY GROUP QUARTERS(3)                  | 3 |
|        | Universe: Persons  |   |
|        | Per capita income in 1989:   |   |
|        | In households  |   |
|        | In group quarters:   |   |
|        | Institutionalized persons  |   |
|        | Other persons in group quarters                                    |   |
|        | Filler   |   |
| P115.  | AGGREGATE INCOME IN 1989(1) BY RACE(5)                             | 5 |
|        | Universe: Persons 15 years and over                                |   |
|        | Total:   |   |
|        | White  |   |
|        | Black  |   |
|        | American Indian, Eskimo, or Aleut                                  |   |
|        | Asian or Pacific Islander  |   |
|        | Other race   |   |
| P115A. | PER CAPITA INCOME IN 1989(1) BY RACE(5)                            | 5 |
|        | Universe: Persons  |   |
|        | Per capita income in 1989:   |   |
|        | White  |   |
|        | Black  |   |
|        | American Indian, Eskimo, or Aleut                                  |   |
|        | Asian or Pacific Islander  |   |
|        | Other race   |   |
| P116.  | AGGREGATE INCOME IN 1989(1)  | 1 |
|        | Universe: Persons of Hispanic origin 15 years and over             |   |
|        | Total  |   |
| P116A. | PER CAPITA INCOME IN 1989(1)                                       | 1 |
|        | Universe: Persons of Hispanic origin                               |   |
|        | Per capita income in 1989  |   |

- P117. POVERTY STATUS IN 1989(2) BY AGE(12) 24  
 Universe: Persons for whom poverty status is determined  
 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)
- P118. POVERTY STATUS IN 1989(2) BY SEX(2) BY AGE(7) 28  
 Universe: Persons for whom poverty status is determined  
 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)
- P119. POVERTY STATUS IN 1989(2) BY RACE(5) BY AGE(7) 70  
 Universe: Persons for whom poverty status is determined  
 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)
- P120. POVERTY STATUS IN 1989(2) BY AGE(7) 14  
 Universe: Persons of Hispanic origin for whom poverty status  
 is determined  
 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)

P121. RATIO OF INCOME IN 1989 TO POVERTY LEVEL(9) 9  
 Universe: Persons for whom poverty status is determined  
 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

P122. POVERTY STATUS IN 1989(2) BY AGE(3) BY HOUSEHOLD TYPE AND 54  
 RELATIONSHIP(9)  
 Universe: Persons for whom poverty status is determined  
 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  
 65 to 74 years:  
   (Repeat HOUSEHOLD TYPE AND RELATIONSHIP)  
 75 years and over:  
   (Repeat HOUSEHOLD TYPE AND RELATIONSHIP)  
 Income in 1989 below poverty level:  
   (Repeat AGE By HOUSEHOLD TYPE AND RELATIONSHIP)

P123. POVERTY STATUS IN 1989(2) BY FAMILY TYPE AND PRESENCE AND 24  
 AGE OF CHILDREN(12)  
 Universe: Families  
 Income in 1989 above poverty level:  
   Married-couple family:  
     With related children under 18 years:  
       Under 5 years only  
       5 to 17 years only  
       Under 5 years and 5 to 17 years  
     No related children under 18 years  
   Other family:  
     Male householder, no wife present:  
       With related children under 18 years:

Under 5 years only  
 5 to 17 years only  
 Under 5 years and 5 to 17 years  
 No related children under 18 years  
 Female householder, no husband present:  
 With related children under 18 years:  
 Under 5 years only  
 5 to 17 years only  
 Under 5 years and 5 to 17 years  
 No related children under 18 years  
 Income in 1989 below poverty level:  
 (Repeat FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN)  
 P124A. POVERTY STATUS IN 1989(1) BY RACE OF HOUSEHOLDER(5) BY FAMILY  
 TYPE AND PRESENCE AND AGE OF CHILDREN(12) 60  
 Universe: Families with income in 1989 above poverty level  
 Income in 1989 above poverty level:  
 White:  
 Married-couple family:  
 With related children under 18 years:  
 Under 5 years only  
 5 to 17 years only  
 Under 5 years and 5 to 17 years  
 No related children under 18 years  
 Other family:  
 Male householder, no wife present:  
 With related children under 18 years:  
 Under 5 years only  
 5 to 17 years only  
 Under 5 years and 5 to 17 years  
 No related children under 18 years  
 Female householder, no husband present:  
 With related children under 18 years:  
 Under 5 years only  
 5 to 17 years only  
 Under 5 years and 5 to 17 years  
 No related children under 18 years  
 Black:  
 (Repeat FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN)  
 American Indian, Eskimo, or Aleut:  
 (Repeat FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN)  
 Asian or Pacific Islander:  
 (Repeat FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN)  
 Other race:  
 (Repeat FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN)  
 P124B. POVERTY STATUS IN 1989(1) BY RACE OF HOUSEHOLDER(5) BY FAMILY  
 TYPE AND PRESENCE AND AGE OF CHILDREN(12) 60  
 Universe: Families with income in 1989 below poverty level  
 Income in 1989 above poverty level:  
 White:  
 Married-couple family:  
 With related children under 18 years:  
 Under 5 years only  
 5 to 17 years only  
 Under 5 years and 5 to 17 years  
 No related children under 18 years  
 Other family:  
 Male householder, no wife present:

With related children under 18 years:  
Under 5 years only  
5 to 17 years only  
Under 5 years and 5 to 17 years  
No related children under 18 years  
Female householder, no husband present:  
With related children under 18 years:  
Under 5 years only  
5 to 17 years only  
Under 5 years and 5 to 17 years  
No related children under 18 years

Black:

(Repeat FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN)

American Indian, Eskimo, or Aleut:

(Repeat FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN)

Asian or Pacific Islander:

(Repeat FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN)

Other race:

(Repeat FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN)

P125. POVERTY STATUS IN 1989(2) BY FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN(12)

24

Universe: Families with householder of Hispanic origin  
Income in 1989 above poverty level:

Married-couple family:

With related children under 18 years:

Under 5 years only

5 to 17 years only

Under 5 years and 5 to 17 years

No related children under 18 years

Other family:

Male householder, no wife present:

With related children under 18 years:

Under 5 years only

5 to 17 years only

Under 5 years and 5 to 17 years

No related children under 18 years

Female householder, no husband present:

With related children under 18 years:

Under 5 years only

5 to 17 years only

Under 5 years and 5 to 17 years

No related children under 18 years

Income in 1989 below poverty level:

(Repeat FAMILY TYPE AND PRESENCE AND AGE OF CHILDREN)

P126. POVERTY STATUS IN 1989(2) BY FAMILY TYPE AND AGE(9)

18

Universe: Related children under 18 years

Income in 1989 above poverty level:

In married-couple family:

Under 5 years

5 years

6 to 17 years

In other family:

Male householder, no wife present:

Under 5 years

5 years

6 to 17 years

Female householder, no husband present:

Under 5 years  
 5 years  
 6 to 17 years  
 Income in 1989 below poverty level:  
 (Repeat FAMILY TYPE AND AGE)  
 P127. POVERTY STATUS IN 1989(2) BY AGE OF HOUSEHOLDER(3) BY  
 HOUSEHOLD TYPE(5) 30  
 Universe: Households  
 Income in 1989 above poverty level:  
 Householder 15 to 64 years:  
 Married-couple family  
 Other family:  
     Male householder, no wife present  
     Female householder, no husband present  
 Nonfamily households:  
     Householder living alone  
     Householder not living alone  
 Householder 65 to 74 years:  
 (Repeat HOUSEHOLD TYPE)  
 Householder 75 years and over:  
 (Repeat HOUSEHOLD TYPE)  
 Income in 1989 below poverty level:  
 (Repeat AGE OF HOUSEHOLDER By HOUSEHOLD TYPE)  
 P128. IMPUTATION OF POPULATION ITEMS(3) 3  
 Universe: Persons  
 Filler  
     No items allocated  
     One or more items allocated  
 P129. IMPUTATION OF RELATIONSHIP(2) 2  
 Universe: Persons in households  
 Allocated  
 Not allocated  
 P130. IMPUTATION OF SEX(3) 3  
 Universe: Persons  
 Filler  
     Allocated  
     Not allocated  
 P131. IMPUTATION OF AGE(3) 3  
 Universe: Persons  
 Filler  
     Allocated  
     Not allocated  
 P132. IMPUTATION OF RACE(3) 3  
 Universe: Persons  
 Filler  
     Allocated  
     Not allocated  
 P133. IMPUTATION OF MARITAL STATUS(3) 3  
 Universe: Persons 15 years and over  
 Filler  
     Allocated  
     Not allocated  
 P134. IMPUTATION OF HISPANIC ORIGIN(3) 3  
 Universe: Persons  
 Filler  
     Allocated  
     Not allocated

|       |  |   |
|-------|--|---|
| P135. | IMPUTATION OF GROUP QUARTERS(2)                    | 2 |
|       | Universe: Persons in group quarters                |   |
|       | Allocated  |   |
|       | Not allocated                                      |   |
| P136. | IMPUTATION OF PLACE OF BIRTH(3)                    | 3 |
|       | Universe: Persons                                  |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated                                      |   |
| P137. | IMPUTATION OF CITIZENSHIP(3)                       | 3 |
|       | Universe: Persons                                  |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated                                      |   |
| P138. | IMPUTATION OF YEAR OF ENTRY(3)                     | 3 |
|       | Universe: Foreign-born persons                     |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated                                      |   |
| P139. | IMPUTATION OF SCHOOL ENROLLMENT(3)                 | 3 |
|       | Universe: Persons 3 years and over                 |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated                                      |   |
| P140. | IMPUTATION OF EDUCATIONAL ATTAINMENT(3)            | 3 |
|       | Universe: Persons 18 years and over                |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated                                      |   |
| P141. | IMPUTATION OF EDUCATIONAL ATTAINMENT(3)            | 3 |
|       | Universe: Persons 25 years and over                |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated                                      |   |
| P142. | IMPUTATION OF ANCESTRY(3)                          | 3 |
|       | Universe: Persons                                  |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated                                      |   |
| P143. | IMPUTATION OF MOBILITY STATUS(3)                   | 3 |
|       | Universe: Persons 5 years and over                 |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated                                      |   |
| P144. | IMPUTATION OF RESIDENCE IN 1985(5)                 | 5 |
|       | Universe: Persons 5 years and over                 |   |
|       | Different house in 1985:                           |   |
|       | Filler   |   |
|       | Allocated:   |   |
|       | One or more but not all geographic parts allocated |   |
|       | All geographic parts allocated                     |   |
|       | Not allocated                                      |   |
|       | Same house in 1985                                 |   |
| P145. | IMPUTATION OF LANGUAGE STATUS(3)                   | 3 |
|       | Universe: Persons 5 years and over                 |   |
|       | Filler   |   |
|       | Allocated  |   |



Not allocated

P146. IMPUTATION OF LANGUAGE SPOKEN AT HOME(4) 4  
 Universe: Persons 5 years and over  
 Speak only English  
 Speak other language:  
 Filler  
 Allocated  
 Not allocated

P147. IMPUTATION OF ABILITY TO SPEAK ENGLISH(4) 4  
 Universe: Persons 5 years and over  
 Speak only English  
 Speak other language:  
 Filler  
 Allocated  
 Not allocated

P148. IMPUTATION OF VETERAN STATUS(2) 2  
 Universe: Persons 16 years and over  
 Filler  
 Allocated  
 Not allocated

P149. IMPUTATION OF PERIOD OF MILITARY SERVICE(3) 3  
 Universe: Civilian veterans 16 years and over  
 Filler  
 Allocated  
 Not allocated

P150. IMPUTATION OF WORK DISABILITY STATUS(3) 3  
 Universe: Civilian noninstitutionalized persons 16 years and over  
 Filler  
 Allocated  
 Not allocated

P151. IMPUTATION OF MOBILITY LIMITATION STATUS(3) 3  
 Universe: Civilian noninstitutionalized persons 16 years and over  
 Filler  
 Allocated  
 Not allocated

P152. IMPUTATION OF SELF-CARE LIMITATION STATUS(3) 3  
 Universe: Civilian noninstitutionalized persons 16 years and over  
 Filler  
 Allocated  
 Not allocated

P153. IMPUTATION OF CHILDREN EVER BORN(3) 3  
 Universe: Females 15 years and over  
 Filler  
 Allocated  
 Not allocated

P154. IMPUTATION OF PLACE OF WORK(4) 4  
 Universe: Workers 16 years and over  
 Filler  
 Allocated:  
 One or more but not all geographic parts allocated  
 All geographic parts allocated  
 Not allocated

P155. IMPUTATION OF MEANS OF TRANSPORTATION TO WORK(3) 3  
 Universe: Workers 16 years and over  
 Filler  
 Allocated  
 Not allocated

|       |  |   |
|-------|--|---|
| P156. | IMPUTATION OF PRIVATE VEHICLE OCCUPANCY(4)           | 4 |
|       | Universe: Workers 16 years and over                  |   |
|       | Car, truck, or van:                                  |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated  |   |
|       | Other means  |   |
| P157. | IMPUTATION OF TIME LEAVING HOME TO GO TO WORK(4)     | 4 |
|       | Universe: Workers 16 years and over                  |   |
|       | Did not work at home:                                |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated  |   |
|       | Worked at home                                       |   |
| P158. | IMPUTATION OF TRAVEL TIME TO WORK(4)                 | 4 |
|       | Universe: Workers 16 years and over                  |   |
|       | Did not work at home:                                |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated  |   |
|       | Worked at home                                       |   |
| P159. | IMPUTATION OF EMPLOYMENT STATUS(3)                   | 3 |
|       | Universe: Persons 16 years and over                  |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated  |   |
| P160. | IMPUTATION OF WORK STATUS IN 1989(3)                 | 3 |
|       | Universe: Persons 16 years and over                  |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated  |   |
| P161. | IMPUTATION OF USUAL HOURS WORKED PER WEEK IN 1989(4) | 4 |
|       | Universe: Persons 16 years and over                  |   |
|       | Worked in 1989:                                      |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated  |   |
|       | Did not work in 1989                                 |   |
| P162. | IMPUTATION OF WEEKS WORKED IN 1989(4)                | 4 |
|       | Universe: Persons 16 years and over                  |   |
|       | Worked in 1989:                                      |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated  |   |
|       | Did not work in 1989                                 |   |
| P163. | IMPUTATION OF INDUSTRY(3)                            | 3 |
|       | Universe: Employed persons 16 years and over         |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated  |   |
| P164. | IMPUTATION OF OCCUPATION(3)                          | 3 |
|       | Universe: Employed persons 16 years and over         |   |
|       | Filler   |   |
|       | Allocated  |   |
|       | Not allocated  |   |
| P165. | IMPUTATION OF CLASS OF WORKER(3)                     | 3 |
|       | Universe: Employed persons 16 years and over         |   |

|       |   |   |
|-------|---|---|
|       | Filler  |   |
|       | Allocated   |   |
|       | Not allocated   |   |
| P166. | IMPUTATION OF INCOME IN 1989(3)                         | 3 |
|       | Universe: Persons 15 years and over                     |   |
|       | Filler  |   |
|       | Allocated   |   |
|       | Not allocated   |   |
| P167. | IMPUTATION OF HOUSEHOLD INCOME IN 1989(2)               | 2 |
|       | Universe: Households                                    |   |
|       | Allocated   |   |
|       | Not allocated   |   |
| P168. | IMPUTATION OF FAMILY INCOME IN 1989(2)                  | 2 |
|       | Universe: Families                                      |   |
|       | Allocated   |   |
|       | Not allocated   |   |
| P169. | IMPUTATION OF NONFAMILY HOUSEHOLD INCOME IN 1989(2)     | 2 |
|       | Universe: Nonfamily household allocated                 |   |
|       | Not allocated   |   |
| P170. | IMPUTATION OF POVERTY STATUS IN 1989(3)                 | 3 |
|       | Universe: Persons for whom poverty status is determined |   |
|       | Filler  |   |
|       | Allocated   |   |
|       | Not allocated   |   |
| H1.   | HOUSING UNITS(1)  | 1 |
|       | Universe: Housing units                                 |   |
|       | Total   |   |
| H2.   | UNWEIGHTED SAMPLE COUNT OF HOUSING UNITS(1)             | 1 |
|       | Universe: Housing units                                 |   |
|       | Total   |   |
| H3.   | 100-PERCENT COUNT OF HOUSING UNITS(1)                   | 1 |
|       | Universe: Housing units                                 |   |
|       | Total   |   |
| H3A.  | PERCENT OF HOUSING UNITS IN SAMPLE(1)                   | 1 |
|       | Universe: Housing units                                 |   |
|       | Total   |   |
| H4.   | OCCUPANCY STATUS(2)                                     | 2 |
|       | Universe: Housing units                                 |   |
|       | Occupied  |   |
|       | Vacant  |   |
| H5.   | URBAN AND RURAL(4)                                      | 4 |
|       | Universe: Housing units                                 |   |
|       | Urban:  |   |
|       | Inside urbanized area                                   |   |
|       | Outside urbanized area                                  |   |
|       | Rural:  |   |
|       | Farm  |   |
|       | Nonfarm   |   |
| H6.   | CONDOMINIUM STATUS(2) BY VACANCY STATUS(4)              | 8 |
|       | Universe: Vacant housing units                          |   |
|       | Condominium:  |   |
|       | For rent  |   |
|       | For sale only   |   |
|       | For seasonal, recreational, or occasional use           |   |
|       | All other vacants                                       |   |
|       | Not condominium:  |   |
|       | (Repeat VACANCY STATUS)                                 |   |

|      |  |    |
|------|--|----|
| H7.  | CONDOMINIUM STATUS(2) BY TENURE AND MORTGAGE STATUS(3)<br>Universe: Occupied housing units<br>Condominium:<br>Owner occupied:<br>With a mortgage<br>Not mortgaged<br>Renter occupied<br>Not condominium:<br>(Repeat TENURE AND MORTGAGE STATUS)                                      | 6  |
| H8.  | TENURE(2)<br>Universe: Occupied housing units<br>Owner occupied<br>Renter occupied   | 2  |
| H9.  | RACE OF HOUSEHOLDER(5)<br>Universe: Occupied housing units<br>White<br>Black<br>American Indian, Eskimo, or Aleut<br>Asian or Pacific Islander<br>Other race   | 5  |
| H10. | TENURE(2) BY RACE OF HOUSEHOLDER(5)<br>Universe: Occupied housing units<br>Owner occupied:<br>White<br>Black<br>American Indian, Eskimo, or Aleut<br>Asian or Pacific Islander<br>Other race<br>Renter occupied:<br>(Repeat RACE OF HOUSEHOLDER)                                     | 10 |
| H11. | HISPANIC ORIGIN OF HOUSEHOLDER(2) BY RACE OF HOUSEHOLDER(5)<br>Universe: Occupied housing units<br>Not of Hispanic origin:<br>White<br>Black<br>American Indian, Eskimo, or Aleut<br>Asian or Pacific Islander<br>Other race<br>Hispanic origin:<br>(Repeat RACE OF HOUSEHOLDER)     | 10 |
| H12. | TENURE(2) BY RACE OF HOUSEHOLDER(5)<br>Universe: Occupied housing units with householder of Hispanic origin<br>Owner occupied:<br>White<br>Black<br>American Indian, Eskimo, or Aleut<br>Asian or Pacific Islander<br>Other race<br>Renter occupied:<br>(Repeat RACE OF HOUSEHOLDER) | 10 |
| H13. | TENURE(2) BY AGE OF HOUSEHOLDER(7)<br>Universe: Occupied housing units<br>Owner occupied:<br>15 to 24 years<br>25 to 34 years<br>35 to 44 years<br>45 to 54 years  | 14 |

55 to 64 years  
 65 to 74 years  
 75 years and over  
 Renter occupied:  
 (Repeat AGE OF HOUSEHOLDER)

H14. AGGREGATE PERSONS(1) BY TENURE(2) BY RACE OF HOUSEHOLDER(5) 10  
 Universe: Persons in occupied housing units  
 Total:  
 Owner occupied:  
   White  
   Black  
   American Indian, Eskimo, or Aleut  
   Asian or Pacific Islander  
   Other race  
 Renter occupied:  
 (Repeat RACE OF HOUSEHOLDER)

H15. AGGREGATE PERSONS(1) BY TENURE(2) 2  
 Universe: Persons in occupied housing units with householder of  
   Hispanic origin  
 Total:  
   Owner occupied  
   Renter occupied

H16. ROOMS(9) 9  
 Universe: Housing units  
   1 room  
   2 rooms  
   3 rooms  
   4 rooms  
   5 rooms  
   6 rooms  
   7 rooms  
   8 rooms  
   9 or more rooms

H17. AGGREGATE ROOMS(1) 1  
 Universe: Housing units  
 Total

H18. TENURE(2) BY PERSONS IN UNIT(7) 14  
 Universe: Occupied housing units  
 Owner occupied:  
   1 person  
   2 persons  
   3 persons  
   4 persons  
   5 persons  
   6 persons  
   7 or more persons  
 Renter occupied:  
 (Repeat PERSONS IN UNIT)

H19. AGGREGATE PERSONS(1) BY TENURE(2) 2  
 Universe: Persons in occupied housing units  
 Total:  
   Owner occupied  
   Renter occupied

H20. UNITS IN STRUCTURE(10) 10  
 Universe: Housing units  
   1, detached  
   1, attached

|      |                                     |    |
|------|-------------------------------------|----|
|      | 2                                   |    |
|      | 3 or 4                              |    |
|      | 5 to 9                              |    |
|      | 10 to 19                            |    |
|      | 20 to 49                            |    |
|      | 50 or more                          |    |
|      | Mobile home or trailer              |    |
|      | Other                               |    |
| H21. | UNITS IN STRUCTURE(10)              | 10 |
|      | Universe: Vacant housing units      |    |
|      | 1, detached                         |    |
|      | 1, attached                         |    |
|      | 2                                   |    |
|      | 3 or 4                              |    |
|      | 5 to 9                              |    |
|      | 10 to 19                            |    |
|      | 20 to 49                            |    |
|      | 50 or more                          |    |
|      | Mobile home or trailer              |    |
|      | Other                               |    |
| H22. | TENURE(2) BY UNITS IN STRUCTURE(10) | 20 |
|      | Universe: Occupied housing units    |    |
|      | Owner occupied:                     |    |
|      | 1, detached                         |    |
|      | 1, attached                         |    |
|      | 2                                   |    |
|      | 3 or 4                              |    |
|      | 5 to 9                              |    |
|      | 10 to 19                            |    |
|      | 20 to 49                            |    |
|      | 50 or more                          |    |
|      | Mobile home or trailer              |    |
|      | Other                               |    |
|      | Renter occupied:                    |    |
|      | (Repeat UNITS IN STRUCTURE)         |    |
| H23. | SOURCE OF WATER(4)                  | 4  |
|      | Universe: Housing units             |    |
|      | Public system or private company    |    |
|      | Individual well:                    |    |
|      | Drilled                             |    |
|      | Dug                                 |    |
|      | Some other source                   |    |
| H24. | SEWAGE DISPOSAL(3)                  | 3  |
|      | Universe: Housing units             |    |
|      | Public sewer                        |    |
|      | Septic tank or cesspool             |    |
|      | Other means                         |    |
| H25. | YEAR STRUCTURE BUILT(8)             | 8  |
|      | Universe: Housing units             |    |
|      | 1989 to March 1990                  |    |
|      | 1985 to 1988                        |    |
|      | 1980 to 1984                        |    |
|      | 1970 to 1979                        |    |
|      | 1960 to 1969                        |    |
|      | 1950 to 1959                        |    |
|      | 1940 to 1949                        |    |
|      | 1939 or earlier                     |    |

|       |  |    |
|-------|--|----|
| H25A. | MEDIAN YEAR STRUCTURE BUILT(1)                   | 1  |
|       | Universe: Housing units                          |    |
|       | Median year structure built                      |    |
| H26.  | YEAR STRUCTURE BUILT(8)                          | 8  |
|       | Universe: Vacant housing units                   |    |
|       | 1989 to March 1990                               |    |
|       | 1985 to 1988                                     |    |
|       | 1980 to 1984                                     |    |
|       | 1970 to 1979                                     |    |
|       | 1960 to 1969                                     |    |
|       | 1950 to 1959                                     |    |
|       | 1940 to 1949                                     |    |
|       | 1939 or earlier                                  |    |
| H27.  | TENURE(2) BY YEAR STRUCTURE BUILT(8)             | 16 |
|       | Universe: Occupied housing units                 |    |
|       | Owner occupied:                                  |    |
|       | 1989 to March 1990                               |    |
|       | 1985 to 1988                                     |    |
|       | 1980 to 1984                                     |    |
|       | 1970 to 1979                                     |    |
|       | 1960 to 1969                                     |    |
|       | 1950 to 1959                                     |    |
|       | 1940 to 1949                                     |    |
|       | 1939 or earlier                                  |    |
|       | Renter occupied:                                 |    |
|       | (Repeat YEAR STRUCTURE BUILT)                    |    |
| H28.  | YEAR HOUSEHOLDER MOVED INTO UNIT(6)              | 6  |
|       | Universe: Occupied housing units                 |    |
|       | 1989 to March 1990                               |    |
|       | 1985 to 1988                                     |    |
|       | 1980 to 1984                                     |    |
|       | 1970 to 1979                                     |    |
|       | 1960 to 1969                                     |    |
|       | 1959 or earlier                                  |    |
| H29.  | TENURE(2) BY YEAR HOUSEHOLDER MOVED INTO UNIT(6) | 12 |
|       | Universe: Occupied housing units                 |    |
|       | Owner occupied:                                  |    |
|       | 1989 to March 1990                               |    |
|       | 1985 to 1988                                     |    |
|       | 1980 to 1984                                     |    |
|       | 1970 to 1979                                     |    |
|       | 1960 to 1969                                     |    |
|       | 1959 or earlier                                  |    |
|       | Renter occupied:                                 |    |
|       | (Repeat YEAR HOUSEHOLDER MOVED INTO UNIT)        |    |
| H30.  | HOUSE HEATING FUEL(9)                            | 9  |
|       | Universe: Occupied housing units                 |    |
|       | Utility gas                                      |    |
|       | Bottled, tank, or LP gas                         |    |
|       | Electricity                                      |    |
|       | Fuel oil, kerosene, etc.                         |    |
|       | Coal or coke                                     |    |
|       | Wood   |    |
|       | Solar energy                                     |    |
|       | Other fuel                                       |    |
|       | No fuel used                                     |    |

|      |  |    |
|------|--|----|
| H31. | BEDROOMS(6)<br>Universe: Housing units<br>No bedroom<br>1 bedroom<br>2 bedrooms<br>3 bedrooms<br>4 bedrooms<br>5 or more bedrooms  | 6  |
| H32. | BEDROOMS(6)<br>Universe: Vacant housing units<br>No bedroom<br>1 bedroom<br>2 bedrooms<br>3 bedrooms<br>4 bedrooms<br>5 or more bedrooms   | 6  |
| H33. | TENURE(2) BY BEDROOMS(6)<br>Universe: Occupied housing units<br>Owner occupied:<br>No bedroom<br>1 bedroom<br>2 bedrooms<br>3 bedrooms<br>4 bedrooms<br>5 or more bedrooms<br>Renter occupied:<br>(Repeat BEDROOMS)  | 12 |
| H34. | BEDROOMS(4) BY GROSS RENT(7)<br>Universe: Specified renter-occupied housing units<br>No bedroom:<br>With cash rent:<br>Less than \$200<br>\$200 to \$299<br>\$300 to \$499<br>\$500 to \$749<br>\$750 to \$999<br>\$1,000 or more<br>No cash rent<br>1 bedroom:<br>(Repeat GROSS RENT)<br>2 bedrooms:<br>(Repeat GROSS RENT)<br>3 or more bedrooms:<br>(Repeat GROSS RENT) | 28 |
| H35. | TENURE(2) BY TELEPHONE IN HOUSING UNIT(2)<br>Universe: Occupied housing units<br>Owner occupied:<br>With telephone<br>No telephone<br>Renter occupied:<br>(Repeat TELEPHONE IN HOUSING UNIT)   | 4  |
| H36. | AGE OF HOUSEHOLDER(4) BY TELEPHONE IN HOUSING UNIT(2)<br>Universe: Occupied housing units<br>15 to 59 years:<br>With telephone<br>No telephone<br>60 to 64 years:  | 8  |



(Repeat TELEPHONE IN HOUSING UNIT)  
65 to 74 years:  
(Repeat TELEPHONE IN HOUSING UNIT)  
75 years and over:  
(Repeat TELEPHONE IN HOUSING UNIT)

H37. TENURE(2) BY VEHICLES AVAILABLE(6) 12  
Universe: Occupied housing units  
Owner occupied:  
None  
1  
2  
3  
4  
5 or more  
Renter occupied:  
(Repeat VEHICLES AVAILABLE)

H38. AGGREGATE VEHICLES AVAILABLE(1) BY TENURE(2) 2  
Universe: Occupied housing units  
Total:  
Owner occupied  
Renter occupied

H39. RACE OF HOUSEHOLDER(5) BY VEHICLES AVAILABLE(2) 10  
Universe: Occupied housing units  
White:  
None  
1 or more  
Black:  
(Repeat VEHICLES AVAILABLE)  
American Indian, Eskimo, or Aleut:  
(Repeat VEHICLES AVAILABLE)  
Asian or Pacific Islander:  
(Repeat VEHICLES AVAILABLE)  
Other race:  
(Repeat VEHICLES AVAILABLE)

H40. VEHICLES AVAILABLE(2) 2  
Universe: Occupied housing units with householder of Hispanic origin  
None  
1 or more

H41. AGE OF HOUSEHOLDER(2) BY VEHICLES AVAILABLE(2) 4  
Universe: Occupied housing units  
15 to 64 years:  
None  
1 or more  
65 years and over:  
(Repeat VEHICLES AVAILABLE)

H42. KITCHEN FACILITIES(2) 2  
Universe: Housing units  
Complete kitchen facilities  
Lacking complete kitchen facilities

H43. GROSS RENT(17) 17  
Universe: Specified renter-occupied housing units  
With cash rent:  
Less than \$100  
\$100 to \$149  
\$150 to \$199  
\$200 to \$249  
\$250 to \$299

|       |  |    |
|-------|--|----|
|       | \$300 to \$349   |    |
|       | \$350 to \$399   |    |
|       | \$400 to \$449   |    |
|       | \$450 to \$499   |    |
|       | \$500 to \$549   |    |
|       | \$550 to \$599   |    |
|       | \$600 to \$649   |    |
|       | \$650 to \$699   |    |
|       | \$700 to \$749   |    |
|       | \$750 to \$999   |    |
|       | \$1,000 or more  |    |
|       | No cash rent   |    |
| H43A. | MEDIAN GROSS RENT(1)   | 1  |
|       | Universe: Specified renter-occupied housing units paying cash rent |    |
|       | Median gross rent  |    |
| H44.  | AGGREGATE GROSS RENT(1)  | 1  |
|       | Universe: Specified renter-occupied housing units paying cash rent |    |
|       | Total  |    |
| H45.  | RACE OF HOUSEHOLDER(5) BY GROSS RENT(7)                            | 35 |
|       | Universe: Specified renter-occupied housing units                  |    |
|       | White:   |    |
|       | With cash rent:  |    |
|       | Less than \$200  |    |
|       | \$200 to \$299   |    |
|       | \$300 to \$499   |    |
|       | \$500 to \$749   |    |
|       | \$750 to \$999   |    |
|       | \$1,000 or more  |    |
|       | No cash rent   |    |
|       | Black:   |    |
|       | (Repeat GROSS RENT)  |    |
|       | American Indian, Eskimo, or Aleut:                                 |    |
|       | (Repeat GROSS RENT)  |    |
|       | Asian or Pacific Islander:   |    |
|       | (Repeat GROSS RENT)  |    |
|       | Other race:  |    |
|       | (Repeat GROSS RENT)  |    |
| H46.  | HISPANIC ORIGIN(2) BY GROSS RENT(7)                                | 14 |
|       | Universe: Specified renter-occupied housing units                  |    |
|       | Not of Hispanic origin:  |    |
|       | With cash rent:  |    |
|       | Less than \$200  |    |
|       | \$200 to \$299   |    |
|       | \$300 to \$499   |    |
|       | \$500 to \$749   |    |
|       | \$750 to \$999   |    |
|       | \$1,000 or more  |    |
|       | No cash rent   |    |
|       | Hispanic origin:   |    |
|       | (Repeat GROSS RENT)  |    |
| H47.  | MEALS INCLUDED IN RENT(2)  | 2  |
|       | Universe: Specified renter-occupied housing units paying cash rent |    |
|       | Meals included in rent   |    |
|       | No meals included in rent  |    |
| H48.  | AGGREGATE GROSS RENT(1) BY MEALS INCLUDED IN RENT(2)               | 2  |
|       | Universe: Specified renter-occupied housing units paying cash rent |    |
|       | Total:   |    |

|       |  |    |
|-------|--|----|
|       | Meals included in rent   |    |
|       | No meals included in rent  |    |
| H49.  | INCLUSION OF UTILITIES IN RENT(2)                                | 2  |
|       | Universe: Specified renter-occupied housing units                |    |
|       | Pay extra for 1 or more utilities                                |    |
|       | No extra payment for any utilities                               |    |
| H50.  | HOUSEHOLD INCOME IN 1989(5) BY GROSS RENT AS A PERCENTAGE OF     | 30 |
|       | HOUSEHOLD INCOME IN 1989(6)                                      |    |
|       | Universe: Specified renter-occupied housing units                |    |
|       | Less than \$10,000:  |    |
|       | Less than 20 percent   |    |
|       | 20 to 24 percent   |    |
|       | 25 to 29 percent   |    |
|       | 30 to 34 percent   |    |
|       | 35 percent or more   |    |
|       | Not computed   |    |
|       | \$10,000 to \$19,999:  |    |
|       | (Repeat GROSS RENT AS A PERCENTAGE OF HOUSEHOLD INCOME           |    |
|       | IN 1989)   |    |
|       | \$20,000 to \$34,999:  |    |
|       | (Repeat GROSS RENT AS A PERCENTAGE OF HOUSEHOLD INCOME           |    |
|       | IN 1989)   |    |
|       | \$35,000 to \$49,999:  |    |
|       | (Repeat GROSS RENT AS A PERCENTAGE OF HOUSEHOLD INCOME           |    |
|       | IN 1989)   |    |
|       | \$50,000 or more:  |    |
|       | (Repeat GROSS RENT AS A PERCENTAGE OF HOUSEHOLD INCOME           |    |
|       | IN 1989)   |    |
| H50A. | MEDIAN GROSS RENT AS A PERCENTAGE OF HOUSEHOLD INCOME            | 1  |
|       | IN 1989(1)   |    |
|       | Universe: Specified renter-occupied housing units paying         |    |
|       | cash rent  |    |
|       | Median gross rent as a percentage of household income in 1989    |    |
| H51.  | AGE OF HOUSEHOLDER(2) BY GROSS RENT AS A PERCENTAGE OF HOUSEHOLD | 12 |
|       | INCOME IN 1989(6)  |    |
|       | Universe: Specified renter-occupied housing units                |    |
|       | 15 to 64 years:  |    |
|       | Less than 20 percent   |    |
|       | 20 to 24 percent   |    |
|       | 25 to 29 percent   |    |
|       | 30 to 34 percent   |    |
|       | 35 percent or more   |    |
|       | Not computed   |    |
|       | 65 years and over:   |    |
|       | (Repeat GROSS RENT AS A PERCENTAGE OF HOUSEHOLD INCOME           |    |
|       | IN 1989)   |    |
| H52.  | MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS(21)             | 21 |
|       | Universe: Specified owner-occupied housing units                 |    |
|       | With a mortgage:   |    |
|       | Less than \$200  |    |
|       | \$200 to \$299   |    |
|       | \$300 to \$399   |    |
|       | \$400 to \$499   |    |
|       | \$500 to \$599   |    |
|       | \$600 to \$699   |    |
|       | \$700 to \$799   |    |
|       | \$800 to \$899   |    |

\$900 to \$999  
 \$1,000 to \$1,249  
 \$1,250 to \$1,499  
 \$1,500 to \$1,999  
 \$2,000 or more  
 Not mortgaged:  
   Less than \$100  
   \$100 to \$149  
   \$150 to \$199  
   \$200 to \$249  
   \$250 to \$299  
   \$300 to \$349  
   \$350 to \$399  
   \$400 or more

H52A. MEDIAN SELECTED MONTHLY OWNER COSTS AND MORTGAGE STATUS(2) 2  
   Universe: Specified owner-occupied housing units  
     With a mortgage  
     Not mortgaged

H53. AGGREGATE SELECTED MONTHLY OWNER COSTS(1) BY MORTGAGE STATUS(2) 2  
   Universe: Specified owner-occupied housing units  
   Total:  
     With a mortgage  
     Not mortgaged

H54. RACE OF HOUSEHOLDER(5) BY MORTGAGE STATUS AND SELECTED MONTHLY  
   OWNER COSTS(11) 55  
   Universe: Specified owner-occupied housing units  
   White:  
     With a mortgage:  
       Less than \$300  
       \$300 to \$499  
       \$500 to \$699  
       \$700 to \$999  
       \$1,000 to \$1,499  
       \$1,500 or more  
     Not mortgaged:  
       Less than \$100  
       \$100 to \$199  
       \$200 to \$299  
       \$300 to \$399  
       \$400 or more  
   Black:  
     (Repeat MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS)  
   American Indian, Eskimo, or Aleut:  
     (Repeat MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS)  
   Asian or Pacific Islander:  
     (Repeat MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS)  
   Other race:  
     (Repeat MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS)

H55. MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS(11) 11  
   Universe: Specified owner-occupied housing units with householder of  
   Hispanic origin  
     With a mortgage:  
       Less than \$300  
       \$300 to \$499  
       \$500 to \$699  
       \$700 to \$999  
       \$1,000 to \$1,499

\$1,500 or more  
 Not mortgaged:  
   Less than \$100  
   \$100 to \$199  
   \$200 to \$299  
   \$300 to \$399  
   \$400 or more

H56. AGGREGATE SELECTED MONTHLY OWNER COSTS(1) BY MORTGAGE STATUS(2) 2  
 Universe: Owner-occupied mobile homes or trailers  
 Total:  
   With a mortgage  
   Not mortgaged

H57. AGGREGATE SELECTED MONTHLY OWNER COSTS(1) BY MORTGAGE STATUS(2) 2  
 Universe: Owner-occupied condominium housing units  
 Total:  
   With a mortgage  
   Not mortgaged

H58. MORTGAGE STATUS(2) BY SELECTED MONTHLY OWNER COSTS AS A 12  
       PERCENTAGE OF HOUSEHOLD INCOME IN 1989(6)  
 Universe: Specified owner-occupied housing units  
 With a mortgage:  
   Less than 20 percent  
   20 to 24 percent  
   25 to 29 percent  
   30 to 34 percent  
   35 percent or more  
   Not computed  
 Not mortgaged:  
   (Repeat SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD  
       INCOME IN 1989)

H58A. MEDIAN SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF 2  
       HOUSEHOLD INCOME IN 1989 AND MORTGAGE STATUS(2)  
 Universe: Specified owner-occupied housing units  
 With a mortgage  
 Not mortgaged

H59. HOUSEHOLD INCOME IN 1989(5) BY SELECTED MONTHLY OWNER COSTS AS A 30  
       PERCENTAGE OF HOUSEHOLD INCOME IN 1989(6)  
 Universe: Specified owner-occupied housing units  
 Less than \$10,000:  
   Less than 20 percent  
   20 to 24 percent  
   25 to 29 percent  
   30 to 34 percent  
   35 percent or more  
   Not computed  
 \$10,000 to \$19,999:  
   (Repeat SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF  
       HOUSEHOLD INCOME IN 1989)  
 \$20,000 to \$34,999:  
   (Repeat SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF  
       HOUSEHOLD INCOME IN 1989)  
 \$35,000 to \$49,999:  
   (Repeat SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF  
       HOUSEHOLD INCOME IN 1989)  
 \$50,000 or more:  
   (Repeat SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF  
       HOUSEHOLD INCOME IN 1989)

|       |  |    |
|-------|--|----|
| H60.  | AGE OF HOUSEHOLDER(2) BY SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD INCOME IN 1989(6) | 12 |
|       | Universe: Specified owner-occupied housing units   |    |
|       | 15 to 64 years:  |    |
|       | Less than 20 percent   |    |
|       | 20 to 24 percent   |    |
|       | 25 to 29 percent   |    |
|       | 30 to 34 percent   |    |
|       | 35 percent or more   |    |
|       | Not computed   |    |
|       | 65 years and over:   |    |
|       | (Repeat SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD INCOME IN 1989)                    |    |
| H61.  | VALUE(20)  | 20 |
|       | Universe: Specified owner-occupied housing units   |    |
|       | Less than \$15,000   |    |
|       | \$15,000 to \$19,999   |    |
|       | \$20,000 to \$24,999   |    |
|       | \$25,000 to \$29,999   |    |
|       | \$30,000 to \$34,999   |    |
|       | \$35,000 to \$39,999   |    |
|       | \$40,000 to \$44,999   |    |
|       | \$45,000 to \$49,999   |    |
|       | \$50,000 to \$59,999   |    |
|       | \$60,000 to \$74,999   |    |
|       | \$75,000 to \$99,999   |    |
|       | \$100,000 to \$124,999   |    |
|       | \$125,000 to \$149,999   |    |
|       | \$150,000 to \$174,999   |    |
|       | \$175,000 to \$199,999   |    |
|       | \$200,000 to \$249,999   |    |
|       | \$250,000 to \$299,999   |    |
|       | \$300,000 to \$399,999   |    |
|       | \$400,000 to \$499,999   |    |
|       | \$500,000 or more  |    |
| H61A. | MEDIAN VALUE(1)  | 1  |
|       | Universe: Specified owner-occupied housing units   |    |
|       | Median value   |    |
| H62.  | AGGREGATE VALUE(1) BY MORTGAGE STATUS(2)   | 2  |
|       | Universe: Specified owner-occupied housing units   |    |
|       | Total:   |    |
|       | With a mortgage  |    |
|       | Not mortgaged  |    |
| H63.  | AGGREGATE HOUSEHOLD INCOME IN 1989(1) BY TENURE AND MORTGAGE STATUS(3)                               | 3  |
|       | Universe: Occupied housing units   |    |
|       | Total:   |    |
|       | Owner occupied:  |    |
|       | With a mortgage  |    |
|       | Not mortgaged  |    |
|       | Renter occupied  |    |
| H64.  | PLUMBING FACILITIES(2)   | 2  |
|       | Universe: Housing units  |    |
|       | Complete plumbing facilities   |    |
|       | Lacking complete plumbing facilities   |    |
| H65.  | PLUMBING FACILITIES(2)   | 2  |
|       | Universe: Vacant housing units   |    |

Complete plumbing facilities  
Lacking complete plumbing facilities

H66. RACE OF HOUSEHOLDER(5) BY PLUMBING FACILITIES(2) 10  
Universe: Occupied housing units  
White:  
Complete plumbing facilities  
Lacking complete plumbing facilities  
Black:  
(Repeat PLUMBING FACILITIES)  
American Indian, Eskimo, or Aleut:  
(Repeat PLUMBING FACILITIES)  
Asian or Pacific Islander:  
(Repeat PLUMBING FACILITIES)  
Other race:  
(Repeat PLUMBING FACILITIES)

H67. PLUMBING FACILITIES(2) 2  
Universe: Occupied housing units with householder of Hispanic origin  
Complete plumbing facilities  
Lacking complete plumbing facilities

H68. AGE OF HOUSEHOLDER(2) BY PLUMBING FACILITIES(2) 4  
Universe: Occupied housing units  
15 to 64 years:  
Complete plumbing facilities  
Lacking complete plumbing facilities  
65 years and over:  
(Repeat PLUMBING FACILITIES)

H69. TENURE(2) BY PLUMBING FACILITIES(2) BY PERSONS PER ROOM(3) 12  
Universe: Occupied housing units  
Owner occupied:  
Complete plumbing facilities:  
1. 00 or less  
1. 01 to 1. 50  
1. 51 or more  
Lacking complete plumbing facilities:  
(Repeat PERSONS PER ROOM)  
Renter occupied:  
(Repeat PLUMBING FACILITIES By PERSONS PER ROOM)

H70. PLUMBING FACILITIES(2) BY UNITS IN STRUCTURE(10) 20  
Universe: Housing units  
Complete plumbing facilities:  
1, detached  
1, attached  
2  
3 or 4  
5 to 9  
10 to 19  
20 to 49  
50 or more  
Mobile home or trailer  
Other  
Lacking complete plumbing facilities:  
(Repeat UNITS IN STRUCTURE)

H71. PLUMBING FACILITIES(2) BY PERSONS PER ROOM(2) BY YEAR STRUCTURE BUILT(2) 8  
Universe: Occupied housing units  
Complete plumbing facilities:  
1. 00 or less:

1940 to March 1990  
 1939 or earlier  
 1. 01 or more:  
 (Repeat YEAR STRUCTURE BUILT)  
 Lacking complete plumbing facilities:  
 (Repeat PERSONS PER ROOM By YEAR STRUCTURE BUILT)

|      |   |   |
|------|---|---|
| H72. | IMPUTATION OF HOUSING ITEMS(2)                    | 2 |
|      | Universe: Housing units                           |   |
|      | No items allocated                                |   |
|      | One or more items allocated                       |   |
| H73. | IMPUTATION OF CONDOMINIUM STATUS(2)               | 2 |
|      | Universe: Housing units                           |   |
|      | Allocated   |   |
|      | Not allocated                                     |   |
| H74. | IMPUTATION OF PLUMBING FACILITIES(2)              | 2 |
|      | Universe: Housing units                           |   |
|      | Allocated   |   |
|      | Not allocated                                     |   |
| H75. | IMPUTATION OF SOURCE OF WATER(2)                  | 2 |
|      | Universe: Housing units                           |   |
|      | Allocated   |   |
|      | Not allocated                                     |   |
| H76. | IMPUTATION OF SEWAGE DISPOSAL(2)                  | 2 |
|      | Universe: Housing units                           |   |
|      | Allocated   |   |
|      | Not allocated                                     |   |
| H77. | IMPUTATION OF YEAR STRUCTURE BUILT(2)             | 2 |
|      | Universe: Housing units                           |   |
|      | Allocated   |   |
|      | Not allocated                                     |   |
| H78. | IMPUTATION OF YEAR HOUSEHOLDER MOVED INTO UNIT(2) | 2 |
|      | Universe: Occupied housing units                  |   |
|      | Allocated   |   |
|      | Not allocated                                     |   |
| H79. | IMPUTATION OF HOUSE HEATING FUEL(2)               | 2 |
|      | Universe: Occupied housing units                  |   |
|      | Allocated   |   |
|      | Not allocated                                     |   |
| H80. | IMPUTATION OF KITCHEN FACILITIES(2)               | 2 |
|      | Universe: Housing units                           |   |
|      | Allocated   |   |
|      | Not allocated                                     |   |
| H81. | IMPUTATION OF BEDROOMS(2)                         | 2 |
|      | Universe: Housing units                           |   |
|      | Allocated   |   |
|      | Not allocated                                     |   |
| H82. | IMPUTATION OF TELEPHONE IN HOUSING UNIT(2)        | 2 |
|      | Universe: Occupied housing units                  |   |
|      | Allocated   |   |
|      | Not allocated                                     |   |
| H83. | IMPUTATION OF VEHICLES AVAILABLE(2)               | 2 |
|      | Universe: Occupied housing units                  |   |
|      | Allocated   |   |
|      | Not allocated                                     |   |
| H84. | IMPUTATION OF MORTGAGE STATUS(2)                  | 2 |
|      | Universe: Specified owner-occupied housing units  |   |



|      |  |   |
|------|--|---|
|      | Allocated  |   |
|      | Not allocated  |   |
| H85. | IMPUTATION OF TENURE(2)  | 2 |
|      | Universe: Occupied housing units                                   |   |
|      | Allocated  |   |
|      | Not allocated  |   |
| H86. | IMPUTATION OF VACANCY STATUS(2)                                    | 2 |
|      | Universe: Vacant housing units                                     |   |
|      | Allocated  |   |
|      | Not allocated  |   |
| H87. | IMPUTATION OF ROOMS(2)   | 2 |
|      | Universe: Housing units  |   |
|      | Allocated  |   |
|      | Not allocated  |   |
| H88. | IMPUTATION OF UNITS IN STRUCTURE(2)                                | 2 |
|      | Universe: Housing units  |   |
|      | Allocated  |   |
|      | Not allocated  |   |
| H89. | IMPUTATION OF VALUE(2)   | 2 |
|      | Universe: Specified owner-occupied housing units                   |   |
|      | Allocated  |   |
|      | Not allocated  |   |
| H90. | IMPUTATION OF MEALS INCLUDED IN RENT(2)                            | 2 |
|      | Universe: Specified renter-occupied housing units paying cash rent |   |
|      | Allocated  |   |
|      | Not allocated  |   |
| H91. | IMPUTATION OF GROSS RENT(2)  | 2 |
|      | Universe: Specified renter-occupied housing units                  |   |
|      | Allocated  |   |
|      | Not allocated  |   |
| H92. | IMPUTATION OF MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS(4)  | 4 |
|      | Universe: Specified owner-occupied housing units                   |   |
|      | With a mortgage:   |   |
|      | Allocated  |   |
|      | Not allocated  |   |
|      | Not mortgaged:   |   |
|      | Allocated  |   |
|      | Not allocated  |   |

**SUMMARY LEVEL SEQUENCE CHARTS  
STF 3A**

| Summary level area   | Summary level code | Geographic component code |
|--|--------------------|---------------------------|
| State  | 040                | 00 40<br>42-44            |
| State--County  | 050                | 00                        |
| State--County--County Subdivision  | 060                | 00                        |
| State--County--County Subdivision--Place/Remainder   | 070                | 00                        |
| State--County--County Subdivision--Place/<br>Remainder--Census Tract/Block Numbering Area  | 080                | 00                        |
| State--County--County Subdivision--Place/<br>Remainder--Census Tract/Block Numbering<br>Area--American Indian/Alaska Native<br>Area/Remainder--Reservation/Trust Lands/<br>Remainder--Alaska Native Regional<br>Corporation/Remainder--Urbanized Area/<br>Remainder--Urban/Rural--Congressional<br>District--Block Group | 090                | 00                        |
| State--County--Census Tract/Block Numbering Area   | 140                | 00                        |
| State--County--Census Tract/Block Numbering Area--<br>Block Group  | 150                | 00                        |
| State--Place--County   | 155                | 00                        |
| State--Place   | 160                | 00                        |
| State--Consolidated City   | 170                | 00                        |
| State--American Indian Reservation with Trust Lands  | 210                | 00                        |
| State--American Indian Reservation with Trust Lands;<br>reservation only   | 211                | 00                        |
| American Indian Reservation [reservation with or<br>without trust lands; reservation only]/Tribal<br>Jurisdiction Statistical Area/Tribal Designated<br>Statistical Area/Alaska Native Village Statistical<br>Area-State-County  | 220                | 00                        |
| State--American Indian Reservation with Trust Lands;<br>trust lands only   | 212                | 00                        |
| American Indian Trust Lands [trust lands with or<br>without reservation; trust lands only]-State-County  | 221                | 00                        |

|   |     |    |
|---|-----|----|
| State--American Indian Reservation with no Trust Lands/Tribal Jurisdiction Statistical Area/Tribal Designated Statistical Area/Alaska Native Village Statistical Area   | 215 | 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 |
| State--American Indian Trust Lands [trust lands with no reservation]  | 216 | 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 |
| State--Metropolitan Statistical Area/Consolidated Metropolitan Statistical Area   | 319 | 00 |
| Metropolitan Statistical Area [no CMSAs]-State-Central City   | 340 | 00 |
| Metropolitan Statistical Area [no CMSAs]-State-County   | 329 | 00 |
| State--Consolidated Metropolitan Statistical Area-Primary Metropolitan Statistical Area   | 321 | 00 |
| Consolidated Metropolitan Statistical Area-Primary Metropolitan Statistical Area-State-Central City   | 341 | 00 |
| Consolidated Metropolitan Statistical Area-Primary Metropolitan Statistical Area-State-County   | 331 | 00 |
| State--Urbanized Area   | 420 | 00 |
| Urbanized Area--State-Central Place   | 460 | 00 |
| Urbanized Area--State-County  | 430 | 00 |
| Urbanized Area--State-County-County Subdivision   | 440 | 00 |
| Urbanized Area--State-County-County Subdivision-Place   | 450 | 00 |
| STF 3B  |     |    |
| ZIP Code  | 800 | 00 |
| ZIP Code--State   | 810 | 00 |
| ZIP Code--State-County  | 820 | 00 |

## STF 3C

|   |     |  |
|---|-----|--|
| United States   | 010 | 00 01-11<br>20-28<br>30-36 40<br>42-44 |
| Region  | 020 | 00 01-11<br>20-28<br>30-36 40<br>42-44 |
| Division  | 030 | 00 01-11<br>20-28<br>30-36 40<br>42-44 |
| State   | 040 | 00 01-11<br>20-28<br>30-36 40<br>42-44 |
| State--County   | 050 | 00                                     |
| State [12 States only--CT, ME, MA, MI, MN,<br>NH, NJ, NY, PA, RI, VT, WI] County Subdivision<br>[10,000 or more persons]  | 061 | 00                                     |
| State [6 States only--CT, ME, MA, NH, RI, VT]-County<br>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;<br>reservation only   | 201 | 00                                     |
| American Indian Reservation with Trust Lands;<br>reservation only-State   | 205 | 00                                     |
| American Indian Reservation [reservation with or<br>without-trust lands; reservation only]/Tribal<br>Jurisdiction Statistical Area/Tribal Designated<br>Statistical Area/Alaska Native Village Statistical<br>Area-State-County | 220 | 00                                     |
| American Indian Reservation with Trust Lands; trust<br>lands only   | 202 | 00                                     |
| American Indian Reservation with Trust Lands; trust<br>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 |       |
| 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 State no reservation]   | 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 |

**CENSUS OF POPULATION AND HOUSING, 1990:  
SUMMARY TAPE FILE 3 ON CD-ROM**

**USER NOTE 1**

Age Reporting--Review of detailed 1990 information indicated that respondents tended to provide their age as of the date of completion of the questionnaire, not their age as of April 1, 1990. In addition, there may have been a tendency for respondents to round up their age if they were close to having a birthday. It is likely that approximately 10 percent of persons in most age groups are actually 1 year younger. For most single years of age, the misstatements are largely offsetting. The problem is most pronounced at age 0 because persons lost to age 1 may not have been fully offset by the inclusion of babies born after April 1, 1990 and because there may have been more rounding up to age 1 to avoid reporting age as 0 years. (Age in completed months was not collected for infants under age 1.)

The reporting of age 1 year older than age on April 1, 1990 is likely to have been greater in areas where the census data were collected later in 1990. The magnitude of this problem was much less in the three previous censuses where age was typically derived from respondent data on year of birth and quarter of birth. (For more information on the design of the age question, see the discussion on comparability under "Age" in appendix B.)

April 1992

**CENSUS OF POPULATION AND HOUSING, 1990:  
SUMMARY TAPE FILE 3 ON CD-ROM**

**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.

April 1992

CENSUS OF POPULATION AND HOUSING, 1990:  
SUMMARY TAPE FILE 3 ON CD-ROM

USER NOTE 3

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

**DATA DICTIONARY**

CONTENTS

|                        |    |
|------------------------|----|
| Identification Section | 1  |
| Table (Matrix) Section | 13 |

IDENTIFICATION SECTION

| Field name | Data dictionary reference name | Field size | Starting position | Data type |
|------------|--------------------------------|------------|-------------------|-----------|
|------------|--------------------------------|------------|-------------------|-----------|

Record Codes

|                        |        |   |   |     |
|------------------------|--------|---|---|-----|
| File Identification(1) | FILEID | 8 | 1 | A/N |
| State/US Abbreviation  | STUSAB | 2 | 9 | A   |

---

|    |                      |    |               |    |                |    |                       |
|----|----------------------|----|---------------|----|----------------|----|-----------------------|
| AK | Alaska               | ID | Idaho         | NC | North Carolina | SC | South Carolina        |
| AL | Alabama              | IL | Illinois      | ND | North Dakota   | SD | South Dakota          |
| AR | Arkansas             | IN | Indiana       | NE | Nebraska       | TN | Tennessee             |
| AZ | Arizona              | KS | Kansas        | NH | New Hampshire  | TX | Texas                 |
| CA | California           | KY | Kentucky      | NJ | New Jersey     | US | United States         |
| CO | Colorado             | LA | Louisiana     | NM | New Mexico     | UT | Utah                  |
| CT | Connecticut          | MA | Massachusetts | NV | Nevada         | VA | Virginia              |
| DC | District of Columbia | MD | Maryland      | NY | New York       | VI | Virgin Islands of the |
| DE | Delaware             | MI | Michigan      | OH | Ohio           |    | United States         |
| FL | Florida              | MN | Minnesota     | OK | Oklahoma       | VT | Vermont               |
| GA | Georgia              | MO | Missouri      | OR | Oregon         | WA | Washington            |
| HI | Hawaii               | MS | Mississippi   | PA | Pennsylvania   | WI | Wisconsin             |
| IA | Iowa                 | MT | Montana       | PR | Puerto Rico    | WV | West Virginia         |
|    |                      |    |               | RI | Rhode Island   | WY | Wyoming               |

---

|                         |         |   |    |   |
|-------------------------|---------|---|----|---|
| Summary Level(2)        | SUMLEV  | 3 | 11 | N |
| Geographic Component(3) | GEOCOMP | 2 | 14 | N |

---

- 00 Not a geographic component
- 01 Urban
- 02 Urban-in urbanized area
- 03 Urban-in urbanized area-in urbanized area central place
- 04 Urban-in urbanized area-not in urbanized area central place
- 05 Urban-not in urbanized area
- 06 Urban-not in urbanized area-place [10,000 or more persons]
- 07 Urban-not in urbanized area-place [2,500 to 9,999 persons]
- 08 Rural
- 09 Rural-place [1,000 to 2,499 population, not in an extended city]
- 10 Rural-place [0 to 999 population, not in an extended city]
- 11 Rural-not in place [or rural part of extended city]
- 12 Rural-farm
- 13 Urban portion of extended city
- 14 Rural portion of extended city

- 20 In metropolitan statistical area/consolidated metropolitan statistical area
- 21 In metropolitan statistical area/consolidated metropolitan statistical area-urban
- 22 In metropolitan statistical area/consolidated metropolitan statistical area-rural
- 23 In metropolitan statistical area/consolidated metropolitan statistical area-in metropolitan statistical area/primary metropolitan statistical area central city
- 24 In metropolitan statistical area/consolidated metropolitan statistical area-not in metropolitan statistical area/primary metropolitan statistical area central city
- 25 In metropolitan statistical area/consolidated metropolitan statistical area-not in metropolitan statistical area/primary metropolitan statistical area central city-urban
- 26 In metropolitan statistical area/consolidated metropolitan statistical area-not in metropolitan statistical area/primary metropolitan statistical area central city-urban-in urbanized area
- 27 In metropolitan statistical area/consolidated metropolitan statistical area-not in metropolitan statistical area/primary metropolitan statistical area central city-urban-not in urbanized area
- 28 In metropolitan statistical area/consolidated metropolitan statistical area-not in metropolitan statistical area/primary metropolitan statistical area central city-rural
- 30 Not in metropolitan statistical area/consolidated metropolitan statistical area
- 31 Not in metropolitan statistical area/consolidated metropolitan statistical area-urban
- 32 Not in metropolitan statistical area/consolidated metropolitan statistical area-urban-in urbanized area
- 33 Not in metropolitan statistical area/consolidated metropolitan statistical area-urban-not in urbanized area
- 34 Not in metropolitan statistical area/consolidated metropolitan statistical area-urban-not in urbanized area-place [10,000 or more population]
- 35 Not in metropolitan statistical area/consolidated metropolitan statistical area-urban-not in urbanized area-place [2,500 - 9,999 population]
- 36 Not in metropolitan statistical area/consolidated metropolitan statistical area-rural
- 40 American Indian reservation and trust land [American Indian reservations (AIR codes 0001-4989) including any trust lands]
- 42 Tribal Jurisdiction Statistical Area [Oklahoma only]
- 43 Tribal Designated Statistical Area
- 44 Alaska Native village statistical area [Alaska only]

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|                             |          |   |    |   |
|-----------------------------|----------|---|----|---|
| Characteristic Iteration(4) | CHARITER | 3 | 16 | N |
|-----------------------------|----------|---|----|---|

-----

000 Not a characteristic iteration

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|                                       |          |   |    |   |
|---------------------------------------|----------|---|----|---|
| Logical Record Number(5)              | LOGRECNU | 6 | 19 | N |
| Logical Record Part<br>Number(6)      | LOGRECPN | 4 | 25 | N |
| Total Number of Parts in<br>Record(7) | PARTREC  | 4 | 29 | N |

Geographic Area Codes

|  |      |   |    |     |
|--|------|---|----|-----|
| Alaska Native Regional<br>Corporation(8) | ANRC | 2 | 33 | A/N |
|--|------|---|----|-----|

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|    |              |    |                |    |            |    |          |
|----|--------------|----|----------------|----|------------|----|----------|
| 07 | Ahtna        | 28 | Bering Straits | 49 | Chugach    | 70 | Koniag   |
| 14 | Aleut        | 35 | Bristol Bay    | 56 | Cook Inlet | 77 | NANA     |
| 21 | Arctic Slope | 42 | Calista        | 63 | Doyon      | 84 | Sealaska |

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|   |         |   |    |     |
|---|---------|---|----|-----|
| American Indian/Alaska<br>Native Area (Census)(9) | AIANACE | 4 | 35 | A/N |
| American Indian/Alaska<br>Native Area (FIPS)(10)  | AIANAFP | 5 | 39 | A/N |
| American Indian/Alaska<br>Native Area Class Code  | AIANACC | 2 | 44 | A/N |

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|    |  |
|----|--|
| D1 | Federally recognized American Indian reservation that does not serve as a minor civil division (MCD) equivalent  |
| D2 | Federally recognized American Indian reservation that also serves as an MCD equivalent   |
| D3 | American Indian tribal government that holds property in trust "trust land" for a tribe or individual member(s) of the tribe, and the trust land(s) is not associated with a specific American Indian reservation or the associated American Indian reservation is not located in this State |
| D4 | State-recognized American Indian reservation that does not serve as an MCD equivalent  |
| D5 | State-recognized American Indian reservation that also serves as an MCD equivalent   |
| D6 | Tribal designated statistical area (TDSA); tribal jurisdiction statistical area (TJSA) (TJSAs occur only in Oklahoma)  |
| E1 | Alaska Native village statistical area (ANVSA) that does not coincide with or approximate an incorporated place or a census designated place (CDP)   |
| E2 | ANVSA that coincides with or approximates a CDP  |
| E6 | ANVSA that coincides with or approximates an incorporated place  |

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|  |       |   |    |     |
|--|-------|---|----|-----|
| American Indian Reservation<br>Trust Land Indicator Code | ARTLI | 1 | 46 | A/N |
|--|-------|---|----|-----|

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- 1 American Indian reservation; including Tribal Jurisdiction Statistical Area (TJSA) and Tribal Designated Statistical Area (TDSA)
- 2 Off-reservation trust land
- 9 Not an American Indian area

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|  |          |   |    |     |
|--|----------|---|----|-----|
| Block(8)                                   | BLCK     | 4 | 47 | A/N |
| Block Group(8)                             | BLCKGR   | 1 | 51 | A/N |
| Census Tract/Block Numbering Area(8)       | TRACTBNA | 6 | 52 | A/N |
| Congressional District (101st Congress)(8) | CONGDIS  | 2 | 58 | A/N |

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01-45 The actual congressional district number

- 00 Applies to States whose representative is elected "at large"; i.e., the State has only one representative in the United States House of Representatives
- 98 Applies to areas that have a nonvoting delegate in the United States House of Representatives
- 99 Applies to areas that have no representation in the United States House of Representatives

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|                               |          |   |    |     |
|-------------------------------|----------|---|----|-----|
| Consolidated City (Census)(8) | CONCITCE | 1 | 60 | A/N |
|-------------------------------|----------|---|----|-----|

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- |                             |                                 |
|-----------------------------|---------------------------------|
| B Butte-Silver Bow, Montana | I Indianapolis, Indiana         |
| C Columbus, Georgia         | J Jacksonville, Florida         |
| M Milford, Connecticut      | N Nashville-Davidson, Tennessee |
- 

|                                  |          |   |    |     |
|----------------------------------|----------|---|----|-----|
| Consolidated City (FIPS) (8,10)  | CONCITFP | 5 | 61 | A/N |
| Consolidated City Class Code(10) | CONCITCC | 2 | 66 | A/N |

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C3 Consolidated city

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|  |          |   |    |     |
|--|----------|---|----|-----|
| Consolidated City Population Size Code | CONCITSC | 2 | 68 | A/N |
|--|----------|---|----|-----|

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- |                    |                  |
|--------------------|------------------|
| 00 Not in universe | 12 2,500-4,999   |
| 01 0               | 13 5,000-9,999   |
| 02 1-24            | 14 10,000-19,999 |
| 03 25-99           | 15 20,000-24,999 |

|    |             |    |                     |
|----|-------------|----|---------------------|
| 04 | 100-199     | 16 | 25,000-49,999       |
| 05 | 200-249     | 17 | 50,000-99,999       |
| 06 | 250-299     | 18 | 100,000-249,999     |
| 07 | 300-499     | 19 | 250,000-499,999     |
| 08 | 500-999     | 20 | 500,000-999,999     |
| 09 | 1,000-1,499 | 21 | 1,000,000-2,499,999 |
| 10 | 1,500-1,999 | 22 | 2,500,000-4,999,999 |
| 11 | 2,000-2,499 | 23 | 5,000,000 or more   |

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|  |        |   |    |     |
|--|--------|---|----|-----|
| Consolidated Metropolitan<br>Statistical Area(9) | CMSA   | 2 | 70 | A/N |
| County(9)  | CNTY   | 3 | 72 | A/N |
| County Population Size Code                      | CNTYSC | 2 | 75 | A/N |

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|    |                 |    |                     |
|----|-----------------|----|---------------------|
| 00 | Not in universe | 12 | 2,500-4,999         |
| 01 | 0               | 13 | 5,000-9,999         |
| 02 | 1-24            | 14 | 10,000-19,999       |
| 03 | 25-99           | 15 | 20,000-24,999       |
| 04 | 100-199         | 16 | 25,000-49,999       |
| 05 | 200-249         | 17 | 50,000-99,999       |
| 06 | 250-299         | 18 | 100,000-249,999     |
| 07 | 300-499         | 19 | 250,000-499,999     |
| 08 | 500-999         | 20 | 500,000-999,999     |
| 09 | 1,000-1,499     | 21 | 1,000,000-2,499,999 |
| 10 | 1,500-1,999     | 22 | 2,500,000-4,999,999 |
| 11 | 2,000-2,499     | 23 | 5,000,000 or more   |

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|                                   |          |   |    |     |
|-----------------------------------|----------|---|----|-----|
| County Subdivision<br>(Census)(9) | COUSUBCE | 3 | 77 | A/N |
| County Subdivision (FIPS)<br>(10) | COUSUBFP | 5 | 80 | A/N |
| County Subdivision Class<br>Code  | COUSUBCC | 2 | 85 | A/N |

- 
- C2 Incorporated place that also serves as a minor civil division (MCD) equivalent because, although the place is coextensive with an MCD, the Census Bureau, in agreement with State officials, does not recognize that MCD for presenting census data because the MCD cannot provide governmental services (Ohio only)
  - C5 Incorporated place that also serves as an MCD equivalent because it is not part of an MCD or a county subdivision classified as Z5
  - C7 Incorporated place that also serves as a county equivalent and an MCD equivalent; generally referred to as an "independent city"
  - D2 Federally recognized American Indian reservation that also serves as an MCD equivalent
  - D5 State-recognized American Indian reservation that also serves as an MCD equivalent
  - T1 Governmentally active minor civil division (MCD) that is not coextensive with an incorporated place





|    |             |    |                     |
|----|-------------|----|---------------------|
| 01 | 0           | 13 | 5,000-9,999         |
| 02 | 1-24        | 14 | 10,000-19,999       |
| 03 | 25-99       | 15 | 20,000-24,999       |
| 04 | 100-199     | 16 | 25,000-49,999       |
| 05 | 200-249     | 17 | 50,000-99,999       |
| 06 | 250-299     | 18 | 100,000-249,999     |
| 07 | 300-499     | 19 | 250,000-499,999     |
| 08 | 500-999     | 20 | 500,000-999,999     |
| 09 | 1,000-1,499 | 21 | 1,000,000-2,499,999 |
| 10 | 1,500-1,999 | 22 | 2,500,000-4,999,999 |
| 11 | 2,000-2,499 | 23 | 5,000,000 or more   |

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|                   |         |   |     |     |
|-------------------|---------|---|-----|-----|
| Place (Census)(9) | PLACECE | 4 | 112 | A/N |
| Place (FIPS)(10)  | PLACEFP | 5 | 116 | A/N |
| Place Class Code  | PLACECC | 2 | 121 | A/N |

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- C1 Incorporated place that is governmentally active, is not related to an Alaska Native village statistical area (ANVSA), and does not serve as a minor civil division (MCD) equivalent
- C2 Incorporated place that also serves as a minor civil division (MCD) equivalent because, although the place is coextensive with an MCD, the Census Bureau, in agreement with State officials, does not recognize that MCD for presenting census data because the MCD cannot provide governmental services (Iowa and Ohio only)
- C5 Incorporated place that also serves as an MCD equivalent because it is not part of an MCD
- C6 Incorporated place that coincides with or approximates an ANVSA
- C7 Incorporated place that also serves as a county equivalent; generally referred to as an "independent city"
- C8 The portion ("remainder") of a consolidated city that excludes the incorporated place(s) within that jurisdiction
- C9 Incorporated place whose government is operationally inactive and is not included in any other C subclass
- M2 Military or Coast Guard installation (or part of an installation) that serves as a census designated place (CDP)
- U1 CDP with a name that is commonly recognized for the populated area
- U2 CDP with a name that is not commonly recognized for the populated area (e.g., a combination of the names of two or three commonly recognized communities, or a name that identifies the location of the CDP in relation to an adjacent incorporated place)
- U9 CDP that coincides with or approximates an ANVSA.

Note: In Ohio, a multi-county place that has a different MCD relationship in each county is assigned only a single class code of C1, C2, or C5.

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|                        |         |   |     |     |
|------------------------|---------|---|-----|-----|
| Place Description Code | PLACEDC | 1 | 123 | A/N |
|------------------------|---------|---|-----|-----|

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- 1 Incorporated central city of a metropolitan statistical area/primary metropolitan statistical area (MSA/PMSA), but not a central place of an urbanized area (UA)
- 2 Incorporated central place of an urbanized area (UA), but not a central city of a metropolitan statistical area/primary metropolitan statistical area (MSA/PMSA)

- 3 Incorporated central city of a metropolitan statistical area/primary metropolitan statistical area (MSA/PMSA) and a central place of an urbanized area (UA)
- 4 Consolidated city or an incorporated place that is not a central city of a metropolitan statistical area/primary metropolitan statistical area (MSA/PMSA) and not a central place of an urbanized area (UA)
- 5 Incorporated place, which is the central place of an urbanized area (UA), but only part of which is the central city of a metropolitan statistical area/primary metropolitan statistical area (MSA/PMSA)
- 6 Incorporated place, which is not a central place of an urbanized area (UA), but part of which is the central city of a metropolitan statistical area/primary metropolitan statistical area (MSA/PMSA)
- A Census designated place (CDP) that is a central place of an urbanized area (UA), but not a central city of a metropolitan statistical area/primary metropolitan statistical area (MSA/PMSA)
- B Census designated place (CDP) that is a central city of a metropolitan statistical area/primary metropolitan statistical area (MSA/PMSA), but not a central place of an urbanized area (UA)
- C Census designated place (CDP) that is a central city of a metropolitan statistical area/primary metropolitan statistical area (MSA/PMSA) and a central place of an urbanized area (UA)
- D Census designated place (CDP) that is in a 1980 or special census urbanized area (UA) and is not a central city or a central place; these CDP's must have a 1990 population of at least 300 in Hawaii and the Virgin Islands of the United States, 1,000 in Puerto Rico, and 2,500 elsewhere
- E Census designated place (CDP) not classified elsewhere; these CDP's must meet the following minimum population requirements:
  - 300 in Hawaii and the Virgin Islands of the United States
  - 25 in Alaska
  - 1,000 in all other States and Puerto Rico
- F Zona urbana that is a central place of an urbanized area (UA) in Puerto Rico, but not a central city of a metropolitan statistical area/primary metropolitan statistical area (MSA/PMSA)
- G Zona urbana that is a central city of a metropolitan statistical area/primary metropolitan statistical area (MSA/PMSA) in Puerto Rico, but not a central place of an urbanized area (UA)
- H Zona urbana that is a central city of a metropolitan statistical area/primary metropolitan statistical area (MSA/PMSA) and a central place of an urbanized area (UA)
- I Zona urbana in Puerto Rico that is not a central city or a central place
- L Census designated place (CDP) entirely within an American Indian reservation and entirely outside of a 1980 or special census urbanized area (UA); these CDP's must have a 1990 population of at least 25 in Alaska and 250 elsewhere

| Place | Population      | Size Code | PLACESC | 2             | 124 | A/N |
|-------|-----------------|-----------|---------|---------------|-----|-----|
| 00    | Not in universe |           | 12      | 2,500-4,999   |     |     |
| 01    | 0               |           | 13      | 5,000-9,999   |     |     |
| 02    | 1-24            |           | 14      | 10,000-19,999 |     |     |
| 03    | 25-99           |           | 15      | 20,000-24,999 |     |     |
| 04    | 100-199         |           | 16      | 25,000-49,999 |     |     |

|    |             |    |                     |
|----|-------------|----|---------------------|
| 05 | 200-249     | 17 | 50,000-99,999       |
| 06 | 250-299     | 18 | 100,000-249,999     |
| 07 | 300-499     | 19 | 250,000-499,999     |
| 08 | 500-999     | 20 | 500,000-999,999     |
| 09 | 1,000-1,499 | 21 | 1,000,000-2,499,999 |
| 10 | 1,500-1,999 | 22 | 2,500,000-4,999,999 |
| 11 | 2,000-2,499 | 23 | 5,000,000 or more   |

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Primary Metropolitan Statis-  
tical Area(9)  
Region(8)

PMSA 4 126 A/N  
REG 1 130 A/N  
-----

1 Northeast 2 Midwest 3 South 4 West

-----  
State (Census)(8) STATECE 2 131 A/N  
-----

|    |  |    |                         |    |                |    |            |
|----|--|----|-------------------------|----|----------------|----|------------|
| 06 | Puerto Rico                            | 33 | Illinois                | 54 | Virginia       | 81 | Montana    |
| 07 | Virgin Islands of<br>the United States | 34 | Michigan                | 55 | West Virginia  | 82 | Idaho      |
| 11 | Maine                                  | 35 | Wisconsin               | 56 | North Carolina | 83 | Wyoming    |
| 12 | New Hampshire                          | 41 | Minnesota               | 57 | South Carolina | 84 | Colorado   |
| 13 | Vermont                                | 42 | Iowa                    | 58 | Georgia        | 85 | New Mexico |
| 14 | Massachusetts                          | 43 | Missouri                | 59 | Florida        | 86 | Arizona    |
| 15 | Rhode Island                           | 44 | North Dakota            | 61 | Kentucky       | 87 | Utah       |
| 16 | Connecticut                            | 45 | South Dakota            | 62 | Tennessee      | 88 | Nevada     |
| 21 | New York                               | 46 | Nebraska                | 63 | Alabama        | 91 | Washington |
| 22 | New Jersey                             | 47 | Kansas                  | 64 | Mississippi    | 92 | Oregon     |
| 23 | Pennsylvania                           | 51 | Delaware                | 71 | Arkansas       | 93 | California |
| 31 | Ohio                                   | 52 | Maryland                | 72 | Louisiana      | 94 | Alaska     |
| 32 | Indiana                                | 53 | District of<br>Columbia | 73 | Oklahoma       | 95 | Hawaii     |
|    |  |    |                         | 74 | Texas          |    |            |

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State (FIPS)(8) STATEFP 2 133 A/N  
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|    |                         |    |               |    |                |    |                  |
|----|-------------------------|----|---------------|----|----------------|----|------------------|
| 01 | Alabama                 | 17 | Illinois      | 31 | Nebraska       | 46 | South Dakota     |
| 02 | Alaska                  | 18 | Indiana       | 32 | Nevada         | 47 | Tennessee        |
| 04 | Arizona                 | 19 | Iowa          | 33 | New Hampshire  | 48 | Texas            |
| 05 | Arkansas                | 20 | Kansas        | 34 | New Jersey     | 49 | Utah             |
| 06 | California              | 21 | Kentucky      | 35 | New Mexico     | 50 | Vermont          |
| 08 | Colorado                | 22 | Louisiana     | 36 | New York       | 51 | Virginia         |
| 09 | Connecticut             | 23 | Maine         | 37 | North Carolina | 53 | Washington       |
| 10 | Delaware                | 24 | Maryland      | 38 | North Dakota   | 54 | West Virginia    |
| 11 | District of<br>Columbia | 25 | Massachusetts | 39 | Ohio           | 55 | Wisconsin        |
| 12 | Florida                 | 26 | Michigan      | 40 | Oklahoma       | 56 | Wyoming          |
| 13 | Georgia                 | 27 | Minnesota     | 41 | Oregon         | 72 | Puerto Rico      |
| 15 | Hawaii                  | 28 | Mississippi   | 42 | Pennsylvania   | 78 | Virgin Islands   |
| 16 | Idaho                   | 29 | Missouri      | 44 | Rhode Island   |    | of the           |
|    |                         | 30 | Montana       | 45 | South Carolina |    | United<br>States |

-----  
Urban/Rural(8) URBANRUR 1 135 A/N  
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|  | 1 | Urban   | 2 | Rural |     |
|--|---|---------|---|-------|-----|
| Urbanized Area(9)                      |   | URBAREA | 4 | 136   | A/N |
| Urbanized Area Population<br>Size Code |   | UASC    | 2 | 140   | A/N |

|    |                 |    |                     |
|----|-----------------|----|---------------------|
| 00 | Not in universe | 12 | 2,500-4,999         |
| 01 | 0               | 13 | 5,000-9,999         |
| 02 | 1-24            | 14 | 10,000-19,999       |
| 03 | 25-99           | 15 | 20,000-24,999       |
| 04 | 100-199         | 16 | 25,000-49,999       |
| 05 | 200-249         | 17 | 50,000-99,999       |
| 06 | 250-299         | 18 | 100,000-249,999     |
| 07 | 300-499         | 19 | 250,000-499,999     |
| 08 | 500-999         | 20 | 500,000-999,999     |
| 09 | 1,000-1,499     | 21 | 1,000,000-2,499,999 |
| 10 | 1,500-1,999     | 22 | 2,500,000-4,999,999 |
| 11 | 2,000-2,499     | 23 | 5,000,000 or more   |

|                        |       |   |     |     |
|------------------------|-------|---|-----|-----|
| Special Area Code (1)  | SAC1  | 5 | 142 | A/N |
| Special Area Code (2)  | SAC2  | 5 | 147 | A/N |
| Special Area Code (3)  | SAC3  | 4 | 152 | A/N |
| Special Area Code (4)  | SAC4  | 4 | 156 | A/N |
| Special Area Code (5)  | SAC5  | 3 | 160 | A/N |
| Special Area Code (6)  | SAC6  | 3 | 163 | A/N |
| Special Area Code (7)  | SAC7  | 2 | 166 | A/N |
| Special Area Code (8)  | SAC8  | 2 | 168 | A/N |
| Special Area Code (9)  | SAC9  | 1 | 170 | A/N |
| Special Area Code (10) | SAC10 | 1 | 171 | A/N |

#### Area Characteristics

|   |          |    |     |     |
|---|----------|----|-----|-----|
| Area (land)(12)                           | AREALAND | 10 | 172 | A/N |
| Area (water)(13)                          | AREAWAT  | 10 | 182 | A/N |
| Area Name/PSAD Term/<br>Part Indicator 14 | ANPSADPI | 66 | 192 | A/N |
| Functional Status Code                    | FUNCSTAT | 1  | 258 | A/N |

- A Active governmental unit, except American Indian reservations and Alaska Native village statistical areas. An active governmental unit has the legal capacity to have officers, to raise revenue, and to conduct governmental activities under State laws, and currently is doing so.
- B Functioning governmental unit providing no substantive governmental services.--These areas may be coextensive with and administered by officials of another governmental unit (such as towns in Connecticut that are coextensive with cities), or the number of officials and/or the functions they perform are so minimal and/or vestigial that the Census Bureau does not recognize them as governmental units for census purposes (such as townships in Iowa).
- F False entity.--In order to maintain complete coverage of every State at

the county level and of every county at the county subdivision level, we create false entities at these levels for any place that is independent of a county or independent of a minor civil division (MCD). This code also is used for place records that represent the remainder of a consolidated city or the remainder of a county subdivision.

- I Inactive governmental unit.--An inactive governmental unit has the legal capacity to be active, but currently has no legal officers, raises no revenues, and conducts no activities.
- N Nonfunctioning governmental unit. A nonfunctioning governmental unit has legally established boundaries, but has no legal capacity to conduct governmental activity.
- R An American Indian reservation, an American Indian tribe whose name is associated with trust lands, or an Alaska Native village statistical area.
- S Statistical entity, except Alaska Native village statistical areas and tribal jurisdiction statistical areas. A statistical entity has no governmental status and is defined by or in cooperation with the Census Bureau or other Federal agency. This category includes census regions, census divisions, census county divisions (CCDs), census designated places (CDPs), metropolitan areas (MSA/CMSA/PMSAs), urbanized areas (UAs), unorganized territories (UTs), tribal designated statistical areas (TDSAs), census areas and census subareas in Alaska, and comunidades and zonas urbanas in Puerto Rico.
- T Tribal jurisdiction statistical area. A tribal jurisdiction statistical area (TJSA) is not a legally defined governmental unit, but is recognized as a statistical area for the 1990 census. These areas exist only in the State of Oklahoma and were not recognized separately in 1980.

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 Geographic Change User Note

| Indicator | GCUNI   | 1 | 259 | A/N |
|-----------|---|---|-----|-----|
| 0         | No geographic change note for the area within the summary level |   |     |     |
| 1         | See User Notes for a geographic change note                     |   |     |     |

-----  
 Housing Unit Count (100%)

|                                    |          |    |     |     |
|------------------------------------|----------|----|-----|-----|
| (15)                               | HU100    | 9  | 260 | A/N |
| Internal Point (latitude)<br>(16)  | INTPTLAT | 9  | 269 | A/N |
| Internal Point (longitude)<br>(17) | INTPTLNG | 10 | 278 | A/N |
| Part Flag                          | PARTFLAG | 1  | 288 | A/N |

-----  
 0 Not a part 1 Part

-----  
 Political/Statistical Area

| Description Code | PSADC | 2 | 289 | A/N |
|------------------|-------|---|-----|-----|
|------------------|-------|---|-----|-----|

- 01 State or State equivalent - no status is appended to the name of the entity in census publications and related data products.
- 04 Borough - county equivalent in Alaska; "Borough" is appended to the name of the entity in census publications and related data products.
- 05 Census area - county equivalent in Alaska; "Census Area" is appended to the name of the entity in census publications and related data products.

- 06 County - "County" is appended to the name of the entity in census publications and related data products.
- 08 Independent city - county equivalent in Maryland, Missouri, and Virginia; "city" is appended to the name of the entity in census publications and related data products.
- 09 Independent city - county equivalent in Nevada; no status is appended to the name of the entity in census publications and related data products.
- 10 Island - county equivalent in Virgin Islands of the United States; "Island" is appended to the name of the entity in census publications and related data products.
- 13 Municipio - county equivalent in Puerto Rico; "Municipio" is appended to the name of the entity in census publications and related data products.
- 14 (none) - county equivalent; used at county level for the District of Columbia and Yellowstone National Park (Montana). No status is appended to the name of the entity in census publications and related data products.
- 15 Parish - county equivalent in Louisiana; "Parish" is appended to the name of the entity in census publications and related data products.
- 19 American Indian reservation - minor civil division (MCD) in Maine and New York; "Reservation" is appended to the name of the entity in census publications and related data products.
- 20 Barrio - minor civil division (MCD) in Puerto Rico; "barrio" is appended to the name of the entity in census publications and related data products.
- 21 Borough - minor civil division (MCD) in New York; MCD equivalent in New Jersey and Pennsylvania; "borough" is appended to the name of the entity in census publications and related data products.
- 22 Census county division (CCD) - minor civil division (MCD) equivalent in 21 States; "division" is appended to the name of the entity in census publications and related data products.
- 23 Census subarea - minor civil division (MCD) equivalent in Alaska; "census subarea" is appended to the name of the entity in census publications and related data products.
- 24 Census subdistrict - minor civil division (MCD) equivalent in the Virgin Islands of the United States; "subdistrict" is appended to the name of the entity in census publications and related data products.
- 25 City - minor civil division (MCD) equivalent in 20 States; "city" is appended to the name of the entity in census publications and related data products.
- 27 District (magisterial, road) - minor civil division (MCD) in Pennsylvania, Virginia, and West Virginia; "district" is appended to the name of the entity in census publications and related data products.
- 28 District (assessment, election, magisterial, supervisors', or parish governing authority) - minor civil division (MCD) in Louisiana, Maryland, Mississippi, and West Virginia; no status is appended to the name of the entity in census publications and related data products.
- 29 Election precinct - minor civil division (MCD) in Illinois and Nebraska; "precinct" is appended to the name of the entity in census publications and related data products.
- 30 Election precinct - minor civil division (MCD) in Illinois and Nebraska; no status is appended to the name of the entity in census publications and related data products.

- 31 Gore - minor civil division (MCD) in Maine and Vermont; "gore" is appended to the name of the entity in census publications and related data products.
- 32 Grant - minor civil division (MCD) in New Hampshire and Vermont; "grant" is appended to the name of the entity in census publications and related data products.
- 33 Independent city - minor civil division (MCD) equivalent in Maryland, Missouri, and Virginia; "city" is appended to the name of the entity in census publications and related data products.
- 34 Independent city - minor civil division (MCD) equivalent in Nevada; no status is appended to the name of the entity in census publications and related data products.
- 36 Location - minor civil division (MCD) in New Hampshire; "location" is appended to the name of the entity in census publications and related data products.
- 38 (none) - minor civil division (MCD) equivalent for District of Columbia and Arlington County, Virginia; no status is appended to the name of the entity in census publications and related data products.
- 39 Plantation - minor civil division (MCD) in Maine; "plantation" is appended to the name of the entity in census publications and related data products.
- 40 Plantation - minor civil division (MCD) in Maine; no status is appended to the name of the entity in census publications and related data products.
- 41 Barrio-pueblo - minor civil division (MCD) in Puerto Rico; "barrio-pueblo" is appended to the name of the entity in census publications and related data products.
- 42 Purchase - minor civil division (MCD) in New Hampshire; "purchase" is appended to the name of the entity in census publications and related data products.
- 43 Town - minor civil division (MCD) in 8 States; MCD equivalent in New Jersey, Pennsylvania, and South Dakota; "town" is appended to the name of the entity in census publications and related data products.
- 44 Township - minor civil division (MCD) in 16 States; "township" is appended to the name of the entity in census publications and related data products.
- 45 Township - minor civil division (MCD) in Kansas, Nebraska, and North Carolina; no status is appended to the name of the entity in census publications and related data products.
- 46 Unorganized territory - minor civil division (MCD) in 9 States; "unorg." is appended to the name of the entity in census publications and related data products.
- 47 Village - minor civil division (MCD) equivalent in New Jersey, Ohio, South Dakota, and Wisconsin; "village" is appended to the name of the entity in census publications and related data products.
- 51 Subbarrio - sub-minor civil division (sub-MCD) in Puerto Rico; "subbarrio" is appended to the name of the entity in census publications and related data products.
- 55 Comunidad - place (census designated place) in Puerto Rico; "comunidad" is appended to the name of the entity in census publications and related data products.
- 56 Borough - place in Connecticut, New Jersey, and Pennsylvania; "borough" is appended to the name of the entity in census publications and related data products.
- 57 Census designated place - place; "CDP" is appended to the name of the entity in census publications and related data products.

- 58 City - place; "city" is appended to the name of the entity in census publications and related data products.
- 59 City - place; used for some cities that have a unique description, no description, or a description included with their name, as follows:

Anaconda-Deer Lodge County (Montana): incorporated municipality;  
Butte-Silver Bow (remainder) (Montana): (none);  
Carson City, Nevada: (none);  
Columbus city (remainder) (Georgia): (none);  
Indianapolis city (remainder) (Indiana): (none);  
Jacksonville city (remainder) (Florida): (none);  
Lexington-Fayette (Kentucky): Urban County Government;  
Lynchburg-Moore County (Tennessee): (none);  
Milford city (remainder) (Connecticut): (none);  
Nashville-Davidson (remainder) (Tennessee): "Metropolitan Government of Nashville and Davidson County";

No status is appended to the name of the entity in census publications and related data products.

- 60 Town - place; place in 30 States and the Virgin Islands of the United States; "town" is appended to the name of the entity in census publications and related data products.
- 61 Village - place; place in 19 States; "village" is appended to the name of the entity in census publications and related data products.
- 62 Zona urbana - place (census designated place) in Puerto Rico; "zona urbana" is appended to the name of the entity in census publications and related data products.
- 65 Consolidated city in Connecticut, Florida, Georgia, and Indiana - "city" is appended to the name of the entity in census publications and related data products.
- 66 Consolidated city - used for some consolidated cities that have unique descriptions or no descriptions, as follows:

Butte-Silver Bow (Montana): (none);  
Nashville-Davidson (Tennessee): "Metropolitan Government of Nashville and Davidson County";

No status is appended to the name of the entity in census publications and related data products.

- 68 Census region - no status is appended to the name of the entity in census publications and related data products.
- 69 Census division - no status is appended to the name of the entity in census publications and related data products.
- 71 Consolidated metropolitan statistical area (CMSA) - "CMSA" is appended to the name of the entity in census publications and related data products.
- 72 Metropolitan statistical area (MSA) - "MSA" is appended to the name of the entity in census publications and related data products.
- 73 Primary metropolitan statistical area (PMSA) - "PMSA" is appended to the name of the entity in census publications and related data products.
- 75 Urbanized area (UA) - no status is appended to the name of the entity in census publications and related data products.
- 77 Alaska Native Regional Corporation - no status is appended to the name of the entity in census publications and related data products.
- 79 Alaska Native village statistical area - no status is appended to the name of the entity in census publications and related data products.



- 80 Tribal designated statistical area - American Indian reservation equivalent for non-land-based tribes outside of Oklahoma; "TDSA" is appended to the name of the entity in census publications and related data products.
- 81 Colony - American Indian reservation; "Colony" is appended to the name of the entity in census publications and related data products.
- 82 Community - American Indian reservation; "Community" is appended to the name of the entity in census publications and related data products.
- 83 Joint area - American Indian reservation equivalent; "joint area" is appended to the name of the entity in census publications and related data products.
- 84 Pueblo - American Indian reservation; "Pueblo" is appended to the name of the entity in census publications and related data products.
- 85 Rancheria - American Indian reservation; "Rancheria" is appended to the name of the entity in census publications and related data products.
- 86 Reservation - American Indian reservation; "Reservation" is appended to the name of the entity in census publications and related data products.
- 87 Reserve - American Indian reservation; "Reserve" is appended to the name of the entity in census publications and related data products.
- 88 Tribal jurisdiction statistical area - American Indian reservation equivalent representing historic tribal areas in Oklahoma; "TJSA" is appended to the name of the entity in census publications and related data products.
- 89 Trust lands - American Indian reservation equivalent; no status is appended to the name of the entity in census publications and related data products.
- 90 (none) - American Indian reservation; no status is appended to the name of the entity in census publications and related data products.

|                             |        |   |     |     |
|-----------------------------|--------|---|-----|-----|
| Population Count (100%)(18) | POP100 | 9 | 291 | A/N |
| Special Flag                | SPFLAG | 1 | 300 | A/N |

#### FOOTNOTES

1. A unique identifier for each file series. Dress rehearsal files have a "D" in the character following the last character in the file identification code for the equivalent 1990 decennial census file; for example, PL94171D is the identifier for the dress rehearsal file for the P.L. 94-171 data. File identification code for the P.L. 94-171 file is PL94171. File identification codes for summary tape files are STFnn where nn = file number; for example, STF1A is the identification for Summary Tape File 1A. File identification codes for subject summary tape files are SSTFnn where nn = the number of the subject report. File identification codes for special project files are identified by SPmmm where mmm = a three digit special project number. See How to Use This File for further information.
2. Identifies the geographic level for which the data matrices on the summary tape file have been summarized. The summary level sequence chart describes the hierarchical arrangement of the specified geographic areas with other geographic areas, if any. The summary level must be used in combination with the geographic area codes to identify a specific geographic area (for example, summary level 050 and

a specific county code must be used together to locate the data for a particular county). See How to Use This File for further information.

3. Indicates an iteration (repetition), for the specified summary level, of the data matrices on the summary tape file for the geographic components listed in the Geographic Component field. See How To Use This File for further information.
4. Indicates an iteration (repetition), for the specified summary level, of the data matrices on the summary tape file for a population or housing characteristic. Only matrices containing a "B" in the prefix have characteristic iterations. See How to Use This File for further information.
5. The logical record is the complete record [identification and set of tables (matrices)] for a geographic entity defined by the summary level, but exclusive of the characteristic iteration. A logical record may have one or more parts (or segments). Each logical record has an assigned sequential integer number within the file. See How to Use This File for further information.
6. Within the logical record, each part is identified uniquely in terms of its sequence. See How to Use This File for further information.
7. This field identifies how many parts (or segments) comprise the entire logical record. See How to Use This File for further information.
8. See appendix A, Area Classifications, for definition of this field if it is applicable to this file.
9. See the publication, Geographic Identification Code Scheme, for codes in this field and related terminology if it is applicable to this file. See appendix A, Area Classifications, for definition of this field if it is applicable to this file.
10. See the publication, Geographic Identification Code Scheme, for FIPS 55 codes in this field and related terminology if it is applicable to this file. See appendix A, Area Classifications, for definition of this field if it is applicable to this file.
11. Codes in unspecified arrangement for Census Bureau use.
12. Land area measurement in thousandths (.001) of a square kilometer. The accuracy of the area measurement is limited by the inaccuracy inherent in 1) the mapping of the various boundary features in the TIGER File and 2) rounding affecting the last digit in all operations that compute and/or sum the area measurements. Land area includes intermittent water and glaciers, which appear on census maps and in the TIGER File as hydrographic features. An area of .0005 square kilometer is rounded to .001; an area smaller than .0005 is rounded to .000. The decimal point is implied on the file. Square miles can be derived by dividing square kilometers by 2.59. See appendix A, Area Classifications, for definition of this field if it is applicable to this file.
13. Water area measurement in thousandths (.001) of a square kilometer. Water area is excluded from census blocks by definition, so the water area for a block always will be zero. The accuracy of the area

measurement is limited by the inaccuracy inherent in 1) the mapping of the various boundary features in the TIGER File and 2) rounding affecting the last digit in all operations that compute and/or sum the area measurements. Water area excludes intermittent water and glaciers, which are treated as land even though they appear on census maps and in the TIGER File as hydrographic features. An area of .0005 square kilometer is rounded to .001; an area smaller than .0005 is rounded to .000. The decimal point is implied on the file. Square miles can be derived by dividing square kilometers by 2.59. See appendix A, Area Classifications, for definition of this field if it is applicable to this file.

14. Name of the lowest-level entity represented by the summary level. In addition to the name of the entity, the name field contains the political/statistical area description (PSAD) when appropriate, and sometimes contains the State abbreviation.

For legal entities, the name is the one reported to the Bureau of the Census in the Boundary and Annexation Survey and by other appropriate sources; for statistical entities, the name is determined by the Office of Management and Budget for metropolitan areas and, for other areas, the name is determined by the Bureau of the Census, usually in cooperation with local officials.

When the summary level represents only part of the area specified in the name, the name usually will have "(pt.)" appended to the name/code terminology to designate that this entry for the entity represents only a part of the total entity.

15. The total number of housing units enumerated in the specified summary level as determined in the 100-percent processing.
16. Latitude in degrees, to six decimal places, of a point within the geographic area represented by the summary level. The decimal point is implied on the file. The character immediately preceding the first digit of the latitude of an internal point identifies the direction (hemisphere): a plus sign (+) indicates the Northern Hemisphere; a minus sign (-) indicates the Southern Hemisphere. See appendix A, Area Classifications, for definition of this field if it is applicable to this file.
17. Longitude in degrees, to six decimal places, of a point with the geographic area represented by the summary level. The decimal point is implied on the file. The character immediately preceding the first digit of the longitude of an internal point identifies the direction (hemisphere): a plus sign (+) indicates the Eastern Hemisphere; a minus sign (-) indicates the Western Hemisphere. A point on the 180th meridian is assigned to the Western Hemisphere (-180000000). See appendix A, Area Classifications, for definition of this field if it is applicable to this file.
18. The total number of persons enumerated in the specified summary level as determined in the 100-percent processing.

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These definitions are for all geographic entities and concepts that the Census Bureau will include in its standard 1990 census data products. Not all entities and concepts are shown in any one 1990 census data product. For a description of geographic areas included in each data product, see appendix F.

#### AMERICAN INDIAN AND ALASKA NATIVE AREA

Alaska Native Regional Corporation (ANRC)

Alaska Native Regional Corporations (ANRC's) are corporate entities established under the Alaska Native Claims Settlement Act of 1972, Public Law 92-203, as amended by Public Law 94-204, to conduct both business and nonprofit affairs of Alaska Natives. Alaska is divided into 12 ANRC's that cover the entire State, except for the Annette Islands Reserve. The boundaries of the 12 ANRC's were established by the Department of the Interior, in cooperation with Alaska Natives. Each ANRC was designed to include, as far as practicable, Alaska Natives with a common heritage and common interests. The ANRC boundaries for the 1990 census were identified by the Bureau of Land Management. A 13th region was established for Alaska Natives who are not permanent residents and who chose not to enroll in

one of the 12 ANRC's; no census products are prepared for the 13th region. ANRC's were first identified for the 1980 census.

Each ANRC is assigned a two-digit census code ranging from 07 through 84. These census codes are assigned in alphabetical order of the ANRC's.

#### Alaska Native Village (ANV) Statistical Area

Alaska Native villages (ANV's) constitute tribes, bands, clans, groups, villages, communities, or associations in Alaska that are recognized pursuant to the Alaska Native Claims Settlement Act of 1972, Public Law 92-203. Because ANV's do not have legally designated boundaries, the Census Bureau has established Alaska Native village statistical areas (ANVSA's) for statistical purposes. For the 1990 census, the Census Bureau cooperated with officials of the nonprofit corporation within each participating Alaska Native Regional Corporation (ANRC), as well as other knowledgeable officials, to delineate boundaries that encompass the settled area associated with each ANV. ANVSA's are located within ANRC's and do not cross ANRC boundaries. ANVSA's for the 1990 census replace the ANV's that the Census Bureau recognized for the 1980 census.

Each ANVSA is assigned a four-digit census code ranging from 6001 through 8989. Each ANVSA also is assigned a five-digit FIPS code. Both the census and FIPS codes are assigned in alphabetical order of ANVSA's.

#### American Indian Reservation and Trust Land

American Indian Reservation--Federal American Indian reservations are areas with boundaries established by treaty, statute, and/or executive or court order, and recognized by the Federal Government as territory in which American Indian tribes have jurisdiction. State reservations are lands held in trust by State governments for the use and benefit of a given tribe. The reservations and their boundaries were identified for the 1990 census by the Bureau of Indian Affairs (BIA), Department of Interior (for Federal reservations), and State governments (for State reservations). The names of American Indian reservations recognized by State governments, but not by the Federal Government, are followed by "(State)." Areas composed of reservation lands that are administered jointly and/or are claimed by two reservations, as identified by the BIA, are called "joint areas," and are treated as separate American Indian reservations for census purposes.

Federal reservations may cross State boundaries, and Federal and State reservations may cross county, county subdivision, and place boundaries. For reservations that cross State boundaries, only the portion of the reservations in a given State are shown in the data products for that State; the entire reservations are shown in data products for the United States.

Each American Indian reservation is assigned a four-digit census code ranging from 0001 through 4989. These census codes are assigned in alphabetical order of American Indian reservations nationwide, except that joint areas appear at the end of the code range. Each American Indian reservation also is assigned a five-digit



FIPS code; because the FIPS codes are assigned in alphabetical sequence of American Indian reservations within each State, the FIPS code is different in each State for reservations in more than one State.

Trust Land--Trust lands are property associated with a particular American Indian reservation or tribe, held in trust by the Federal Government. Trust lands may be held in trust either for a tribe (tribal trust land) or for an individual member of a tribe (individual trust land). Trust lands recognized for the 1990 census comprise all tribal trust lands and inhabited individual trust lands located outside of a reservation boundary. As with other American Indian areas, trust lands may be located in more than one State. Only the trust lands in a given State are shown in the data products for that State; all trust lands associated with a reservation or tribe are shown in data products for the United States. The Census Bureau first reported data for tribal trust lands for the 1980 census.

Trust lands are assigned a four-digit census code and a five-digit FIPS code, the same as that for the reservation with which they are associated. Trust lands not associated with a reservation are presented by tribal name, interspersed alphabetically among the reservations.

#### Tribal Designated Statistical Area (TDSA)

Tribal designated statistical areas (TDSA's) are areas, delineated outside Oklahoma by federally- and State-recognized tribes without a land base or associated trust lands, to provide statistical areas for which the Census Bureau tabulates data. TDSA's represent areas generally containing the American Indian population over which federally-recognized tribes have jurisdiction and areas in which State tribes provide benefits and services to their members. The names of TDSA's delineated by State-recognized tribes are followed by "(State)." The Census Bureau did not recognize TDSA's before the 1990 census.

Each TDSA is assigned a four-digit census code ranging from 9001 through 9589. The census codes are assigned in alphabetical order of TDSA's nationwide. Each TDSA also is assigned a five-digit FIPS code in alphabetical order within State.

#### Tribal Jurisdiction Statistical Area (TJSA)

Tribal jurisdiction statistical areas (TJSA's) are areas, delineated by federally-recognized tribes in Oklahoma without a reservation, for which the Census Bureau tabulates data. TJSA's represent areas generally containing the American Indian population over which one or more tribal governments have jurisdiction; if tribal officials delineated adjacent TJSA's so that they include some duplicate territory, the overlap area is called a "joint use area," which is treated as a separate TJSA for census purposes.

TJSA's replace the "Historic Areas of Oklahoma (excluding urbanized areas)" shown in 1980 census data products. The Historic Areas of Oklahoma comprised the territory located within reservations that had legally established boundaries from 1900 to 1907; these reservations were dissolved during the 2- to 3-year period preceding the statehood of Oklahoma in 1907. The Historic Areas of Oklahoma (excluding urbanized areas) were identified only for the 1980 census.

Each TJSA is assigned a four-digit census code ranging from 5001 through 5989. The census codes are assigned in alphabetical order of TJSA's, except that joint areas appear at the end of the code range. Each TJSA also is assigned a five-digit FIPS code in alphabetical order within Oklahoma.

#### AREA MEASUREMENT

Area measurements provide the size, in square kilometers (also in square miles in printed reports), recorded for each geographic entity for which the Census Bureau tabulates data in general-purpose data products (except crews-of-vessels entities and ZIP Codes). (Square kilometers may be divided by 2.59 to convert an area measurement to square miles.) Area was calculated from the specific set of boundaries recorded for the entity in the Census Bureau's geographic data base (see "TIGER"). On machine-readable files, area measurements are shown to three decimal places; the decimal point is implied. In printed reports and listings, area measurements are shown to one decimal.

The Census Bureau provides measurements for both land area and total water area for the 1990 census; the water figure includes inland, coastal, Great Lakes, and territorial water. (For the 1980 census, the Census Bureau provided area measurements for land and inland water.) The Census Bureau will provide measurements for the component types of water for the affected entities in a separate file. "Inland water" consists of any lake, reservoir, pond, or similar body of water that is recorded in the Census Bureau's geographic data base. It also includes any river, creek, canal, stream, or similar feature that is recorded in that data base as a two-dimensional feature (rather than as a single line). The portions of the oceans and related large embayments (such as the Chesapeake Bay and Puget Sound), the Gulf of Mexico, and the Caribbean Sea that belong to the United States and its territories are considered to be "coastal" and "territorial" waters; the Great Lakes are treated as a separate water entity. Rivers and bays that empty into these bodies of water are treated as "inland water" from the point beyond which they are narrower than one nautical mile across. Identification of land and inland, coastal, and territorial waters is for statistical purposes, and does not necessarily reflect legal definitions thereof.

By definition, census blocks do not include water within their boundaries; therefore, the water area of a block is always zero. Land area measurements may disagree with the information displayed on census maps and in the TIGER file because, for area measurement purposes, features identified as "intermittent water" and "glacier" are reported as land area. For this reason, it may not be possible to derive the land area for an entity by summing the land area of its component census blocks. In addition, the water area measurement reported for some geographic entities includes water that is not included in any lower-level geographic entity. Therefore, because water is contained only in a higher-level geographic entity, summing the water measurements for all the component lower-level geographic entities will not yield the water area of that higher-level entity. This occurs, for example, where water is associated with a county but is not within the legal boundary of any minor civil division, or the water is associated with a State but is not within the legal boundary

of any county. Crews-of-vessels entities (see "Census Tract and Block Numbering Area" and "Block") do not encompass territory and therefore have no area measurements. ZIP Codes do not have specific boundaries, and therefore, also do not have area measurements.

The accuracy of any area measurement figure is limited by the inaccuracy inherent in (1) the location and shape of the various boundary features in the data base, and (2) rounding affecting the last digit in all operations that compute and/or sum the area measurements.

#### BLOCK

Census blocks are small areas bounded on all sides by visible features such as streets, roads, streams, and railroad tracks, and by invisible boundaries such as city, town, township, and county limits, property lines, and short, imaginary extensions of streets and roads.

Tabulation blocks, used in census data products, are in most cases the same as collection blocks, used in the census enumeration. In some cases, collection blocks have been "split" into two or more parts required for data tabulations. Tabulation blocks do not cross the boundaries of counties, county subdivisions, places, census tracts or block numbering areas, American Indian and Alaska Native areas, congressional districts, voting districts, urban or rural areas, or urbanized areas. The 1990 census is the first for which the entire United States and its possessions are block-numbered.

Blocks are numbered uniquely within each census tract or BNA. A block is identified by a three-digit number, sometimes with a single alphabetical suffix. Block numbers with suffixes generally represent collection blocks that were "split" in order to identify separate geographic entities that divide the original block. For example, when a city limit runs through data collection block 101, the data for the portion inside the city is tabulated in block 101A and the portion outside, in block 101B. A block number with the suffix "Z" represents a "crews-of-vessels" entity for which the Census Bureau tabulates data, but that does not represent a true geographic area; such a block is shown on census maps associated with an anchor symbol and a census tract or block numbering area with a .99 suffix.

#### BLOCK GROUP (BG)

##### Geographic Block Group

A geographic block group (BG) is a cluster of blocks having the same first digit of their three-digit identifying numbers within a census tract or block numbering area (BNA). For example, BG 3 within a census tract or BNA includes all blocks numbered between 301 and 397. In most cases, the numbering involves substantially fewer than 97 blocks. Geographic BG's never cross census tract or BNA boundaries, but may cross the boundaries of county subdivisions, places, American Indian and Alaska Native areas, urbanized areas, voting districts, and congressional districts. BG's generally contain between 250 and 550 housing units, with the ideal size being 400 housing units.

## Tabulation Block Group

In the data tabulations, a geographic BG may be split to present data for every unique combination of county subdivision, place, American Indian and Alaska Native area, urbanized area, voting district, urban/rural and congressional district shown in the data product; for example, if BG 3 is partly in a city and partly outside the city, there will be separate tabulated records for each portion of BG 3. BG's are used in tabulating decennial census data nationwide in the 1990 census, in all block-numbered areas in the 1980 census, and in Tape Address Register (TAR) areas in the 1970 census. For purposes of data presentation, BG's are a substitute for the enumeration districts (ED's) used for reporting data in many parts of the United States for the 1970 and 1980 censuses, and in all areas for pre-1970 censuses.

## BOUNDARY CHANGES

The boundaries of some counties, county subdivisions, American Indian and Alaska Native areas, and many incorporated places, changed between those reported for the 1980 census and January 1, 1990.

Boundary changes to legal entities result from:

1. Annexations to or detachments from legally established governmental units.
2. Mergers or consolidations of two or more governmental units.
3. Establishment of new governmental units.
4. Disincorporations or disorganizations of existing governmental units.
5. Changes in treaties and Executive Orders.

The historical counts shown for counties, county subdivisions, and places are not updated for such changes, and thus reflect the population and housing units in the area as delineated at each census. Information on boundary changes reported between the 1980 and 1990 censuses for counties, county subdivisions, and incorporated places is presented in the "User Notes" section of the technical documentation of Summary Tape Files 1 and 3, and in the 1990 CPH-2, Population and Housing Unit Counts printed reports. For information on boundary changes for such areas in the decade preceding other decennial censuses, see the Number of Inhabitants reports for each census. Boundary changes are not reported for some areas, such as census designated places and block groups.

## CENSUS REGION AND CENSUS DIVISION

### Census Division

Census divisions are groupings of States that are subdivisions of the four census regions. There are nine divisions, which the Census Bureau adopted in 1910 for the presentation of data. The regions, divisions, and their constituent States are:

Northeast Region

New England Division:

Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut

Middle Atlantic Division:

New York, New Jersey, Pennsylvania

Midwest Region

East North Central Division:

Ohio, Indiana, Illinois, Michigan, Wisconsin

West North Central Division:

Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, Kansas

South Region

South Atlantic Division:

Delaware, Maryland, District of Columbia, Virginia,  
West Virginia, North Carolina, South Carolina, Georgia, Florida

East South Central Division:

Kentucky, Tennessee, Alabama, Mississippi

West South Central Division:

Arkansas, Louisiana, Oklahoma, Texas

West Region

Mountain Division:

Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada

Pacific Division:

Washington, Oregon, California, Alaska, Hawaii

Census Region

Census regions are groupings of States that subdivide the United States for the presentation of data. There are four regions--Northeast, Midwest, South, and West. Each of the four census regions is divided into two or more census divisions. Prior to 1984, the Midwest region was named the North Central region. From 1910, when census regions were established, through the 1940's, there were three regions--North, South, and West.

CENSUS TRACT AND BLOCK NUMBERING AREA

Block Numbering Area (BNA)

Block numbering areas (BNA's) are small statistical subdivisions of a county for grouping and numbering blocks in nonmetropolitan counties where local census statistical areas committees have not established census tracts. State agencies and the Census Bureau delineated BNA's

for the 1990 census, using guidelines similar to those for the delineation of census tracts. BNA's do not cross county boundaries.

BNA's are identified by a four-digit basic number and may have a two-digit suffix; for example, 9901.07. The decimal point separating the four-digit basic BNA number from the two-digit suffix is shown in printed reports, in microfiche, and on census maps; in machine-readable files, the decimal point is implied. Many BNA's do not have a suffix; in such cases, the suffix field is left blank in all data products. BNA numbers range from 9501 through 9989.99, and are unique within a county (numbers in the range of 0001 through 9499.99 denote a census tract). The suffix .99 identifies a BNA that was populated entirely by persons aboard one or more civilian or military ships. A "crews-of-vessels" BNA appears on census maps only as an anchor symbol with its BNA number (and block numbers on maps showing block numbers); the BNA relates to the ships associated with the onshore BNA's having the same four-digit basic number. Suffixes in the range .80 through .98 usually identify BNA's that either were revised or were created during the 1990 census data collection activities. Some of these revisions produced BNA's that have extremely small land area and may have little or no population or housing. For data analysis, such a BNA can be summarized with an adjacent BNA.

#### Census Tract

Census tracts are small, relatively permanent statistical subdivisions of a county. Census tracts are delineated for all metropolitan areas (MA's) and other densely populated counties by local census statistical areas committees following Census Bureau guidelines (more than 3,000 census tracts have been established in 221 counties outside MA's). Six States (California, Connecticut, Delaware, Hawaii, New Jersey, and Rhode Island) and the District of Columbia are covered entirely by census tracts. Census tracts usually have between 2,500 and 8,000 persons and, when first delineated, are designed to be homogeneous with respect to population characteristics, economic status, and living conditions. Census tracts do not cross county boundaries. The spatial size of census tracts varies widely depending on the density of settlement. Census tract boundaries are delineated with the intention of being maintained over a long time so that statistical comparisons can be made from census to census. However, physical changes in street patterns caused by highway construction, new development, etc., may require occasional revisions; census tracts occasionally are split due to large population growth, or combined as a result of substantial population decline. Census tracts are referred to as "tracts" in all 1990 data products.

Census tracts are identified by a four-digit basic number and may have a two-digit suffix; for example, 6059.02. The decimal point separating the four-digit basic tract number from the two-digit suffix is shown in printed reports, in microfiche, and on census maps; in machine-readable files, the decimal point is implied. Many census tracts do not have a suffix; in such cases, the suffix field is left blank in all data products. Leading zeros in a census tract number (for example, 002502) are shown only on machine-readable files.

Census tract numbers range from 0001 through 9499.99 and are unique within a county (numbers in the range of 9501 through 9989.99 denote a block numbering area). The suffix .99 identifies a census tract that was populated entirely by persons aboard one or more civilian or military ships. A "crews-of-vessels" census tract appears on census maps only as an anchor symbol with its census tract number (and block numbers on maps showing block numbers). These census tracts relate to the ships associated with the onshore census tract having the same four-digit basic number. Suffixes in the range .80 through .98 usually identify census tracts that either were revised or were created during the 1990 census data collection activities. Some of these revisions may have resulted in census tracts that have extremely small land area and may have little or no population or housing. For data analysis, such a census tract can be summarized with an adjacent census tract.

#### CONGRESSIONAL DISTRICT (CD)

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

The CD's that were in effect on January 1, 1990 were those of the 101st Congress. Data on the 101st Congress appear in an early 1990 census data product (Summary Tape File 1A). The CD's of the 101st Congress are the same as those in effect for the 102nd Congress. CD's of the 103rd Congress, reflecting redistricting based on the 1990 census, are summarized in later 1990 data products (STF's 1D and 3D, and 1990 CPH-4, Population and Housing Characteristics for Congressional Districts of the 103rd Congress printed reports).

#### COUNTY

The primary political divisions of most States are termed "counties." In Louisiana, these divisions are known as "parishes." In Alaska, which has no counties, the county equivalents are the organized "boroughs" and the "census areas" that are delineated for statistical purposes by the State of Alaska and the Census Bureau. In four States (Maryland, Missouri, Nevada, and Virginia), there are one or more cities that are independent of any county organization and thus constitute primary divisions of their States. These cities are known as "independent cities" and are treated as equivalent to counties for statistical purposes. That part of Yellowstone National Park in Montana is treated as a county equivalent. The District of Columbia has no primary divisions, and the entire area is considered equivalent to a county for statistical purposes.

Each county and county equivalent is assigned a three-digit FIPS code that is unique within State. These codes are assigned in alphabetical order of county or county equivalent within State, except for the independent cities, which follow the listing of counties.

## COUNTY SUBDIVISION

County subdivisions are the primary subdivisions of counties and their equivalents for the reporting of decennial census data. They include census county divisions, census subareas, minor civil divisions, and unorganized territories.

Each county subdivision is assigned a three-digit census code in alphabetical order within county and a five-digit FIPS code in alphabetical order within State.

### Census County Division (CCD)

Census county divisions (CCD's) are subdivisions of a county that were delineated by the Census Bureau, in cooperation with State officials and local census statistical areas committees, for statistical purposes. CCD's were established in 21 States where there are no legally established minor civil divisions (MCD's), where the MCD's do not have governmental or administrative purposes, where the boundaries of the MCD's change frequently, and/or where the MCD's are not generally known to the public. CCD's have no legal functions, and are not governmental units.

The boundaries of CCD's usually are delineated to follow visible features, and in most cases coincide with census tract or block numbering area boundaries. The name of each CCD is based on a place, county, or well-known local name that identifies its location. CCD's have been established in the following 21 States: Alabama, Arizona, California, Colorado, Delaware, Florida, Georgia, Hawaii, Idaho, Kentucky, Montana, Nevada, New Mexico, Oklahoma, Oregon, South Carolina, Tennessee, Texas, Utah, Washington, and Wyoming. For the 1980 census, the county subdivisions recognized for Nevada were MCD's.

### Census Subarea (Alaska)

Census subareas are statistical subdivisions of boroughs and census areas (county equivalents) in Alaska. Census subareas were delineated cooperatively by the State of Alaska and the Census Bureau. The census subareas, identified first in 1980, replaced the various types of subdivisions used in the 1970 census.

### Minor Civil Division (MCD)

Minor civil divisions (MCD's) are the primary political or administrative divisions of a county. MCD's represent many different kinds of legal entities with a wide variety of governmental and/or administrative functions. MCD's are variously designated as American Indian reservations, assessment districts, boroughs, election districts, gores, grants, magisterial districts, parish governing authority districts, plantations, precincts, purchases, supervisors' districts, towns, and townships. In some States, all or some incorporated places are not located in any MCD and thus serve as MCD's in their own right. In other States, incorporated places are subordinate to (part of) the MCD's in which they are located, or the pattern is mixed--some incorporated places are independent of MCD's and others are subordinate to one or more MCD's.



The Census Bureau recognizes MCD's in the following 28 States: Arkansas, Connecticut, Illinois, Indiana, Iowa, Kansas, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Hampshire, New Jersey, New York, North Carolina, North Dakota, Ohio, Pennsylvania, Rhode Island, South Dakota, Vermont, Virginia, West Virginia, and Wisconsin. The District of Columbia has no primary divisions, and the entire area is considered equivalent to an MCD for statistical purposes.

The MCD's in 12 selected States (Connecticut, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and Wisconsin) also serve as general-purpose local governments. The Census Bureau presents data for these MCD's in all data products in which it provides data for places.

Unorganized Territory (unorg.)

In nine States (Arkansas, Iowa, Kansas, Louisiana, Maine, Minnesota, North Carolina, North Dakota, and South Dakota), some counties contain territory that is not included in an MCD recognized by the Census Bureau. Each separate area of unorganized territory in these States is recognized as one or more separate county subdivisions for census purposes. Each unorganized territory is given a descriptive name, followed by the designation "unorg."

#### GEOGRAPHIC CODE

Geographic codes are shown primarily on machine-readable data products, such as computer tape and compact disc-read only memory (CD-ROM), but also appear on other products such as microfiche; they also are shown on some census maps. Codes are identified as "census codes" only if there is also a Federal Information Processing Standards (FIPS) code for the same geographic entity. A code that is not identified as either "census" or "FIPS" is usually a census code for which there is no FIPS equivalent, or for which the Census Bureau does not use the FIPS code. The exceptions, which use only the FIPS code in census products, are county, congressional district, and metropolitan area (that is, metropolitan statistical area, consolidated metropolitan statistical area, and primary metropolitan statistical area).

#### Census Code

Census codes are assigned for a variety of geographic entities, including American Indian and Alaska Native area, census division, census region, county subdivision, place, State, urbanized area, and voting district. The structure, format, and meaning of census codes appear in the 1990 census Geographic Identification Code Scheme; in the data dictionary portion of the technical documentation for summary tape files, CD-ROM's, and microfiche.

#### Federal Information Processing Standards (FIPS) Code

Federal Information Processing Standards (FIPS) codes are assigned for a variety of geographic entities, including American Indian and Alaska Native area, congressional district, county, county subdivision, metropolitan area, place, and State. The structure, format, and meaning

of FIPS codes used in the census are shown in the 1990 census Geographic Identification Code Scheme; in the data dictionary portion of the technical documentation for summary tape files, CD-ROM's, and microfiche.

The objective of the FIPS codes is to improve the use of data resources of the Federal Government and avoid unnecessary duplication and incompatibilities in the collection, processing, and dissemination of data. More information about FIPS and FIPS code documentation is available from the National Technical Information Service, Springfield, VA 22161.

#### United States Postal Service (USPS) Code

United States Postal Service (USPS) codes for States are used in all 1990 data products. The codes are two-character alphabetic abbreviations. These codes are the same as the FIPS two-character alphabetic abbreviations.

#### GEOGRAPHIC PRESENTATION

##### Hierarchical Presentation

A hierarchical geographic presentation shows the geographic entities in a superior/subordinate structure in census products. This structure is derived from the legal, administrative, or areal relationships of the entities. The hierarchical structure is depicted in report tables by means of indentation, and is explained for machine-readable media in the discussion of file structure in the geographic coverage portion of the abstract in the technical documentation. An example of hierarchical presentation is the "standard census geographic hierarchy":  
block, within block group, within census tract or block numbering area, within place, within county subdivision, within county, within State, within division, within region, within the United States. Graphically, this is shown as:

```
United States
  Region
    Division
      State
        County
          County subdivision
            Place (or part)
              Census tract/block numbering area (or part)
                Block group (or part)
                  Block
```

##### Inventory Presentation

An inventory presentation of geographic entities is one in which all entities of the same type are shown in alphabetical or code sequence, without reference to their hierarchical relationships. Generally, an inventory presentation shows totals for entities that may be split in a hierarchical presentation, such as place, census tract/block numbering area, or block group. An example of a series of

inventory presentations is: State, followed by all the counties in that State, followed by all the places in that State. Graphically, this is shown as:

State

County "A"

County "B"

County "C"

Place "X"

Place "Y"

Place "Z"

#### HISTORICAL COUNTS

Historical counts for total population and total housing units are shown in the 1990 CPH-2, Population and Housing Unit Counts report series. As in past censuses, the general rule for presenting historical data for States, counties, county subdivisions, and places is to show historical counts only for single, continually existing entities. Stated another way, if an entity existed for both the current and preceding censuses, the tables show counts for the preceding censuses. Included in this category are entities of the same type (county, county subdivision, place) even if they had changed their names. Also included are entities that merged, but only if the new entity retained the name of one of the merged entities. The historical counts shown are for each entity as it was bounded at each census.

In cases where an entity was formed since a preceding census, such as a newly incorporated place or a newly organized township, the symbol three dots "..." is shown for earlier censuses. The three-dot symbol also is shown for those parts of a place that have extended into an additional county or county subdivision through annexation or other revision of boundaries since the preceding census.

In a few cases, changes in the boundaries of county subdivisions caused a place to be split into two or more parts, or to be split differently than in the preceding census. If historical counts for the parts of the place as currently split did not appear in a preceding census, "(NA)" is shown for the place in each county subdivision; however, the historical population and housing unit counts of the place appear in tables that show the entire place. For counties, county subdivisions, and places formed since January 1, 1980, 1980 census population and housing unit counts in the 1990 territory are reported in the geographic change notes included in the "User Notes" text section of 1990 CPH-2, Population and Housing Unit Counts, and in the technical documentation of Summary Tape Files 1 and 3.

In some cases, population and housing unit counts for individual areas were revised since publication of the 1980 reports (indicated by the prefix "r"). In a number of tables of 1990 CPH-2, Population and Housing Unit Counts, 1980 counts are shown for aggregations of individual areas, such as the number, population, and housing unit counts of places in size groups, or urban and rural distributions. Revisions of population and housing unit counts for individual areas were not applied to the various aggregations.

Therefore, it may not be possible to determine the individual areas in a given aggregation using the historical counts; conversely, the sum of the counts shown for individual areas may not agree with the aggregation.

#### INTERNAL POINT

An internal point is a set of geographic coordinates (latitude and longitude) that is located within a specified geographic entity. A single point is identified for each entity; for many entities, this point represents the approximate geographic center of that entity. If the shape of the entity caused this point to be located outside the boundaries of the entity, it is relocated from the center so that it is within the entity. If the internal point for a block falls in a water area, it is relocated to a land area within the block. On machine-readable products, internal points are shown to six decimal places; the decimal point is implied.

#### METROPOLITAN AREA (MA)

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

The MA classification is a statistical standard, developed for use by Federal agencies in the production, analysis, and publication of data on MA's. The MA's are designated and defined by the Federal Office of Management and Budget, following a set of official published standards. These standards were developed by the interagency Federal Executive Committee on Metropolitan Areas, with the aim of producing definitions that are as consistent as possible for all MA's nationwide.

Each MA must contain either a place with a minimum population of 50,000 or a Census Bureau-defined urbanized area and a total MA population of at least 100,000 (75,000 in New England). An MA comprises one or more central counties. An MA also may include one or more outlying counties that have close economic and social relationships with the central county. An outlying county must have a specified level of commuting to the central counties and also must meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. In New England, MA's are composed of cities and towns rather than whole counties.

The territory, population, and housing units in MA's are referred to as "metropolitan." The metropolitan category is subdivided into "inside central city" and "outside central city." The territory, population, and housing units located outside MA's are referred to as "nonmetropolitan." The metropolitan and nonmetropolitan classification cuts across the other hierarchies; for example, there is generally both urban and rural territory within both metropolitan and nonmetropolitan areas.

To meet the needs of various users, the standards provide for a flexible structure of metropolitan definitions that classify an MA either as a metropolitan statistical area (MSA) or as a consolidated metropolitan statistical area (CMSA) that is divided into primary

metropolitan statistical areas (PMSA's). Documentation of the MA standards and how they are applied is available from the Secretary, Federal Executive Committee on Metropolitan Areas, Population Division, U.S. Bureau of the Census, Washington, DC 20233.

#### Central City

In each MSA and CMSA, the largest place and, in some cases, additional places are designated as "central cities" under the official standards. A few PMSA's do not have central cities. The largest central city and, in some cases, up to two additional central cities are included in the title of the MA; there also are central cities that are not included in an MA title. An MA central city does not include any part of that city that extends outside the MA boundary.

#### Consolidated and Primary Metropolitan Statistical Area (CMSA and PMSA)

If an area that qualifies as an MA has more than one million persons, primary metropolitan statistical areas (PMSA's) may be defined within it. PMSA's consist of a large urbanized county or cluster of counties that demonstrates very strong internal economic and social links, in addition to close ties to other portions of the larger area. When PMSA's are established, the larger area of which they are component parts is designated a consolidated metropolitan statistical area (CMSA).

#### Metropolitan Statistical Area (MSA)

Metropolitan statistical areas (MSA's) are relatively freestanding MA's and are not closely associated with other MA's. These areas typically are surrounded by nonmetropolitan counties.

#### Metropolitan Area Title and Code

The title of an MSA contains the name of its largest central city and up to two additional city names, provided that the additional places meet specified levels of population, employment, and commuting. Generally, a city with a population of 250,000 or more is in the title, regardless of other criteria.

The title of a PMSA may contain up to three place names, as determined above, or up to three county names, sequenced in order of population. A CMSA title also may include up to three names, the first of which generally is the most populous central city in the area. The second name may be the first city or county name in the most populous remaining PMSA; the third name may be the first city or county name in the next most populous PMSA. A regional designation may be substituted for the second and/or third names in a CMSA title if such a designation is supported by local opinion and is deemed to be unambiguous and suitable by the Office of Management and Budget.

The titles for all MA's also contain the name of each State in which the area is located. Each metropolitan area is assigned a four-digit FIPS code, in alphabetical order nationwide. If the fourth digit of the code is a "2," it identifies a CMSA. Additionally, there is a

separate set of two-digit codes for CMSA's, also assigned alphabetically.

#### OUTLYING AREAS OF THE UNITED STATES

The Census Bureau treats the outlying areas as the statistical equivalents of States for the 1990 census. The outlying areas are American Samoa, Guam, the Commonwealth of the Northern Mariana Islands (Northern Mariana Islands), Republic of Palau (Palau), Puerto Rico, and the Virgin Islands of the United States (Virgin Islands). Geographic definitions specific to each outlying area are shown in appendix A of the text in the data products for each area.

#### PLACE

Places, for the reporting of decennial census data, include census designated places and incorporated places. Each place is assigned a four-digit census code that is unique within State. Each place is also assigned a five-digit FIPS code that is unique within State. Both the census and FIPS codes are assigned based on alphabetical order within State. Consolidated cities (see below) are assigned a one-character alphabetical census code that is unique nationwide and a five-digit FIPS code that is unique within State.

#### Census Designated Place (CDP)

Census designated places (CDP's) are delineated for the decennial census as the statistical counterparts of incorporated places. CDP's comprise densely settled concentrations of population that are identifiable by name, but are not legally incorporated places. Their boundaries, which usually coincide with visible features or the boundary of an adjacent incorporated place, have no legal status, nor do these places have officials elected to serve traditional municipal functions. CDP boundaries may change with changes in the settlement pattern; a CDP with the same name as in previous censuses does not necessarily have the same boundaries.

Beginning with the 1950 census, the Census Bureau, in cooperation with State agencies and local census statistical areas committees, has identified and delineated boundaries for CDP's. In the 1990 census, the name of each such place is followed by "CDP." In the 1980 census, "(CDP)" was used; in 1970, 1960, and 1950 censuses, these places were identified by "(U)," meaning "unincorporated place."

To qualify as a CDP for the 1990 census, an unincorporated community must have met the following criteria:

1. In all States except Alaska and Hawaii, the Census Bureau uses three population size criteria to designate a CDP. These criteria are:
  - a. 1,000 or more persons if outside the boundaries of an urbanized area (UA) delineated for the 1980 census or a subsequent special census.
  - b. 2,500 or more persons if inside the boundaries of a UA delineated for the 1980 census or a subsequent special census.

- c. 250 or more persons if outside the boundaries of a UA delineated for the 1980 census or a subsequent special census, and within the official boundaries of an American Indian reservation recognized for the 1990 census.
2. In Alaska, 25 or more persons if outside a UA, and 2,500 or more persons if inside a UA delineated for the 1980 census or a subsequent special census.
3. In Hawaii, 300 or more persons, regardless of whether the community is inside or outside a UA.

For the 1990 census, CDP's qualified on the basis of the population counts prepared for the 1990 Postcensus Local Review Program. Because these counts were subject to change, a few CDP's may have final population counts lower than the minimums shown above.

Hawaii is the only State with no incorporated places recognized by the Bureau of the Census. All places shown for Hawaii in the data products are CDP's. By agreement with the State of Hawaii, the Census Bureau does not show data separately for the city of Honolulu, which is coextensive with Honolulu County.

#### Consolidated City

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

The data presentation for consolidated cities varies depending upon the geographic presentation. In hierarchical presentations, consolidated cities are not shown. These presentations include the semi-independent places and the "consolidated city (remainder)." Where the consolidated city is coextensive with a county or county subdivision, the data shown for those areas in hierarchical presentations are equivalent to those for the consolidated government.

For inventory geographic presentations, the consolidated city appears at the end of the listing of places. The data for the consolidated city include places that are part of the consolidated city. The "consolidated city (remainder)" is the portion of the consolidated government minus the semi-independent places, and is shown in alphabetical sequence with other places.

In summary presentations by size of place, the consolidated city is not included. The places semi-independent of consolidated cities are categorized by their size, as is the "consolidated city (remainder)."

Each consolidated city is assigned a one-character alphabetic census code. Each consolidated city also is assigned a five-digit FIPS code that is unique within State. The semi-independent places and the "consolidated city (remainder)" are assigned a four-digit census code and a five-digit FIPS place code that are unique within State. Both the census and FIPS codes are assigned based on alphabetical order within State.

#### Incorporated Place

Incorporated places recognized in 1990 census data products are those reported to the Census Bureau as legally in existence on January 1, 1990 under the laws of their respective States as cities, boroughs, towns, and villages, with the following exceptions: the towns in the New England States, New York, and Wisconsin, and the boroughs in New York are recognized as minor civil divisions for census purposes; the boroughs in Alaska are county equivalents.

#### POPULATION or housing unit DENSITY

Population or housing unit density is computed by dividing the total population or housing units of a geographic unit (for example, United States, State, county, place) by its land area measured in square kilometers or square miles. Density is expressed as both "persons (or housing units) per square kilometer" and "persons (or housing units) per square mile" of land area in 1990 census printed reports.

#### STATE

States are the primary governmental divisions of the United States. The District of Columbia is treated as a statistical equivalent of a State for census purposes. The four census regions, nine census divisions, and their component States are shown under "CENSUS REGION AND CENSUS DIVISION" in this appendix.

The Census Bureau treats the outlying areas as State equivalents for the 1990 census. The outlying areas are American Samoa, Guam, the Northern Mariana Islands, Palau, Puerto Rico, and the Virgin Islands of the United States. Geographic definitions specific to each outlying area are shown in appendix A in the data products for each area.

Each State and equivalent is assigned a two-digit numeric Federal Information Processing Standards (FIPS) code in alphabetical order by State name, followed by the outlying area names. Each State and equivalent area also is assigned a two-digit census code. This code is assigned on the basis of the geographic sequence of each State within each census division; the first digit of the code is the code for the respective division. Puerto Rico, the Virgin Islands, and the outlying areas of the Pacific are assigned "0" as the division code. Each State and equivalent area also is assigned the two-letter FIPS/United States Postal Service (USPS) code.

In 12 selected States (Connecticut, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and Wisconsin), the minor civil divisions also serve as general-purpose local governments. The Census Bureau presents data for



these minor civil divisions in all data products in which it provides data for places.

#### TIGER

TIGER is an acronym for the new digital (computer-readable) geographic data base that automates the mapping and related geographic activities required to support the Census Bureau's census and survey programs. The Census Bureau developed the Topologically Integrated Geographic Encoding and Referencing (TIGER) System to automate the geographic support processes needed to meet the major geographic needs of the 1990 census: producing the cartographic products to support data collection and map publication, providing the geographic structure for tabulation and publication of the collected data, assigning residential and employer addresses to their geographic location and relating those locations to the Census Bureau's geographic units, and so forth. The content of the TIGER data base is made available to the public through a variety of "TIGER Extract" files that may be obtained from the Data User Services Division, U.S. Bureau of the Census, Washington, DC 20233.

#### UNITED STATES

The United States comprises the 50 States and the District of Columbia. In addition, the Census Bureau treats the outlying areas as statistical equivalents of States for the 1990 census. The outlying areas include American Samoa, Guam, the Northern Mariana Islands, Palau, Puerto Rico, and the Virgin Islands.

#### URBAN AND RURAL

The Census Bureau defines "urban" for the 1990 census as comprising all territory, population, and housing units in urbanized areas and in places of 2,500 or more persons outside urbanized areas. More specifically, "urban" consists of territory, persons, and housing units in:

1. Places of 2,500 or more persons incorporated as cities, villages, boroughs (except in Alaska and New York), and towns (except in the six New England States, New York, and Wisconsin), but excluding the rural portions of "extended cities."
2. Census designated places of 2,500 or more persons.
3. Other territory, incorporated or unincorporated, included in urbanized areas.

Territory, population, and housing units not classified as urban constitute "rural." In the 100-percent data products, "rural" is divided into "places of less than 2,500" and "not in places." The "not in places" category comprises "rural" outside incorporated and census designated places and the rural portions of extended cities. In many data products, the term "other rural" is used; "other rural" is a residual category specific to the classification of the rural in each data product.

In the sample data products, rural population and housing units are subdivided into "rural farm" and "rural nonfarm." "Rural farm" comprises all rural households and housing units on farms (places from which \$1,000 or more of agricultural products were sold in 1989); "rural nonfarm" comprises the remaining rural.

The urban and rural classification cuts across the other hierarchies; for example, there is generally both urban and rural territory within both metropolitan and nonmetropolitan areas.

In censuses prior to 1950, "urban" comprised all territory, persons, and housing units in incorporated places of 2,500 or more persons, and in areas (usually minor civil divisions) classified as urban under special rules relating to population size and density. The definition of urban that restricted itself to incorporated places having 2,500 or more persons excluded many large, densely settled areas merely because they were not incorporated. Prior to the 1950 census, the Census Bureau attempted to avoid some of the more obvious omissions by classifying selected areas as "urban under special rules." Even with these rules, however, many large, closely built-up areas were excluded from the urban category.

To improve its measure of urban territory, population, and housing units, the Census Bureau adopted the concept of the urbanized area and delineated boundaries for unincorporated places (now, census designated places) for the 1950 census. Urban was defined as territory, persons, and housing units in urbanized areas and, outside urbanized areas, in all places, incorporated or unincorporated, that had 2,500 or more persons. With the following three exceptions, the 1950 census definition of urban has continued substantially unchanged. First, in the 1960 census (but not in the 1970, 1980, or 1990 censuses), certain towns in the New England States, townships in New Jersey and Pennsylvania, and Arlington County, Virginia, were designated as urban. However, most of these "special rule" areas would have been classified as urban anyway because they were included in an urbanized area or in an unincorporated place of 2,500 or more persons. Second, "extended cities" were identified for the 1970, 1980, and 1990 censuses. Extended cities primarily affect the figures for urban and rural territory (area), but have very little effect on the urban and rural population and housing units at the national and State levels--although for some individual counties and urbanized areas, the effects have been more evident. Third, changes since the 1970 census in the criteria for defining urbanized areas have permitted these areas to be defined around smaller centers.

Documentation of the urbanized area and extended city criteria is available from the Chief, Geography Division, U.S. Bureau of the Census, Washington, DC 20233.

#### Extended City

Since the 1960 census, there has been a trend in some States toward the extension of city boundaries to include territory that is essentially rural in character. The classification of all the population and living quarters of such places as urban would include in the urban designation territory, persons, and housing units whose environment is primarily rural. For the 1970, 1980, and 1990 censuses,

the Census Bureau identified as rural such territory and its population and housing units for each extended city whose closely settled area was located in an urbanized area. For the 1990 census, this classification also has been applied to certain places outside urbanized areas.

In summary presentations by size of place, the urban portion of an extended city is classified by the population of the entire place; the rural portion is included in "other rural."

#### URBANIZED AREA (UA)

The Census Bureau delineates urbanized areas (UA's) to provide a better separation of urban and rural territory, population, and housing in the vicinity of large places. A UA comprises one or more places ("central place") and the adjacent densely settled surrounding territory ("urban fringe") that together have a minimum of 50,000 persons. The urban fringe generally consists of contiguous territory having a density of least 1,000 persons per square mile. The urban fringe also includes outlying territory of such density if it was connected to the core of the contiguous area by road and is within 1 1/2 road miles of that core, or within 5 road miles of the core but separated by water or other undevelopable territory. Other territory with a population density of fewer than 1,000 people per square mile is included in the urban fringe if it eliminates an enclave or closes an indentation in the boundary of the urbanized area. The population density is determined by (1) outside of a place, one or more contiguous census blocks with a population density of at least 1,000 persons per square mile or (2) inclusion of a place containing census blocks that have at least 50 percent of the population of the place and a density of at least 1,000 persons per square mile. The complete criteria are available from the Chief, Geography Division, U.S. Bureau of the Census, Washington, DC 20233.

#### Urbanized Area Central Place

One or more central places function as the dominant centers of each UA. The identification of a UA central place permits the comparison of this dominant center with the remaining territory in the UA. There is no limit on the number of central places, and not all central places are necessarily included in the UA title. UA central places include:

Each place entirely (or partially, if the place is an extended city) within the UA that is a central city of a metropolitan area (MA).

If the UA does not contain an MA central city or is located outside of an MA, the central place(s) is determined by population size.

#### Urbanized Area Title and Code

The title of a UA identifies those places that are most important within the UA; it links the UA to the encompassing MA, where appropriate. If a single MA includes most of the UA, the title and code of the UA generally are the same as the title and code of the MA. If the UA is not mostly included in a single MA, if it does not include any place that is a central city of the encompassing MA, or if it is not located in an MA, the Census Bureau uses the population size of the included places, with a preference for incorporated places, to

determine the UA title. The name of each State in which the UA is located also is in each UA title.

The numeric code used to identify each UA is the same as the code for the mostly encompassing MA (including CMSA and PMSA). If MA title cities represent multiple UA's, or the UA title city does not correspond to the first name of an MA title, the Census Bureau assigns a code based on the alphabetical sequence of the UA title in relationship to the other UA and MA titles.

#### VOTING DISTRICT (VTD)

A voting district (VTD) is any of a variety of types of areas (for example, election districts, precincts, wards, legislative districts) established by State and local governments for purposes of elections. For census purposes, each State participating in Phase 2 of the 1990 Census Redistricting Data Program outlined the boundaries of VTD's around groups of whole census blocks on census maps. The entities identified as VTD's are not necessarily those legally or currently established. Also, to meet the "whole block" criterion, a State may have had to adjust VTD boundaries to nearby block boundaries. Therefore, the VTD's shown on the 1990 census tapes, listings, and maps may not represent the actual VTD's in effect at the time of the census. In the 1980 census, VTD's were referred to as "election precincts."

Each VTD is assigned a four-character alphanumeric code that is unique within each county. The code "ZZZZ" is assigned to nonparticipating areas; the Census Bureau reports data for areas coded "ZZZZ."

#### ZIP CODE\R

ZIP Codes are administrative units established by the United States Postal Service (USPS) for the distribution of mail. ZIP Codes serve addresses for the most efficient delivery of mail, and therefore generally do not respect political or census statistical area boundaries. ZIP Codes usually do not have clearly identifiable boundaries, often serve a continually changing area, are changed periodically to meet postal requirements, and do not cover all the land area of the United States. ZIP Codes are identified by five-digit codes assigned by the USPS. The first three digits identify a major city or sectional distribution center, and the last two digits generally signify a specific post office's delivery area or point. For the 1990 census, ZIP Code data are tabulated for the five-digit codes in STF 3B.

**APPENDIX B. Definitions of Subject Characteristics**

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#### POPULATION CHARACTERISTICS

AGE--The data on age were derived from answers to questionnaire item 5, which was asked of all persons. The age classification is based on the age of the person in complete years as of April 1, 1990. The age response in question 5a was used normally to represent a person's age. However, when the age response was unacceptable or unavailable, a person's age was derived from an acceptable year-of-birth response in question 5b.

Data on age are used to determine the applicability of other questions for a person and to classify other characteristics in census tabulations. Age data are needed to interpret most social and economic characteristics used to plan and examine many programs and policies. Therefore, age is tabulated by single years of age and by many different groupings, such as 5-year age groups.

Some tabulations are shown by the age of the householder. These data were derived from the age responses for each householder. (For more information on householder, see the discussion under "Household Type and Relationship.")

Median Age--This measure divides the age distribution into two equal parts: one-half of the cases falling below the median value and one-half above the value. Generally, median age is computed on the basis of more detailed age intervals than are shown in some census publications; thus, a median based on a less detailed distribution may differ slightly from a corresponding median for the same population based on a more detailed distribution. (For more information on medians, see the discussion under "Derived Measures.")

Limitation of the Data--Counts in 1970 and 1980 for persons 100 years old and over were substantially overstated. Improvements were made in the questionnaire design, in the allocation procedures, and to the respondent instruction guide to attempt to minimize this problem for the 1990 census.

Review of detailed 1990 census information indicated that respondents tended to provide their age as of the date of completion of the questionnaire, not their age as of April 1, 1990. In addition, there may have been a tendency for respondents to round their age up if they were close to having a birthday. It is likely that approximately 10 percent of persons in most age groups are actually 1 year younger. For most single years of age, the misstatements are largely offsetting. The problem is most pronounced at age 0 because persons lost to age 1 may not have been fully offset by the inclusion of babies born after April 1, 1990,

and because there may have been more rounding up to age 1 to avoid reporting age as 0 years. (Age in complete months was not collected for infants under age 1.)

The reporting of age 1 year older than age on April 1, 1990, is likely to have been greater in areas where the census data were collected later in 1990. The magnitude of this problem was much less in the three previous censuses where age was typically derived from respondent data on year of birth and quarter of birth. (For more information on the design of the age question, see the section below that discusses "Comparability.")

Comparability--Age data have been collected in every census. For the first time since 1950, the 1990 data are not available by quarter year of age. This change was made so that coded information could be obtained for both age and year of birth. In each census since 1940, the age of a person was assigned when it was not reported. In censuses before 1940, with the exception of 1880, persons of unknown age were shown as a separate category. Since 1960, assignment of unknown age has been performed by a general procedure described as "imputation." The specific procedures for imputing age have been different in each census. (For more information on imputation, see Appendix C, Accuracy of the Data.)

ANCESTRY--The data on ancestry were derived from answers to questionnaire item 13, which was asked of a sample of persons. The question was based on self-identification; the data on ancestry represent self-classification by people according to the ancestry group(s) with which they most closely identify. Ancestry refers to a person's ethnic origin or descent, "roots," or heritage or the place of birth of the person or the person's parents or ancestors before their arrival in the United States. Some ethnic identities, such as "Egyptian" or "Polish" can be traced to geographic areas outside the United States, while other ethnicities such as "Pennsylvania Dutch" or "Cajun" evolved in the United States.

The intent of the ancestry question was not to measure the degree of attachment the respondent had to a particular ethnicity. For example, a response of "Irish" might reflect total involvement in an "Irish" community or only a memory of ancestors several generations removed from the individual.

The Census Bureau coded the responses through an automated review, edit, and coding operation. The open-ended write-in ancestry item was coded by subject-matter specialists into a numeric representation using a code list containing over 1,000 categories. The 1990 code list reflects the results of the Census Bureau's own research and consultations with many ethnic experts. Many decisions were made to determine the classification of responses. These decisions affected the grouping of the tabulated data. For example, the "Assyrian" category includes both responses of "Assyrian" and "Chaldean."

The ancestry question allowed respondents to report one or more ancestry groups. While a large number of respondents listed a single ancestry, the majority of answers included more than one ethnic entry. Generally, only the first two responses reported were coded in 1990. If a response was in terms of a dual ancestry, for example, Irish-English,

the person was assigned two codes, in this case one for Irish and another for English.

However, in certain cases, multiple responses such as "French Canadian," "Scotch-Irish," "Greek Cypriote," and "Black Dutch" were assigned a single code reflecting their status as unique groups. If a person reported one of these unique groups in addition to another group, for example, "Scotch-Irish English," resulting in three terms, that person received one code for the unique group ("Scotch-Irish") and another one for the remaining group ("English"). If a person reported "English Irish French," only English and Irish were coded. Certain combinations of ancestries where the ancestry group is a part of another, such as "German-Bavarian," the responses were coded as a single ancestry using the smaller group ("Bavarian"). Also, responses such as "Polish-American" or "Italian-American" were coded and tabulated as a single entry ("Polish" or "Italian").

The Census Bureau accepted "American" as a unique ethnicity if it was given alone, with an ambiguous response, or with State names. If the respondent listed any other ethnic identity such as "Italian American," generally the "American" portion of the response was not coded. However, distinct groups such as "American Indian," "Mexican American," and "African American" were coded and identified separately because they represented groups who considered themselves different from those who reported as "Indian," "Mexican," or "African," respectively.

In all tabulations, when respondents provided an unacceptable ethnic identity (for example, an uncodeable or unintelligible response such as "multi-national," "adopted," or "I have no idea"), the answer was included in "Ancestry not reported."

The tabulations on ancestry are presented using two types of data presentations--one used total persons as the base, and the other used total responses as the base. The following are categories shown in the two data presentations:

#### Presentation Based on Persons:

Single Ancestries Reported--Includes all persons who reported only one ethnic group. Included in this category are persons with multiple-term responses such as "Scotch-Irish" who are assigned a single code.

Multiple Ancestries Reported--Includes all persons who reported more than one group and were assigned two ancestry codes.

Ancestry Unclassified--Includes all persons who provided a response that could not be assigned an ancestry code because they provided nonsensical entries or religious responses.

#### Presentations Based on Responses:

Total Ancestries Reported--Includes the total number of ancestries reported and coded. If a person reported a multiple ancestry such as "French Danish," that response was counted twice in the tabulations--once in the "French" category and again in the "Danish" category. Thus, the

sum of the counts in this type of presentation is not the total population but the total of all responses.

First Ancestry Reported--Includes the first response of all persons who reported at least one codeable entry. For example, in this category, the count for "Danish" would include all those who reported only Danish and those who reported Danish first and then some other group.

Second Ancestry Reported--Includes the second response of all persons who reported a multiple ancestry. Thus, the count for "Danish" in this category includes all persons who reported Danish as the second response, regardless of the first response provided.

The Census Bureau identified hundreds of ethnic groups in the 1990 census. However, it was impossible to show information for every group in all census tabulations because of space constraints. Publications such as the 1990 CP-2, Social and Economic Characteristics and the 1990 CPH-3, Population and Housing Characteristics for Census Tracts and Block Numbering Areas reports show a limited number of groups based on the number reported and the advice received from experts. A more complete distribution of groups is presented in the 1990 Summary Tape File 4, supplementary reports, and a special subject report on ancestry. In addition, groups identified specifically in the questions on race and Hispanic origin (for example, Japanese, Laotian, Mexican, Cuban, and Spaniard), in general, are not shown separately in ancestry tabulations.

Limitation of the Data--Although some experts consider religious affiliation a component of ethnic identity, the ancestry question was not designed to collect any information concerning religion. The Bureau of the Census is prohibited from collecting information on religion. Thus, if a religion was given as an answer to the ancestry question, it was coded as an "Other" response.

Comparability--A question on ancestry was first asked in the 1980 census. Although there were no comparable data prior to the 1980 census, related information on ethnicity was collected through questions on parental birthplace, own birthplace, and language which were included in previous censuses. Unlike other census questions, there was no imputation for nonresponse to the ancestry question.

In 1990, respondents were allowed to report more than one ancestry group; however, only the first two ancestry groups identified were coded. In 1980, the Census Bureau attempted to code a third ancestry for selected triple-ancestry responses.

New categories such as "Arab" and "West Indian" were added to the 1990 question to meet important data needs. The "West Indian" category excluded "Hispanic" groups such as "Puerto Rican" and "Cuban" that were identified primarily through the question on Hispanic origin. In 1990, the ancestry group, "American" is recognized and tabulated as a unique ethnicity. In 1980, "American" was tabulated but included under the category "Ancestry not specified."

A major improvement in the 1990 census was the use of an automated coding system for ancestry responses. The automated coding system used in the 1990 census greatly reduced the potential for error associated

with a clerical review. Specialists with a thorough knowledge of the subject matter reviewed, edited, coded, and resolved inconsistent or incomplete responses.

CITIZENSHIP--The data on citizenship were derived from answers to questionnaire item 9, which was asked of a sample of persons.

Citizen--Persons who indicated that they were native-born and foreign-born persons who indicated that they have become naturalized. (For more information on native and foreign born, see the discussion under "Place of Birth.")

There are four categories of citizenship: (1) born in the United States, (2) born in Puerto Rico, Guam, the Virgin Islands of the United States, or the Commonwealth of the Northern Mariana Islands, (3) born abroad of American parents, and (4) citizen by naturalization.

Naturalized Citizen--Foreign-born persons who had completed the naturalization process at the time of the census and upon whom the rights of citizenship had been conferred.

Not a Citizen--Foreign-born persons who were not citizens, including persons who had begun but not completed the naturalization process at the time of the census.

Limitation of the Data--Evaluation studies completed after previous censuses indicated that some persons may have reported themselves as citizens although they had not yet attained the status.

Comparability--Similar questions on citizenship were asked in the censuses of 1820, 1830, 1870, 1890 through 1950, 1970, and 1980. The 1980 question was asked of a sample of the foreign-born population. In 1990, both native and foreign-born persons who received the long-form questionnaire were asked to respond to the citizenship question.

EDUCATIONAL ATTAINMENT--Data on educational attainment were derived from answers to questionnaire item 12, which was asked of a sample of persons. Data are tabulated as attainment for persons 15 years old and over. Persons are classified according to the highest level of school completed or the highest degree received. The question included instructions to report the level of the previous grade attended or the highest degree received for persons currently enrolled in school. The question included response categories which allowed persons to report completing the 12th grade without receiving a high school diploma, and which instructed respondents to report as "high school graduate(s)"--persons who received either a high school diploma or the equivalent, for example, passed the Test of General Educational Development (G.E.D.), and did not attend college. (On the Military Census Report questionnaire, the lowest response category was "Less than 9th grade.")

Instructions included in the 1990 respondent instruction guide, which was mailed with the census questionnaire, further specified that schooling completed in foreign or ungraded school systems should be reported as the equivalent level of schooling in the regular American system; that vocational certificates or diplomas from vocational, trade, or business schools or colleges were not to be reported unless they were college level degrees; and that honorary degrees were not to

be reported. The instructions gave "medicine, dentistry, chiropractic, optometry, osteopathic medicine, pharmacy, podiatry, veterinary medicine, law, and theology" as examples of professional school degrees, and specifically excluded "barber school, cosmetology, or other training for a specific trade" from the professional school category. The order in which they were listed suggested that doctorate degrees were "higher" than professional school degrees, which were "higher" than master's degrees.

Persons who did not report educational attainment were assigned the attainment of a person of the same age, race or Spanish origin, and sex who resided in the same or a nearby area. Persons who filled more than one circle were edited to the highest level or degree reported.

High School Graduate or Higher--Includes persons whose highest degree was a high school diploma or its equivalent, persons who attended college or professional school, and persons who received a college, university, or professional degree. Persons who reported completing the 12th grade but not receiving a diploma are not included.

Not Enrolled, Not High School Graduate--Includes persons of compulsory school attendance age or above who were not enrolled in school and were not high school graduates; these persons may be taken to be "high school dropouts." There is no restriction on when they "dropped out" of school, and they may have never attended high school.

In prior censuses, "Median school years completed" was used as a summary measure of educational attainment. In 1990, the median can only be calculated for groups of which less than half the members have attended college. "Percent high school graduate or higher" and "Percent bachelor's degree or higher" are summary measures which can be calculated from the present data and offer quite readily interpretable measures of differences between population subgroups. To make comparisons over time, "Percent high school graduate or higher" can be calculated and "Percent bachelor's degree or higher" can be approximated with data from previous censuses.

Comparability--From 1840 to 1930, the census measured educational attainment by means of a basic literacy question. In 1940, a single question was asked on highest grade of school completed. In the censuses of 1950 through 1980, a two-part question asking highest grade of school attended and whether that grade was finished was used to construct highest grade or year of school completed. For persons who have not attended college, the response categories in the 1990 educational attainment question should produce data which are comparable to data on highest grade completed from earlier censuses.

The response categories for persons who have attended college were modified from earlier censuses because there was some ambiguity in interpreting responses in terms of the number of years of college completed. For instance, it was not clear whether "completed the fourth year of college," "completed the senior year of college," and "college graduate" were synonymous. Research conducted shortly before the census suggests that these terms were more distinct in 1990 than in earlier decades, and this change may have threatened the ability to estimate the number of "college graduates" from the number of persons reported as having completed

the fourth or a higher year of college. It was even more difficult to make inferences about post-baccalaureate degrees and "Associate" degrees from highest year of college completed. Thus, comparisons of post-secondary educational attainment in this and earlier censuses should be made with great caution.

In the 1960 and subsequent censuses, persons for whom educational attainment was not reported were assigned the same attainment level as a similar person whose residence was in the same or a nearby area. In the 1940 and 1950 censuses, persons for whom educational attainment was not reported were not allocated.

EMPLOYMENT STATUS--The data on employment status were derived from answers to questionnaire items 21, 25, and 26, which were asked of a sample of persons. The series of questions on employment status was asked of all persons 15 years old and over and was designed to identify, in this sequence: (1) persons who worked at any time during the reference week; (2) persons who did not work during the reference week but who had jobs or businesses from which they were temporarily absent (excluding layoff); (3) persons on layoff; and (4) persons who did not work during the reference week, but who were looking for work during the last four weeks and were available for work during the reference week. (For more information, see the discussion under "Reference Week.")

The employment status data shown in this and other 1990 census tabulations relate to persons 16 years old and over. Some tabulations showing employment status, however, include persons 15 years old. By definition, these persons are classified as "Not in Labor Force.". In the 1940, 1950, and 1960 censuses, employment status data were presented for persons 14 years old and over. The change in the universe was made in 1970 to agree with the official measurement of the labor force as revised in January 1967 by the U.S. Department of Labor. The 1970 census was the last to show employment data for persons 14 and 15 years old.

Employed--All civilians 16 years old and over who were either (1) "at work"--those who did any work at all during the reference week as paid employees, worked in their own business or profession, worked on their own farm, or worked 15 hours or more as unpaid workers on a family farm or in a family business; or (2) were "with a job but not at work"--those who did not work during the reference week but had jobs or businesses from which they were temporarily absent due to illness, bad weather, industrial dispute, vacation, or other personal reasons. Excluded from the employed are persons whose only activity consisted of work around the house or unpaid volunteer work for religious, charitable, and similar organizations; also excluded are persons on active duty in the United States Armed Forces.

Unemployed--All civilians 16 years old and over are classified as unemployed if they (1) were neither "at work" nor "with a job but not at work" during the reference week, and (2) were looking for work during the last 4 weeks, and (3) were available to accept a job. Also included as unemployed are civilians who did not work at all during the reference week and were waiting to be called back to a job from which they had been laid off. Examples of job seeking activities are:



Registering at a public or private employment office

Meeting with prospective employers

Investigating possibilities for starting a professional practice or opening a business

Placing or answering advertisements

Writing letters of application

Being on a union or professional register

Civilian Labor Force--Consists of persons classified as employed or unemployed in accordance with the criteria described above.

Experienced Unemployed--These are unemployed persons who have worked at any time in the past.

Experienced Civilian Labor Force--Consists of the employed and the experienced unemployed.

Labor Force--All persons classified in the civilian labor force plus members of the U.S. Armed Forces (persons on active duty with the United States Army, Air Force, Navy, Marine Corps, or Coast Guard).

Not in Labor Force--All persons 16 years old and over who are not classified as members of the labor force. This category consists mainly of students, housewives, retired workers, seasonal workers enumerated in an off season who were not looking for work, institutionalized persons, and persons doing only incidental unpaid family work (less than 15 hours during the reference week).

Worker--This term appears in connection with several subjects: journey-to-work items, class of worker, weeks worked in 1989, and number of workers in family in 1989. Its meaning varies and, therefore, should be determined in each case by referring to the definition of the subject in which it appears.

Actual Hours Worked Last Week--All persons who reported working during the reference week were asked to report in questionnaire item 21b the number of hours that they worked. The statistics on hours worked pertain to the number of hours actually worked at all jobs, and do not necessarily reflect the number of hours typically or usually worked or the scheduled number of hours. The concept of "actual hours" differs from that of "usual hours" described below. The number of persons who worked only a small number of hours is probably understated since such persons sometimes consider themselves as not working. Respondents were asked to include overtime or extra hours worked, but to exclude lunch hours, sick leave, and vacation leave.

Limitation of the Data--The census may understate the number of employed persons because persons who have irregular, casual, or unstructured jobs sometimes report themselves as not working. The number of employed persons "at work" is probably overstated in the census (and conversely, the number of employed "with a job, but not at work" is understated) since some persons on vacation or sick leave erroneously reported

themselves as working. This problem has no effect on the total number of employed persons. The reference week for the employment data is not the same for all persons. Since persons can change their employment status from one week to another, the lack of a uniform reference week may mean that the employment data do not reflect the reality of the employment situation of any given week. (For more information, see the discussion under "Reference Week.")

Comparability--The questionnaire items and employment status concepts for the 1990 census are essentially the same as those used in the 1980 and 1970 censuses. However, these concepts differ in many respects from those associated with the 1950 and 1960 censuses.

Since employment data from the census are obtained from respondents in households, they differ from statistics based on reports from individual business establishments, farm enterprises, and certain government programs. Persons employed at more than one job are counted only once in the census and are classified according to the job at which they worked the greatest number of hours during the reference week. In statistics based on reports from business and farm establishments, persons who work for more than one establishment may be counted more than once. Moreover, some tabulations may exclude private household workers, unpaid family workers, and self-employed persons, but may include workers less than 16 years of age.

An additional difference in the data arises from the fact that persons who had a job but were not at work are included with the employed in the census statistics, whereas many of these persons are likely to be excluded from employment figures based on establishment payroll reports. Furthermore, the employment status data in census tabulations include persons on the basis of place of residence regardless of where they work, whereas establishment data report persons at their place of work regardless of where they live. This latter consideration is particularly significant when comparing data for workers who commute between areas.

Census data on actual hours worked during the reference week may differ from data from other sources. The census measures hours actually worked, whereas some surveys measure hours paid for by employers. Comparability of census actual hours worked data may also be affected by the nature of the reference week (see "Reference Week").

For several reasons, the unemployment figures of the Census Bureau are not comparable with published figures on unemployment compensation claims. For example, figures on unemployment compensation claims exclude persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (including some workers in agriculture, domestic services, and religious organizations, and self-employed and unpaid family workers). In addition, the qualifications for drawing unemployment compensation differ from the definition of unemployment used by the Census Bureau. Persons working only a few hours during the week and persons with a job but not at work are sometimes eligible for unemployment compensation but are classified as "Employed" in the census. Differences in the geographical distribution of unemployment data arise because the

place where claims are filed may not necessarily be the same as the place of residence of the unemployed worker.

The figures on employment status from the decennial census are generally comparable with similar data collected in the Current Population Survey. However, some difference may exist because of variations in enumeration and processing techniques.

FERTILITY--The data on fertility (also referred to as "children ever born") were derived from answers to questionnaire item 20, which was asked of a sample of women 15 years old and over regardless of marital status. Stillbirths, stepchildren, and adopted children were excluded from the number of children ever born. Ever-married women were instructed to include all children born to them before and during their most recent marriage, children no longer living, and children away from home, as well as children who were still living in the home. Never-married women were instructed to include all children born to them.

Data are most frequently presented in terms of the aggregate number of children ever born to women in the specified category and in terms of the rate per 1,000 women. For purposes of calculating the aggregate, the open-ended response category, "12 or more" is assigned a value of 13.

Limitation of the Data--Although the data are assumed to be less complete for out-of-wedlock births than for births occurring within marriage, comparisons of 1980 census data on the fertility of single women with other census sources and administrative records indicate that no significant differences were found between different data sources; that is, 1980 census data on children ever born to single women were complete with no significant understatements of childbearing.

Comparability--The wording of the question on children ever born was the same in 1990 as in 1980. In 1970, however, the question on children ever born was asked of all ever-married women but only of never-married women who received self-administered questionnaires. Therefore, rates and numbers of children ever born to single women in 1970 may be understated. Data presented for children ever born to ever-married women are comparable for the 1990 census and all previous censuses containing this question.

GROUP QUARTERS--All persons not living in households are classified by the Census Bureau as living in group quarters. Two general categories of persons in group quarters are recognized:

- (1) institutionalized persons and
- (2) other persons in group quarters (also referred to as "noninstitutional group quarters").

Institutionalized Persons--Includes persons under formally authorized, supervised care or custody in institutions at the time of enumeration. Such persons are classified as "patients or inmates" of an institution regardless of the availability of nursing or medical care, the length of stay, or the number of persons in the institution. Generally, institutionalized persons are restricted to the institutional buildings and grounds (or must have passes or escorts to leave) and thus have limited interaction with the surrounding community. Also, they are generally under the care of trained staff who have responsibility for their safekeeping and supervision.

Type of Institution--The type of institution was determined as part of census enumeration activities. For institutions which specialize in only one specific type of service, all patients or inmates were given the same classification. For institutions which had multiple types of major services (usually general hospitals and Veterans' Administration hospitals), patients were classified according to selected types of wards. For example, in psychiatric wards of hospitals, patients were classified in "mental (psychiatric) hospitals"; in hospital wards for persons with chronic diseases, patients were classified in "hospitals for the chronically ill." Each patient or inmate was classified in only one type of institution. Institutions include the following types:

Correctional Institutions--Includes prisons, Federal detention centers, military stockades and jails, police lockups, halfway houses, local jails, and other confinement facilities, including work farms.

Prisons--Where persons convicted of crimes serve their sentences. In some census products, the prisons are classified by two types of control:

(1) "Federal" (operated by the Bureau of Prisons of the Department of Justice) and (2) "State." Residents who are criminally insane were classified on the basis of where they resided at the time of enumeration: (1) in institutions (or hospital wards) operated by departments of correction or similar agencies; or

(2) in institutions operated by departments of mental health or similar agencies.

Federal Detention Centers--Operated by the Immigration and Naturalization Service (INS) and the Bureau of Prisons. These facilities include detention centers used by the Park Police; Bureau of Indian Affairs Detention Centers; INS Centers, such as the INS Federal Alien Detention Facility; INS Processing Centers; and INS Contract Detention Centers used to detain aliens under exclusion or deportation proceedings, as well as those aliens who have not been placed into proceedings, such as custodial required departures; and INS Detention Centers operated within local jails, and State and Federal prisons.

Military Stockades, Jails--Operated by military police and used to hold persons awaiting trial or convicted of violating military laws.

Local Jails and Other Confinement Facilities--Includes facilities operated by counties and cities that primarily hold persons beyond arraignment, usually for more than 48 hours. Also included in this category are work farms used to hold persons awaiting trial or serving time on relatively short sentences and jails run by private businesses under contract for local governments (but not by State governments).

Police Lockups--Temporary-holding facilities operated by county and city police that hold persons for 48 hours or less only if they have not been formally charged in court.

Halfway Houses--Operated for correctional purposes and include probation and restitution centers, pre-release centers, and community-residential centers.

Other Types of Correctional Institutions--Privately operated correctional facilities and correctional facilities specifically for alcohol/drug abuse.

Nursing Homes--Comprises a heterogeneous group of places. The majority of patients are elderly, although persons who require nursing care because of chronic physical conditions may be found in these homes regardless of their age. Included in this category are skilled-nursing facilities, intermediate-care facilities, long-term care rooms in wards or buildings on the grounds of hospitals, or long-term care rooms/nursing wings in congregate housing facilities. Also included are nursing, convalescent, and rest homes, such as soldiers', sailors', veterans', and fraternal or religious homes for the aged, with or without nursing care. In some census products, nursing homes are classified by type of ownership as "Federal," "State," "Private not-for-profit," and "Private for profit."

Mental (Psychiatric) Hospitals--Includes hospitals or wards for the criminally insane not operated by a prison, and psychiatric wards of general hospitals and veterans' hospitals. Patients receive supervised medical/nursing care from formally-trained staff. In some census products, mental hospitals are classified by type of ownership as "Federal," "State or local," "Private," and "Ownership not known."

Hospitals for Chronically Ill--Includes hospitals for patients who require long-term care, including those in military hospitals and wards for the chronically ill located on military bases; or other hospitals or wards for the chronically ill, which include 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. Patients who had no usual home elsewhere were enumerated as part of the institutional population in the wards of general and military hospitals. Most hospital patients are at the hospital temporarily and were enumerated at their usual place of residence. (For more information, see "Wards in General and Military Hospitals for Patients Who Have No Usual Home Elsewhere.")

Schools, Hospitals, or Wards for the Mentally Retarded--Includes those institutions such as wards in hospitals for the mentally retarded, and intermediate-care facilities for the mentally retarded that provide supervised medical/nursing care from formally-trained staff. In some census products, this category is classified by type of ownership as "Federal," "State or local," "Private," and "Ownership not known."

Schools, Hospitals, or Wards for the Physically Handicapped--Includes three types of institutions: institutions for the blind, those for the deaf, and orthopedic wards and institutions for the physically handicapped. Institutions for persons with speech problems are classified with "institutions for the deaf." The category "orthopedic

wards and institutions for the physically handicapped" includes those institutions providing relatively long-term care to accident victims, and to persons with polio, cerebral palsy, and muscular dystrophy. In some census products, this category is classified by type of ownership as "Public," "Private," and "Ownership not known."

Hospitals, and Wards for Drug/Alcohol Abuse--Includes hospitals, and hospital wards in psychiatric and general hospitals. These facilities are equipped medically and designed for the diagnosis and treatment of medical or psychiatric illnesses associated with alcohol or drug abuse. Patients receive supervised medical care from formally-trained staff.

Wards in General and Military Hospitals for Patients Who Have No Usual Home Elsewhere--Includes maternity, neonatal, pediatric (including wards for boarder babies), military, and surgical wards of hospitals, and wards for persons with infectious diseases.

Juvenile Institutions--Includes homes, schools, and other institutions providing care for children (short- or long-term care). Juvenile institutions include the following types:

Homes for Abused, Dependent, and Neglected Children--Includes orphanages and other institutions which provide long-term care (usually more than 30 days) for children. This category is classified in some census products by type of ownership as "Public" and "Private."

Residential Treatment Centers--Includes those institutions which primarily serve children who, by clinical diagnosis, are moderately or seriously disturbed emotionally. Also, these institutions provide long-term treatment services, usually supervised or directed by a psychiatrist.

Training Schools for Juvenile Delinquents--Includes residential training schools or homes, and industrial schools, camps, or farms for juvenile delinquents.

Public Training Schools for Juvenile Delinquents--Usually operated by a State agency (for example, department of welfare, corrections, or a youth authority). Some are operated by county and city governments. These public training schools are specialized institutions serving delinquent children, generally between the ages of 10 and 17 years old, all of whom are committed by the courts.

Private Training Schools--Operated under private auspices. Some of the children they serve are committed by the courts as delinquents. Others are referred by parents or social agencies because of delinquent behavior. One difference between private and public training schools is that, by their administrative policy, private schools have control over their selection and intake.

Detention Centers--Includes institutions providing short-term care (usually 30 days or less) primarily for delinquent children pending disposition of their cases by a court. This category also covers diagnostic centers. In practice, such institutions may be caring for both delinquent and neglected children pending court disposition.

Other Persons in Group Quarters (also referred to as "noninstitutional group quarters")--Includes all persons who live in group quarters other than institutions. Persons who live in the following living quarters are classified as "other persons in group quarters" when there are 10 or more unrelated persons living in the unit; otherwise, these living quarters are classified as housing units.

Rooming Houses--Includes persons residing in rooming and boarding houses and living in quarters with 10 or more unrelated persons.

Group Homes--Includes "community-based homes" that provide care and supportive services. Such places include homes for the mentally ill, mentally retarded, and physically handicapped; drug/alcohol halfway houses; communes; and maternity homes for unwed mothers.

Homes for the Mentally Ill--Includes community-based homes that provide care primarily for the mentally ill. In some data products, this category is classified by type of ownership as "Federal," "State," "Private," and "Ownership not known." Homes which combine treatment of the physically handicapped with treatment of the mentally ill are counted as homes for the mentally ill.

Homes for the Mentally Retarded--Includes community-based homes that provide care primarily for the mentally retarded. Homes which combine treatment of the physically handicapped with treatment of the mentally retarded are counted as homes for the mentally retarded. This category is classified by type of ownership in some census products, as "Federal," "State," "Private," or "Ownership not known."

Homes for the Physically Handicapped--Includes community-based homes for the blind, for the deaf, and other community-based homes for the physically handicapped. Persons with speech problems are classified with homes for the deaf. In some census products, this category is classified by type of ownership as "Public," "Private," or "Ownership not known."

Homes or Halfway Houses for Drug/Alcohol Abuse--Includes persons with no usual home elsewhere in places that provide community-based care and supportive services to persons suffering from a drug/alcohol addiction and to recovering alcoholics and drug abusers. Places providing community-based care for drug and alcohol abusers include group homes, detoxification centers, quarterway houses (residential treatment facilities that work closely with accredited hospitals), halfway houses, and recovery homes for ambulatory, mentally competent recovering alcoholics and drug abusers who may be re-entering the work force.

Maternity Homes for Unwed Mothers--Includes persons with no usual home elsewhere in places that provide domestic care for unwed mothers and their children. These homes may provide social services and post-natal care within the facility, or may make arrangements for women to receive such services in the community. Nursing services are usually available in the facility.

Other Group Homes--Includes persons with no usual home elsewhere in communes, foster care homes, and job corps centers with 10 or more unrelated persons. These types of places provide communal living quarters, generally for persons who have formed their own community in which they have common interests and often share or own property jointly.

Religious Group Quarters--Includes, primarily, group quarters for nuns teaching in parochial schools and for priests living in rectories. It also includes other convents and monasteries, except those associated with a general hospital or an institution.

College Quarters Off Campus--Includes privately-owned rooming and boarding houses off campus, if the place is reserved exclusively for occupancy by college students and if there are 10 or more unrelated persons. In census products, persons in this category are classified as living in a college dormitory.

Persons residing in certain other types of living arrangements are classified as living in "noninstitutional group quarters" regardless of the number of people sharing the unit. These include persons residing in the following types of group quarters:

College Dormitories--Includes college students in dormitories (provided the dormitory is restricted to students who do not have their families living with them), fraternity and sorority houses, and on-campus residential quarters used exclusively for those in religious orders who are attending college. Students in privately-owned rooming and boarding houses off campus are also included, if the place is reserved exclusively for occupancy by college-level students and if there are 10 or more unrelated persons.

Military Quarters--Includes military personnel living in barracks and dormitories on base, in transient quarters on base for temporary residents (both civilian and military), and on military ships. However, patients in military hospitals receiving treatment for chronic diseases or who had no usual home elsewhere, and persons being held in military stockades were included as part of the institutional population.

Agriculture Workers' Dormitories--Includes persons in migratory farm workers' camps on farms, bunkhouses for ranch hands, and other dormitories on farms, such as those on "tree farms."

Other Workers' Dormitories--Includes persons in logging camps, construction workers' camps, firehouse dormitories, job-training camps, energy enclaves (Alaska only), and nonfarm migratory workers' camps (for example, workers in mineral and mining camps).

Emergency Shelters for Homeless Persons (with sleeping facilities) and Visible in Street Locations--Includes persons enumerated during the "Shelter-and-Street-Night" operation primarily on March 20-21, 1990. Enumerators were instructed not to ask if a person was "homeless." If a person was at one of the locations below on March 20-21, the person was counted as described below. (For more information on the "Shelter-and-Street-Night" operation, see Appendix D, Collection and Processing Procedures.) This category is divided into four classifications:

Emergency Shelters for Homeless Persons (with sleeping facilities)--Includes persons who stayed overnight on March 20, 1990, in permanent and temporary emergency housing, missions, hotels/motels, and flophouses charging \$12 or less (excluding taxes)



per night; Salvation Army shelters, hotels, and motels used entirely for homeless persons regardless of the nightly rate charged; rooms in hotels and motels used partially for the homeless; and similar places known to have persons who have no usual home elsewhere staying overnight. If not shown separately, shelters and group homes that provide temporary sleeping facilities for runaway, neglected, and homeless children are included in this category in data products.

Shelters for Runaway, Neglected, and Homeless Children--Includes shelters/group homes which provide temporary sleeping facilities for juveniles.

Visible in Street Locations--Includes street blocks and open public locations designated before March 20, 1990, by city and community officials as places where the homeless congregate at night. All persons found at predesignated street sites from 2 a.m. to 4 a.m. and leaving abandoned or boarded-up buildings from 4 a.m. to 8 a.m. on March 21, 1990, were enumerated during "street" enumeration, except persons in uniform such as police and persons engaged in obvious money-making activities other than begging or panhandling. Enumerators were instructed not to ask if a person was "homeless."

This cannot be considered a complete count of all persons living on the streets because those who were so well hidden that local people did not know where to find them were likely to have been missed as were persons moving about or in places not identified by local officials. It is also possible that persons with homes could have been included in the count of "visible in street locations" if they were present when the enumerator did the enumeration of a particular block.

Predesignated street sites include street corners, parks, bridges, persons emerging from abandoned and boarded-up buildings, noncommercial campsites (tent cities), all-night movie theaters, all-night restaurants, emergency hospital waiting rooms, train stations, airports, bus depots, and subway stations.

Shelters for Abused Women (Shelters Against Domestic Violence or Family Crisis Centers)--Includes community-based homes or shelters that provide domiciliary care for women who have sought shelter from family violence and who may have been physically abused. Most shelters also provide care for children of abused women. These shelters may provide social services, meals, psychiatric treatment, and counseling. In some census products, "shelters for abused women" are included in the category "other noninstitutional group quarters."

Dormitories for Nurses and Interns in General and Military Hospitals--Includes group quarters for nurses and other staff members. It excludes patients.

Crews of Maritime Vessels--Includes officers, crew members, and passengers of maritime U.S. flag vessels. All ocean-going and Great Lakes ships are included.

Staff Residents of Institutions--Includes staff residing in group quarters on institutional grounds who provide formally-authorized, supervised care or custody for the institutionalized population.

Other Nonhousehold Living Situations--Includes persons with no usual home elsewhere enumerated during transient or "T-Night" enumeration at YMCA's, YWCA's, youth hostels, commercial and government-run campgrounds, campgrounds at racetracks, fairs, and carnivals, and similar transient sites.

Living Quarters for Victims of Natural Disasters--Includes living quarters for persons temporarily displaced by natural disasters.

Limitation of the Data--Two types of errors can occur in the classification of "types of group quarters":

Misclassification of Group Quarters--During the 1990 Special Place Prelist operation, the enumerator determined the type of group quarters associated with each special place in their assignment. The enumerator used the Alphabetical Group Quarters Code List and Index to the Alphabetical Group Quarters Code List to assign a two-digit code number followed by either an "I," for institutional, or an "N," for noninstitutional to each group quarters. In 1990, unacceptable group quarter codes were edited. (For more information on editing of unacceptable data, see Appendix C, Accuracy of the Data.)

No Classification (unknowns)--The imputation rate for type of institution was higher in 1980 (23.5 percent) than in 1970 (3.3 percent). Improvements were made to the 1990 Alphabetical Group Quarters Code List; that is, the inclusion of more group quarters categories and an "Index to the Alphabetical Group Quarters Code List." (For more information on the allocation rates for Type of Institution, see the allocation rates in 1990 CP-1, General Population Characteristics.)

In previous censuses, allocation rates for demographic characteristics (such as age, sex, race, and marital status) of the institutional population were similar to those for the total population. The allocation rates for sample characteristics such as school enrollment, highest grade completed, income, and veteran status for the institutional and noninstitutional group quarters population have been substantially higher than the population in households at least as far back as the 1960 census. The data, however, have historically presented a reasonable picture of the institutional and noninstitutional group quarters population.

Shelter and Street Night (S-Night)--For the 1990 census "Shelter-and-Street-Night" operation, persons well hidden, moving about, or in locations enumerators did not visit were likely to be missed. The number of people missed will never be known; thus, the 1990 census cannot be considered to include a definitive count of America's total homeless population. It does, however, give an idea of relative differences among areas of the country. Other components were counted as part of regular census procedures.

The count of persons in shelters and visible on the street could have been affected by many factors. How much the factors affected the count can never be answered definitively, but some elements include:

How well enumerators were trained and how well they followed procedures.

How well the list of shelter and street locations given to the Census Bureau by the local government reflected the actual places that homeless persons stay at night.

Cities were encouraged to open temporary shelters for census night, and many did that and actively encouraged people to enter the shelters. Thus, people who may have been on the street otherwise were in shelters the night of March 20, so that the ratio of shelter-to-street population could be different than usual.

The weather, which was unusually cold in some parts of the country, could affect how likely people were to seek emergency shelter or to be more hidden than usual if they stayed outdoors.

The media occasionally interfered with the ability to do the count.

How homeless people perceived the census and whether they wanted to be counted or feared the census and hid from it.

The Census Bureau conducted two assessments of Shelter and Street Night: (1) the quality of the lists of shelters used for the Shelter-and-Street-Night operation, and (2) how well procedures were followed by census-takers for the street count in parts of five cities (Chicago, Los Angeles, New Orleans, New York, and Phoenix). Information about these two assessments is available from the Chief, Center for Survey Methods Research, Bureau of the Census, Washington, DC 20233.

Comparability--For the 1990 census, the definition of institutionalized persons was revised so that the definition of "care" only includes persons under organized medical or formally-authorized, supervised care or custody. As a result of this change to the institutional definition, maternity homes are classified as noninstitutional rather than institutional group quarters as in previous censuses. The following types of other group quarters are classified as institutional rather than noninstitutional group quarters: "halfway houses (operated for correctional purposes)" and "wards in general and military hospitals for patients who have no usual home elsewhere," which includes maternity, neonatal, pediatric, military, and surgical wards of hospitals, other-purpose wards of hospitals, and wards for infectious diseases. These changes should not significantly affect the comparability of data with earlier censuses because of the relatively small number of persons involved.

As in 1980, 10 or more unrelated persons living together were classified as living in noninstitutional group quarters. In 1970, the criteria was six or more unrelated persons.

Several changes also have occurred in the identification of specific types of group quarters. For the first time, the 1990 census identifies separately the following types of correctional institutions: persons in halfway houses (operated for correctional purposes), military stockades and jails, and police lockups. In 1990, tuberculosis hospitals or wards are included with hospitals for the chronically ill; in 1980, they were shown separately. For 1990, the noninstitutional group quarters category, "Group homes" is further classified as: group homes for drug/alcohol abuse; maternity homes (for unwed mothers), group homes for the mentally ill, group homes for the mentally retarded, and group

homes for the physically handicapped. Persons living in communes, foster-care homes, and job corps centers are classified with "Other group homes" only if 10 or more unrelated persons share the unit; otherwise, they are classified as housing units.

In 1990, workers' dormitories were classified as group quarters regardless of the number of persons sharing the dorm. In 1980, 10 or more unrelated persons had to share the dorm for it to be classified as a group quarters. In 1960, data on persons in military barracks were shown only for men. In subsequent censuses, they include both men and women.

In 1990 census data products, the phrase "inmates of institutions" was changed to "institutionalized persons." Also, persons living in noninstitutional group quarters were referred to as "other persons in group quarters," and the phrase "staff residents" was used for staff living in institutions.

In 1990, there are additional institutional categories and noninstitutional group quarters categories compared with the 1980 census. The institutional categories added include "hospitals and wards for drug/alcohol abuse" and "military hospitals for the chronically ill." The noninstitutional group quarters categories added include emergency shelters for homeless persons; shelters for runaway, neglected, and homeless children; shelters for abused women; and visible-in-street locations. Each of these noninstitutional group quarters categories was enumerated on March 20-21, 1990, during the "Shelter-and-Street-Night" operation. (For more information on the "Shelter-and-Street-Night" operation, see Appendix D, Collection and Processing Procedures.)

HISPANIC ORIGIN--The data on Spanish/Hispanic origin were derived from answers to questionnaire item 7, which was asked of all persons. Persons of Hispanic origin are those who classified themselves in one of the specific Hispanic origin categories listed on the questionnaire--"Mexican," "Puerto Rican," or "Cuban"--as well as those who indicated that they were of "other Spanish/Hispanic" origin. Persons of "Other Spanish/Hispanic" origin are those whose origins are from Spain, the Spanish-speaking countries of Central or South America, or the Dominican Republic, or they are persons of Hispanic origin identifying themselves generally as Spanish, Spanish-American, Hispanic, Hispano, Latino, and so on. Write-in responses to the "other Spanish/Hispanic" category were coded only for sample data.

Origin can be viewed as the ancestry, nationality group, lineage, or country of birth of the person or the person's parents or ancestors before their arrival in the United States. Persons of Hispanic origin may be of any race.

Some tabulations are shown by the Hispanic origin of the householder. In all cases where households, families, or occupied housing units are classified by Hispanic origin, the Hispanic origin of the householder is used. (See the discussion of householder under "Household Type and Relationship.")

During direct interviews conducted by enumerators, if a person could not provide a single origin response, he or she was asked to select, based on self-identification, the group which best described his or her origin or descent. If a person could not provide a single group, the

origin of the person's mother was used. If a single group could not be provided for the person's mother, the first origin reported by the person was used.

If any household member failed to respond to the Spanish/Hispanic origin question, a response was assigned by the computer according to the reported entries of other household members by using specific rules of precedence of household relationship. In the processing of sample questionnaires, responses to other questions on the questionnaire, such as ancestry and place of birth, were used to assign an origin before any reference was made to the origin reported by other household members. If an origin was not entered for any household member, an origin was assigned from another household according to the race of the householder. This procedure is a variation of the general imputation process described in Appendix C, Accuracy of the Data.

Comparability--There may be differences between the total Hispanic origin population based on 100-percent tabulations and sample tabulations. Such differences are the result of sampling variability, nonsampling error, and more extensive edit procedures for the Spanish/Hispanic origin item on the sample questionnaires. (For more information on sampling variability and nonsampling error, see Appendix C, Accuracy of the Data.)

The 1990 data on Hispanic origin are generally comparable with those for the 1980 census. However, there are some differences in the format of the Hispanic origin question between the two censuses. For 1990, the word "descent" was deleted from the 1980 wording. In addition, the term "Mexican-Amer." used in 1980 was shortened further to "Mexican-Am." to reduce misreporting (of "American") in this category detected in the 1980 census. Finally, the 1990 question allowed those who reported as "other Spanish/Hispanic" to write in their specific Hispanic origin group.

Misreporting in the "Mexican-Amer." category of the 1980 census item on Spanish/Hispanic origin may affect the comparability of 1980 and 1990 census data for persons of Hispanic origin for certain areas of the country. An evaluation of the 1980 census item on Spanish/Hispanic origin indicated that there was misreporting in the Mexican origin category by White and Black persons in certain areas. The study results showed evidence that the misreporting occurred in the South (excluding Texas), the Northeast (excluding the New York City area), and a few States in the Midwest Region. Also, results based on available data suggest that the impact of possible misreporting of Mexican origin in the 1980 census was severe in those portions of the above-mentioned regions where the Hispanic origin population was generally sparse. However, national 1980 census data on the Mexican origin population or total Hispanic origin population at the national level was not seriously affected by the reporting problem. (For a more detailed discussion of the evaluation of the 1980 census Spanish/Hispanic origin item, see the 1980 census Supplementary Reports.)

The 1990 and 1980 census data on the Hispanic population are not directly comparable with 1970 Spanish origin data because of a number of factors: (1) overall improvements in the 1980 and 1990 censuses, (2) better coverage of the population, (3) improved question designs, and

(4) an effective public relations campaign by the Census Bureau with the assistance of national and community ethnic groups.

Specific changes in question design between the 1980 and 1970 censuses included the placement of the category "No, not Spanish/Hispanic" as the first category in that question. (The corresponding category appeared last in the 1970 question.) Also, the 1970 category "Central or South American" was deleted because in 1970 some respondents misinterpreted the category; furthermore, the designations "Mexican-American" and "Chicano" were added to the Spanish/Hispanic origin question in 1980. In the 1970 census, the question on Spanish origin was asked of only a 5-percent sample of the population.

#### HOUSEHOLD TYPE AND RELATIONSHIP

Household--A household includes all the persons who occupy a housing unit. A housing unit is a house, an apartment, a mobile home, a group of rooms, or a single room that is occupied (or if vacant, is intended for occupancy) as separate living quarters. Separate living quarters are those in which the occupants live and eat separately from any other persons in the building and which have direct access from the outside of the building or through a common hall. The occupants may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated persons who share living arrangements.

In 100-percent tabulations, the count of households or householders always equals the count of occupied housing units. In sample tabulations, the numbers may differ as a result of the weighting process.

Persons Per Household--A measure obtained by dividing the number of persons in households by the number of households (or householders). In cases where persons in households are cross-classified by race or Hispanic origin, persons in the household are classified by the race or Hispanic origin of the householder rather than the race or Hispanic origin of each individual.

#### Relationship to Householder

Householder--The data on relationship to householder were derived from answers to questionnaire item 2, which was asked of all persons in housing units. One person in each household is designated as the householder. In most cases, this is the person, or one of the persons, in whose name the home is owned, being bought, or rented and who is listed in column 1 of the census questionnaire. If there is no such person in the household, any adult household member 15 years old and over could be designated as the householder.

Households are classified by type according to the sex of the householder and the presence of relatives. Two types of householders are distinguished: a family householder and a nonfamily householder. A family householder is a householder living with one or more persons related to him or her by birth, marriage, or adoption. The householder and all persons in the household related to him or her are family members. A nonfamily householder is a householder living alone or with nonrelatives only.

Spouse--Includes a person married to and living with a householder. This category includes persons in formal marriages, as well as persons in common-law marriages.

The number of spouses is equal to the number of "married-couple families" or "married-couple households" in 100-percent tabulations. The number of spouses, however, is generally less than half of the number of "married persons with spouse present" in sample tabulations, since more than one married couple can live in a household, but only spouses of householders are specifically identified as "spouse." For sample tabulations, the number of "married persons with spouse present" includes married-couple subfamilies and married-couple families.

Child--Includes a son or daughter by birth, a stepchild, or adopted child of the householder, regardless of the child's age or marital status. The category excludes sons-in-law, daughters-in-law, and foster children.

Natural-Born or Adopted Son/Daughter--A son or daughter of the householder by birth, regardless of the age of the child. Also, this category includes sons or daughters of the householder by legal adoption, regardless of the age of the child. If the stepson/stepdaughter of the householder has been legally adopted by the householder, the child is still classified as a stepchild.

Stepson/Stepdaughter--A son or daughter of the householder through marriage but not by birth, regardless of the age of the child. If the stepson/stepdaughter of the householder has been legally adopted by the householder, the child is still classified as a stepchild.

Own Child--A never-married child under 18 years who is a son or daughter by birth, a stepchild, or an adopted child of the householder. In certain tabulations, own children are further classified as living with two parents or with one parent only. Own children of the householder living with two parents are by definition found only in married-couple families.

In a subfamily, an "own child" is a never-married child under 18 years of age who is a son, daughter, stepchild, or an adopted child of a mother in a mother-child subfamily, a father in a father-child subfamily, or either spouse in a married-couple subfamily.

"Related children" in a family include own children and all other persons under 18 years of age in the household, regardless of marital status, who are related to the householder, except the spouse of the householder. Foster children are not included since they are not related to the householder.

Other Relatives--In tabulations, includes any household member related to the householder by birth, marriage, or adoption, but not included specifically in another relationship category. In certain detailed tabulations, the following categories may be shown:

Grandchild--The grandson or granddaughter of the householder.

Brother/Sister--The brother or sister of the householder, including stepbrothers, stepsisters, and brothers and sisters by adoption. Brothers-in-law and sisters-in-law are included in the "Other relative" category on the questionnaire.

Parent--The father or mother of the householder, including a stepparent or adoptive parent. Fathers-in-law and mothers-in-law are included in the "Other relative" category on the questionnaire.

Other Relatives--Anyone not listed in a reported category above who is related to the householder by birth, marriage, or adoption (brother-in-law, grandparent, nephew, aunt, mother-in-law, daughter-in-law, cousin, and so forth).

Nonrelatives--Includes any household member, including foster children not related to the householder by birth, marriage, or adoption. The following categories may be presented in more detailed tabulations:

Roomer, Boarder, or Foster Child--Roomer, boarder, lodger, and foster children or foster adults of the householder.

Housemate or Roommate--A person who is not related to the householder and who shares living quarters primarily in order to share expenses.

Unmarried Partner--A person who is not related to the householder, who shares living quarters, and who has a close personal relationship with the householder.

Other Nonrelatives--A person who is not related by birth, marriage, or adoption to the householder and who is not described by the categories given above.

When relationship is not reported for an individual, it is imputed according to the responses for age, sex, and marital status for that person while maintaining consistency with responses for other individuals in the household. (For more information on imputation, see Appendix C, Accuracy of the Data.)

Unrelated Individual--An unrelated individual is: (1) a householder living alone or with nonrelatives only, (2) a household member who is not related to the householder, or (3) a person living in group quarters who is not an inmate of an institution.

Family Type--A family consists of a householder and one or more other persons living in the same household who are related to the householder by birth, marriage, or adoption. All persons in a household who are related to the householder are regarded as members of his or her family. A household can contain only one family for purposes of census tabulations. Not all households contain families since a household may comprise a group of unrelated persons or one person living alone.

Families are classified by type as either a "married-couple family" or "other family" according to the sex of the householder and the presence of relatives. The data on family type are based on answers to questions on sex and relationship which were asked on a 100-percent basis.

Married-Couple Family--A family in which the householder and his or her spouse are enumerated as members of the same household.



Other Family:

Male Householder, No Wife Present--A family with a male householder and no spouse of householder present.

Female Householder, No Husband Present--A family with a female householder and no spouse of householder present.

Persons Per Family--A measure obtained by dividing the number of persons in families by the total number of families (or family householders). In cases where the measure, "persons in family" or "persons per family" are cross-tabulated by race or Hispanic origin, the race or Hispanic origin refers to the householder rather than the race or Hispanic origin of each individual.

Subfamily--A subfamily is a married couple (husband and wife enumerated as members of the same household) with or without never-married children under 18 years old, or one parent with one or more never-married children under 18 years old, living in a household and related to, but not including, either the householder or the householder's spouse. The number of subfamilies is not included in the count of families, since subfamily members are counted as part of the householder's family.

Subfamilies are defined during processing of sample data. In selected tabulations, subfamilies are further classified by type: married-couple subfamilies, with or without own children; mother-child subfamilies; and father-child subfamilies.

Lone parents include people maintaining either one-parent families or one-parent subfamilies. Married couples include husbands and wives in both married-couple families and married-couple subfamilies.

Unmarried-Partner Household--An unmarried-partner household is a household other than a "married-couple household" that includes a householder and an "unmarried partner." An "unmarried partner" can be of the same sex or of the opposite sex of the householder. An "unmarried partner" in an "unmarried-partner household" is an adult who is unrelated to the householder, but shares living quarters and has a close personal relationship with the householder.

Unmarried-Couple Household--An unmarried-couple household is composed of two unrelated adults of the opposite sex (one of whom is the householder) who share a housing unit with or without the presence of children under 15 years old.

Foster Children--Foster children are nonrelatives of the householder and are included in the category, "Roomer, boarder, or foster child" on the questionnaire. Foster children are identified as persons under 18 years old and living in households that have no nonrelatives 18 years old and over (who might be parents of the nonrelatives under 18 years old).

Stepfamily--A stepfamily is a "married-couple family" with at least one stepchild of the householder present, where the householder is the husband.

Comparability--The 1990 definition of a household is the same as that used in 1980. The 1980 relationship category "Son/daughter" has been replaced

by two categories, "Natural-born or adopted son/daughter" and "Stepson/stepdaughter." "Grandchild" has been added as a separate category. The 1980 nonrelative categories: "Roomer, boarder" and "Partner, roommate" have been replaced by the categories "Roomer, boarder, or foster child," "Housemate, roommate," and "Unmarried partner." The 1980 nonrelative category "Paid employee" has been dropped.

INCOME IN 1989--The data on income in 1989 were derived from answers to questionnaire items 32 and 33. Information on money income received in the calendar year 1989 was requested from persons 15 years old and over. "Total income" is the algebraic sum of the amounts reported separately for wage or salary income; net nonfarm self-employment income; net farm self-employment income; interest, dividend, or net rental or royalty income; Social Security or railroad retirement income; public assistance or welfare income; retirement or disability income; and all other income. "Earnings" is defined as the algebraic sum of wage or salary income and net income from farm and nonfarm self-employment. "Earnings" represent the amount of income received regularly before deductions for personal income taxes, Social Security, bond purchases, union dues, medicare deductions, etc.

Receipts from the following sources are not included as income: money received from the sale of property (unless the recipient was engaged in the business of selling such property); the value of income "in kind" from food stamps, public housing subsidies, medical care, employer contributions for persons, etc.; withdrawal of bank deposits; money borrowed; tax refunds; exchange of money between relatives living in the same household; gifts and lump-sum inheritances, insurance payments, and other types of lump-sum receipts.

Income Type in 1989--The eight types of income reported in the census are defined as follows:

Wage or Salary Income--Includes total money earnings received for work performed as an employee during the calendar year 1989. It includes wages, salary, Armed Forces pay, commissions, tips, piece-rate payments, and cash bonuses earned before deductions were made for taxes, bonds, pensions, union dues, etc.

Nonfarm Self-Employment Income--Includes net money income (gross receipts minus expenses) from one's own business, professional enterprise, or partnership. Gross receipts include the value of all goods sold and services rendered. Expenses includes costs of goods purchased, rent, heat, light, power, depreciation charges, wages and salaries paid, business taxes (not personal income taxes), etc.

Farm Self-Employment Income--Includes net money income (gross receipts minus operating expenses) from the operation of a farm by a person on his or her own account, as an owner, renter, or sharecropper. Gross receipts include the value of all products sold, government farm programs, money received from the rental of farm equipment to others, and incidental receipts from the sale of wood, sand, gravel, etc. Operating expenses include cost of feed, fertilizer, seed, and other farming supplies, cash wages paid to farmhands, depreciation charges, cash rent, interest on farm mortgages, farm building repairs, farm taxes (not State and Federal personal income taxes), etc. The value of fuel,

food, or other farm products used for family living is not included as part of net income.

Interest, Dividend, or Net Rental Income--Includes interest on savings or bonds, dividends from stockholdings or membership in associations, net income from rental of property to others and receipts from boarders or lodgers, net royalties, and periodic payments from an estate or trust fund.

Social Security Income--Includes Social Security pensions and survivors benefits and permanent disability insurance payments made by the Social Security Administration prior to deductions for medical insurance, and railroad retirement insurance checks from the U.S. Government. Medicare reimbursements are not included.

Public Assistance Income--Includes: (1) supplementary security income payments made by Federal or State welfare agencies to low income persons who are aged (65 years old or over), blind, or disabled; (2) aid to families with dependent children, and (3) general assistance. Separate payments received for hospital or other medical care (vendor payments) are excluded from this item.

Retirement or Disability Income--Includes: (1) retirement pensions and survivor benefits from a former employer, labor union, or Federal, State, county, or other governmental agency; (2) disability income from sources such as worker's compensation; companies or unions; Federal, State, or local government; and the U.S. military; (3) periodic receipts from annuities and insurance; and (4) regular income from IRA and KEOGH plans.

All Other Income--Includes unemployment compensation, Veterans Administration (VA) payments, alimony and child support, contributions received periodically from persons not living in the household, military family allotments, net gambling winnings, and other kinds of periodic income other than earnings.

Income of Households--Includes the income of the householder and all other persons 15 years old and over in the household, whether related to the householder or not. Because many households consist of only one person, average household income is usually less than average family income.

Income of Families and Persons--In compiling statistics on family income, the incomes of all members 15 years old and over in each family are summed and treated as a single amount. However, for persons 15 years old and over, the total amounts of their own incomes are used. Although the income statistics covered the calendar year 1989, the characteristics of persons and the composition of families refer to the time of enumeration (April 1990). Thus, the income of the family does not include amounts received by persons who were members of the family during all or part of the calendar year 1989 if these persons no longer resided with the family at the time of enumeration. Yet, family income amounts reported by related persons who did not reside with the family during 1989 but who were members of the family at the time of enumeration are included. However, the composition of most families was the same during 1989 as in April 1990.

Median Income--The median divides the income distribution into two equal parts, one having incomes above the median and the other having incomes below the median. For households and families, the median income is based on the distribution of the total number of units including those with no income. The median for persons is based on persons with income. The median income values for all households, families, and persons are computed on the basis of more detailed income intervals than shown in most tabulations. Median household or family income figures of \$50,000 or less are calculated using linear interpolation. For persons, corresponding median values of \$40,000 or less are also computed using linear interpolation. All other median income amounts are derived through Pareto interpolation. (For more information on medians and interpolation, see the discussion under "Derived Measures.")

Mean Income--This is the amount obtained by dividing the total income of a particular statistical universe by the number of units in that universe. Thus, mean household income is obtained by dividing total household income by the total number of households. For the various types of income the means are based on households having those types of income. "Per capita income" is the mean income computed for every man, woman, and child in a particular group. It is derived by dividing the total income of a particular group by the total population in that group.

Care should be exercised in using and interpreting mean income values for small subgroups of the population. Because the mean is influenced strongly by extreme values in the distribution, it is especially susceptible to the effects of sampling variability, misreporting, and processing errors. The median, which is not affected by extreme values, is, therefore, a better measure than the mean when the population base is small. The mean, nevertheless, is shown in some data products for most small subgroups because, when weighted according to the number of cases, the means can be added to obtained summary measures for areas and groups other than those shown in census tabulations.

Limitation of the Data--Since questionnaire entries for income frequently are based on memory and not on records, many persons tended to forget minor or irregular sources of income and, therefore, underreport their income. Underreporting tends to be more pronounced for income sources that are not derived from earnings, such as Social Security, public assistance, or from interest, dividends, and net rental income.

There are errors of reporting due to the misunderstanding of the income questions such as reporting gross rather than net dollar amounts for the two questions on net self-employment income, which resulted in an overstatement of these items. Another common error is the reporting of identical dollar amounts in two of the eight type of income items where a respondent with only one source of income assumed that the second amount should be entered to represent total income. Such instances of overreporting had an impact on the level of mean nonfarm or farm self-employment income and mean total income published for the various geographical subdivisions of the State.

Extensive computer editing procedures were instituted in the data processing operation to reduce some of these reporting errors and to improve the accuracy of the income data. These procedures corrected various reporting deficiencies and improved the consistency of reported income items associated with work experience and information on

occupation and class of worker. For example, if persons reported they were self-employed on their own farm, not incorporated, but had reported wage and salary earnings only, the latter amount was shifted to net farm self-employment income. Also, if any respondent reported total income only, the amount was generally assigned to one of the type of income items according to responses to the work experience and class-of-worker questions. Another type of problem involved nonreporting of income data. Where income information was not reported, procedures were devised to impute appropriate values with either no income or positive or negative dollar amounts for the missing entries. (For more information on imputation, see Appendix C, Accuracy of the Data.)

In income tabulations for households and families, the lowest income group (e.g., less than \$5,000) includes units that were classified as having no 1989 income. Many of these were living on income "in kind," savings, or gifts, were newly created families, or families in which the sole breadwinner had recently died or left the household. However, many of the households and families who reported no income probably had some money income which was not recorded in the census.

The income data presented in the tabulations covers money income only. The fact that many farm families receive an important part of their income in the form of "free" housing and goods produced and consumed on the farm rather than in money should be taken into consideration in comparing the income of farm and nonfarm residents. Nonmoney income such as business expense accounts, use of business transportation and facilities, or partial compensation by business for medical and educational expenses was also received by some nonfarm residents. Many low income families also receive income "in kind" from public welfare programs. In comparing income data for 1989 with earlier years, it should be noted that an increase or decrease in money income does not necessarily represent a comparable change in real income, unless adjustments for changes in prices are made.

Comparability--The income data collected in the 1980 and 1970 censuses are similar to the 1990 census data, but there are variations in the detail of the questions. In 1980, income information for 1979 was collected from persons in approximately 19 percent of all housing units and group quarters. Each person was required to report:

- Wage or salary income
- Net nonfarm self-employment income
- Net farm self-employment income
- Interest, dividend, or net rental or royalty income Social Security income
- Public assistance income
- Income from all other sources

Between the 1980 and 1990 censuses, there were minor differences in the processing of the data. In both censuses, all persons with missing values in one or more of the detailed type of income items and total income were designated as allocated. Each missing entry was imputed either as a "no" or as a dollar amount. If total income was reported and one or more of the type of income fields was not answered, then the entry in total income generally was assigned to one of the income types according to the

socioeconomic characteristics of the income recipient. This person was designated as unallocated.

In 1980 and 1990, all nonrespondents with income not reported (whether heads of households or other persons) were assigned the reported income of persons with similar characteristics. (For more information on imputation, see Appendix C, "Accuracy of the Data.")

There was a difference in the method of computer derivation of aggregate income from individual amounts between the two census processing operations. In the 1980 census, income amounts less than \$100,000 were coded in tens of dollars, and amounts of \$100,000 or more were coded in thousands of dollars; \$5 was added to each amount coded in tens of dollars and \$500 to each amount coded in thousands of dollars. Entries of \$999,000 or more were treated as \$999,500 and losses of \$9,999 or more were treated as minus \$9,999. In the 1990 census, income amounts less than \$999,999 were keyed in dollars. Amounts of \$999,999 or more were treated as \$999,999 and losses of \$9,999 or more were treated as minus \$9,999 in all of the computer derivations of aggregate income.

In 1970, information on income in 1969 was obtained from all members in every fifth housing unit and small group quarters (less than 15 persons) and every fifth person in all other group quarters. Each person was required to report:

- Wage or salary income
- Net nonfarm self-employment income
- Net farm self-employment income
- Social Security or Railroad Retirement
- Public assistance or welfare payments
- Income from all other sources

If a person reported a dollar amount in wage or salary, net nonfarm self-employment income, or net farm self-employment income, the person was considered as unallocated only if no further dollar amounts were imputed for any additional missing entries.

In 1960, data on income were obtained from all members in every fourth housing unit and from every fourth person 14 years old and over living in group quarters. Each person was required to report wage or salary income, net self-employment income, and income other than earnings received in 1959. An assumption was made in the editing process that no other type of income was received by a person who reported the receipt of either wage and salary income or self-employment but who had failed to report the receipt of other money income.

For several reasons, the income data shown in census tabulations are not directly comparable with those that may be obtained from statistical summaries of income tax returns. Income, as defined for Federal tax purposes, differs somewhat from the Census Bureau concept. Moreover, the coverage of income tax statistics is different because of the exemptions of persons having small amounts of income and the inclusion of net capital gains in tax returns. Furthermore, members of some families file separate returns and others file joint returns; consequently, the income reporting unit is not consistently either a family or a person.

The earnings data shown in census tabulations are not directly comparable with earnings records of the Social Security Administration. The earnings record data for 1989 excluded the earnings of most civilian government employees, some employees of nonprofit organizations, workers covered by the Railroad Retirement Act, and persons not covered by the program because of insufficient earnings. Furthermore, earnings received from any one employer in excess of \$48,000 in 1989 are not covered by earnings records. Finally, because census data are obtained from household questionnaires, they may differ from Social Security Administration earnings record data, which are based upon employers' reports and the Federal income tax returns of self-employed persons.

The Bureau of Economic Analysis (BEA) of the Department of Commerce publishes annual data on aggregate and per-capita personal income received by the population for States, metropolitan areas, and selected counties. Aggregate income estimates based on the income statistics shown in census products usually would be less than those shown in the BEA income series for several reasons. The Census Bureau data are obtained directly from households, whereas the BEA income series is estimated largely on the basis of data from administrative records of business and governmental sources. Moreover, the definitions of income are different. The BEA income series includes some items not included in the income data shown in census publications, such as income "in kind," income received by nonprofit institutions, the value of services of banks and other financial intermediaries rendered to persons without the assessment of specific charges, Medicare payments, and the income of persons who died or emigrated prior to April 1, 1990. On the other hand, the census income data include contributions for support received from persons not residing in the same household and employer contributions for social insurance.

INDUSTRY, OCCUPATION, AND CLASS OF WORKER--The data on industry, occupation, and class of worker were derived from answers to questionnaire items 28, 29, and 30 respectively. These questions were asked of a sample of persons. Information on industry relates to the kind of business conducted by a person's employing organization; occupation describes the kind of work the person does on the job.

For employed persons, the data refer to the person's job during the reference week. For those who worked at two or more jobs, the data refer to the job at which the person worked the greatest number of hours. For unemployed persons, the data refer to their last job. The industry and occupation statistics are derived from the detailed classification systems developed for the 1990 census as described below. The Classified Index of Industries and Occupations provided additional information on the industry and occupation classification systems.

Respondents provided the data for the tabulations by writing on the questionnaires descriptions of their industry and occupation. These descriptions were keyed and passed through automated coding software which assigned a portion of the written entries to categories in the classification system. The automated system assigned codes to 59 percent of the industry entries and 38 percent of the occupation entries.

Those cases not coded by the computer were referred to clerical staff in the Census Bureau's Kansas City processing office for coding. The clerical staff converted the written questionnaire descriptions to codes by comparing these descriptions to entries in the Alphabetical Index of Industries and Occupations. For the industry code, these coders also referred to an Employer Name List (formerly called Company Name List). This list, prepared from the Standard Statistical Establishment List developed by the Census Bureau for the economic censuses and surveys, contained the names of business establishments and their Standard Industrial Classification (SIC) codes converted to population census equivalents. This list facilitated coding and maintained industrial classification comparability.

Industry--The industry classification system developed for the 1990 census consists of 235 categories for employed persons, classified into 13 major industry groups. Since 1940, the industrial classification has been based on the Standard Industrial Classification Manual (SIC). The 1990 census classification was developed from the 1987 SIC published by the Office of Management and Budget Executive Office of the President.

The SIC was designed primarily to classify establishments by the type of industrial activity in which they were engaged. However, census data, which were collected from households, differ in detail and nature from those obtained from establishment surveys. Therefore, the census classification systems, while defined in SIC terms, cannot reflect the full detail in all categories. There are several levels of industrial classification found in census products. For example, the 1990 CP-2, Social and Economic Characteristics report includes 41 unique industrial categories, while the 1990 Summary Tape File 4 (STF 4) presents 72 categories.

Occupation--The occupational classification system developed for the 1990 census consists of 500 specific occupational categories for employed persons arranged into 6 summary and 13 major occupational groups. This classification was developed to be consistent with the Standard Occupational Classification (SOC) Manual: 1980, published by the Office of Federal Statistical Policy and Standards, U.S. Department of Commerce. Tabulations with occupation as the primary characteristic present several levels of occupational detail. The most detailed tabulations are shown in a special 1990 subject report and tape files on occupation. These products contain all 500 occupational categories plus industry or class of worker subgroupings of occupational categories.

Some occupation groups are related closely to certain industries. Operators of transportation equipment, farm operators and workers, and private household workers account for major portions of their respective industries of transportation, agriculture, and private households. However, the industry categories include persons in other occupations. For example, persons employed in agriculture include truck drivers and bookkeepers; persons employed in the transportation industry include mechanics, freight handlers, and payroll clerks; and persons employed in the private household industry include occupations such as chauffeur, gardener, and secretary.



Class of Worker--The data on class of worker were derived from answers to questionnaire item 30. The information on class of worker refers to the same job as a respondent's industry and occupation and categorizes persons according to the type of ownership of the employing organization. The class of worker categories are defined as follows:

Private Wage and Salary Workers--Includes persons who worked for wages, salary, commission, tips, pay-in-kind, or piece rates for a private for profit employer or a private not-for-profit, tax-exempt or charitable organization. Self-employed persons whose business was incorporated are included with private wage and salary workers because they are paid employees of their own companies. Some tabulations present data separately for these subcategories: "For profit," "Not for profit," and "Own business incorporated."

Employees of foreign governments, the United Nations, or other formal international organizations were classified as "Private-not-for-profit."

Government Workers--Includes persons who were employees of any local, State, or Federal governmental unit, regardless of the activity of the particular agency. For some tabulations, the data were presented separately for the three levels of government.

Self-Employed Workers--Includes persons who worked for profit or fees in their own unincorporated business, profession, or trade, or who operated a farm.

Unpaid Family Workers--Includes persons who worked 15 hours or more without pay in a business or on a farm operated by a relative.

Salaried/Self-Employed--In tabulations that categorize persons as either salaried or self-employed, the salaried category includes private and government wage and salary workers; self-employed includes self-employed persons and unpaid family workers.

The industry category, "Public administration," is limited to regular government functions such as legislative, judicial, administrative, and regulatory activities of governments. Other government organizations such as schools, hospitals, liquor stores, and bus lines are classified by industry according to the activity in which they are engaged. On the other hand, the class of worker government categories include all government workers.

Occasionally respondents supplied industry, occupation, or class of worker descriptions which were not sufficiently specific for precise classification or did not report on these items at all. Some of these cases were corrected through the field editing process and during the coding and tabulation operations. In the coding operation, certain types of incomplete entries were corrected using the Alphabetical Index of Industries and Occupations. For example, it was possible in certain situations to assign an industry code based on the occupation reported.

Following the coding operations, there was a computer edit and an allocation process. The edit first determined whether a respondent was in the universe which required an industry and occupation code. The codes for the three items (industry, occupation, and class of worker)

were checked to ensure they were valid and were edited for their relation to each other. Invalid and inconsistent codes were either blanked or changed to a consistent code.

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

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

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

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

The following publications contain information on the various factors affecting comparability and are particularly useful for understanding differences in the occupation and industry information from earlier censuses: U.S. Bureau of the Census, Changes Between the 1950 and 1960 Occupation and Industry Classifications With Detailed Adjustments of 1950 Data to the 1960 Classifications, Technical Paper No. 18, 1968; U.S. Bureau of the Census, 1970 Occupation and Industry Classification Systems in Terms of their 1960 Occupation and Industry Elements, Technical Paper No. 26, 1972; and U.S. Bureau of the

Census, The Relationship Between the 1970 and 1980 Industry and Occupation Classification Systems, Technical Paper No. 59, 1988. For citations for earlier census years, see the 1980 Census of Population report, PC80-1-D, Detailed Population Characteristics.

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

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

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

#### JOURNEY TO WORK

Place of Work--The data on place of work were derived from answers to questionnaire item 22, which was asked of persons who indicated in question 21 that they worked at some time during the reference week. (For more information, see discussion under "Reference Week.")

Data were tabulated for workers 16 years and over; that is, members of the Armed Forces and civilians who were at work during the reference week. Data on place of work refer to the geographic location at which workers carried out their occupational activities during the reference week. The exact address (number and street) of the place of work was asked, as well as the place (city, town, or post office); whether or not the place of work was inside or outside the limits of that city or town; and the county, State, and ZIP Code. If the person's employer operated in more than one location, the exact address of the location or branch where the respondent worked was requested. When the number and street name were unknown, a description of the location, such as the building name or nearest street or intersection, was to be entered.

Persons who worked at more than one location during the reference week were asked to report the one at which they worked the greatest number of hours. Persons who regularly worked in several locations each day during the reference week were requested to give the address at which they began work each day. For cases in which daily work did not begin at a central place each day, the person was asked to provide as much information as possible to describe the area in which he or she worked most during the reference week.

In some tabulations, place-of-work locations may be defined as "in area of residence" and "outside area of residence." The area of residence may vary from table to table or even within a table, and refers to the particular area or areas shown. For example, in a table that provides data for counties, "in area of residence" refers to persons who worked in the same county in which they lived, while "outside area of residence" refers to persons whose workplace was located in a county different from the one in which they lived. Similarly, in a table that provides data for several types of areas, such as the State and its individual metropolitan areas (MA's), counties, and places, the place-of-work data will be variable and is determined by the geographic level (State, MA, county, or place) shown in each section of the tabulation.

In tabulations that present data for States, workplaces for the residents of the State may include, in addition to the State itself, each contiguous State. The category, "in noncontiguous State or abroad," includes persons who worked in a State that did not border their State of residence as well as persons who worked outside the United States.

In tabulations that present data for an MSA/PMSA, place-of-work locations are specified to show the main destinations of workers living in the MSA/PMSA. (For more information on metropolitan areas (MA's), see Appendix A, Area Classifications.) All place-of-work locations are identified with respect to the boundaries of the MSA/PMSA as "inside MSA/PMSA" or "outside MSA/PMSA." Locations within the MSA/PMSA are further divided into each central city, and each county or county balance. Selected large incorporated places also may be specified as places of work.

Within New England MSA/PMSA's, the places of work presented generally are cities and towns. Locations outside the MSA/PMSA are specified if they are important commuting destinations for residents of the MSA/PMSA, and may include adjoining MSA/PMSA's and their central cities, their component counties, large incorporated places, or counties, cities, or other geographic areas outside any MA. In tabulations for MSA/PMSA's in New England; Honolulu, Hawaii; and certain other MA's, some place-of-work locations are identified as "areas" (e.g., Area 1, Area 5, Area 12, etc.). Such areas consist of groups of towns, cities, census designated places (Honolulu MSA only), or counties that have been identified as unique place-of-work destinations. When an adjoining MSA/PMSA or MSA/PMSA remainder is specified as a place-of-work location, its components are not defined. However, the components are presented in the 1990 CP-1, General Population Characteristics for Metropolitan Areas and the 1990 CH-1, General Housing Characteristics for Metropolitan Areas reports. In tabulations that present data for census tracts outside MA's, place-of-work

locations are defined as "in county of residence" and "outside county of residence."

In areas where the workplace address was coded to the block level, persons were tabulated as working inside or outside a specific place based on the location of that address, regardless of the response to question 22c concerning city/town limits. In areas where it was impossible to code the workplace address to the block level, persons were tabulated as working in a place if a place name was reported in question 22b and the response to question 22c was either "Yes" or the item was left blank. In selected areas, census designated places (CDP's) may appear in the tabulations as places of work. The accuracy of place-of-work data for CDP's may be affected by the extent to which their census names were familiar to respondents, and by coding problems caused by similarities between the CDP name and the names of other geographic jurisdictions in the same vicinity.

Place-of-work data are given for selected minor civil divisions (generally, cities, towns, and townships) in the nine Northeastern States, based on the responses to the place-of-work question. Many towns and townships are regarded locally as equivalent to a place and therefore, were reported as the place of work. When a respondent reported a locality or incorporated place that formed a part of a township or town, the coding and tabulating procedure was designed to include the response in the total for the township or town. The accuracy of the place-of-work data for minor civil divisions is greatest for the New England States. However, the data for some New England towns, for towns in New York, and for townships in New Jersey and Pennsylvania may be affected by coding problems that resulted from the unfamiliarity of the respondent with the minor civil division in which the workplace was located or when a township and a city or borough of the same or similar name are located close together.

Place-of-work data may show a few workers who made unlikely daily work trips (e.g., workers who lived in New York and worked in California). This result is attributable to persons who worked during the reference week at a location that was different from their usual place of work, such as persons away from home on business.

Comparability--The wording of the question on place of work was substantially the same in the 1990 census as it was in 1980. However, data on place of work from the 1990 census are based on the full census sample, while data from the 1980 census were based on only about one-half of the full sample.

For the 1980 census, nonresponse or incomplete responses to the place-of-work question were not allocated, resulting in the use of "not reported" categories in the 1980 publications. However, for the 1990 census, when place of work was not reported or the response was incomplete, a work location was allocated to the person based on their means of transportation to work, travel time to work, industry, and location of residence and workplace of others. The 1990 publications, therefore, do not contain a "not reported" category for the place-of-work data.

Comparisons between 1980 and 1990 census data on the gross number of workers in particular commuting flows, or the total number of persons

working in an area, should be made with extreme caution. Any apparent increase in the magnitude of the gross numbers may be due solely to the fact that for 1990 the "not reported" cases have been distributed among specific place-of-work destinations, instead of tallied in a separate category as in 1980.

Limitation of the Data--The data on place of work relate to a reference week; that is, the calendar week preceding the date on which the respondents completed their questionnaires or were interviewed by enumerators. This week is not the same for all respondents because the enumeration was not completed in 1 week. However, for the majority of persons, the reference week for the 1990 census is the last week in March 1990. The lack of a uniform reference week means that the place-of-work data reported in the census will not exactly match the distribution of workplace locations observed or measured during an actual workweek.

The place-of-work data are estimates of persons 16 years old and over who were both employed and at work during the reference week (including persons in the Armed Forces). Persons who did not work during the reference week but had jobs or businesses from which they were temporarily absent due to illness, bad weather, industrial dispute, vacation, or other personal reasons are not included in the place-of-work data. Therefore, the data on place of work understate the total number of jobs or total employment in a geographic area during the reference week. It also should be noted that persons who had irregular, casual, or unstructured jobs during the reference week may have erroneously reported themselves as not working.

The address where the individual worked most often during the reference week was recorded on the census questionnaire. If a worker held two jobs, only data about the primary job (the one worked the greatest number of hours during the preceding week) was requested. Persons who regularly worked in several locations during the reference week were requested to give the address at which they began work each day. For cases in which daily work was not begun at a central place each day, the person was asked to provide as much information as possible to describe the area in which he or she worked most during the reference week.

Means of Transportation to Work--The data on means of transportation to work were derived from answers to questionnaire item 23a, which was asked of persons who indicated in question 21 that they worked at some time during the reference week. (For more information, see discussion under "Reference Week.") Means of transportation to work refers to the principal mode of travel or type of conveyance that the person usually used to get from home to work during the reference week.

Persons who used different means of transportation on different days of the week were asked to specify the one they used most often, that is, the greatest number of days. Persons who used more than one means of transportation to get to work each day were asked to report the one used for the longest distance during the work trip. The category, "Car, truck, or van," includes workers using a car (including company cars but excluding taxicabs), a truck of one-ton capacity or less, or a van. The category, "Public transportation," includes workers who used a bus or trolley bus, streetcar or trolley car, subway

or elevated, railroad, ferryboat, or taxicab even if each mode is not shown separately in the tabulation. The category, "Other means," includes workers who used a mode of travel which is not identified separately within the data distribution. The category, "Other means," may vary from table to table, depending on the amount of detail shown in a particular distribution.

The means of transportation data for some areas may show workers using modes of public transportation that are not available in those areas (e.g., subway or elevated riders in an MA where there actually is no subway or elevated service). This result is largely due to persons who worked during the reference week at a location that was different from their usual place of work (such as persons away from home on business in an area where subway service was available) and persons who used more than one means of transportation each day but whose principal means was unavailable where they lived (for example, residents of nonmetropolitan areas who drove to the fringe of an MA and took the commuter railroad most of the distance to work).

Private Vehicle Occupancy--The data on private vehicle occupancy were derived from answers to questionnaire item 23b. This question was asked of persons who indicated in question 21 that they worked at some time during the reference week and who reported in question 23a that their means of transportation to work was "Car, truck, or van." (For more information, see discussion under "Reference Week.")

Private vehicle occupancy refers to the number of persons who usually rode to work in the vehicle during the reference week. The category, "Drove alone," includes persons who usually drove alone to work as well as persons who were driven to work by someone who then drove back home or to a nonwork destination. The category, "Carpooled," includes workers who reported that two or more persons usually rode to work in the vehicle during the reference week.

Persons Per Car, Truck, or Van--This is obtained by dividing the number of persons who reported using a car, truck, or van to get to work by the number of such vehicles that they used. The number of vehicles used is derived by counting each person who drove alone as one vehicle, each person who reported being in a two-person carpool as one-half vehicle, each person who reported being in a three-person carpool as one-third vehicle, and so on, and then summing all the vehicles.

Time Leaving Home to Go to Work--The data on time leaving home to go to work were derived from answers to questionnaire item 24a. This question was asked of persons who indicated in question 21 that they worked at some time during the reference week and who reported in question 23a that they worked outside their home. The departure time refers to the time of day that the person usually left home to go to work during the reference week. (For more information, see discussion under "Reference Week.")

Travel Time to Work--The data on travel time to work were derived from answers to questionnaire item 24b. This question was asked of persons who indicated in question 21 that they worked at some time during the reference week and who reported in question 23a that they worked outside their home. Travel time to work refers to the total number of minutes that it usually took the person to get from home to work during the reference week. The elapsed time includes time spent waiting for

public transportation, picking up passengers in carpools, and time spent in other activities related to getting to work. (For more information, see discussion under "Reference Week.")

#### LANGUAGE SPOKEN AT HOME AND ABILITY TO SPEAK ENGLISH

Language Spoken at Home--Data on language spoken at home were derived from the answers to questionnaire items 15a and 15b, which were asked of a sample of persons born before April 1, 1985. Instructions mailed with the 1990 census questionnaire stated that a respondent should mark "Yes" in question 15a if the person sometimes or always spoke a language other than English at home and should not mark "Yes" if a language was spoken only at school or if speaking was limited to a few expressions or slang. For question 15b, respondents were instructed to print the name of the non-English language spoken at home. If the person spoke more than one language other than English, the person was to report the language spoken more often or the language learned first.

The cover of the census questionnaire included information in Spanish which provided a telephone number for respondents to call to request a census questionnaire and instructions in Spanish. Instruction guides were also available in 32 other languages to assist enumerators who encountered households or respondents who spoke no English.

Questions 15a and 15b referred to languages spoken at home in an effort to measure the current use of languages other than English. Persons who knew languages other than English but did not use them at home or who only used them elsewhere were excluded. Persons who reported speaking a language other than English at home may also speak English; however, the questions did not permit determination of the main or dominant language of persons who spoke both English and another language. (For more information, see discussion below on "Ability to Speak English.")

For persons who indicated that they spoke a language other than English at home in question 15a, but failed to specify the name of the language in question 15b, the language was assigned based on the language of other speakers in the household; on the language of a person of the same Spanish origin or detailed race group living in the same or a nearby area; or on a person of the same ancestry or place of birth. In all cases where a person was assigned a non-English language, it was assumed that the language was spoken at home. Persons for whom the name of a language other than English was entered in question 15b, and for whom question 15a was blank were assumed to speak that language at home.

The write-in responses listed in question 15b (specific language spoken) were transcribed onto computer files and coded into more than 380 detailed language categories using an automated coding system. The automated procedure compared write-in responses reported by respondents with entries in a computer dictionary, which initially contained approximately 2,000 language names. The dictionary was updated with a large number of new names, variations in spelling, and a small number of residual categories. Each write-in response was given a numeric code that was associated with one of the detailed categories in the dictionary. If the respondent listed more than one non-English language, only the first was coded.



The write-in responses represented the names people used for languages they speak. They may not match the names or categories used by linguists. The sets of categories used are sometimes geographic and sometimes linguistic. Figure 1 provides an illustration of the content of the classification schemes used to present language data. For more information, write to the Chief, Population Division, U.S. Bureau of the Census, Washington, DC 20233.

Household Language--In households where one or more persons (age 5 years old or over) speak a language other than English, the household language assigned to all household members is the non-English language spoken by the first person with a non-English language in the following order:

householder, spouse, parent, sibling, child, grandchild, other relative, stepchild, unmarried partner, housemate or roommate, roomer, boarder, or foster child, or other nonrelative. Thus, persons who speak only English may have a non-English household language assigned to them in tabulations of persons by household language.

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 Figure 1. Four- and Twenty-Five-Group Classifications of 1990 Census Languages Spoken at Home with Illustrative Examples

| Four-Group Classification                     | Twenty-Five-Group Classification      | Examples  |
|---|---------------------------------------|---|
| Spanish                                       | Spanish                               | Spanish, Ladino                                       |
| Other Indo-European                           | French                                | French, Cajun, French Creole                          |
|   | Italian                               |   |
|   | Portuguese                            |   |
|   | German                                |   |
|   | Yiddish                               |   |
|   | Other West Germanic                   | Afrikaans, Dutch, Pennsylvania Dutch                  |
|   | Scandinavian                          | Danish, Norwegian, Swedish                            |
|   | Polish                                |   |
|   | Russian                               |   |
|   | South Slavic                          | Serbocroatian, Bulgarian, Macedonian, Slovene         |
|   | Other Slavic                          | Czech, Slovak, Ukrainian                              |
|   | Greek                                 |   |
|   | Indic                                 | Hindi, Bengali, Gujarathi, Punjabi, Romany, Sinhalese |
| Other Indo-European, not elsewhere classified | Armenian, Gaelic, Lithuanian, Persian |   |

|   |  |  |
|---|--|--|
| Languages of<br>Asia and the<br>Pacific | Chinese<br>Japanese<br>Mon-Khmer<br>Tagalog<br>Korean<br>Vietnamese<br>Other languages<br>(part) | Cambodian<br><br><br><br><br><br>Chamorro, Dravidian<br>Languages, Hawaiian,<br>Ilocano, Thai, Turkish             |
| All other lan-<br>guages                | Arabic<br>Hungarian<br>Native North<br>American languages<br>Other languages<br>(part)           | Amharic, Syriac,<br>Finnish, Hebrew,<br>Languages of<br>Central and South<br>America, Other<br>Languages of Africa |

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Ability to Speak English--Persons 5 years old and over who reported that they spoke a language other than English in question 15a were also asked in question 15c to indicate their ability to speak English based on one of the following categories: "Very well," "Well," "Not well," or "Not at all."

The data on ability to speak English represent the person's own perception about his or her own ability or, because census questionnaires are usually completed by one household member, the responses may represent the perception of another household member. The instruction guides and questionnaires that were mailed to households did not include any information on how to interpret the response categories in question 15c.

Persons who reported that they spoke a language other than English at home but whose ability to speak English was not reported, were assigned the English-language ability of a randomly selected person of the same age, Spanish origin, nativity and year of entry, and language group.

Linguistic Isolation-- A household in which no person age 14 years or over speaks only English and no person age 14 years or over who speaks a language other than English speaks English "Very well" is classified as "linguistically isolated." All the members of a linguistically isolated household are tabulated as linguistically isolated, including members under age 14 years who may speak only English.

Limitation of the Data--Persons who speak a language other than English at home may have first learned that language at school. However, these persons would be expected to indicate that they spoke English "Very well." Persons who speak a language other than English, but do not do so at home, should have been reported as not speaking a language other than English at home.

The extreme detail in which language names were coded may give a false impression of the linguistic precision of these data. The names used by speakers of a language to identify it may reflect ethnic, geographic, or political affiliations and do not necessarily respect linguistic

distinctions. The categories shown in the tabulations were chosen on a number of criteria, such as information about the number of speakers of each language that might be expected in a sample of the United States population.

Comparability--Information on language has been collected in every census since 1890. The comparability of data among censuses is limited by changes in question wording, by the subpopulations to whom the question was addressed, and by the detail that was published.

The same question on language was asked in the 1980 and 1990 censuses. This question on the current language spoken at home replaced the questions asked in prior censuses on mother tongue; that is, the language other than English spoken in the person's home when he or she was a child; one's first language; or the language spoken before immigrating to the United States. The censuses of 1910-1940, 1960 and 1970 included questions on mother tongue. A change in coding procedure from 1980 to 1990 should have improved accuracy of coding and may affect the number of persons reported in some of the 380 plus categories. It should not greatly affect the 4-group or 25- group lists. In 1980, coding clerks supplied numeric codes for the written entries on each questionnaire using a 2,000 name reference list. In 1990 written entries were transcribed to a computer file and matched to a computer dictionary which began with the 2,000 name list, but expanded as unmatched names were referred to headquarters specialists for resolution.

The question on ability to speak English was asked for the first time in 1980. In tabulations from 1980, the categories "Very well" and "Well" were combined. Data from other surveys suggested a major difference between the category "Very well" and the remaining categories. In tabulations showing ability to speak English, persons who reported that they spoke English "Very well" are presented separately from persons who reported their ability to speak English as less than "Very well."

MARITAL STATUS--The data on marital status were derived from answers to questionnaire item 6, which was asked of all persons. The marital status classification refers to the status at the time of enumeration. Data on marital status are tabulated only for persons 15 years old and over.

All persons were asked whether they were "now married," "widowed," "divorced," "separated," or "never married." Couples who live together (unmarried persons, persons in common-law marriages) were allowed to report the marital status they considered the most appropriate.

Never Married--Includes all persons who have never been married, including persons whose only marriage(s) was annulled.

Ever Married--Includes persons married at the time of enumeration (including those separated), widowed, or divorced.

Now Married, Except Separated--Includes persons whose current marriage has not ended through widowhood, divorce, or separation (regardless of previous marital history). The category may also include couples who live together or persons in common-law marriages if they consider this category the most

appropriate. In certain tabulations, currently married persons are further classified as "spouse present" or "spouse absent."

Separated--Includes persons legally separated or otherwise absent from their spouse because of marital discord. Included are persons who have been deserted or who have parted because they no longer want to live together but who have not obtained a divorce.

Widowed--Includes widows and widowers who have not remarried.

Divorced--Includes persons who are legally divorced and who have not remarried.

In selected sample tabulations, data for married and separated persons are reorganized and combined with information on the presence of the spouse in the same household.

Now Married--All persons whose current marriage has not ended by widowhood or divorce. This category includes persons defined above as "separated."

Spouse Present--Married persons whose wife or husband was enumerated as a member of the same household, including those whose spouse may have been temporarily absent for such reasons as travel or hospitalization.

Spouse Absent--Married persons whose wife or husband was not enumerated as a member of the same household. This category also includes all married persons living in group quarters.

Separated--Defined above.

Spouse Absent, Other--Married persons whose wife or husband was not enumerated as a member of the same household, excluding separated. Included is any person whose spouse was employed and living away from home or in an institution or absent in the Armed Forces.

Differences between the number of currently married males and the number of currently married females occur because of reporting differences and because some husbands and wives have their usual residence in different areas. In sample tabulations, these differences can also occur because different weights are applied to the individual's data. Any differences between the number of "now married, spouse present" males and females are due solely to sample weighting. By definition, the numbers would be the same.

When marital status was not reported, it was imputed according to the relationship to the householder and sex and age of the person. (For more information on imputation, see Appendix C, Accuracy of the Data.)

Comparability--The 1990 marital status definitions are the same as those used in 1980 with the exception of the term "never married" which replaces the term "single" in tabulations. A general marital status question has been asked in every census since 1880.

MOBILITY LIMITATION STATUS--The data on mobility limitation status were derived from answers to questionnaire item 19a, which was asked of a sample of persons 15 years old and over. Persons were identified as having a mobility limitation if they had a health condition that had lasted for 6 or

more months and which made it difficult to go outside the home alone. Examples of outside activities on the questionnaire included shopping and visiting the doctor's office.

The term "health condition" referred to both physical and mental conditions. A temporary health problem, such as a broken bone that was expected to heal normally, was not considered a health condition.

Comparability--This was the first time that a question on mobility limitation was included in the census.

PLACE OF BIRTH--The data on place of birth were derived from answers to questionnaire item 8, which was asked on a sample basis. The place-of-birth question asked respondents to report the U.S. State, commonwealth or territory, or the foreign country where they were born. Persons born outside the United States were asked to report their place of birth according to current international boundaries. Since numerous changes in boundaries of foreign countries have occurred in the last century, some persons may have reported their place of birth in terms of boundaries that existed at the time of their birth or emigration, or in accordance with their own national preference.

Persons not reporting place of birth were assigned the birthplace of another family member or were allocated the response of another person with similar characteristics. Persons allocated as foreign born were not assigned a specific country of birth but were classified as "Born abroad, country not specified."

Nativity--Information on place of birth and citizenship were used to classify the population into two major categories: native and foreign born. When information on place of birth was not reported, nativity was assigned on the basis of answers to citizenship, if reported, and other characteristics.

Native--Includes persons born in the United States, Puerto Rico, or an outlying area of the United States. The small number of persons who were born in a foreign country but have at least one American parent also are included in this category.

The native population is classified in the following groups: persons born in the State in which they resided at the time of the census; persons born in a different State, by region; persons born in Puerto Rico or an outlying area of the U.S.; and persons born abroad with at least one American parent.

Foreign Born--Includes persons not classified as "Native." Prior to the 1970 census, persons not reporting place of birth were generally classified as native.

The foreign-born population is shown by selected area, country, or region of birth: the places of birth shown in data products were selected based on the number of respondents who reported that area or country of birth.

Comparability--Data on the State of birth of the native population have been collected in each census beginning with that of 1850. Similar data were shown in tabulations for the 1980 census and other recent censuses.

Nonresponse was allocated in a similar manner in 1980; however, prior to 1980, nonresponse to the place of birth question was not allocated. Prior to the 1970 census, persons not reporting place of birth were generally classified as native.

The questionnaire instruction to report mother's State of residence instead of the person's actual State of birth (if born in a hospital in a different State) was dropped in 1990. Evaluation studies of 1970 and 1980 census data demonstrated that this instruction was generally either ignored or misunderstood. Since the hospital and the mother's residence is in the same State for most births, this change may have a slight effect on State of birth data for States with large metropolitan areas that straddle State lines.

POVERTY STATUS IN 1989--The data on poverty status were derived from answers to the same questions as the income data, questionnaire items 32 and 33. (For more information, see the discussion under "Income in 1989.") Poverty statistics presented in census publications were based on a definition originated by the Social Security Administration in 1964 and subsequently modified by Federal interagency committees in 1969 and 1980 and prescribed by the Office of Management and Budget in Directive 14 as the standard to be used by Federal agencies for statistical purposes.

At the core of this definition was the 1961 economy food plan, the least costly of four nutritionally adequate food plans designed by the Department of Agriculture. It was determined from the Agriculture Department's 1955 survey of food consumption that families of three or more persons spend approximately one-third of their income on food; hence, the poverty level for these families was set at three times the cost of the economy food plan. For smaller families and persons living alone, the cost of the economy food plan was multiplied by factors that were slightly higher to compensate for the relatively larger fixed expenses for these smaller households.

The income cutoffs used by the Census Bureau to determine the poverty status of families and unrelated individuals included a set of 48 thresholds arranged in a two-dimensional matrix consisting of family size (from one person to nine or more persons) cross-classified by presence and number of family members under 18 years old (from no children present to eight or more children present). Unrelated individuals and two-person families were further differentiated by age of the householder (under 65 years old and 65 years old and over).

The total income of each family or unrelated individual in the sample was tested against the appropriate poverty threshold to determine the poverty status of that family or unrelated individual. If the total income was less than the corresponding cutoff, the family or unrelated individual was classified as "below the poverty level." The number of persons below the poverty level was the sum of the number of persons in families with incomes below the poverty level and the number of unrelated individuals with incomes below the poverty level.

The poverty thresholds are revised annually to allow for changes in the cost of living as reflected in the Consumer Price Index. The average poverty threshold for a family of four persons was \$12,674 in 1989. (For more information, see table A below.) Poverty thresholds were

applied on a national basis and were not adjusted for regional, State or local variations in the cost of living. For a detailed discussion of the poverty definition, see U.S. Bureau of the Census, Current Population Reports, Series P-60, No. 171, Poverty in the United States: 1988 and 1989.

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 Table A. Poverty Thresholds in 1989 by Size of Family and Number of Related Children Under 18 Years

| Size of Family Unit               | Weight average thresholds | Related children under 18 years |         |         |          |          |          |          |          |               |  |  |  |  |
|-----------------------------------|---------------------------|---------------------------------|---------|---------|----------|----------|----------|----------|----------|---------------|--|--|--|--|
|                                   |                           | None                            | One     | Two     | Three    | Four     | Five     | Six      | Seven    | Eight or more |  |  |  |  |
| One person (unrelated individual) | \$6,310                   |                                 |         |         |          |          |          |          |          |               |  |  |  |  |
| Under 65 yrs.                     | 6,451                     | \$6,451                         |         |         |          |          |          |          |          |               |  |  |  |  |
| 65 yrs. & over                    | 5,947                     | 5,947                           |         |         |          |          |          |          |          |               |  |  |  |  |
| Two persons                       | 8,076                     |                                 |         |         |          |          |          |          |          |               |  |  |  |  |
| Householder under 65 yrs.         | 8,343                     | 8,303                           | \$8,547 |         |          |          |          |          |          |               |  |  |  |  |
| Householder 65 yrs. & over        | 7,501                     | 7,495                           | 8,515   |         |          |          |          |          |          |               |  |  |  |  |
| Three persons                     | 9,885                     | 9,699                           | 9,981   | \$9,990 |          |          |          |          |          |               |  |  |  |  |
| Four persons                      | 12,674                    | 12,790                          | 12,999  | 12,575  | \$12,619 |          |          |          |          |               |  |  |  |  |
| Five persons                      | 14,990                    | 15,424                          | 15,648  | 15,169  | 14,798   | \$14,572 |          |          |          |               |  |  |  |  |
| Six persons                       | 16,921                    | 17,740                          | 17,811  | 17,444  | 17,092   | 16,569   | \$16,259 |          |          |               |  |  |  |  |
| Seven persons                     | 19,162                    | 20,412                          | 20,540  | 20,101  | 19,794   | 19,224   | 18,558   | \$17,828 |          |               |  |  |  |  |
| Eight persons                     | 21,328                    | 22,830                          | 23,031  | 22,617  | 22,253   | 21,738   | 21,084   | 20,403   | \$20,230 |               |  |  |  |  |
| Nine or more persons              | 25,480                    | 27,463                          | 27,596  | 27,229  | 26,921   | 26,415   | 25,719   | 25,089   | 24,933   | \$23,973      |  |  |  |  |

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 Persons for Whom Poverty Status is Determined-- Poverty status was determined for all persons except institutionalized persons, persons in military group quarters and in college dormitories, and unrelated individuals under 15 years old. These groups also were excluded from the denominator when calculating poverty rates.

Specified Poverty Levels--Since the poverty levels currently in use by the Federal Government do not meet all the needs of data users, some of the data are presented for alternate levels. These specified poverty levels are obtained by multiplying the income cutoffs at the poverty level by the appropriate factor. For example, the average income cutoff at 125 percent of poverty level was \$15,843 (\$12,674 x 1.25) in 1989 for a family of four persons.

Weighted Average Thresholds at the Poverty Level--The average thresholds shown in the first column of table A are weighted by the presence and number of children. For example, the weighted average threshold for a given family size is obtained by multiplying the threshold for each presence and number of children category within the given family size by the number of families in that category. These products are then aggregated across the entire range of presence and number of children categories, and the aggregate is divided by the total number of families in the group to yield the weighted average threshold at the poverty level for that family size.

Since the basic thresholds used to determine the poverty status of families and unrelated individuals are applied to all families and unrelated individuals, the weighted average poverty thresholds are derived using all families and unrelated individuals rather than just those classified as being below the poverty level. To obtain the weighted poverty thresholds for families and unrelated individuals below alternate poverty levels, the weighted thresholds shown in table A may be multiplied directly by the appropriate factor. The weighted average thresholds presented in the table are based on the March 1990 Current Population Survey. However, these thresholds would not differ significantly from those based on the 1990 census.

**Income Deficit**--Represents the difference between the total income of families and unrelated individuals below the poverty level and their respective poverty thresholds. In computing the income deficit, families reporting a net income loss are assigned zero dollars and for such cases the deficit is equal to the poverty threshold.

This measure provided an estimate of the amount which would be required to raise the incomes of all poor families and unrelated individuals to their respective poverty thresholds. The income deficit is thus a measure of the degree of impoverishment of a family or unrelated individual. However, caution must be used in comparing the average deficits of families with different characteristics. Apparent differences in average income deficits may, to some extent, be a function of differences in family size.

**Mean Income Deficit**--Represents the amount obtained by dividing the total income deficit of a group below the poverty level by the number of families (or unrelated individuals) in that group.

**Comparability**--The poverty definition used in the 1990 and 1980 censuses differed slightly from the one used in the 1970 census. Three technical modifications were made to the definition used in the 1970 census as described below:

1. The separate thresholds for families with a female householder with no husband present and all other families were eliminated. For the 1980 and 1990 censuses, the weighted average of the poverty thresholds for these two types of families was applied to all types of families, regardless of the sex of the householder.
2. Farm families and farm unrelated individuals no longer had a set of poverty thresholds that were lower than the thresholds applied to nonfarm families and unrelated individuals. The farm thresholds were 85 percent of the corresponding levels for nonfarm families in the 1970 census. The same thresholds were applied to all families and unrelated individuals regardless of residence in 1980 and 1990.
3. The thresholds by size of family were extended from seven or more persons in 1970 to nine or more persons in 1980 and 1990.

These changes resulted in a minimal increase in the number of poor at the national level. For a complete discussion of these modifications and their impact, see the Current Population Reports, Series P-60, No. 133.



The population covered in the poverty statistics derived from the 1980 and 1990 censuses was essentially the same as in the 1970 census. The only difference was that in 1980 and 1990, unrelated individuals under 15 years old were excluded from the poverty universe, while in 1970, only those under 14 years old were excluded. The poverty data from the 1960 census excluded all persons in group quarters and included all unrelated individuals regardless of age. It was unlikely that these differences in population coverage would have had significant impact when comparing the poverty data for persons since the 1960 censuses.

Current Population Survey--Because of differences in the questionnaires and data collection procedures, estimates of the number of persons below the poverty level by various characteristics from the 1990 census may differ from those reported in the March 1990 Current Population Survey.

RACE--The data on race were derived from answers to questionnaire item 4, which was asked of all persons. The concept of race as used by the Census Bureau reflects self-identification; it does not denote any clear-cut scientific definition of biological stock. The data for race represent self-classification by people according to the race with which they most closely identify. Furthermore, it is recognized that the categories of the race item include both racial and national origin or socio-cultural groups.

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

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

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

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

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

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

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

The information on tribe is based on self-identification and therefore does not reflect any designation of Federally- or State-recognized tribe. Information on American Indian tribes is presented in summary tape files and special data products. The information is derived from the American Indian Detailed Tribal Classification List for the 1990 census. The classification list represents all tribes, bands, and clans that had a specified number of American Indians reported on the census questionnaire.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Samoaan--Includes persons who indicated their race as "Samoaan" or persons who identified themselves as American Samoaan or Western Samoaan.

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

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

Other Race--Includes all other persons not included in the "White," "Black," "American Indian, Eskimo, or Aleut," and the "Asian or Pacific Islander" race categories described above.

Persons reporting in the "Other race" category and providing write-in entries such as multiracial, multiethnic, mixed, interracial, Wesort, or a Spanish/Hispanic origin group (such as Mexican, Cuban, or Puerto Rican) are included here.

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

The written entries under "Indian (Amer.\*)" and "Other Asian or Pacific Islander (API)" were reviewed and coded during 100-percent processing of the 1990 census questionnaires. A substantial portion of the entries for the "Other race" category also were reviewed, edited, and coded during the 100-percent processing. The remaining entries under "Other race" underwent review and coding during

sample processing. Most of the written entries reviewed and coded during sample processing were those indicating Hispanic origin such as Mexican, Cuban, or Puerto Rican.

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

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

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

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

| Asian          | Pacific Islander          |
|----------------|---------------------------|
| Chinese        | Hawaiian                  |
| Filipino       | Samoan                    |
| Japanese       | Guamanian                 |
| Asian Indian   | Other Pacific Islander(1) |
| Korean         | Carolinian                |
| Vietnamese     | Fijian                    |
| Cambodian      | Kosraean                  |
| Hmong          | Melanesian(3)             |
| Laotian        | Micronesian(3)            |
| Thai           | Northern Mariana Islander |
| Other Asian(1) | Palauan                   |
| Bangladeshi    | Papua New Guinean         |
| Bhutanese      | Ponapean (Pohnpeian)      |

|                         |                                 |
|-------------------------|---------------------------------|
| Borneo                  | Polynesian(3)                   |
| Burmese                 | Solomon Islander                |
| Celebesian              | Tahitian                        |
| Ceram                   | Tarawa Islander                 |
| Indochinese             | Tokelauan                       |
| Indonesian              | Tongan                          |
| Iwo-Jiman               | Trukese (Chuukese)              |
| Javanese                | Yapese                          |
| Malayan                 | Pacific Islander, not specified |
| Maldivian               |                                 |
| Nepali                  |                                 |
| Okinawan                |                                 |
| Pakistani               |                                 |
| Sikkim                  |                                 |
| Singaporean             |                                 |
| Sri Lankan              |                                 |
| Sumatran                |                                 |
| Asian, not specified(2) |                                 |

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

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

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

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

Another major difference between the 1990 and preceding censuses is the handling of the write-in responses for the Asian or Pacific Islander populations. In addition to the nine Asian or Pacific Islander categories shown on the questionnaire under the spanner "Asian or Pacific Islander (API)," the 1990 census race item provided a new residual category, "Other API," for Asian or Pacific Islander persons who did not report in one of the listed Asian or Pacific Islander groups. During the coding operation, write-in responses for "Other API" were reviewed, coded, and assigned to the appropriate classification. For example, in 1990, a write-in entry of Laotian, Thai, or Javanese is classified as "Other Asian," while a write-in entry of Tongan or Fijian is classified as "Other Pacific

Islander." In the 1990 census, these persons were able to identify as "Other API" in both the 100-percent and sample operations.

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

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

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

#### REFERENCE WEEK

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

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

#### RESIDENCE IN 1985

The data on residence in 1985 were derived from answers to question 14b, which asked for the State (or foreign country), county, and place of residence on April 1, 1985, for those persons reporting in question 14a that on that date they lived in a different house than their

current residence. Residence in 1985 is used in conjunction with location of current residence to determine the extent of residential mobility of the population and the resulting redistribution of the population across the various States, metropolitan areas, and regions of the country.

When no information on residence in 1985 was reported for a person, information for other family members, if available, was used to assign a location of residence in 1985. All cases of nonresponse or incomplete response that were not assigned a previous residence based on information from other family members were allocated the previous residence of another person with similar characteristics who provided complete information.

The tabulation category, "Same house," includes all persons 5 years old and over who did not move during the 5 years as well as those who had moved but by 1990 had returned to their 1985 residence. The category, "Different house in the United States," includes persons who lived in the United States in 1985 but in a different house or apartment from the one they occupied on April 1, 1990. These movers are then further subdivided according to the type of move.

In most tabulations, movers are divided into three groups according to their 1985 residence: "Different house, same county," "Different county, same State," and "Different State." The last group may be further subdivided into region of residence in 1985. The category, "Abroad," includes those persons who were residing in a foreign country, Puerto Rico, or an outlying area of the U.S. in 1985, including members of the Armed Forces and their dependents. Some tabulations show movers who were residing in Puerto Rico or an outlying area in 1985 separately from those residing in other countries.

In tabulations for metropolitan areas, movers are categorized according to the metropolitan status of their current and previous residences, resulting in such groups as movers within an MSA/PMSA, movers between PMSA's, movers from nonmetropolitan areas to MSA/PMSA, and movers from central cities to the remainder of an MSA/PMSA. In some tabulations, these categories are further subdivided by size of MSA/PMSA, region of current or previous residence, or movers within or between central cities and the remainder of the same or a different MSA/PMSA.

The size categories used in some tabulations for both 1985 and 1990 residence refer to the populations of the MSA/PMSA on April 1, 1990; that is, at the end of the migration interval.

Some tabulations present data on immigrants, outmigrants, and net migration. "Immigrants" are generally defined as those persons who entered a specified area by crossing its boundary from some point outside the area. In some tabulations, movers from abroad are included in the number of immigrants; in others, only movers within the United States are included.

"Outmigrants" are persons who depart from a specific area by crossing its boundary to a point outside it, but without leaving the United States. "Net migration" is calculated by subtracting the number of outmigrants from the number of immigrants and, depending upon the particular tabulation, may or may not include movers from abroad.

The net migration for the area is net immigration if the result was positive and net outmigration if the result was negative. In the tabulations, net outmigration is indicated by a minus sign (-).

Inmigrants and outmigrants for States include only those persons who did not live in the same State in 1985 and 1990; that is, they exclude persons who moved between counties within the same State. Thus, the sum of the inmigrants to (or outmigrants from) all counties in any State is greater than the number of inmigrants to (or outmigrants from) that State. However, in the case of net migration, the sum of the nets for all the counties within a State equal the net for the State. In the same fashion, the net migration for a division or region equals the sum of the nets for the States comprising that division or region, while the number of inmigrants and outmigrants for that division or region is less than the sum of the inmigrants or outmigrants for the individual States.

The number of persons who were living in a different house in 1985 is somewhat less than the total number of moves during the 5-year period. Some persons in the same house at the two dates had moved during the 5-year period but by the time of the census had returned to their 1985 residence. Other persons who were living in a different house had made one or more intermediate moves. For similar reasons, the number of persons living in a different county, MSA/PMSA, or State or moving between nonmetropolitan areas may be understated.

Comparability--Similar questions were asked on all previous censuses beginning in 1940, except the questions in 1950 referred to residence 1 year earlier rather than 5 years earlier. Although the questions in the 1940 census covered a 5-year period, comparability with that census was reduced somewhat because of different definitions and categories of tabulation. Comparability with the 1960 and 1970 census is also somewhat reduced because nonresponse was not allocated in those earlier censuses. For the 1980 census, nonresponse was allocated in a manner similar to the 1990 allocation scheme.

#### SCHOOL ENROLLMENT AND LABOR FORCE STATUS

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

Comparability--The tabulation of school enrollment by labor force status is similar to that published in 1980 census reports. The 1980 census tabulation included a single data line for Armed Forces; however, enrollment, attainment, and labor force status data were shown for the



civilian population only. In 1970, a tabulation was included for 16 to 21 year old males not attending school.

#### SCHOOL ENROLLMENT AND TYPE OF SCHOOL

Data on school enrollment were derived from answers to questionnaire item 11, which was asked of a sample of persons. Persons were classified as enrolled in school if they reported attending a "regular" public or private school or college at any time between February 1, 1990, and the time of enumeration. The question included instructions to "include only nursery school, kindergarten, elementary school, and schooling which would lead to a high school diploma or a college degree" as regular school. Instructions included in the 1990 respondent instruction guide, which was mailed with the census questionnaire, further specified that enrollment in a trade or business school, company training, or tutoring were not to be included unless the course would be accepted for credit at a regular elementary school, high school, or college. Persons who did not answer the enrollment question were assigned the enrollment status and type of school of a person with the same age, race or Hispanic origin, and, at older ages, sex, whose residence was in the same or a nearby area.

Public and Private School--Includes persons who attended school in the reference period and indicated they were enrolled by marking one of the questionnaire categories for either "public school, public college" or "private school, private college." The instruction guide defines a public school as "any school or college controlled and supported by a local, county, State, or Federal Government." "Schools supported and controlled primarily by religious organizations or other private groups" are defined as private. Persons who filled both the "public" and "private" circles are edited to the first entry, "public."

Level of School in Which Enrolled--Persons who were enrolled in school were classified as enrolled in "preprimary school," "elementary or high school," or "college" according to their response to question 12 (years of school completed or highest degree received). Persons who were enrolled and reported completing nursery school or less were classified as enrolled in "preprimary school," which includes kindergarten. Similarly, enrolled persons who had completed at least kindergarten, but not high school, were classified as enrolled in elementary or high school. Enrolled persons who reported completing high school or some college or having received a post-secondary degree were classified as enrolled in "college." Enrolled persons who reported completing the twelfth grade but receiving "NO DIPLOMA" were classified as enrolled in high school. (For more information on level of school, see the discussion under "Educational Attainment.")

Comparability--School enrollment questions have been included in the census since 1840; grade attended was first asked in 1940; type of school was first asked in 1960. Before 1940, the enrollment question in various censuses referred to attendance in the preceding six months or the preceding year. In 1940, the reference was to attendance in the month preceding the census, and in the 1950 and subsequent censuses, the question referred to attendance in the two months preceding the census date.

Until the 1910 census, there were no instructions limiting the kinds of schools in which enrollment was to be counted. Starting in 1910, the instructions indicated that attendance at "school, college, or any

educational institution" was to be counted. In 1930 an instruction to include "night school" was added. In the 1940 instructions, night school, extension school, or vocational school were included only if the school was part of the regular school system. Correspondence school work of any kind was excluded. In the 1950 instructions, the term "regular school" was introduced, and it was defined as schooling which "advances a person towards an elementary or high school diploma or a college, university, or professional school degree." Vocational, trade, or business schools were excluded unless they were graded and considered part of a regular school system. On-the-job training was excluded, as was nursery school. Instruction by correspondence was excluded unless it was given by a regular school and counted towards promotion.

In 1960, the question used the term "regular school or college" and a similar, though expanded, definition of "regular" was included in the instructions, which continued to exclude nursery school. Because of the census' use of mailed questionnaires, the 1960 census was the first in which instructions were written for the respondent as well as enumerators. In the 1970 census, the questionnaire used the phrase "regular school or college" and included instructions to "count nursery school, kindergarten, and schooling which leads to an elementary school certificate, high school diploma, or college degree." Instructions in a separate document specified that to be counted as regular school, nursery school must include instruction as an important and integral phase of its program, and continued the exclusion of vocational, trade, and business schools. The 1980 census question was very similar to the 1970 question, but the separate instruction booklet did not require that nursery school include substantial instructional content in order to be counted.

The age range for which enrollment data have been obtained and published has varied over the censuses. Information on enrollment was recorded for persons of all ages in the 1930 and 1940 and 1970 through 1990; for persons under age 30, in 1950; and for persons age 5 to 34, in 1960. Most of the published enrollment figures referred to persons age 5 to 20 in the 1930 census, 5 to 24 in 1940, 5 to 29 in 1950, 5 to 34 in 1960, 3 to 34 in 1970, and 3 years old and over in 1980. This growth in the age group whose enrollment was reported reflects increased interest in the number of children in preprimary schools and in the number of older persons attending colleges and universities.

In the 1950 and subsequent censuses, college students were enumerated where they lived while attending college, whereas in earlier censuses, they generally were enumerated at their parental homes. This change should not affect the comparability of national figures on college enrollment since 1940; however, it may affect the comparability over time of enrollment figures at sub-national levels.

Type of school was first introduced in the 1960 census, where a separate question asked the enrolled persons whether they were in a "public" or "private" school. Since the 1970 census, the type of school was incorporated into the response categories for the enrollment question and the terms were changed to "public," "parochial," and "other private." In the 1980 census, "private, church related" and "private, not church related" replaced "parochial" and "other private."

Grade of enrollment was first available in the 1940 census, where it was obtained from responses to the question on highest grade of school completed. Enumerators were instructed that "for a person still in school, the last grade completed will be the grade preceding the one in which he or she was now enrolled." From 1950 to 1980, grade of enrollment was obtained from the highest grade attended in the two-part question used to measure educational attainment. (For more information, see the discussion under "Educational Attainment.") The form of the question from which level of enrollment was derived in the 1990 census most closely corresponds to the question used in 1940. While data from prior censuses can be aggregated to provide levels of enrollment comparable to the 1990 census, 1990 data cannot be disaggregated to show single grade of enrollment as in previous censuses.

Data on school enrollment were also collected and published by other Federal, State, and local government agencies. Where these data were obtained from administrative records of school systems and institutions of higher learning, they were only roughly comparable with data from population censuses and household surveys because of differences in definitions and concepts, subject matter covered, time references, and enumeration methods. At the local level, the difference between the location of the institution and the residence of the student may affect the comparability of census and administrative data. Differences between the boundaries of school districts and census geographic units also may affect these comparisons.

#### SELF-CARE LIMITATION STATUS

The data on self-care limitation status were derived from answers to questionnaire item 19b, which was asked of a sample of persons 15 years old and over. Persons were identified as having a self-care limitation if they had a health condition that had lasted for 6 or more months and which made it difficult to take care of their own personal needs, such as dressing, bathing, or getting around inside the home.

The term "health condition" referred to both physical and mental conditions. A temporary health problem, such as a broken bone that was expected to heal normally was not considered a health condition.

Comparability--This was the first time that a question on self-care limitation was included in the census.

#### SEX

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

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

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

#### VETERAN STATUS

Data on veteran status, period of military service, and years of military service were derived from answers to questionnaire item 17, which was asked of a sample of persons.

Veteran Status--The data on veteran status were derived from responses to question 17a. For census data products, a "civilian veteran" is a person 16 years old or over who had served (even for a short time) but is not now serving on active duty in the U.S. Army, Navy, Air Force, Marine Corps, or the Coast Guard, or who served as a Merchant Marine seaman during World War II. Persons who served in the National Guard or military Reserves are classified as veterans only if they were ever called or ordered to active duty not counting the 4-6 months for initial training or yearly summer camps. All other civilians 16 years old and over are classified as nonveterans.

Period of Military Service--Persons who indicated in question 17a that they had served on active duty (civilian veterans) or were now on active duty were asked to indicate in question 17b the period or periods in which they served. Persons serving in at least one wartime period are classified in their most recent wartime period. For example, persons who served both during the Korean conflict and the post-Korean peacetime era between February 1955 and July 1964 are classified in one of the two "Korean conflict" categories. If the same person had also served during the Vietnam era, he or she would instead be included in the "Vietnam era and Korean conflict" category. The responses were edited to eliminate inconsistencies between reported period(s) of service and the age of the person and to cancel out reported combinations of periods containing unreasonable gaps (for example, a person could not serve during World War I and the Korean conflict without serving during World War II). Note that the period of service categories shown in this report are mutually exclusive.

Years of Military Service--Persons who indicated in question 17a that they had served on active duty (civilian veterans) or were now on active duty were asked to report the total number of years of active-duty service in question 17c. The data were edited for consistency with responses to question 17b (Period of Military Service) and with the age of the person.

Limitation of the Data--There may be a tendency for the following kinds of persons to report erroneously that they served on active duty in the Armed Forces: (a) persons who served in the National Guard or military Reserves but were never called to active duty; (b) civilian employees or volunteers for the USO, Red Cross, or the Department of Defense (or its predecessor Departments, War and Navy); and (c) employees of the Merchant Marine or Public Health Service. There may also be a tendency for persons to erroneously round up months to the nearest year in question 17c (for example, persons with 1 year 8 months of active duty military service may mistakenly report "2 years").

Comparability--Since census data on veterans were based on self-reported responses, they may differ from data from other sources such as administrative records of the Department of Defense. Census data may also

differ from Veterans Administration data on the benefits-eligible population, since factors determining eligibility for veterans benefits differ from the rules for classifying veterans in the census.

The wording of the question on veteran status (17a) for 1990 was expanded from the veteran/not veteran question in 1980 to include questions on current active duty status and service in the military Reserves and the National Guard. The expansion was intended to clarify the appropriate response for persons in the Armed Forces and for persons who served in the National Guard or military Reserve units only. For the first time in a census, service during World War II as a Merchant Marine Seaman was considered active-duty military service and persons with such service were counted as veterans. An additional period of military service, "September 1980 or later" was added in 1990. As in 1970 and 1980, persons reporting more than one period of service are shown in the most recent wartime period of service category. Question 17c (Years of Military Service) was new for 1990.

#### WORK DISABILITY STATUS

The data on work disability were derived from answers to questionnaire item 18, which was asked of a sample of persons 15 years old and over. Persons were identified as having a work disability if they had a health condition that had lasted for 6 or more months and which limited the kind or amount of work they could do at a job or business. A person was limited in the kind of work he or she could do if the person had a health condition which restricted his or her choice of jobs. A person was limited in the amount of work if he or she was not able to work full-time. Persons with a work disability were further classified as "Prevented from working" or "Not prevented from working."

The term "health condition" referred to both physical and mental conditions. A temporary health problem, such as a broken bone that was expected to heal normally, was not considered a health condition.

Comparability--The wording of the question on work disability was the same in 1990 as in 1980. Information on work disability was first collected in 1970. In that census, the work disability question did not contain a clause restricting the definition of disability to limitations caused by a health condition that had lasted 6 or more months; however, it did contain a separate question about the duration of the disability.

#### WORK STATUS IN 1989

The data on work status in 1989 were derived from answers to questionnaire item 31, which was asked of a sample of persons. Persons 16 years old and over who worked 1 or more weeks according to the criteria described below are classified as "Worked in 1989." All other persons 16 years old and over are classified as "Did not work in 1989." Some tabulations showing work status in 1989 include 15 year olds; these persons, by definition, are classified as "Did not work in 1989."

## Weeks Worked in 1989

The data on weeks worked in 1989 were derived from responses to questionnaire item 31b. Question 31b (Weeks Worked in 1989) was asked of persons 16 years old and over who indicated in question 31a that they worked in 1989.

The data pertain to the number of weeks during 1989 in which a person did any work for pay or profit (including paid vacation and paid sick leave) or worked without pay on a family farm or in a family business. Weeks of active service in the Armed Forces are also included.

## Usual Hours Worked Per Week Worked in 1989

The data on usual hours worked per week worked in 1989 were derived from answers to questionnaire item 31c. This question was asked of persons 16 years old and over who indicated that they worked in 1989.

The data pertain to the number of hours a person usually worked during the weeks worked in 1989. The respondent was to report the number of hours worked per week in the majority of the weeks he or she worked in 1989. If the hours worked per week varied considerably during 1989, the respondent was to report an approximate average of the hours worked per week. The statistics on usual hours worked per week in 1989 are not necessarily related to the data on actual hours worked during the census reference week (question 21b).

Persons 16 years old and over who reported that they usually worked 35 or more hours each week during the weeks they worked are classified as "Usually worked full time;" persons who reported that they usually worked 1 to 34 hours are classified as "Usually worked part time."

Year-Round Full-Time Workers--All persons 16 years old and over who usually worked 35 hours or more per week for 50 to 52 weeks in 1989.

Number of Workers in Family in 1989--The term "worker" as used for these data is defined based on the criteria for Work Status in 1989.

Limitation of the Data--It is probable that the number of persons who worked in 1989 and the number of weeks worked are understated since there was some tendency for respondents to forget intermittent or short periods of employment or to exclude weeks worked without pay. There may also be a tendency for persons not to include weeks of paid vacation among their weeks worked; one result may be that the census figures may understate the number of persons who worked "50 to 52 weeks."

Comparability--The data on weeks worked collected in the 1990 census were comparable with data from the 1980, 1970, and 1960 censuses, but may not be entirely comparable with data from the 1940 and 1950 censuses. Since the 1960 census, two separate questions have been used to obtain this information. The first identified persons with any work experience during the year and, thus, indicated those persons for whom the questions on number of weeks worked applied. In 1940 and 1950, however, the questionnaires contained only a single question on number of weeks worked.

In 1970, persons responded to the question on weeks worked by indicating one of six weeks-worked intervals. In 1980 and 1990, persons were asked to enter the specific number of weeks they worked.

#### YEAR OF ENTRY

The data on year of entry were derived from answers to questionnaire item 10, which was asked of a sample of persons. The question, "When did this person come to the United States to stay?" was asked of persons who indicated in the question on citizenship that they were not born in the United States. (For more information, see the discussion under "Citizenship.")

The 1990 census questions, tabulations, and census data products about citizenship and year of entry include no reference to immigration. All persons who were born and resided outside the United States before becoming residents of the United States have a date of entry. Some of these persons are U.S. citizens by birth (e.g., persons born in Puerto Rico or born abroad of American parents). To avoid any possible confusion concerning the date of entry of persons who are U.S. citizens by birth, the term, "year of entry" is used in this report instead of the term "year of immigration."

Limitation of the Data--The census questions on nativity, citizenship, and year of entry were not designed to measure the degree of permanence of residence in the United States. The phrase, "to stay" was used to obtain the year in which the person became a resident of the United States. Although the respondent was directed to indicate the year he or she entered the country "to stay," it was difficult to ensure that respondents interpreted the phrase correctly.

Comparability--A question on year of entry, (alternately called "year of immigration") was asked in each decennial census from 1890 to 1930, 1970, and 1980. In 1980, the question on year of entry included six arrival time intervals. The number of arrival intervals was expanded to ten in 1990. In 1980, the question on year of entry was asked only of the foreign-born population. In 1990, all persons who responded to the long-form questionnaire and were not born in the United States were to complete the question on year of entry.

#### HOUSING CHARACTERISTICS

##### LIVING QUARTERS

Living quarters are classified as either housing units or group quarters. (For more information, see the discussion of "Group Quarters" under Population Characteristics.) Usually, living quarters are in structures intended for residential use (for example, a one-family home, apartment house, hotel or motel, boarding house, or mobile home). Living quarters also may be in structures intended for nonresidential use (for example, the rooms in a warehouse where a guard lives), as well as in places such as tents, vans, shelters for the homeless, dormitories, barracks, and old railroad cars.

Housing Units--A housing unit is a house, an apartment, a mobile home or trailer, a group of rooms or a single room occupied as separate living quarters or, if vacant, intended for occupancy as separate living quarters.

Separate living quarters are those in which the occupants live and eat separately from any other persons in the building and which have direct access from outside the building or through a common hall.

The occupants may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated persons who share living arrangements. For vacant units, the criteria of separateness and direct access are applied to the intended occupants whenever possible. If that information cannot be obtained, the criteria are applied to the previous occupants.

Both occupied and vacant housing units are included in the housing unit inventory, except that recreational vehicles, boats, vans, tents, railroad cars, and the like are included only if they are occupied as someone's usual place of residence. Vacant mobile homes are included provided they are intended for occupancy on the site where they stand. Vacant mobile homes on dealers' sales lots, at the factory, or in storage yards are excluded from the housing inventory.

If the living quarters contains nine or more persons unrelated to the householder or person in charge (a total of at least 10 unrelated persons), it is classified as group quarters. If the living quarters contains eight or fewer persons unrelated to the householder or person in charge, it is classified as a housing unit.

Occupied Housing Units--A housing unit is classified as occupied if it is the usual place of residence of the person or group of persons living in it at the time of enumeration, or if the occupants are only temporarily absent; that is, away on vacation or business. If all the persons staying in the unit at the time of the census have their usual place of residence elsewhere, the unit is classified as vacant. A household includes all the persons who occupy a housing unit as their usual place of residence. By definition, the count of occupied housing units for 100-percent tabulations is the same as the count of households or householders. In sample tabulations, the counts of household and occupied housing units may vary slightly because of different sample weighting methods.

Vacant Housing Units--A housing unit is vacant if no one is living in it at the time of enumeration, unless its occupants are only temporarily absent. Units temporarily occupied at the time of enumeration entirely by persons who have a usual residence elsewhere also are classified as vacant. (For more information, see discussion under "Usual Home Elsewhere.")

New units not yet occupied are classified as vacant housing units if construction has reached a point where all exterior windows and doors are installed and final usable floors are in place. Vacant units are excluded if they are open to the elements; that is, the roof, walls, windows, and/or doors no longer protect the interior from the elements, or if there is positive evidence (such as a sign on the house or in the block) that the unit is condemned or is to be demolished. Also excluded are quarters being used entirely for nonresidential purposes, such as a store or an office, or quarters used for the storage of business supplies or inventory, machinery, or agricultural products.

Hotels, Motels, Rooming Houses, Etc.--Occupied rooms or suites of rooms in hotels, motels, and similar places are classified as housing units only when occupied by permanent residents; that is, persons who consider the



hotel as their usual place of residence or have no usual place of residence elsewhere. Vacant rooms or suites of rooms are classified as housing units only in those hotels, motels, and similar places in which 75 percent or more of the accommodations are occupied by permanent residents.

If any of the occupants in a rooming or boarding house live and eat separately from others in the building and have direct access, their quarters are classified as separate housing units.

Staff Living Quarters--The living quarters occupied by staff personnel within any group quarters are separate housing units if they satisfy the housing unit criteria of separateness and direct access; otherwise, they are considered group quarters.

Comparability--The first Census of Housing in 1940 established the "dwelling unit" concept. Although the term became "housing unit" and the definition has been modified slightly in succeeding censuses, the 1990 definition is essentially comparable to previous censuses. There was no change in the housing unit definition between 1980 and 1990.

#### ACREAGE

The data on acreage were obtained from questionnaire items H5a and H19a. Question H5a was asked at all occupied and vacant one-family houses and mobile homes. Question H19a was asked on a sample basis at occupied and vacant one-family houses and mobile homes.

Question H5a asks whether the house or mobile home is located on a place of 10 or more acres. The intent of this item is to exclude owner-occupied and renter-occupied one-family houses on 10 or more acres from the specified owner- and renter-occupied universes for value and rent tabulations.

Question H19a provides data on whether the unit is located on less than 1 acre. The main purpose of this item, in conjunction with question H19b on agricultural sales, is to identify farm units. (For more information, see discussion under "Farm Residence.")

For both items, the land may consist of more than one tract or plot. These tracts or plots are usually adjoining; however, they may be separated by a road, creek, another piece of land, etc.

Comparability--Question H5a is similar to that asked in 1970 and 1980. This item was asked for the first time of mobile home occupants in 1990. Question H19a is an abbreviated form of a question asked on a sample basis in 1980. In previous censuses, information on city or suburban lot and number of acres was obtained also.

#### AGRICULTURAL SALES

Data on the sales of agricultural crops were obtained from questionnaire item H19b, which was asked on a sample basis at occupied one-family houses and mobile homes located on lots of 1 acre or more. Data for this item exclude units on lots of less than 1 acre, units located in structures containing 2 or more units, and all vacant units. This item refers to the total amount (before taxes and expenses) received in 1989 from the sale of crops, vegetables, fruits, nuts,

livestock and livestock products, and nursery and forest products, produced on "this property." Respondents new to a unit were asked to estimate total agricultural sales in 1989 even if some portion of the sales had been made by other occupants of the unit.

This item is used mainly to classify housing units as farm or nonfarm residences, not to provide detailed information on the sale of agricultural products. Detailed information on the sale of agricultural products is provided by the Census Bureau's Census of Agriculture (Factfinder for the Nation: Agricultural Statistics, Bureau of the Census, 1989). (For more information, see the discussion under "Farm Residence.")

#### BEDROOMS

The data on bedrooms were obtained from questionnaire item H9, which was asked at both occupied and vacant housing units. This item was asked on a sample basis. The number of bedrooms is the count of rooms designed to be used as bedrooms; that is, the number of rooms that would be listed as bedrooms if the house or apartment were on the market for sale or for rent. Included are all rooms intended to be used as bedrooms even if they currently are being used for some other purpose. A housing unit consisting of only one room, such as a one-room efficiency apartment, is classified, by definition, as having no bedroom.

Comparability--Data on bedrooms have been collected in every census since 1960. In 1970 and 1980, data for bedrooms were shown only for year-round units. In past censuses, a room was defined as a bedroom if it was used mainly for sleeping even if also used for other purposes. Rooms that were designed to be used as bedrooms but used mainly for other purposes were not considered to be bedrooms. A distribution of housing units by number of bedrooms calculated from data collected in a 1986 test showed virtually no differences in the two versions except in the two bedroom category, where the previous "use" definition showed a slightly lower proportion of units.

#### BOARDED-UP STATUS

Boarded-up status was obtained from questionnaire item C2 and was determined for all vacant units. Boarded-up units have windows and doors covered by wood, metal, or masonry to protect the interior and to prevent entry into the building. A single-unit structure, a unit in a multi-unit structure, or an entire multi-unit structure may be boarded-up in this way. For certain census data products, boarded-up units are shown only for units in the "Other vacant" category. A unit classified as "Usual home elsewhere" can never be boarded up. (For more information, see the discussion under "Usual Home Elsewhere.")

Comparability--This item was first asked in the 1980 census and was shown only for year-round vacant housing units. In 1990, data are shown for all vacant housing units.

## BUSINESS ON PROPERTY

The data for business on property were obtained from questionnaire item H5b, which was asked at all occupied and vacant one-family houses and mobile homes. This question is used to exclude owner-occupied one-family houses with business or medical offices on the property from certain statistics on financial characteristics.

A business must be easily recognizable from the outside. It usually will have a separate outside entrance and have the appearance of a business, such as a grocery store, restaurant, or barber shop. It may be either attached to the house or mobile home or be located elsewhere on the property. Those housing units in which a room is used for business or professional purposes and have no recognizable alterations to the outside are not considered as having a business. Medical offices are considered businesses for tabulation purposes.

Comparability--Data on business on property have been collected since 1940.

## CONDOMINIUM FEE

The data on condominium fee were obtained from questionnaire item H25, which was asked at owner-occupied condominiums. This item was asked on a sample basis. A condominium fee normally is charged monthly to the owners of the individual condominium units by the condominium owners association to cover operating, maintenance, administrative, and improvement costs of the common property (grounds, halls, lobby, parking areas, laundry rooms, swimming pool, etc.) The costs for utilities and/or fuels may be included in the condominium fee if the units do not have separate meters.

Data on condominium fees may include real estate tax and/or insurance payments for the common property, but do not include real estate taxes or fire, hazard, and flood insurance for the individual unit already reported in questions H21 and H22.

Amounts reported were the regular monthly payment, even if paid by someone outside the household or remain unpaid. Costs were estimated as closely as possible when exact costs were not known.

The data from this item were added to payments for mortgages (both first and junior mortgages and home equity loans); real estate taxes; fire, hazard, and flood insurance payments; and utilities and fuels to derive "Selected Monthly Owner Costs" and "Selected Monthly Owner Costs as a Percentage of Household Income in 1989" for condominium owners.

Comparability--This is a new item in 1990.

## CONDOMINIUM STATUS

The data on condominium housing units were obtained from questionnaire item H18, which was asked on a sample basis at both occupied and vacant housing units. Condominium is a type of ownership that enables a person to own an apartment or house in a development of similarly owned units and to hold a common or joint ownership in some or all of the common areas and facilities such as land, roof, hallways,

entrances, elevators, swimming pool, etc. Condominiums may be single-family houses as well as units in apartment buildings. A condominium unit need not be occupied by the owner to be counted as such. A unit classified as "mobile home or trailer" or "other" (see discussion under "Units in Structure") cannot be a condominium unit.

Limitation of the Data--Testing done prior to the 1980 and 1990 censuses indicated that the number of condominiums may be slightly overstated.

Comparability--In 1970, condominiums were grouped together with cooperative housing units, and the data were reported only for owner-occupied cooperatives and condominiums. Beginning in 1980, the census identified all condominium units and the data were shown for renter-occupied and vacant year-round condominiums as well as owner occupied. In 1970 and 1980, the question on condominiums was asked on a 100-percent basis. In 1990, it was asked on a sample basis.

#### CONTRACT RENT

The data on contract rent (also referred to as "rent asked" for vacant units) were obtained from questionnaire item H7a, which was asked at all occupied housing units that were rented for cash rent and all vacant housing units that were for rent at the time of enumeration.

Housing units that are renter occupied without payment of cash rent are shown separately as "No cash rent" in census data products. The unit may be owned by friends or relatives who live elsewhere and who allow occupancy without charge. Rent-free houses or apartments may be provided to compensate caretakers, ministers, tenant farmers, sharecroppers, or others.

Contract rent is the monthly rent agreed to or contracted for, regardless of any furnishings, utilities, fees, meals, or services that may be included. For vacant units, it is the monthly rent asked for the rental unit at the time of enumeration.

If the contract rent includes rent for a business unit or for living quarters occupied by another household, the respondent was instructed to report that part of the rent estimated to be for his or her unit only. Respondents were asked to report rent only for the housing unit enumerated and to exclude any rent paid for additional units or for business premises.

If a renter pays rent to the owner of a condominium or cooperative, and the condominium fee or cooperative carrying charge is also paid by the renter to the owner, the respondent was instructed to include the fee or carrying charge.

If a renter receives payments from lodgers or roomers who are listed as members of the household, the respondent was instructed to report the rent without deduction for any payments received from the lodgers or roomers. The respondent was instructed to report the rent agreed to or contracted for even if paid by someone else such as friends or relatives living elsewhere, or a church or welfare agency.

In some tabulations, contract rent is presented for all renter-occupied housing units, as well as specified renter-occupied and vacant-for-rent units. Specified renter-occupied and specified vacant-for-rent units exclude one-family houses on 10 or more acres. (For more information on rent, see the discussion under "Gross Rent.")

Median and Quartile Contract Rent--The median divides the rent distribution into two equal parts.

Quartiles divide the rent distribution into four equal parts. In computing median and quartile contract rent, units reported as "No cash rent" are excluded. Median and quartile rent calculations are rounded to the nearest whole dollar. (For more information on medians and quartiles, see the discussion under "Derived Measures.")

Aggregate Contract Rent--To calculate aggregate contract rent, the amount assigned for the category "Less than \$80" is \$50. The amount assigned to the category "\$1,000 or more" is \$1,250. Mean contract rent is rounded to the nearest whole dollar. (For more information on aggregates and means, see the discussion under "Derived Measures.")

Limitation of the Data--In the 1970 and 1980 censuses, contract rent for vacant units had high allocation rates, about 35 percent.

Comparability--Data on this item have been collected since 1930. For 1990, quartiles were added because the range of rents and values in the United States has increased in recent years. Upper and lower quartiles can be used to note large rent and value differences among various geographic areas.

#### DURATION OF VACANCY

The data for duration of vacancy (also referred to as "months vacant") were obtained from questionnaire item D, which was completed by census enumerators. The statistics on duration of vacancy refer to the length of time (in months and years) between the date the last occupants moved from the unit and the time of enumeration. The data, therefore, do not provide a direct measure of the total length of time units remain vacant.

For newly constructed units which have never been occupied, the duration of vacancy is counted from the date construction was completed. For recently converted or merged units, the time is reported from the date conversion or merger was completed. Units occupied by an entire household with a usual home elsewhere are assigned to the "Less than 1 month" interval.

Comparability--Similar data have been collected since 1960. In 1970 and 1980, these data were shown only for year-round vacant housing units. In 1990, these data are shown for all vacant housing units.

#### FARM RESIDENCE

The data on farm residence were obtained from questionnaire items H19a and H19b. An occupied one-family house or mobile home is classified as a farm residence if: (1) the housing unit is located on a property of 1 acre or more, and (2) at least \$1,000 worth of agricultural products were sold from the property in 1989. Group

quarters and housing units that are in multi-unit buildings or vacant are not included as farm residences.

A one-family unit occupied by a tenant household paying cash rent for land and buildings is enumerated as a farm residence only if sales of agricultural products from its yard (as opposed to the general property on which it is located) amounted to at least \$1,000 in 1989. A one-family unit occupied by a tenant household that does not pay cash rent is enumerated as a farm residence if the remainder of the farm (including its yard) qualifies as a farm.

Farm residence is provided as an independent data item only for housing units located in rural areas. It may be derived for housing units in urban areas from the data items on acreage and sales of agricultural products on the public-use microdata sample (PUMS) files. (For more information on PUMS, see Appendix F, Data Products and User Assistance.)

The farm population consists of persons in households living in farm residences. Some persons who are counted on a property classified as a farm (including in some cases farm workers) are excluded from the farm population. Such persons include those who reside in multi-unit buildings or group quarters.

Comparability--These are the same criteria that were used to define a farm residence in 1980. In 1960 and 1970, a farm was defined as a place of 10 or more acres with at least \$50 worth of agricultural sales or a place of less than 10 acres with at least \$250 worth of agricultural sales. Earlier censuses used other definitions. Note that the definition of a farm residence differs from the definition of a farm in the Census of Agriculture (Factfinder for the Nation: Agricultural Statistics, Bureau of the Census, 1989).

#### GROSS RENT

Gross rent is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water) and fuels (oil, coal, kerosene, wood, etc.) if these are paid for by the renter (or paid for the renter by someone else). Gross rent is intended to eliminate differentials which result from varying practices with respect to the inclusion of utilities and fuels as part of the rental payment. The estimated costs of utilities and fuels are reported on a yearly basis but are converted to monthly figures for the tabulations. Renter units occupied without payment of cash rent are shown separately as "No cash rent" in the tabulations. Gross rent is calculated on a sample basis.

Comparability--Data on gross rent have been collected since 1940 for renter-occupied housing units. In 1980, costs for electricity and gas were collected as average monthly costs. In 1990, all utility and fuel costs were collected as yearly costs and divided by 12 to provide an average monthly cost.

#### GROSS RENT AS A PERCENTAGE OF HOUSEHOLD INCOME IN 1989

Gross rent as a percentage of household income in 1989 is a computed ratio of monthly gross rent to monthly household income (total

household income in 1989 divided by 12). The ratio was computed separately for each unit and was rounded to the nearest whole percentage. Units for which no cash rent is paid and units occupied by households that reported no income or a net loss in 1989 comprise the category "Not computed." This item is calculated on a sample basis.

#### HOUSE HEATING FUEL

The data on house heating fuel were obtained from questionnaire item H14, which was asked at occupied housing units. This item was asked on a sample basis. The data show the type of fuel used most to heat the house or apartment.

Utility Gas--Includes gas piped through underground pipes from a central system to serve the neighborhood.

Bottled, Tank, or LP Gas--Includes liquid propane gas stored in bottles or tanks which are refilled or exchanged when empty.

Fuel Oil, Kerosene, Etc.--Includes fuel oil, kerosene, gasoline, alcohol, and other combustible liquids.

Wood--Includes purchased wood, wood cut by household members on their property or elsewhere, driftwood, sawmill or construction scraps, or the like.

Solar Energy--Includes heat provided by sunlight which is collected, stored, and actively distributed to most of the rooms.

Other Fuel--Includes all other fuels not specified elsewhere.

No Fuel Used--Includes units that do not use any fuel or that do not have heating equipment.

Comparability--Data on house heating fuel have been collected since 1940. The category, "Solar energy" is new for 1990.

#### INSURANCE FOR FIRE, HAZARD, AND FLOOD

The data on fire, hazard, and flood insurance were obtained from questionnaire item H22, which was asked at a sample of owner-occupied one-family houses, condominiums, and mobile homes. The statistics for this item refer to the annual premium for fire, hazard, and flood insurance on the property (land and buildings); that is, policies that protect the property and its contents against loss due to damage by fire, lightning, winds, hail, flood, explosion, and so on.

Liability policies are included only if they are paid with the fire, hazard, and flood insurance premiums and the amounts for fire, hazard, and flood cannot be separated. Premiums are included even if paid by someone outside the household or remain unpaid. When premiums are paid on other than a yearly basis, the premiums are converted to a yearly basis.

The payment for fire, hazard, and flood insurance is added to payments for real estate taxes, utilities, fuels, and mortgages (both first and

junior mortgages and home equity loans) to derive "Selected Monthly Owner Costs" and "Selected Monthly Owner Costs as a Percentage of Household Income in 1989."

A separate question (H23d) determines whether insurance premiums are included in the mortgage payment to the lender(s). This makes it possible to avoid counting these premiums twice in the computations.

Comparability--Data on payment for fire and hazard insurance were collected for the first time in 1980. Flood insurance was not specifically mentioned in the wording of the question in 1980. The question was asked only at owner-occupied one-family houses. Excluded were mobile homes, condominiums, houses with a business or medical office on the property, houses on 10 or more acres, and housing units in multi-unit buildings. In 1990, the question was asked of all one-family owner-occupied houses, including houses on 10 or more acres. It also was asked at mobile homes, condominiums, and one-family houses with a business or medical office on the property.

#### KITCHEN FACILITIES

Data on kitchen facilities were obtained from questionnaire item H11, which was asked at both occupied and vacant housing units. A unit has complete kitchen facilities when it has all of the following: (1) an installed sink with piped water, (2) a range, cook top and convection or microwave oven, or cookstove, and (3) a refrigerator. All kitchen facilities must be located in the structure. They need not be in the same room. Portable cooking equipment is not considered a range or cookstove. An ice box is not considered to be a refrigerator.

Comparability--Data on complete kitchen facilities were collected for the first time in 1970. Earlier censuses collected data on individual components, such as kitchen sink and type of refrigeration equipment. In 1970 and 1980, data for kitchen facilities were shown only for year-round units. In 1990, data are shown for all housing units.

#### MEALS INCLUDED IN RENT

The data on meals included in the rent were obtained from questionnaire item H7b, which was asked of all occupied housing units that were rented for cash and all vacant housing units that were for rent at the time of enumeration.

The statistics on meals included in rent are presented for specified renter-occupied and specified vacant-for-rent units. Specified renter-occupied and specified vacant-for-rent units exclude one-family houses on 10 or more acres. (For more information, see the discussion under "Contract Rent.")

Comparability--This is a new item in 1990. It is intended to measure "congregate" housing, which generally is considered to be housing units where the rent includes meals and other services, such as transportation to shopping and recreation.



## MOBILE HOME COSTS

The data on mobile home costs were obtained from questionnaire item H26, which was asked at owner-occupied mobile homes. This item was asked on a sample basis.

These data include the total yearly costs for personal property taxes, land or site rent, registration fees, and license fees on all owner-occupied mobile homes. The instructions are to not include real estate taxes already reported in question H21.

Costs are estimated as closely as possible when exact costs are not known. Amounts are the total for an entire 12-month billing period, even if they are paid by someone outside the household or remain unpaid.

The data from this item are added to payments for mortgages, real estate taxes, fire, hazard, and flood insurance payments, utilities, and fuels to derive selected monthly owner costs for mobile homes owners.

Comparability--This item is new for 1990.

## MORTGAGE PAYMENT

The data on mortgage payment were obtained from questionnaire item H23b, which was asked at owner occupied one-family houses, condominiums, and mobile homes. This item was asked on a sample basis. Question H23b provides the regular monthly amount required to be paid the lender for the first mortgage (deed of trust, contract to purchase, or similar debt) on the property. Amounts are included even if the payments are delinquent or paid by someone else. The amounts reported are included in the computation of "Selected Monthly Owner Costs" and "Selected Monthly Owner Costs as a Percentage of Household Income in 1989" for units with a mortgage.

The amounts reported include everything paid to the lender including principal and interest payments, real estate taxes, fire, hazard, and flood insurance payments, and mortgage insurance premiums. Separate questions determine whether real estate taxes and fire, hazard, and flood insurance payments are included in the mortgage payment to the lender. This makes it possible to avoid counting these components twice in the computation of "Selected Monthly Owner Costs."

Comparability--Information on mortgage payment was collected for the first time in 1980. It was collected only at owner-occupied one-family houses. Excluded were mobile homes, condominiums, houses with a business or medical office on the property, one-family houses on 10 or more acres, and housing units in multi-unit buildings. In 1990, the questions on monthly mortgage payments were asked of all owner-occupied one-family houses, including one-family houses on 10 or more acres. They were also asked at mobile homes, condominiums, and one-family houses with a business or medical office.

The 1980 census obtained total regular monthly mortgage payments, including payments on second or junior mortgages, from a single question. Two questions were used in 1990; one for regular monthly

payments on first mortgages, and one for regular monthly payments on second or junior mortgages or home equity loans. (For more information, see the discussion under "Second or Junior Mortgage Payment.")

#### MORTGAGE STATUS

The data on mortgage status were obtained from questionnaire items H23a and H24a, which were asked at owner-occupied one-family houses, condominiums, and mobile homes. "Mortgage" refers to all forms of debt where the property is pledged as security for repayment of the debt. It includes such debt instruments as deeds of trust, trust deeds, contracts to purchase, land contracts, junior mortgages and home equity loans.

A mortgage is considered a first mortgage if it has prior claim over any other mortgage or if it is the only mortgage on the property. All other mortgages, (second, third, etc.) are considered junior mortgages. A home equity loan is generally a junior mortgage. If no first mortgage is reported, but a junior mortgage or home equity loan is reported, then the loan is considered a first mortgage.

In most census data products, the tabulations for "Selected Monthly Owner Costs" and "Selected Monthly Owner Costs as a Percentage of Household Income in 1989" usually are shown separately for units "with a mortgage" and for units "not mortgaged." The category "not mortgaged" is comprised of housing units owned free and clear of debt.

Comparability--A question on mortgage status was included in the 1940 and 1950 censuses, but not in the 1960 and 1970 censuses. The item was reinstated in 1980 along with a separate question dealing with the existence of second or junior mortgages. In 1980, the mortgage status questions were asked at owner-occupied one-family houses on less than 10 acres. Excluded were mobile homes, condominiums, houses with a business or medical office, houses on 10 or more acres, and housing units in multi-unit buildings. In 1990, the questions were asked of all one-family owner-occupied housing units, including houses on 10 or more acres. They were also asked at mobile homes, condominiums, and houses with a business or medical office.

#### PERSONS IN UNIT

This item is based on the 100-percent count of persons in occupied housing units. All persons occupying the housing unit are counted, including the householder, occupants related to the householder, and lodgers, roomers, boarders, and so forth.

The data on "persons in unit" show the number of housing units occupied by the specified number of persons. The phrase "persons in unit" is used for housing tabulations, "persons in households" for population items. Figures for "persons in unit" match those for "persons in household" for 100-percent data products. In sample products, they may differ because of the weighting process.

Median Persons in Unit--In computing median persons in unit, a whole number is used as the midpoint of an interval; thus, a unit with 4 persons is treated as an interval ranging from 3.5 to 4.5 persons. Median persons is

rounded to the nearest hundredth. (For more information on medians, see the discussion under "Derived Measures.")

Persons in Occupied Housing Units--This is the total population minus those persons living in group quarters. "Persons per occupied housing unit" is computed by dividing the population living in housing units by the number of occupied housing units.

#### PERSONS PER ROOM

"Persons per room" is obtained by dividing the number of persons in each occupied housing unit by the number of rooms in the unit. Persons per room is rounded to the nearest hundredth. The figures shown refer, therefore, to the number of occupied housing units having the specified ratio of persons per room.

Mean Persons Per Room--This is computed by dividing persons in housing units by the aggregate number of rooms. This is intended to provide a measure of utilization. A higher mean may indicate a greater degree of utilization or crowding; a low mean may indicate under-utilization. (For more information on means, see the discussion under "Derived Measures.")

#### PLUMBING FACILITIES

The data on plumbing facilities were obtained from questionnaire item H10, which was asked at both occupied and vacant housing units. This item was asked on a sample basis. Complete plumbing facilities include hot and cold piped water, a flush toilet, and a bathtub or shower. All three facilities must be located inside the house, apartment, or mobile home, but not necessarily in the same room. Housing units are classified as lacking complete plumbing facilities when any of the three facilities are not present.

Comparability--The 1990 data on complete plumbing facilities are not strictly comparable with the 1980 data. In 1980, complete plumbing facilities were defined as hot and cold piped water, a bathtub or shower, and a flush toilet in the housing unit for the exclusive use of the residents of that unit. In 1990, the Census Bureau dropped the requirement of exclusive use from the definition of complete plumbing facilities. Of the 2.3 million year-round housing units classified in 1980 as lacking complete plumbing for exclusive use, approximately 25 percent of these units had complete plumbing but the facilities were also used by members of another household. From 1940 to 1970, separate and more detailed questions were asked on piped water, bathing, and toilet facilities. In 1970 and 1980, the data on plumbing facilities were shown only for year-round units.

#### POVERTY STATUS OF HOUSEHOLDS IN 1989

The data on poverty status of households were derived from answers to the income questions. The income items were asked on a sample basis. Households are classified below the poverty level when the total 1989 income of the family or of the nonfamily householder is below the appropriate poverty threshold. The income of persons living in the household who are unrelated to the householder is not considered when determining the poverty status of a household, nor does their presence affect the household size in determining the appropriate poverty

threshold. The poverty thresholds vary depending upon three criteria: size of family, number of children, and age of the family householder or unrelated individual for one and two-persons households. (For more information, see the discussion of "Poverty Status in 1989" and "Income in 1989" under Population Characteristics.)

#### REAL ESTATE TAXES

The data on real estate taxes were obtained from questionnaire item H21, which was asked at owner-occupied one-family houses, condominiums, and mobile homes. The statistics from this question refer to the total amount of all real estate taxes on the entire property (land and buildings) payable in 1989 to all taxing jurisdictions, including special assessments, school taxes, county taxes, and so forth.

Real estate taxes include State, local, and all other real estate taxes even if delinquent, unpaid, or paid by someone who is not a member of the household. However, taxes due from prior years are not included. If taxes are paid on other than a yearly basis, the payments are converted to a yearly basis.

The payment for real estate taxes is added to payments for fire, hazard, and flood insurance; utilities and fuels; and mortgages (both first and junior mortgages and home equity loans) to derive "Selected Monthly Owner Costs" and "Selected Monthly Owner Costs as a Percentage of Household Income in 1989." A separate question (H23c) determines whether real estate taxes are included in the mortgage payment to the lender(s). This makes it possible to avoid counting taxes twice in the computations.

Comparability--Data for real estate taxes were collected for the first time in 1980. The question was asked only at owner-occupied one-family houses. Excluded were mobile homes or trailers, condominiums, houses with a business or medical office on the property, houses on 10 or more acres, and housing units in multi-unit buildings. In 1990, the question was asked of all one-family owner-occupied houses, including houses on 10 or more acres. It also was asked at mobile homes, condominiums, and one-family houses with a business or medical office on the property.

#### ROOMS

The data on rooms were obtained from questionnaire item H3, which was asked at both occupied and vacant housing units. The statistics on rooms are in terms of the number of housing units with a specified number of rooms. The intent of this question is to count the number of whole rooms used for living purposes.

For each unit, rooms include living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, enclosed porches suitable for year-round use, and lodger's rooms. Excluded are strip or pullman kitchens, bathrooms, open porches, balconies, halls or foyers, half-rooms, utility rooms, unfinished attics or basements, or other unfinished space used for storage. A partially divided room is a separate room only if there is a partition from floor to ceiling, but not if the partition consists solely of shelves or cabinets.

Median Rooms--This measure divides the room distribution into two equal parts, one-half of the cases falling below the median number of rooms and one-half above the median. In computing median rooms, the whole number is used as the midpoint of the interval; thus, the category "3 rooms" is treated as an interval ranging from 2.5 to 3.5 rooms. Median rooms is rounded to the nearest tenth. (For more information on medians, see the discussion under "Derived Measures.")

Aggregate Rooms--To calculate aggregate rooms, an arbitrary value of "10" is assigned to rooms for units falling within the terminal category, "9 or more." (For more information on aggregates and means, see the discussion under "Derived Measures.")

Comparability--Data on rooms have been collected since 1940. In 1970 and 1980, these data were shown only for year-round housing units. In 1990, these data are shown for all housing units.

#### SECOND OR JUNIOR MORTGAGE PAYMENT

The data on second or junior mortgage payments were obtained from questionnaire items H24a and H24b, which were asked at owner-occupied one-family houses, condominiums, and mobile homes. Question H24a asks whether a second or junior mortgage or a home equity loan exists on the property. Question H24b provides the regular monthly amount required to be paid to the lender on all second or junior mortgages and home equity loans. Amounts are included even if the payments are delinquent or paid by someone else. The amounts reported are included in the computation of "Selected Monthly Owner Costs" and "Selected Monthly Owner Costs as a Percentage of Household Income in 1989" for units with a mortgage.

All mortgages other than first mortgages are classified as "junior" mortgages. A second mortgage is a junior mortgage that gives the lender a claim against the property that is second to the claim of the holder of the first mortgage. Any other junior mortgage(s) would be subordinate to the second mortgage. A home equity loan is a line of credit available to the borrower that is secured by real estate. It may be placed on a property that already has a first or second mortgage, or it may be placed on a property that is owned free and clear.

If the respondents answered that no first mortgage existed, but a second mortgage did (as in the above case with a home equity loan), a computer edit assigned the unit a first mortgage and made the first mortgage monthly payment the amount reported in the second mortgage. The second mortgage data were then made "No" in question H24a and blank in question H24b.

Comparability--The 1980 census obtained total regular monthly mortgage payments, including payments on second or junior mortgages, from one single question. Two questions were used in 1990: one for regular monthly payments on first mortgages, and one for regular monthly payments on second or junior mortgages and home equity loans.

## SELECTED MONTHLY OWNER COSTS

The data on selected monthly owner costs were obtained from questionnaire items H20 through H26 for a sample of owner-occupied one-family houses, condominiums, and mobile homes. Selected monthly owner costs is the sum of payments for mortgages, deeds of trust, contracts to purchase, or similar debts on the property (including payments for the first mortgage, second or junior mortgages, and home equity loans); real estate taxes; fire, hazard, and flood insurance on the property; utilities (electricity, gas, and water); and fuels (oil, coal, kerosene, wood, etc.). It also includes, where appropriate, the monthly condominium fee for condominiums and mobile home costs (personal property taxes, site rent, registration fees, and license fees) for mobile homes.

In certain tabulations, selected monthly owner costs are presented separately for specified owner-occupied housing units (owner-occupied one-family houses on fewer than 10 acres without a business or medical office on the property), owner-occupied condominiums, and owner-occupied mobile homes. Data usually are shown separately for units "with a mortgage" and for units "not mortgaged."

Median Selected Monthly Owner Costs--This measure is rounded to the nearest whole dollar.

Comparability--The components of selected monthly owner costs were collected for the first time in 1980. The 1990 tabulations of selected monthly owner costs for specified owner-occupied housing units are virtually identical to 1980, the primary difference was the amounts of the first and second mortgages were collected in separate questions in 1990, while the amounts were collected in a single question in 1980. The component parts of the item were tabulated for mobile homes and condominiums for the first time in 1990.

In 1980, costs for electricity and gas were collected as average monthly costs. In 1990, all utility and fuel costs were collected as yearly costs and divided by 12 to provide an average monthly cost.

## SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD INCOME IN 1989

The information on selected monthly owner costs as a percentage of household income in 1989 is the computed ratio of selected monthly owner costs to monthly household income in 1989. The ratio was computed separately for each unit and rounded to the nearest whole percentage. The data are tabulated separately for specified owner-occupied units, condominiums, and mobile homes.

Separate distributions are often shown for units "with a mortgage" and for units "not mortgaged." Units occupied by households reporting no income or a net loss in 1989 are included in the "not computed" category. (For more information, see the discussion under "Selected Monthly Owner Costs.")

Comparability--The components of selected monthly owner costs were collected for the first time in 1980. The tabulations of "Selected Monthly Owner Costs as a Percentage of Household Income in 1989" for specified owner-occupied housing units are comparable to 1980.

## SEWAGE DISPOSAL

The data on sewage disposal were obtained from questionnaire item H16, which was asked at both occupied and vacant housing units. This item was asked on a sample basis. Housing units are either connected to a public sewer, to a septic tank or cesspool, or they dispose of sewage by other means. A public sewer may be operated by a government body or by a private organization. A housing unit is considered to be connected to a septic tank or cesspool when the unit is provided with an underground pit or tank for sewage disposal. The category, "Other means" includes housing units which dispose of sewage in some other way.

Comparability--Data on sewage disposal have been collected since 1940. In 1970 and 1980, data were shown only for year-round housing units. In 1990, data are shown for all housing units.

## SOURCE OF WATER

The data on source of water were obtained from questionnaire item H15, which was asked at both occupied and vacant housing units. Housing units may receive their water supply from a number of sources. A common source supplying water to five or more units is classified as a "Public system or private company." The water may be supplied by a city, county, water district, water company, etc., or it may be obtained from a well which supplies water to five or more housing units. If the water is supplied from a well serving four or fewer housing units, the units are classified as having water supplied by either an "Individual drilled well" or an "Individual dug well." Drilled wells or small diameter wells are usually less than 1-1/2 feet in diameter. Dug wells are usually larger than 1-1/2 feet wide and generally hand dug. The category, "Some other source" includes water obtained from springs, creeks, rivers, lakes, cisterns, etc.

Comparability--Data on source of water have been collected since 1940. In 1970 and 1980, data were shown only for year-round housing units. In 1990, data are shown for all housing units.

## TELEPHONE IN HOUSING UNIT

The data on telephones were obtained from questionnaire item H12, which was asked at occupied housing units. This item was asked on a sample basis. A telephone must be inside the house or apartment for the unit to be classified as having a telephone. Units where the respondent uses a telephone located inside the building but not in the respondent's living quarters are classified as having no telephone.

Comparability--Data on telephones in 1980 are comparable to 1990. The 1960 and 1970 censuses collected data on telephone availability. A unit was classified as having a telephone available if there was a telephone number on which occupants of the unit could be reached. The telephone could have been in another unit, in a common hall, or outside the building.

## TENURE

The data for tenure were obtained from questionnaire item H4, which was asked at all occupied housing units. All occupied housing units are classified as either owner occupied or renter occupied.

Owner Occupied--A housing unit is owner occupied if the owner or co-owner lives in the unit even if it is mortgaged or not fully paid for. The owner or co-owner must live in the unit and usually is the person listed in column 1 of the questionnaire. The unit is "Owned by you or someone in this household with a mortgage or loan" if it is being purchased with a mortgage or some other debt arrangement such as a deed of trust, trust deed, contract to purchase, land contract, or purchase agreement. The unit is also considered owned with a mortgage if it is built on leased land and there is a mortgage on the unit.

A housing unit is "Owned by you or someone in this household free and clear (without a mortgage)" if there is no mortgage or other similar debt on the house, apartment, or mobile home including units built on leased land if the unit is owned outright without a mortgage. Although owner-occupied units are divided between mortgaged and owned free and clear on the questionnaire, census data products containing 100-percent data show only total owner-occupied counts. More extensive mortgage information was collected on the long-form questionnaire and are shown in census products containing sample data. (For more information, see the discussion under "Mortgage Status.")

Renter Occupied--All occupied housing units which are not owner occupied, whether they are rented for cash rent or occupied without payment of cash rent, are classified as renter occupied. "No cash rent" units are separately identified in the rent tabulations. Such units are generally provided free by friends or relatives or in exchange for services such as resident manager, caretaker, minister, or tenant farmer. Housing units on military bases also are classified in the "No cash rent" category. "Rented for cash rent" includes units in continuing care, sometimes called life care arrangements. These arrangements usually involve a contract between one or more individuals and a health services provider guaranteeing the individual shelter, usually a house or apartment, and services, such as meals or transportation to shopping or recreation.

Comparability--Data on tenure have been collected since 1890. In 1970, the question on tenure also included a category for condominium and cooperative ownership. In 1980, condominium units and cooperatives were dropped from the tenure item, and since 1980, only condominium units are identified in a separate question.

For 1990, the response categories were expanded to allow the respondent to report whether the unit was owned with a mortgage or free and clear (without a mortgage). The distinction between units owned with a mortgage and units owned free and clear was added in 1990 to improve the count of owner-occupied units. Research after the 1980 census indicated some respondents did not consider their units owned if they had a mortgage.



## UNITS IN STRUCTURE

The data on units in structure (also referred to as "type of structure") were obtained from questionnaire item H2, which was asked at all housing units. A structure is a separate building that either has open spaces on all sides or is separated from other structures by dividing walls that extend from ground to roof. In determining the number of units in a structure, all housing units, both occupied and vacant, are counted. Stores and office space are excluded.

The statistics are presented for the number of housing units in structures of specified type and size, not for the number of residential buildings.

1-Unit, Detached--This is a 1-unit structure detached from any other house; that is, with open space on all four sides. Such structures are considered detached even if they have an adjoining shed or garage. A one-family house that contains a business is considered detached as long as the building has open space on all four sides. Mobile homes or trailers to which one or more permanent rooms have been added or built also are included.

1-Unit, Attached--This is a 1-unit structure that has one or more walls extending from ground to roof separating it from adjoining structures. In row houses (sometimes called townhouses), double houses, or houses attached to nonresidential structures, each house is a separate, attached structure if the dividing or common wall goes from ground to roof.

2 or More Units--These are units in structures containing 2 or more housing units, further categorized as units in structures with 2, 3 or 4, 5 to 9, 10 to 19, 20 to 49, and 50 or more units.

Mobile Home or Trailer--Both occupied and vacant mobile homes to which no permanent rooms have been added are counted in this category. Mobile homes or trailers used only for business purposes or for extra sleeping space and mobile homes or trailers for sale on a dealer's lot, at the factory, or in storage are not counted in the housing inventory.

Other--This category is for any living quarters occupied as a housing unit that does not fit the previous categories. Examples that fit this category are houseboats, railroad cars, campers, and vans.

Comparability--Data on units in structure have been collected since 1940 and on mobile homes and trailers since 1950. In 1970 and 1980, these data were shown only for year-round housing units. In 1990, these data are shown for all housing units. In 1980, the data were collected on a sample basis. The category, "Boat, tent, van, etc." was replaced in 1990 by the category "Other." In some areas, the proportion of units classified as "Other" is far larger than the number of units that were classified as "Boat, tent, van, etc." in 1980.

## USUAL HOME ELSEWHERE

The data for usual home elsewhere are obtained from questionnaire item B, which was completed by census employees. A housing unit temporarily occupied at the time of enumeration entirely by persons with a usual residence elsewhere is classified as vacant. The occupants are classified as having a "Usual home elsewhere" and are counted

at the address of their usual place of residence. Typical examples are people in a vacation home, persons renting living quarters temporarily for work, and migrant workers.

Limitation of the Data--Evidence from previous censuses suggests that in some areas enumerators marked units as "vacant--usual home elsewhere" when they should have marked "vacant--regular."

Comparability--Data for usual home elsewhere was tabulated for the first time in 1980.

#### UTILITIES

The data on utility costs were obtained from questionnaire items H20a through H20d, which were asked of occupied housing units. These items were asked on a sample basis.

Questions H20a through H20d asked for the yearly cost of utilities (electricity, gas, water) and other fuels (oil, coal, wood, kerosene, etc.). For the tabulations, these yearly amounts are divided by 12 to derive the average monthly cost and are then included in the computation of "Gross Rent," "Gross Rent as a Percentage of Household Income in 1989," "Selected Monthly Owner Costs," and "Selected Monthly Owner Costs as a Percentage of Household Income in 1989."

Costs are recorded if paid by or billed to occupants, a welfare agency, relatives, or friends. Costs that are paid by landlords, included in the rent payment, or included in condominium or cooperative fees are excluded.

Limitation of the Data--Research has shown that respondents tended to overstate their expenses for electricity and gas when compared to utility company records. There is some evidence that this overstatement is reduced when yearly costs are asked rather than monthly costs. Caution should be exercised in using these data for direct analysis because costs are not reported for certain kinds of units such as renter-occupied units with all utilities included in the rent and owner-occupied condominium units with utilities included in the condominium fee.

Comparability--The data on utility costs have been collected since 1980 for owner-occupied housing units, and since 1940 for renter-occupied housing units. In 1980, costs for electricity and gas were collected as average monthly costs. In 1990, all utility and fuel costs were collected as yearly costs and divided by 12 to provide an average monthly cost.

#### VACANCY STATUS

The data on vacancy status were obtained from questionnaire item C1, which was completed by census enumerators. Vacancy status and other characteristics of vacant units were determined by enumerators obtaining information from landlords, owners, neighbors, rental agents, and others. Vacant units are subdivided according to their housing market classification as follows:

For Rent--These are vacant units offered "for rent," and vacant units offered either "for rent" or "for sale."

For Sale Only--These are vacant units being offered "for sale only," including units in cooperatives and condominium projects if the individual units are offered "for sale only."

Rented or Sold, Not Occupied--If any money rent has been paid or agreed upon but the new renter has not moved in as of the date of enumeration, or if the unit has recently been sold but the new owner has not yet moved in, the vacant unit is classified as "rented or sold, not occupied."

For Seasonal, Recreational, or Occasional Use--These are vacant units used or intended for use only in certain seasons or for weekend or other occasional use throughout the year.

Seasonal units include those used for summer or winter sports or recreation, such as beach cottages and hunting cabins. Seasonal units also may include quarters for such workers as herders and loggers. Interval ownership units, sometimes called shared-ownership or time-sharing condominiums, also are included here.

For Migrant Workers--These include vacant units intended for occupancy by migratory workers employed in farm work during the crop season. (Work in a cannery, a freezer plant, or a food-processing plant is not farm work.)

Other Vacant--If a vacant unit does not fall into any of the classifications specified above, it is classified as "other vacant." For example, this category includes units held for occupancy by a caretaker or janitor, and units held for personal reasons of the owner.

Homeowner Vacancy Rate--This is the percentage relationship between the number of vacant units for sale and the total homeowner inventory. It is computed by dividing the number of vacant units for sale only by the sum of the owner-occupied units and the number of vacant units that are for sale only.

Rental Vacancy Rate--This is the percentage relationship of the number of vacant units for rent to the total rental inventory. It is computed by dividing the number of vacant units for rent by the sum of the renter-occupied units and the number of vacant units for rent.

Comparability--Data on vacancy status have been collected since 1940. For 1990, the category, "seasonal/recreational/occasional use" combined vacant units classified in 1980 as "seasonal or migratory" and "held for occasional use." Also, in 1970 and 1980, housing characteristics generally were presented only for year-round units. In 1990, housing characteristics are shown for all housing units.

#### VALUE

The data on value (also referred to as "price asked" for vacant units) were obtained from questionnaire item H6, which was asked at housing units that were owned, being bought, or vacant for sale at the time of enumeration. Value is the respondent's estimate of how much the property (house and lot, mobile home and lot, or condominium unit) would sell for if it were for sale. If the house or mobile home was owned or being bought, but the land

on which it sits was not, the respondent was asked to estimate the combined value of the house or mobile home and the land. For vacant units, value was the price asked for the property.

Value was tabulated separately for all owner-occupied and vacant-for-sale housing units, owner-occupied and vacant-for-sale mobile homes or trailers, and specified owner-occupied and specified vacant-for-sale housing units. Specified owner-occupied and specified vacant-for-sale housing units include only one-family houses on fewer than 10 acres without a business or medical office on the property. The data for "specified units" exclude mobile homes, houses with a business or medical office, houses on 10 or more acres, and housing units in multi-unit buildings.

Median and Quartile Value--The median divides the value distribution into two equal parts. Quartiles divide the value distribution into four equal parts. These measures are rounded to the nearest hundred dollars. (For more information on medians and quartiles, see the discussion under "Derived Measures.")

Aggregate Value--To calculate aggregate value, the amount assigned for the category "Less than \$10,000" is \$9,000. The amount assigned to the category "\$500,000 or more" is \$600,000. Mean value is rounded to the nearest hundred dollars. (For more information on aggregates and means, see the discussion under "Derived Measures.")

Comparability--In 1980, value was asked only at owner-occupied or vacant-for-sale one-family houses on fewer than 10 acres with no business or medical office on the property and at all owner-occupied or vacant-for-sale condominium housing units. Mobile homes were excluded. Value data were presented for specified owner-occupied housing units, specified vacant-for-sale-only housing units, and owner-occupied condominium housing units.

In 1990, the question was asked at all owner-occupied or vacant-for-sale-only housing units with no exclusions. Data presented for specified owner-occupied and specified vacant-for-sale-only housing units will include one-family condominium houses but not condominiums in multi-unit structures since condominium units are now identified only in long-form questionnaires.

For 1990, quartiles have been added because the range of values and rents in the United States has increased in recent years. Upper and lower quartiles can be used to note large value and rent differences among various geographic areas.

#### VEHICLES AVAILABLE

The data on vehicles available were obtained from questionnaire item H13, which was asked at occupied housing units. This item was asked on a sample basis. These data show the number of households with a specified number of passenger cars, vans, and pickup or panel trucks of one-ton capacity or less kept at home and available for the use of household members. Vehicles rented or leased for one month or more, company vehicles, and police and government vehicles are included if kept at home and used for nonbusiness purposes. Dismantled or immobile vehicles are excluded. Vehicles kept at home but used only for business purposes also are excluded.

Vehicles Per Household--This is computed by dividing aggregate vehicles available by the number of occupied housing units.

Limitation of the Data--The 1980 census evaluations showed that the number of automobiles was slightly overreported; the number of vans and trucks slightly underreported. The statistics do not measure the number of vehicles privately owned or the number of households owning vehicles.

Comparability--Data on automobiles available were collected from 1960 to 1980. In 1980, a separate question also was asked on the number of trucks and vans. The data on automobiles and trucks and vans were presented separately and also as a combined vehicles available tabulation. The 1990 data are comparable to the 1980 vehicles available tabulations.

#### YEAR HOUSEHOLDER MOVED INTO UNIT

The data on year householder moved into unit were obtained from questionnaire item H8, which was asked at occupied housing units. This item was asked on a sample basis. These data refer to the year of the latest move by the householder. If a householder moved back into a housing unit he or she previously occupied, the year of the latest move was reported. If the householder moved from one apartment to another within the same building, the year the householder moved into the present apartment was reported. The intent is to establish the year the present occupancy by the householder began. The year that the householder moved in is not necessarily the same year other members of the household moved, although in the great majority of cases an entire household moves at the same time.

Comparability--In 1960 and 1970, this question was asked of every person and included in population reports. This item in housing tabulations refers to the year the householder moved in. In 1980 and 1990, the question was asked only of the householder.

#### YEAR STRUCTURE BUILT

The data on year structure built were obtained from questionnaire item H17, which was asked at both occupied and vacant housing units. This item was asked on a sample basis. Data on year structure built refer to when the building was first constructed, not when it was remodeled, added to, or converted. For housing units under construction that met the housing unit definition--that is, all exterior windows, doors, and final usable floors were in place--the category "1989 or March 1990" was used. For a houseboat or a mobile home or trailer, the manufacturer's model year was assumed to be the year built. The figures shown in census data products relate to the number of units built during the specified periods that were still in existence at the time of enumeration.

Median Year Structure Built--The median divides the distribution into two equal parts. The median is rounded to the nearest calendar year. Median age of housing can be obtained by subtracting median year structure built from 1990. For example, if the median year structure built is 1957, the median age of housing in that area is 33 years (1990 minus 1957).

Limitation of the Data--Data on year structure built are more susceptible to errors of response and nonreporting than data on many other items because respondents must rely on their memory or on estimates by persons who have lived in the neighborhood a long time. Available evidence indicates there is underreporting in the older-year-structure- built categories, especially "Built in 1939 or earlier." The introduction of the "Don't know" category (see the discussion on "Comparability") may have resulted in relatively higher allocation rates. Data users should refer to the discussion in Appendix C, Accuracy of the Data, and to the allocation tables.

Comparability--Data on year structure built were collected for the first time in the 1940 census. Since then, the response categories have been modified to accommodate the 10-year period between each census. In 1990, the category, "Don't Know," was added in an effort to minimize the response error mentioned in the paragraph above on limitation of the data.

#### DERIVED MEASURES

Census data products include various derived measures, such as medians, means, and percentages, as well as certain rates and ratios. Derived measures that round to less than 0.1 are not shown but indicated as zero. In printed reports, zero is indicated by a dash (-).

#### Interpolation

Interpolation frequently is used in calculating medians or quartiles based on interval data and in approximating standard errors from tables. Linear interpolation is used to estimate values of a function between two known values. "Pareto interpolation" is an alternative to linear interpolation. It is used by the Census Bureau in calculating median income within intervals wider than \$2,500. In Pareto interpolation, the median is derived by interpolating between the logarithms of the upper and lower income limits of the median category.

#### Mean

This measure represents an arithmetic average of a set of values. It is derived by dividing the sum of a group of numerical items (or aggregate) by the total number of items. Aggregates are used in computing mean values. For example, mean family income is obtained by dividing the aggregate of all income reported by persons in families by the total number of families. (Additional information on means and aggregates is included in the separate explanations of many population and housing subjects.)

#### Median

This measure represents the middle value in a distribution. The median divides the total frequency into two equal parts: one-half of the cases fall below the median and one-half of the cases exceed the median. The median is computed on the basis of the distribution as tabulated, which is sometimes more detailed than the distribution shown in specific census publications and other data products.

In reports, if the median falls within the upper interval of the tabulation distribution, the median is shown as the initial value of the interval followed by a plus sign (+); if within the lower interval, the median is shown as the upper value of the category followed by a minus sign (-). For summary tape files, if the median falls within the upper or lower interval, it is set to a specified value. (Additional information on medians is included in the separate explanations of many population and housing subjects.)

#### Percentages, Rates, and Ratios

These measures are frequently presented in census products to compare two numbers or two sets of measurements. These comparisons are made in two ways: (1) subtraction, which provides an absolute measure of the difference between two items, and (2) the quotient of two numbers, which provides a relative measure of difference.

#### Quartile

This measure divides a distribution into four equal parts. The first quartile (or lower quartile) is the value that defines the upper limit of the lowest one-quarter of the cases. The second quartile is the median. The third quartile (or upper quartile) defines the lower limit of the upper one-quarter of the cases in the distribution. The difference between the upper and lower quartiles is called the interquartile range. This interquartile range is less affected by wide variations than is the mean. Quartiles are presented for certain financial characteristics such as housing value and rent.

# APPENDIX C.

## Accuracy of the Data

### CONTENTS

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### INTRODUCTION

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

### SAMPLE DESIGN

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

The sample designation method depended on the data collection procedures. Approximately 95 percent of the population was enumerated by the mailback procedure. In these areas, the Bureau of the Census either purchased a commercial mailing list, which was updated by the United States Postal Service and Census Bureau field staff, or prepared a mailing list by canvassing and listing each address in the area prior to Census Day. These lists were computerized and the appropriate units were electronically designated as sample units. The questionnaires were either mailed or hand-delivered to the addresses with instructions to complete and mail back the form.

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

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

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

The purpose of using variable sampling rates was to provide relatively more reliable estimates for small areas and decrease respondent burden in more densely populated areas while maintaining data reliability. When all sampling rates were taken into account across the Nation, approximately one out of every six housing units in the Nation was included in the 1990 census sample.

### CONFIDENTIALITY OF THE DATA

To maintain the confidentiality required by law (Title 13, United States Code), the Bureau of the Census applies a confidentiality edit to the 1990 census data to assure that



published data do not disclose information about specific individuals, households, or housing units. As a result, a small amount of uncertainty is introduced into the estimates of census characteristics. The sample itself provides adequate protection for most areas for which sample data are published since the resulting data are estimates of the actual counts; however, small areas require more protection. The edit is controlled so that the basic structure of the data is preserved.

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

## ERRORS IN THE DATA

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

In addition to the variability which arises from the sampling procedures, both sample data and 100-percent data are subject to nonsampling error. Nonsampling error may be introduced during any of the various complex operations used to collect and process census data. For example, operations such as editing, reviewing, or handling questionnaires may introduce error into the data. A detailed discussion of the sources of nonsampling error is given in the section on "Control of Nonsampling Error" in this appendix.

Nonsampling error may affect the data in two ways. Errors that are introduced randomly will increase the variability of the data and should therefore be reflected in the standard error. Errors that tend to be consistent in one

direction will make both sample and 100-percent data biased in that direction. For example, if respondents consistently tend to under-report their income, then the resulting counts of households or families by income category will tend to be understated for the higher income categories and overstated for the lower income categories. Such biases are not reflected in the standard error.

## Calculation of Standard Errors

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

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

1. Obtain the standard error from table A or B (or use the formula given below the table) for the estimated total or percentage, respectively.
2. Find the geographic area to which the estimate applies in the appropriate percent-in-sample table or appropriate matrix, and obtain the person or housing unit "percent-in-sample" figure for this area. Use the person "percent-in-sample" figure for person and family characteristics. Use the housing unit "percent-in-sample" figure for housing unit characteristics.
3. Use table C to obtain the design factor for the characteristic (for example, employment status, school enrollment) and the range that contains the percent-in-sample with which you are working. Multiply the basic standard error by this factor.

The unadjusted standard errors of zero estimates or of very small estimated totals or percentages will approach zero. This is also the case for very large percentages or estimated totals that are close to the size of the tabulation

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

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

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

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

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

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

This method, however, will underestimate (overestimate) the standard error if the two items in a sum are highly positively (negatively) correlated or if the two items in a difference are highly negatively (positively) correlated. This method may also be used for the difference between (or sum of) sample estimates from two censuses or from a census sample and another survey. The standard error for estimates not based on the 1990 census sample must be obtained from an appropriate source outside of this appendix.

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

**Ratios**—Frequently, the statistic of interest is the ratio of two variables, where the numerator is not a subset of the denominator. For example, the ratio of teachers to students

in public elementary schools. The standard error of the ratio between two sample estimates is estimated as follows:

1. If the ratio is a proportion, then follow the procedure outlined for “Totals and Percentages.”
2. If the ratio is not a proportion, then approximate the standard error using the formula below.

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

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

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

### Confidence Intervals

A sample estimate and its estimated standard error may be used to construct confidence intervals about the estimate. These intervals are ranges that will contain the average value of the estimated characteristic that results over all possible samples, with a known probability. For example, if all possible samples that could result under the 1990 census sample design were independently selected and surveyed under the same conditions, and if the estimate and its estimated standard error were calculated for each of these samples, then:

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

- Approximately 95 percent of the intervals from two estimated standard errors below the estimate to two estimated standard errors above the estimate would contain the average result from all possible samples.

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

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

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

The estimated standard errors given in this appendix do not include all portions of the variability due to nonsampling error that may be present in the data. The standard errors reflect the effect of simple response variance, but not the effect of correlated errors introduced by enumerators, coders, or other field or processing personnel. Thus, the standard errors calculated represent a lower bound of the total error. As a result, confidence intervals formed using these estimated standard errors may not meet the stated levels of confidence (i.e., 68, 90, or 95 percent). Thus, some care must be exercised in the interpretation of the data in this data product based on the estimated standard errors.

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

### Use of Tables to Compute Standard Errors

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

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

population of City A was 21,220. The formula for the basic standard error, SE, is

$$SE(9,948) = \sqrt{5(9,948) (1-9,948/21,220)}$$

$$= 163 \text{ persons.}$$

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

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

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

In the previous example, the standard error of the 9,948 persons 16 years and over in City A who were in the civilian labor force was found to be 179. Thus, a 90 percent confidence interval for this estimated total is found to be:

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

or

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

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

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

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

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

Using the results of the previous example:

$$\begin{aligned} SE(6.7) &= \sqrt{(SE(62.6))^2 + (SE(55.9))^2} = \sqrt{(0.94)^2 + (0.95)^2} \\ &= 1.34 \text{ percentage points} \end{aligned}$$

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

$$\begin{aligned} [6.70 - 1.645(1.34)] \text{ to } [6.70 + 1.645(1.34)] \\ \text{or} \\ 4.50 \text{ to } 8.90 \end{aligned}$$

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

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

$$\begin{aligned} 9948/9314 &= 1.07 \\ SE(1.07) &= \left(\frac{9948}{9314}\right) \sqrt{\frac{179^2}{(9948)^2} + \frac{188^2}{(9314)^2}} \\ &= .029 \end{aligned}$$

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

$$\begin{aligned} [1.07 - 1.645(.029)] \text{ to } [1.07 + 1.645(.029)] \\ \text{or} \\ 1.02 \text{ to } 1.12 \end{aligned}$$

## ESTIMATION PROCEDURE

The estimates which appear in this publication were obtained from an iterative ratio estimation procedure (iterative proportional fitting) resulting in the assignment of a weight to each sample person or housing unit record. For any given tabulation area, a characteristic total was estimated by summing the weights assigned to the persons or housing units possessing the characteristic in the tabulation area. Estimates of family or household characteristics were based on the weight assigned to the family member designated as householder. Each sample person or housing unit record was assigned exactly one weight to be used to produce estimates of all characteristics. For example, if

the weight given to a sample person or housing unit had the value 6, all characteristics of that person or housing unit would be tabulated with the weight of 6. The estimation procedure, however, did assign weights varying from person to person or housing unit to housing unit. The estimation procedure used to assign the weights was performed in geographically defined "weighting areas." Weighting areas generally were formed of contiguous geographic units which agreed closely with census tabulation areas within counties. Weighting areas were required to have a minimum sample of 400 persons. Weighting areas never crossed State or county boundaries. In small counties with a sample count below 400 persons, the minimum required sample condition was relaxed to permit the entire county to become a weighting area.

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

### PERSONS

#### STAGE I: TYPE OF HOUSEHOLD

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

#### STAGE II: SAMPLING RATES

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

### STAGE III: HOUSEHOLDER/NONHOUSEHOLDER

|   |                |
|---|----------------|
| 1 | Householder    |
| 2 | Nonhouseholder |

### STAGE IV: AGE/SEX/RACE/HISPANIC ORIGIN

|         |   |
|---------|---|
| Group   | White   |
|         | Persons of Hispanic Origin                                      |
|         | Male  |
| 1       | 0 to 4 years  |
| 2       | 5 to 14 years   |
| 3       | 15 to 19 years  |
| 4       | 20 to 24 years  |
| 5       | 25 to 34 years  |
| 6       | 35 to 54 years  |
| 7       | 55 to 64 years  |
| 8       | 65 to 74 years  |
| 9       | 75 years and over   |
|         | Female  |
| 10-18   | Same age categories as groups 1 through 9.                      |
|         | Persons Not of Hispanic Origin                                  |
| 19-36   | Same sex and age categories as groups 1 through 18.             |
|         | Black   |
| 37-72   | Same age/sex/Hispanic origin categories as groups 1 through 36. |
|         | Asian or Pacific Islander                                       |
| 73-108  | Same age/sex/Hispanic origin categories as groups 1 through 36. |
|         | American Indian, Eskimo, or Aleut                               |
| 109-144 | Same age/sex/Hispanic origin categories as groups 1 through 36. |
|         | Other Race (includes those races not listed above)              |
| 145-180 | Same age/sex/Hispanic origin categories as groups 1 through 36. |

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

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

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

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

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

### OCCUPIED HOUSING UNITS

#### STAGE I: TYPE OF HOUSEHOLD

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

STAGE I: TYPE OF HOUSEHOLD—Con.

|       |   |
|-------|---|
|       | All Other Housing Units                     |
| 11    | 1 person in housing unit                    |
| 12-16 | 2 through 8 or more persons in housing unit |

STAGE II: SAMPLING RATE CATEGORY

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

STAGE III: UNITS IN STRUCTURE

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

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

|        |  |
|--------|--|
| Group  | Owner  |
|        | White Householder  |
|        | Householder of Hispanic Origin                               |
|        | Value  |
| 1      | Less than \$20,000   |
| 2      | \$20,000 to \$39,999   |
| 3      | \$40,000 to \$59,999   |
| 4      | \$60,000 to \$79,999   |
| 5      | \$80,000 to \$99,999   |
| 6      | \$100,000 to \$149,999                                       |
| 7      | \$150,000 to \$249,999                                       |
| 8      | \$250,000 to \$299,999                                       |
| 9      | \$300,000 or more  |
| 10     | Other <sup>1</sup>   |
|        | Householder Not of Hispanic Origin                           |
| 11-20  | Same value categories as groups 1 through 10                 |
|        | Black Householder  |
| 21-40  | Same Hispanic origin/value categories as groups 1 through 20 |
|        | Asian or Pacific Islander Householder                        |
| 41-60  | Same Hispanic origin/value categories as groups 1 through 20 |
|        | American Indian, Eskimo, or Aleut Householder                |
| 61-80  | Same Hispanic origin/value categories as groups 1 through 20 |
|        | Householder of Other Race                                    |
| 81-100 | Same Hispanic origin/value categories as groups 1 through 20 |

Renter

|  |
|--|
| White Householder  |
| Householder of Hispanic origin   |
| Rent   |
| 101 Less than \$100  |
| 102 \$100 to \$199   |
| 103 \$200 to \$299   |
| 104 \$300 to \$399   |
| 105 \$400 to \$499   |
| 106 \$500 to \$599   |
| 107 \$600 to \$749   |
| 108 \$750 to \$999   |
| 109 \$1,000 or more  |
| 110 No cash rent   |
| Householder Not of Hispanic Origin                                     |
| 111-120 Same rent categories as groups 101 through 110                 |
| Black Householder  |
| 121-140 Same Hispanic origin/rent categories as groups 101 through 120 |
| Asian or Pacific Islander Householder                                  |
| 141-160 Same Hispanic origin/rent categories as groups 101 through 120 |
| American Indian, Eskimo, or Aleut Householder                          |
| 161-180 Same Hispanic origin/rent categories as groups 101 through 120 |
| Householder of Other Race  |
| 181-200 Same Hispanic origin/rent categories as groups 101 through 120 |
| Vacant Housing Units   |
| 1 Vacant for rent  |
| 2 Vacant for sale  |
| 3 Other vacant   |

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

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

## Control of Nonsampling Error

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

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

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

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

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

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

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

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

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

**Nonresponse**—Nonresponse to particular questions on the census questionnaire allows for the introduction of bias into the data, since the characteristics of the nonrespondents have not been observed and may differ from those reported by respondents. As a result, any imputation procedure using respondent data may not completely

reflect this difference either at the elemental level (individual person or housing unit) or on the average. Some protection against the introduction of large biases is afforded by minimizing nonresponse. In the census, nonresponse was reduced substantially during the field operations by the various edit and followup operations aimed at obtaining a response for every question. Characteristics for the nonresponses remaining after this operation were imputed by the computer by using reported data for a person or housing unit with similar characteristics.

## **EDITING OF UNACCEPTABLE DATA**

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

Subsequent to field operations, remaining incomplete or inconsistent information on the questionnaires was assigned

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

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



**Table A. Unadjusted Standard Error for Estimated Totals**

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

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

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

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

N = Size of area

$\hat{Y}$  = Estimate of characteristic total

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

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

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

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

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

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

B = Base of estimated percentage

$\hat{p}$  = Estimated percentage

## APPENDIX D.

### Collection and Processing Procedures

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#### ENUMERATION AND RESIDENCE RULES

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

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

#### Enumeration Rules

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

Americans with a usual residence outside the United States were not enumerated in the 1990 census. United States military and Federal civilian employees, and their dependents overseas, are included in the population counts for States for purposes of Congressional apportionment, but are excluded from all other tabulations for States and their subdivisions. The counts of United States military and Federal civilian employees, and their dependents, were obtained from administrative records maintained by Federal departments and agencies. Other Americans living overseas, such as employees of international agencies and private businesses and students, were not enumerated, nor were their counts obtained from administrative sources. On the other hand, Americans temporarily overseas were to be enumerated at their usual residence in the United States.

## Residence Rules

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

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

### Persons in the Armed Forces--

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

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

Personnel assigned to each Navy and Coast Guard ship were given the opportunity to report a residence off the ship. Those who did report an off-ship residence in the communities surrounding the homeport were counted there; those who did not were counted as residents of the ship. Personnel on Navy ships deployed to the 6th or 7th Fleet on Census Day were considered to be part of the overseas population.

### Persons on Maritime Ships--

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

The port where the ship was docked on Census Day, if that port was in the United States or its territories.

The port of departure if the ship was at sea, provided the port was in the United States or its territories.

The port of destination in the United States or its territories, if the port of departure of a ship at sea was a foreign port.

The overseas population if the ship was docked at a foreign port or at sea between foreign ports. (These persons were not included in the overseas population for apportionment purposes.)

#### Persons Away at School--

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

#### Persons in Institutions--

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

#### Persons Away From Their Usual Residence on Census Day--

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

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

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

#### DATA COLLECTION PROCEDURES

The 1990 census was conducted primarily through self-enumeration. The questionnaire packet included general information about the 1990 census and an instruction guide explaining how to complete the questionnaire. Spanish-language questionnaires and instruction guides were available on request. Instruction guides also were available in 32 other languages.

#### Enumeration of Housing Units

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

A short-form questionnaire that contained a limited number of basic population and housing questions; these questions were asked of all persons and housing units and are often referred to as 100-percent questions.

A long-form questionnaire that contained the 100-percent items and a number of additional questions; a sampling procedure was used to determine those housing units that were to receive the long-form questionnaire.

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

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

The update/leave/mail-back method was used mainly in densely populated rural areas where it was difficult to develop mailing lists because mailing addresses did not use house number and street name. The Census Bureau compiled lists of housing units in advance of the census. Enumerators delivered the questionnaires, asked respondents to return them by mail, and added housing units not on the mailing lists. This method was used mainly in the South and Midwest, and also included some high-rise, low-income urban areas. A variation of this method was used in urban areas having large numbers of boarded-up buildings. About 11 million housing units were enumerated using this method.

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

#### Followup

##### Nonresponse Followup--

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

## Coverage and Edit-Failure Followup-

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

## Special Enumeration Procedures

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

## Shelter and Street Night (S-Night)

The Census Bureau collected data for various components of the homeless population at different stages in the 1990 census. "Shelter and Street Night" (S-Night) was a special census operation to count the population in four types of locations where homeless people are found. On the evening of March 20, 1990, and during the early morning hours of March 21, 1990, enumerators counted persons in pre-identified locations:

Emergency shelters for the homeless population (public and private; permanent and temporary).

Shelters with temporary lodging for runaway youths.

Shelters for abused women and their children.

Open locations in streets or other places not intended for habitation.

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

Other components, which some consider as part of the homeless population, were enumerated as part of regular census operations. These include persons doubled up with other families, as well as persons with no other usual home living in transient sites, such as commercial

campgrounds, maternity homes for unwed mothers, and drug/alcohol abuse detoxification centers. In institutions, such as local jails and mental hospitals, the Census Bureau does not know who has a usual home elsewhere; therefore, even though some are literally homeless, these persons cannot be identified separately as a component of the homeless population.

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

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

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

Hotels and motels used to house homeless persons and families.

A list of outdoor locations where homeless persons tend to be at night.

Places such as bus or train stations, subway stations, airports, hospital emergency rooms, and so forth, where homeless persons seek shelter at night.

The specific addresses of abandoned or boarded-up buildings where homeless persons were thought to stay at night.

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

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

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

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

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

Less than 1 percent of shelters refused to participate in the census count at first. By the end of the census period, most of those eventually cooperated and the number of refusals had been reduced to a few. For the final refusals, head counts and population characteristics were obtained by enumerators standing outside such shelters and counting people as they left in the morning.

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

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

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



age. Enumerators conducted M-Night up to midnight on April 8, 1980, and returned the next morning to collect any forms completed after midnight.

The Casual Count operation was conducted in May 1980 at additional nonshelter locations, such as street corners, pool halls, welfare and employment offices. This operation lasted for approximately 2 weeks. Casual Count was conducted during the day only in selected large central cities. Only persons who appeared to be at least 15 years of age were asked if they had been previously enumerated. Casual Count was actually a coverage-improvement operation. It was not specifically an operation to count homeless persons living in the streets. Persons were excluded if they said they had a usual home outside the city because it was not cost effective to check through individual questionnaires in another city to try to find the person.

#### PROCESSING PROCEDURES

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

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

The data processing was performed in several stages. All questionnaires were microfilmed, "read" by FOSDIC, and transferred to computer disk. Selected written entries in the race question on both the short and long forms were keyed from the microfilm and coded using the data base developed from the 1980 census and subsequent content and operational tests. Keying of other written entries on the long forms occurred in the seven processing offices.

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

## APPENDIX F.

### Data Products and User Assistance

#### CONTENTS

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

The data products present statistics about the subjects covered in the 1990 census questionnaires. These subjects are listed in figure 1, page F-7. 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-8), present both 100-percent and sample data.

## Printed Reports

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

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

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

## Computer Tape Files

The Census Bureau provides more data on tape and other machine-readable products than in printed reports. These products are sold by the Census Bureau's Customer Services. There are several general types of data files released on computer tape (available on both reels and cartridges). They are introduced below, and more information is presented in figures 3 and 4, pages F-11 through F-13.

Public Law 94-171 Data--This data file presents the counts designed and formatted for use in legislative re-districting. 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             | Housing                                     |
| Household relationship | Number of units in structure                |
| Sex                    | Number of rooms in unit                     |
| Race                   | Tenure--owned or rented                     |
| Age                    | Value of home or monthly rent               |
| Marital status         | Congregate housing (meals included in rent) |
| Hispanic origin        | Vacancy characteristics                     |

### SAMPLE COMPONENT

|  |   |
|--|---|
| Population   | Housing                                       |
| Social characteristics:                                  | Year moved into residence                     |
| Education--enrollment and attainment                     | Number of bedrooms                            |
| Place of birth, citizenship, and year of entry into U.S. | Plumbing and kitchen facilities               |
| Ancestry   | Telephone in unit                             |
| Language spoken at home                                  | Vehicles available                            |
| Migration (residence in 1985)                            | Heating fuel                                  |
| Disability   | Source of water and method of sewage disposal |
| Fertility  | Year structure built                          |
| Veteran status   | Condominium status                            |
| Economic characteristics:                                | Farm residence                                |
|  | Shelter costs, including utilities            |
| 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   |   |

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

1990 CENSUS OF POPULATION AND HOUSING (1990 CPH)  
100-Percent Data

Series: 1990 CPH-1  
Title: Summary Population and Housing Characteristics  
Report(s) issued for: U.S., States, DC, Puerto Rico, and U.S. Virgin Islands

Description: 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

Geographic areas: Local governmental units (i.e., counties, places, and towns and townships), other county subdivisions, and American Indian and Alaska Native areas

Series: 1990 CPH-2  
Title: Population and Housing Unit Counts  
Report(s) issued for: U.S., States, DC, Puerto Rico, and U.S. Virgin Islands

Description: Total population and housing unit counts for 1990 and previous censuses

Geographic areas: 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

Series: 1990 CPH-3  
Title: Population and Housing Characteristics for Census Tracts and Block Numbering Areas  
Report(s) issued for: MA's, and the nonmetropolitan balance of each State, Puerto Rico, and U.S. Virgin Islands

Description: Statistics on 100-percent and sample population and housing subjects

Geographic areas: 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

Series 1990 CPH-4  
Title Population and Housing Characteristics for  
Congressional Districts of the 103rd Congress  
Report(s)  
issued for: States and DC  
Description: Statistics on 100-percent and sample population  
and housing subjects  
Geographic areas 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

Series: 1990 CPH-5  
Title: Summary Social, Economic, and Housing Characteristics  
Report(s)  
issued for: U.S., States, DC, Puerto Rico, and U.S. Virgin Islands  
Description: Statistics generally on sample population and housing  
subjects  
Geographic areas: 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

Series: 1990 CP-1  
Title: General Population Characteristics  
Report(s)  
issued for: U.S., States, DC, Puerto Rico, and U.S. Virgin Islands  
Description: Detailed statistics on age, sex, race, Hispanic origin,  
marital status, and household relationship  
characteristics  
Geographic areas: 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

Series: 1990 CP-1-1A  
Title: General Population Characteristics for  
American Indian and Alaska Native Areas

Report(s)  
issued for U.S.

Description: Detailed statistics on age, sex, race, Hispanic origin, marital status, and household relationship characteristics

Geographic areas: 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

Series: 1990 CP-1-1B  
Title: General Population Characteristics for Metropolitan Areas

Report(s)  
issued for: U.S.

Description: Detailed statistics on age, sex, race, Hispanic origin, marital status, and household relationship characteristics

Geographic areas: Individual MA's. For MA's split by State boundaries, summaries are provided both for the parts and for the whole MA

Series: 1990 CP-1-1C  
Title: General Population Characteristics for Urbanized Areas

Report(s)  
issued for: U.S.

Description: Detailed statistics on age, sex, race, Hispanic origin, marital status, and household relationship characteristics

Geographic areas: Individual UA's. For UA\'s split by State boundaries, summaries are provided both for the parts and for the whole UA

---

#### Sample Data

Series: 1990 CP-2  
Title: Social and Economic Characteristics

Report(s)  
issued for: U.S., States, DC, Puerto Rico, and U.S. Virgin Islands

Description: Statistics generally on sample population subjects

Geographic areas: 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

Series: 1990 CP-2-1A  
Title: Social and Economic Characteristics for American Indian and Alaska Native Areas  
Report(s) issued for: U.S.  
Description: Statistics generally on sample population subjects  
Geographic areas: American Indian and Alaska Native areas, as for CP-1-1A

Series: 1990 CP-2-1B  
Title: Social and Economic Characteristics for Metropolitan Areas  
Report(s) issued for: U.S.  
Description: Statistics generally on sample population subjects  
Geographic areas: Individual MA's, as for CP-1-1B

Series: 1990 CP-2-1C  
Title: Social and Economic Characteristics for Urbanized Areas  
Report(s) issued for: U.S.  
Description: Statistics generally on sample population subjects  
Geographic areas: Individual UA's, as for CP-1-1C

Series: 1990 CP-3  
Title: Population Subject Reports  
Report(s) issued for: Selected subjects  
Description: Approximately 30 reports on population census subjects such as migration, education, income, the older population, and racial and ethnic groups  
Geographic areas: 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

---

1990 CENSUS OF HOUSING (1990 CH)  
100-Percent Data

Series: 1990 CH-1  
Title: General Housing Characteristics

Report(s)  
issued for: U.S., States, DC, Puerto Rico, and U.S. Virgin Islands

Description: Detailed statistics on units in structure, value and rent, number of rooms, tenure, and vacancy characteristics

Geographic areas: 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

Series: 1990 CH-1-1A  
Title: General Housing Characteristics for American Indian and Alaska Native Areas

Report(s)  
Issued for: U.S.

Description: Detailed statistics on units in structure, value and rent, number of rooms, tenure, and vacancy characteristics

Geographic areas: 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

Series: 1990 CH-1-1B  
Title: General Housing Characteristics for Metropolitan Areas

Report(s)  
issued for: U.S.

Description: Detailed statistics on units in structure, value and rent, number of rooms, tenure, and vacancy characteristics

Geographic areas: Individual MA's. For MA's split by State boundaries, summaries are provided both for the parts and for the whole MA

Series: 1990 CH-1-1C  
Title: General Housing Characteristics for Urbanized Areas

Report(s)  
issued for: U.S.

Description: Detailed statistics on units in structure, value and rent, number of rooms, tenure, and vacancy characteristics

Geographic areas: Individual UA's. For UA's split by State boundaries, summaries are provided both for the parts and for the whole UA

---

Sample Data

Series: 1990 CH-2  
Title: Detailed Housing Characteristics  
Report(s)  
issued for: U.S., States, DC, Puerto Rico, and U.S. Virgin Islands

Description: Statistics generally on sample housing subjects

Geographic areas: 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

Series: 1990 CH-2-1A  
Title: Detailed Housing Characteristics for American Indian and Alaska Native Areas  
Report(s)  
issued for: U.S.

Description: Statistics generally on sample housing subjects

Geographic areas: American Indian and Alaska Native areas, as in 1990 CH-1-1A

Series: 1990 CH-2-1B  
Title: Detailed Housing Characteristics for Metropolitan Areas  
Report(s)  
issued for: U.S.

Description: Statistics generally on sample housing subjects

Geographic areas: Individual MA's, as in 1990 CH-1-1B

Series: 1990 CH-2-1C  
Title: Detailed Housing Characteristics for Urbanized Areas  
Report(s)  
issued for: U.S.

Description: Statistics generally on sample housing subjects

Geographic areas: Individual UA's, as in 1990 CH-1-1C

Series: 1990 CH-3  
 Title: Housing Subject Reports  
 Report(s) issued for: Selected subjects

Description: Approximately 10 reports on housing census subjects such as structural characteristics and space utilization

Geographic areas: 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  |
|-----------------------------|--|--|
| 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  |  |
| STF 1 C(3)<br>(100 percent) | U.S., regions, divisions, States (including summaries such as urban and rural), counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, metropolitan areas (MA's), urbanized areas (UA's), American Indian and Alaska Native areas | Over 900 cells/items of 100-percent population and housing counts and characteristics for each geographic area |
| D                           | Congressional districts (CD's) of the 103rd Congress by State; and within each CD: counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, Alaska Native areas, and American Indian areas  |  |
| 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 2    | 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  | 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 |
|          | 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 |  |
|          | 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   | Over 3,300 cells/items of sample population and housing characteristics for each geographic area   |
| STF 3    | 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  |  |
| (Sample) |        |  |  |
|          | 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  |  |

---

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 B<br>(Sample) | 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 |   |

- (1) Similar STF's will be prepared for Puerto Rico and the U.S. Virgin Islands.
- (2) Also available on microfiche. STF 1B microfiche provides only part of the data for blocks and other areas in the tape file.
- (3) Also 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: Subject Summary  
Tape Files

Description: 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

Geographic areas: U.S., regions, divisions, States, metropolitan areas (MA's), and large counties and places

---

Title: Public Law 94-171  
Data File (redistricting data)

Description: 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

Geographic areas: 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

---

Title: Census/Equal Employment Opportunity (EEO) Special File

Description: Sample tabulations showing detailed occupations and educational attainment data by age; cross tabulated by sex, Hispanic origin, and race

Geographic areas: Counties, MA's, places of 50,000 or more inhabitants

---

Title: County-to-County Migration File

Description: Summary statistics for all intra-state county-to-county migration streams and significant interstate 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

Geographic areas: States, counties

---

Title: Public Use Microdata Sample (PUMS) Files

Description: Machine-readable files containing a sample of individual long-form census records showing most population and housing characteristics but with identifying information removed

Title: 5 Percent--PUMS Areas

Geographic areas: County groups, counties, county subdivisions, and places with 100,000 or more inhabitants

Title: 1 Percent--Metropolitan Areas (1990)

Geographic areas: MA's and other large areas with 100,000 or more inhabitants

---

Title: User-Defined Areas Tabulations

Description: A set of standard tabulations provided on printouts, tapes, or other products with maps and narrative (if requested)

Geographic areas: User-defined areas created by aggregating census blocks

-----

Title: Special Tabulations

Description: User-defined tabulations for specified geographic areas  
provided on printouts, tapes, or other products

Geographic areas: User-defined areas or standard areas



## APPENDIX G.

### Maps

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| 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 CD-ROM files. 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.

## APPENDIX H.

### Code Lists

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|                 |       |
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#### 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) |
| 000-001 | ALSATIAN                      |
| 000-001 | Alsace Lorraine               |
| 002     | ANDORRAN                      |
| 002     | Andorra                       |
| 003-004 | AUSTRIAN                      |
| 003     | AUSTRIAN                      |
| 003     | Austria                       |
| 004     | TIROL                         |
| 004     | Tirol                         |
| 005-007 | BASQUE                        |
| 005     | BASQUE                        |
| 005     | Euskalduna                    |
| 005     | Euzkadi                       |
| 006     | FRENCH BASQUE                 |
| 007     | SPANISH BASQUE                |
| 007     | Vasco                         |
| 008-010 | BELGIAN                       |
| 008     | BELGIAN                       |
| 008     | Belgium                       |
| 009     | FLEMISH                       |
| 009     | Flanders                      |
| 009     | Fleming                       |
| 009     | Vlamand                       |
| 010     | WALLOON                       |

|         |                   |
|---------|-------------------|
| 011-014 | BRITISH           |
| 011     | BRITISH           |
| 011     | Great Britain     |
| 011     | United Kingdom    |
| 012     | BRITISH ISLES     |
| 013     | CHANNEL ISLANDER  |
| 013     | Guernsey Islander |
| 013     | Jersey Islander   |
| 014     | GIBRALTAR         |
| 015     | CORNISH           |
| 015     | Cornwall          |
| 016     | CORSICAN          |
| 016     | Corsica           |
| 017-019 | CYPRIOT           |
| 017     | CYPRIOT           |
| 017     | Cyprus            |
| 018     | GREEK CYPRIOTE    |
| 019     | TURKISH CYPRIOTE  |
| 020     | DANISH            |
| 020     | Denmark           |
| 021     | DUTCH             |
| 021     | Holland           |
| 021     | Netherlands       |
| 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     | Hugenot           |
| 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           |
| 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        |
| 058     | EMILIA ROMAGNA  |
| 059     | ROME            |
| 059     | Lazio           |
| 059     | Vatican City    |
| 060     | LIGURIAN        |
| 061     | LOMBARDIAN      |
| 062     | MARCHE          |
| 063     | MOLISE          |
| 064     | NEAPOLITAN      |
| 065     | PIEDMONTESE     |
| 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             |
| 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     | ALBANIAN                        |
| 100     | Albania                         |
| 100     | Arberesh                        |
| 100     | Gheg                            |
| 100     | Italo Albanian                  |
| 100     | Kossovo                         |
| 100     | Tosc                            |
| 101     | AZERBAIJANI                     |
| 101     | Adjerbaijani                    |
| 101     | Azerbaidzhan                    |
| 101     | Azeri                           |
| 102     | BELORUSSIAN                     |
| 102     | Byelorussian                    |
| 103     | BULGARIAN                       |
| 103     | Bulgaria                        |
| 103     | Bulgaro Macedonian              |
| 103     | Eastern Rumelian                |
| 104-105 | CARPATHO RUSYN                  |
| 104     | CARPATHO RUSYN                  |
| 104     | Carpatho Rus                    |
| 104     | Carpatho Russian                |
| 104     | Carpatho Ruthenian              |
| 105     | CARPATHIAN                      |
| 106     | RUSYN                           |
| 106     | Rus                             |
| 106     | Rusin                           |
| 106     | Rusnak                          |
| 107     | RUTHENIAN                       |
| 107     | Ruthenia                        |
| 108     | COSSACK                         |
| 108     | Don Cossack                     |
| 108     | Orenburg Cossack                |



|         |                    |
|---------|--------------------|
| 108     | Terek Cossack      |
| 108     | Ural Cossack       |
| 109-110 | CROATIAN           |
| 109     | Croatia            |
| 109     | Dalmatian          |
| 109-110 | Zadar              |
| 111-113 | CZECH              |
| 111     | CZECH              |
| 112     | BOHEMIAN           |
| 113     | MORAVIAN           |
| 114     | CZECHOSLOVAKIAN    |
| 114     | Czechoslovakia     |
| 114     | Tczechoslovakia    |
| 115-116 | ESTONIAN           |
| 115     | ESTONIAN           |
| 115     | Estonia            |
| 116     | LIVONIAN           |
| 117-119 | FINNO UGRIAN       |
| 117     | FINNO UGRIAN       |
| 117     | Komi               |
| 117     | Mari               |
| 117     | Udmurt             |
| 118     | MORDOVIAN          |
| 119     | VOYTAK             |
| 120-121 | GRUZIIA            |
| 120-121 | Gruzinets          |
| 122-123 | GERMAN FROM RUSSIA |
| 122     | GERMAN FROM RUSSIA |
| 123     | VOLGA              |
| 123     | Black Sea German   |
| 123     | Volhynian German   |
| 124     | ROM                |
| 124     | Boyash             |
| 124     | Cali               |
| 124     | Dom                |
| 124     | Gitanos            |
| 124     | Gypsy              |
| 124     | Kalderash          |
| 124     | Luri               |
| 124     | Manouche           |
| 124     | Nat                |
| 124     | Romnichal          |
| 124     | Senti              |
| 124     | Xoraxaya           |
| 125-126 | HUNGARIAN          |
| 125     | HUNGARIAN          |
| 125     | Hungary            |
| 125     | Szekler            |

|         |                        |
|---------|------------------------|
| 126     | MAGYAR                 |
| 127     | KALMYK                 |
| 127     | Kalmuck                |
| 128     | LATVIAN                |
| 128     | Latvia                 |
| 128     | Lettish                |
| 129     | LITHUANIAN             |
| 129     | Jmoud                  |
| 129     | Lithuania              |
| 130     | MACEDONIAN             |
| 130     | Macedonia              |
| 130     | Slavophone             |
| 131     | MONTENEGRIN            |
| 131     | Orna Gora              |
| 132-141 | NORTH CAUCASIAN        |
| 132     | NORTH CAUCASIAN        |
| 132     | Abkhazian              |
| 132     | Adyge                  |
| 132     | Avar                   |
| 132     | Caucasus Mountains     |
| 132     | Chechen                |
| 132     | Daghestan              |
| 132     | Darghinian             |
| 132     | Gortsy                 |
| 132     | Ingush                 |
| 132     | Kabardinian            |
| 132     | Lezghian               |
| 132     | Tavlintsy              |
| 133     | NORTH CAUCASIAN TURKIC |
| 133     | Adzharian              |
| 133     | Balkar                 |
| 133     | Cherkess               |
| 133     | Circassian             |
| 133     | Karachay               |
| 133-139 | Kumyk                  |
| 140-141 | OSSETIAN               |
| 142-143 | POLISH                 |
| 142     | POLISH                 |
| 142     | Gorali                 |
| 142     | Masurian               |
| 142     | Poland                 |
| 142     | Polonia                |
| 142     | Polska                 |
| 143     | KASHUBIAN              |
| 144-147 | ROMANIAN               |
| 144     | ROMANIAN               |
| 144     | Romania                |
| 144     | Transylvania           |
| 145     | BESSARABIAN            |

|         |                                     |
|---------|-------------------------------------|
| 145     | Dobruja                             |
| 146     | MOLDAVIAN                           |
| 147     | WALLACHIAN                          |
| 147     | Vlach                               |
| 148-151 | RUSSIAN                             |
| 148     | RUSSIAN                             |
| 148     | Black Russian                       |
| 148     | Great Russian                       |
| 148     | Red Russian                         |
| 148     | Rossiya                             |
| 148-149 | Russia                              |
| 150-151 | MUSCOVITE                           |
| 152     | SERBIAN                             |
| 152     | Serb                                |
| 153     | SLOVAK                              |
| 153     | Slovakian                           |
| 153     | Slovjak                             |
| 154-155 | SLOVENE                             |
| 154     | SLOVENE                             |
| 154     | Slovenec                            |
| 154     | Slovenian                           |
| 154     | Slovenski                           |
| 155     | SORBIAN/WEND                        |
| 155     | Lusatian Serb                       |
| 155     | Sorb                                |
| 155     | Wend                                |
| 155     | Wendish                             |
| 156-163 | SOVIET TURKIC                       |
| 156     | SOVIET TURKIC                       |
| 156     | Soviet Turk                         |
| 157     | BASHKIR                             |
| 158     | CHUVASH                             |
| 159     | GAGAUZ                              |
| 160     | MESKNETIAN                          |
| 161-162 | TUVINIAN                            |
| 163     | YAKUT                               |
| 164     | SOVIET UNION                        |
| 164     | Union of Soviet Socialist Republics |
| 165-167 | TATAR                               |
| 165     | TATAR                               |
| 165     | Crimean Tatar                       |
| 165     | Kazan Tatar                         |
| 165     | Nogay Tatar                         |
| 165     | Polish Tatar                        |
| 165-166 | Volga Tatar                         |
| 167     | SOVIET CENTRAL ASIA                 |
| 167     | Kurile Islander                     |
| 167     | Sakhalin Islander                   |
| 167     | Siberian                            |

|         |                   |
|---------|-------------------|
| 168-170 | TURKESTANI        |
| 168     | TURKESTANI        |
| 168     | Karakalpak        |
| 168     | Kazak             |
| 168     | Kirghiz           |
| 168     | Tadzhik           |
| 168     | Turcoman          |
| 168     | Turkestani        |
| 168     | Turkmen           |
| 168     | Turkoman          |
| 168     | Uiger             |
| 169-170 | UZBEG             |
| 171-174 | UKRAINIAN         |
| 171     | UKRANIAN          |
| 171     | Little Russian    |
| 171     | Malo Russian      |
| 171     | Ukraine           |
| 172     | LEMKO             |
| 172     | Lemkian           |
| 173     | BIOKO             |
| 174     | HUSEL             |
| 175     | WINDISH           |
| 175     | Prekmurje         |
| 175     | Windisch          |
| 176-177 | YUGOSLAVIAN       |
| 176     | YUGOSLAVIAN       |
| 176     | Jugoslavia        |
| 177     | HERZEGOVINIAN     |
| 177     | Bosanci           |
| 177     | Bosnian Muslim    |
| 177     | Bosnjaci          |
| 178-180 | SLAVIC            |
| 178     | SLAVIC            |
| 178     | Slav              |
| 179-180 | SLAVONIAN         |
| 181-199 | EUROPE, N.E.C.    |
| 181     | EUROPE, N.E.C.    |
| 181     | Central European  |
| 181-182 | Middle European   |
| 183     | NORTHERN EUROPEAN |
| 183-184 | North Europe      |
| 185     | SOUTHERN EUROPEAN |
| 185-186 | South Europe      |
| 187     | WESTERN EUROPEAN  |
| 187-189 | West Europe       |
| 190     | EASTERN EUROPEAN  |
| 190     | Byzantine         |
| 190     | East Europe       |
| 191-192 | BUKOVINA          |
| 193-194 | SILESIAN          |
| 195     | EUROPEAN          |
| 196     | GALICIAN          |
| 196-199 | Galicia           |

|         |                                       |
|---------|---------------------------------------|
| 200-299 | HISPANIC CATEGORIES (INCLUDING SPAIN) |
| 200-203 | SPANIARD                              |
| 200     | SPANIARD                              |
| 200     | Espanola                              |
| 200     | Iberian                               |
| 200     | Spain                                 |
| 201     | ANDALUSIAN                            |
| 202     | ASTURIAN                              |
| 203     | CASTILLIAN                            |
| 204-209 | CATALONIAN                            |
| 204     | CATALONIAN                            |
| 204     | Catalonia                             |
| 205     | BALEARIC ISLANDER                     |
| 205     | Mallorca                              |
| 206     | GALLEGO                               |
| 207     | VALENCIAN                             |
| 208-209 | CANARY ISLANDER                       |
| 210-218 | MEXICAN                               |
| 210     | MEXICAN                               |
| 211     | MEXICAN AMERICAN                      |
| 212     | MEXICANO                              |
| 213     | CHICANO                               |
| 214-217 | LA RAZA                               |
| 218     | MEXICAN STATE                         |
| 218     | Aguascalientes                        |
| 218     | Baja California                       |
| 218     | Campeche                              |
| 218     | Chiapas                               |
| 218     | Chihuahua                             |
| 218     | Coahuila                              |
| 218     | Colima                                |
| 218     | Distrito Federal                      |
| 218     | Durango                               |
| 218     | Guanajuato                            |
| 218     | Guerrero                              |
| 218     | Hidalgo                               |
| 218     | Jalisco                               |
| 218     | Mexico                                |
| 218     | Michoacan                             |
| 218     | Morelos                               |
| 218     | Nayarit                               |
| 218     | Nuevo Leon                            |
| 218     | Oaxaca                                |
| 218     | Puebla                                |
| 218     | Queretaro                             |
| 218     | Quintana Roo                          |
| 218     | San Luis Potosi                       |
| 218     | Sinaloa                               |
| 218     | Sonora                                |
| 218     | Tabasco                               |
| 218     | Tamaulipas                            |
| 218     | Tlaxcala                              |
| 218     | Vera Cruz                             |

|         |                    |
|---------|--------------------|
| 218     | Yucatan            |
| 218     | Zacatecas          |
| 219-221 | COSTA RICAN        |
| 219     | Costa Rica         |
| 219-221 | Costarricense      |
| 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               |
| 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                    |
| 310-313 | DUTCH WEST INDIES          |
| 310     | DUTCH WEST INDIES          |
| 310     | Black Dutch                |
| 310     | Netherlands Antilles       |
| 311     | ARUBA ISLANDER             |
| 311     | Bonaire Islander           |
| 311     | Curacao Islander           |
| 312-313 | ST. MAARTEN ISLANDER       |
| 312     | Saba Islander              |
| 312-313 | St. Eustatius Islander     |
| 314-316 | TRINIDADIAN TOBAGONIAN     |
| 314     | TRINIDADIAN TOBAGONIAN     |
| 315     | TRINIDADIAN                |
| 316     | TOBAGONIAN                 |
| 317-320 | U.S. VIRGIN ISLANDER       |
| 317     | U.S. VIRGIN ISLANDER       |
| 318     | ST. CROIX ISLANDER         |
| 318     | Crucian                    |
| 318     | Santa Cruz                 |
| 319     | ST. JOHN ISLANDER          |
| 320     | ST. THOMAS ISLANDER        |
| 321-331 | BRITISH WEST INDIES        |
| 321     | BRITISH VIRGIN ISLANDER    |
| 321     | Tortolan                   |
| 321     | Virgin Gorda               |
| 321     | Anegada                    |
| 321     | Jost Van Dyke              |
| 321     | Peter and Norman           |
| 322     | BRITISH WEST INDIAN        |
| 322     | British West Indies        |
| 323     | TURKS AND CAICOS ISLANDER  |
| 324     | ANGUILLA ISLANDER          |
| 325     | ANTIGUA AND BARBUDA        |
| 325     | Antigua                    |
| 325     | Barbuda                    |
| 325     | Redonda Islander           |
| 326     | MONTSERRAT ISLANDER        |
| 327     | KITTS-NEVIS ISLANDER       |
| 327     | St. Christopher Islander   |
| 327     | Sombrero Islander          |
| 327     | St. Kitts                  |
| 327     | Nevis                      |
| 328     | DOMINICA ISLANDER          |
| 329     | GRENADIAN                  |
| 329     | Grenada Islander           |
| 330     | VINCENT-GRENADINE ISLANDER |
| 330     | St. Vincent Island         |
| 330     | Vincentian                 |
| 330     | Grenadines Islander        |
| 331     | ST. LUCIA ISLANDER         |
| 332-334 | FRENCH WEST INDIES         |
| 332     | FRENCH WEST INDIES         |



|         |   |
|---------|---|
| 332     | French West Indian                          |
| 333     | GUADELOUPE ISLANDER                         |
| 333     | Martinicois                                 |
| 333     | Martinique Islander                         |
| 334     | CAYENNE                                     |
| 334     | French Guiana                               |
| 334     | French Guianese                             |
| 334     | Guyane                                      |
| 335     | WEST INDIAN                                 |
| 335     | West Indies                                 |
| 335     | Arawak                                      |
| 335     | Caribs                                      |
| 335     | Caribbean                                   |
| 335     | Garifuna                                    |
| 336-359 | HAITIAN                                     |
| 336-359 | Haiti                                       |
| 360-399 | CENTRAL AND SOUTH AMERICA (EXCEPT HISPANIC) |
| 360-364 | BRAZILIAN                                   |
| 360-364 | Brazil                                      |
| 365-369 | SAN ANDRES                                  |
| 370-374 | GUYANESE                                    |
| 370     | British Guiana                              |
| 370-374 | Guyana                                      |
| 375-379 | PROVIDENCIA                                 |
| 380-399 | SURINAM                                     |
| 380     | Dutch Guiana                                |
| 380-399 | Netherlands Guiana                          |
| 400-499 | NORTH AFRICA AND SOUTHWEST ASIA             |
| 400-401 | ALGERIAN                                    |
| 400-401 | Algeria                                     |
| 402-403 | EGYPTIAN                                    |
| 402     | Copt  |
| 402     | Egypt                                       |
| 402-403 | Fellahin                                    |
| 404-405 | LIBYAN                                      |
| 404-405 | Libya                                       |
| 406-407 | MOROCCAN                                    |
| 406     | MOROCCAN                                    |
| 406     | Moor  |
| 407     | IFNI  |
| 408-410 | TUNISIAN                                    |
| 408-410 | Tunisia                                     |
| 411     | NORTH AFRICAN                               |

|         |                     |
|---------|---------------------|
| 412     | ALHUCEMAS           |
| 412     | Ceuta               |
| 412     | Chafarinas          |
| 412     | Melilla             |
| 413     | BERBER              |
| 414     | RIO DE ORO          |
| 414     | Sagua 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              |
| 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            |
| 500-501 | ANGOLAN                      |
| 500     | Angola                       |
| 500-501 | Cabinda                      |
| 502-503 | BENIN                        |
| 502     | Dahomey                      |
| 502-503 | Fon                          |

|         |                          |
|---------|--------------------------|
| 504-505 | BOTSWANA                 |
| 504-505 | Bechuana                 |
| 506-507 | BURUNDIAN                |
| 506-507 | Urundi                   |
| 508-509 | CAMEROONIAN              |
| 508     | Cameroon                 |
| 508-509 | Fako                     |
| 510-511 | CAPE VERDEAN             |
| 510     | Brava                    |
| 510-511 | Cape Verde Islander      |
| 512     | CENTRAL AFRICAN REPUBLIC |
| 512     | Ubangi Shari             |
| 513-514 | CHADIAN                  |
| 513-514 | Chad                     |
| 515-518 | CONGOLESE                |
| 515     | CONGOLESE                |
| 516-518 | CONGO BRAZZAVILLE        |
| 519     | DJIBOUTI                 |
| 519     | Afars And Issas          |
| 519     | Jibuti                   |
| 520-521 | EQUATORIAL GUINEA        |
| 520     | EQUATORIAL GUINEA        |
| 520     | Rio Muni                 |
| 521     | CORSICO ISLANDER         |
| 521     | Annobon Islander         |
| 521     | Bioko Islander           |
| 521     | Elobeis Islander         |
| 521     | Fernando Po Islander     |
| 522-524 | ETHIOPIAN                |
| 522     | ETHIOPIAN                |
| 522     | Abyssinia                |
| 522     | Ethiopia                 |
| 523-524 | ERITREAN                 |
| 525-526 | GABONESE                 |
| 525-526 | Gabon                    |
| 527-528 | GAMBIAN                  |
| 527-528 | Gambia                   |
| 529     | GHANIAN                  |
| 529     | Ashanti                  |
| 529     | Ghana                    |
| 529     | Gold Coast               |
| 529     | TWI                      |
| 530     | GUINEAN                  |
| 530     | Guinea                   |

|         |                 |
|---------|-----------------|
| 531     | GUINEA BISSAU   |
| 532-533 | IVORY COAST     |
| 534-537 | KENYAN          |
| 534-537 | Kenya           |
| 538-540 | LESOTHO         |
| 538-540 | Basuto          |
| 541-542 | LIBERIAN        |
| 541-542 | Liberia         |
| 543-544 | MADAGASCAN      |
| 543-544 | Madagascar      |
| 545     | MALAWIAN        |
| 545     | Malawi          |
| 546     | MALIAN          |
| 546     | Mali            |
| 547-548 | MAURITANIAN     |
| 547-548 | Mauritania      |
| 549     | MOZAMBICAN      |
| 549     | Mozambique      |
| 550     | NAMIBIAN        |
| 550     | Namibia         |
| 551-552 | NIGER           |
| 553-560 | NIGERIAN        |
| 553     | NIGERIAN        |
| 553     | Nigeria         |
| 554     | FULAH           |
| 554     | Fulani          |
| 555     | HAUSA           |
| 556     | IBO             |
| 557     | TIV             |
| 558-560 | YORUBA          |
| 561-563 | RWANDAN         |
| 561-563 | Rwanda          |
| 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                     |
| 591     | Zaire                              |
| 592     | ZAMBIAN                            |
| 592     | Zambia                             |
| 593     | ZIMBABWEAN                         |
| 593     | Rhodesia                           |
| 593     | Zimbabwe                           |
| 594-595 | AFRICA ISLANDS (EXCEPT MADAGASCAR) |
| 594     | 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. |
| 596     | CENTRAL AFRICAN            |
| 596     | Central Africa             |
| 596     | Middle Congo               |
| 597     | EAST AFRICAN               |
| 597     | East Africa                |
| 597     | Galla                      |
| 597     | Kikuyu                     |
| 597     | Masai                      |
| 598     | 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                      |
| 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             |
| 703-705 | CAMBODIAN        |
| 703     | CAMBODIAN        |
| 703     | Cambodia         |
| 703     | Kampuchea        |
| 704-705 | KHMER            |
|         |                  |
| 706-711 | CHINESE          |
| 706     | CHINESE          |
| 706     | China            |
| 706     | Jehol            |
| 706     | Sino Chinese     |
| 706     | Yao              |
| 707     | CANTONESE        |
| 708     | MANCHURIA        |
| 709-711 | MANDARIN         |



|         |                          |
|---------|--------------------------|
| 712-713 | MONGOLIAN                |
| 712     | Buriat                   |
| 712-713 | Mongolia                 |
| 714-715 | TIBETAN                  |
| 714-715 | Tibet                    |
| 716-717 | HONG KONG                |
| 716     | Hong Kong Chinese        |
| 716     | Eastern Archipelago      |
| 716-717 | Riau Islander            |
| 718-719 | MACAO                    |
| 720-729 | FILIPINO                 |
| 720     | Cebuanos                 |
| 720     | Philippines              |
| 720-729 | Tagalog                  |
| 730-739 | INDONESIAN               |
| 730     | INDONESIAN               |
| 730     | Ascension Islander       |
| 730     | Bangka                   |
| 730     | Billiton                 |
| 730     | Celebes Islander         |
| 730     | Dutch East Indian        |
| 730     | Indonesia                |
| 730     | Molucca Islander         |
| 730     | Portuguese Timor         |
| 730     | Spice Islander           |
| 730-731 | Sulawesi Islander        |
| 732-733 | BORNEO                   |
| 734-735 | JAVA                     |
| 736-739 | SUMATRA                  |
| 740-745 | JAPANESE                 |
| 740     | JAPANESE                 |
| 740     | Japan                    |
| 740     | Nipponese                |
| 741     | ISSEI                    |
| 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      |
| 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                         |
| 815      | TONGAN                              |
| 815      | Tonga                               |
| 816      | TOKELAUAN                           |
| 816      | Tokelau Islander                    |
| 817      | COOK ISLANDER                       |
| 818      | TAHITIAN                            |
| 818      | French Polynesia                    |
| 818      | Society Islander                    |
| 819      | NIUEAN                              |
| 820      | MICRONESIAN                         |
| 820      | Micronesia Islander                 |
| 820      | U.S. Trust Territory of the Pacific |
| 821-822  | GUAMANIAN                           |
| 821      | GUAMANIAN                           |
| 821      | Guam                                |
| 822      | CHAMORRO ISLANDER                   |

|         |                            |
|---------|----------------------------|
| 823     | SAIPANESE                  |
| 823     | Northern Marianas Islander |
| 823     | Saipan Islander            |
| 824     | PALAUAN                    |
| 825     | MARSHALLESE                |
| 825     | Marshall Islander          |
| 826     | KOSRAEAN                   |
| 827     | PONAPEAN (POHNPEIAN)       |
| 827     | Mokilese                   |
| 827     | Ngatikese                  |
| 827     | Pingelapese                |
| 828     | TRUKESE (CHUUKESE)         |
| 828     | Hall Islander              |
| 828     | Mortlockese                |
| 828     | Namanouito                 |
| 828     | Pulapese                   |
| 828     | Pulasukese                 |
| 828     | Pulawatese                 |
| 828     | Tamatamian                 |
| 828     | Ulul                       |
| 829     | YAPESE                     |
| 830     | CAROLINIAN                 |
| 830     | Eauripikese                |
| 830     | Faisian                    |
| 830     | Ifalukese                  |
| 830     | Lamotrekese                |
| 830     | Satawalese                 |
| 830     | Ulithian                   |
| 830     | Woleaian                   |
| 831     | KIRIBATESE                 |
| 831     | Gilbertese                 |
| 832-833 | NAURUAN                    |
| 832     | NAURUAN                    |
| 833     | TARAWA ISLANDER            |
| 834-839 | TINIAN                     |
| 840     | MELANESIAN                 |
| 841-842 | FIJIAN                     |
| 841-842 | Fiji                       |
| 843-844 | NEW GUINEAN                |
| 843     | NEW GUINEAN                |
| 844     | PAPUAN                     |

|         |                       |
|---------|-----------------------|
| 845     | SOLOMON ISLANDER      |
| 845     | British Solomons      |
| 846     | NEW CALEDONIAN        |
| 847-849 | VANUATUAN             |
| 847     | New Hebrides Islander |
| 847-849 | Ni Vanuatu            |
| 850-859 | PACIFIC ISLANDER      |
| 850     | Campbell Islander     |
| 850     | Christmas Islander    |
| 850     | Kermadec Islander     |
| 850     | Midway Islander       |
| 850     | Phoenix Islander      |
| 850-859 | Wake Islander         |
| 860     | PACIFIC               |
| 860     | Oceania               |
| 861     | See SAMOAN (code 814) |
| 862     | CHAMOLINIAN           |
| 863-899 | RESERVE CODE          |
| 864     | RESERVE CODE 1        |
| 865     | RESERVE CODE 2        |
| 866     | RESERVE CODE 3        |
| 867     | RESERVE CODE 4        |
| 868     | RESERVE CODE 5        |
| 869     | RESERVE CODE 6        |
| 870     | RESERVE CODE 7        |
| 871     | RESERVE CODE 8        |
| 872     | RESERVE CODE 9        |
| 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                       |
| 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                    |

|         |                      |
|---------|----------------------|
| 931-932 | Yukon                |
| 933     | NEWFOUNDLAND         |
| 934     | NOVA SCOTIA          |
| 935     | FRENCH CANADIAN      |
| 935     | Canadien             |
| 935     | Franco American      |
| 935     | Quebec               |
| 935     | Quebecois            |
| 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              |
| 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<br>GQ codes |  |
|----------|-----------------------------|--|
| 87-N     | --                          | A. College Quarters Off Campus<br>(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. Federal Detention Centers: 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. Federal Prisons: 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. Halfway Houses: Operated for correctional purposes, including probation and restitution centers, prerelease centers, and community-residential treatment centers.   |
| 27-I     | 27-N                        | 4. Local (County/City) Jails and Other Local Confinement Facilities: 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. Military Stockades, Jails   |

- |      |      |  |
|------|------|--|
| 28-I | 28-N | 6. Police Lockups: 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. State Prisons: 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. Other Types of Correctional Institutions: 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. Agriculture Workers' Dormitories on Farms: Including migratory farm workers' camps on farms, bunkhouses for ranch hands, and other dormitories on farms including those on "tree farms."  |
| 87-N | --   | 2. College Student Dormitories, and Fraternity and Sorority Houses (on campus): Including residential quarters for those in religious orders.  |
| 86-N | --   | 3. Dormitories for Nurses and Interns in General and Military Hospitals  |
| 97-N | --   | 4. Military Quarters on Base: 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. Other Workers' Dormitories: Including logging camps, construction workers' camps, firehouse 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. Runaway, Neglected, and Homeless Children: Including emergency shelters/group homes which provide temporary sleeping facilities for juveniles, see paragraph F2.  |
|      |      | 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.

- |      |      |  |
|------|------|--|
| 62-I | 62-N | 1. Public Ownership  |
|      |      | 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 flop-houses, 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.  |
|      |      | 3. Street Enumeration Predesignated Sites  |
| 84-N | --   | a. Nonstructure locations, other than commerce places: Including street corners, parks, bridges, abandoned and boarded-up buildings, noncommercial campsites ("tent cities"), and similar sites.   |
| 85-N | --   | 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.)
- 16-N -- 3. Mentally Ill
- 17-N -- a. Federal
- 18-N -- b. State
- 19-N -- c. Private
- d. Don't know if public/private ownership (Use only as a last resort if no other type code applies.)
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
- 86-N -- 1. Dormitories for Nurses and Interns in General and Military Hospitals
- 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.
- 54-I 86-N 3. Hospitals for Chronically Ill
- a. Military hospitals or wards for chronically ill
- 55-I 86-N 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.
    - 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.)
- 46-I 46-N  
47-I 47-N  
48-I 48-N  
45-I 45-N
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.
    - 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.)
- 41-I 41-N  
43-I 43-N  
42-I 42-N  
40-I 40-N
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
      - (1) Public ownership
      - (2) Private ownership
      - (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
      - (1) Public ownership
      - (2) Private ownership
      - (3) Don't know if public/private ownership (Use only as a last resort if no other type code applies.)
- 38-I 38-N  
39-I 39-N  
37-I 37-N  
  
35-I 35-N  
36-I 36-N  
34-I 34-N

- 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.)

05-I 05-N 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.)

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.
    - 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
      - a. Barracks, bachelor officers quarters, unaccompanied officer personnel housing, unaccompanied enlisted personnel housing, and similar noninstitutional group living quarters for military personnel
      - b. Transient quarters (noninstitutional) for temporary residents (military or civilian)
      - c. Dormitories for nurses and interns in general military hospitals
      - d. Hospitals or wards for chronically ill
      - e. Stockades and jails
    - 2. Military Ships
  - L. Natural Disaster: Including those temporarily displaced by a natural disaster, such as "Hurricane Hugo."
  - 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.)
  - 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.
  - 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,<br>006-199 | NOT SPANISH/HISPANIC   |
| 000-001<br>006-199  | Not Spanish/Hispanic (FOSDIC circle)<br>Not Spanish/Hispanic |
| 200-209             | SPANIARD   |
| 200                 | Spaniard   |
| 201                 | Andalusian   |
| 202                 | Asturian   |
| 203                 | Castillian   |
| 204                 | Catalonian   |
| 205                 | Balearic Islander  |
| 206                 | Gallego  |
| 207                 | Valencian  |
| 208                 | Canarian   |
| 209                 | Spanish Basque   |
| 002, 210-220        | MEXICAN  |
| 002                 | Mexican (FOSDIC circle)                                      |
| 210                 | Mexican  |
| 211                 | Mexican American   |
| 212                 | Mexicano   |
| 213                 | Chicano  |
| 214                 | La Raza  |
| 215                 | Mexican American Indian                                      |
| 216                 | Reserve Spanish/Hispanic 1                                   |
| 217                 | Reserve Spanish/Hispanic 2                                   |
| 218                 | Mexico   |
| 219                 | Reserve Spanish/Hispanic 3                                   |
| 220                 | Reserve Spanish/Hispanic 4                                   |
| 221-230             | CENTRAL AMERICAN   |
| 221                 | Costa Rican  |
| 222                 | Guatemalan   |
| 223                 | Honduran   |
| 224                 | Nicaraguan   |
| 225                 | Panamanian   |
| 226                 | Salvadoran   |
| 227                 | Central American   |
| 228                 | Central American Indian                                      |



|              |                              |    |
|--------------|------------------------------|----|
| 229          | Canal Zone                   |    |
| 230          | Reserve Spanish/Hispanic     | 5  |
| 231-249      | SOUTH AMERICAN               |    |
| 231          | Argentinean                  |    |
| 232          | Bolivian                     |    |
| 233          | Chilean                      |    |
| 234          | Colombian                    |    |
| 235          | Ecuadorian                   |    |
| 236          | Paraguayan                   |    |
| 237          | Peruvian                     |    |
| 238          | Uruguayan                    |    |
| 239          | Venezuelan                   |    |
| 240          | Reserve Spanish/Hispanic     | 6  |
| 241          | Reserve Spanish/Hispanic     | 7  |
| 242          | Reserve Spanish/Hispanic     | 8  |
| 243          | Reserve Spanish/Hispanic     | 9  |
| 244          | Reserve Spanish/Hispanic     | 10 |
| 245          | Reserve Spanish/Hispanic     | 11 |
| 246          | Reserve Spanish/Hispanic     | 12 |
| 247          | South American Indian        |    |
| 248          | Criollo                      |    |
| 249          | South American               |    |
| 250-260      | LATIN AMERICAN               |    |
| 250          | Latin American               |    |
| 251          | Latin                        |    |
| 252          | Latino                       |    |
| 253          | Reserve Spanish/Hispanic     | 13 |
| 254          | Reserve Spanish/Hispanic     | 14 |
| 255          | Reserve Spanish/Hispanic     | 15 |
| 256          | Reserve Spanish/Hispanic     | 16 |
| 257          | Reserve Spanish/Hispanic     | 17 |
| 258          | Reserve Spanish/Hispanic     | 18 |
| 259          | Reserve Spanish/Hispanic     | 19 |
| 260          | Reserve Spanish/Hispanic     | 20 |
| 003, 261-270 | PUERTO RICAN                 |    |
| 003          | Puerto Rican (FOSDIC circle) |    |
| 261          | Puerto Rican                 |    |
| 262          | Reserve Spanish/Hispanic     | 21 |
| 263          | Reserve Spanish/Hispanic     | 22 |
| 264          | Reserve Spanish/Hispanic     | 23 |
| 265          | Reserve Spanish/Hispanic     | 24 |
| 266          | Reserve Spanish/Hispanic     | 25 |
| 267          | Reserve Spanish/Hispanic     | 26 |
| 268          | Reserve Spanish/Hispanic     | 27 |
| 269          | Reserve Spanish/Hispanic     | 28 |
| 270          | Reserve Spanish/Hispanic     | 29 |
| 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            |
| 286          | Reserve Spanish/Hispanic 43            |
| 287          | Reserve Spanish/Hispanic 44            |
| 288          | Reserve Spanish/Hispanic 45            |
| 289          | 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)

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

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)

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)

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)

821                Offices and clinics of chiropractors (8041)

822-829            Offices and clinics of optometrists (8042)

830                Offices and clinics of health practitioners, n.e.c.  
                    (8043, 8049)

831                Hospitals (806)

832-839            Nursing and personal care facilities (805)

840                Health services, n.e.c. (807, 808, 809)

841                Legal services (81)

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    |
| 601     | JAMAICAN CREOLE    |
| 602     | KRIO               |
| 603     | HAWAIIAN PIDGIN    |
| 604     | PIDGIN             |
| 605     | GULLAH             |
| 606     | SARAMACCA          |
| 607     | GERMAN             |
| 607     | Austrian           |
| 607     | Swiss              |
| 608     | PENNSYLVANIA DUTCH |
| 609     | YIDDISH            |
| 610     | DUTCH              |
| 610     | Flemish            |
| 611     | AFRIKAANS          |
| 612     | FRISIAN            |
| 613     | LUXEMBOURGIAN      |
| 614     | SWEDISH            |
| 615     | DANISH             |
| 616     | NORWEGIAN          |
| 617     | ICELANDIC          |
| 618     | FAROESE            |
| 619     | ITALIAN            |
| 620     | FRENCH             |
| 620     | Walloon            |
| 621     | PROVENCAL          |
| 622     | PATOIS             |
| 623     | FRENCH CREOLE      |
| 623     | Haitian Creole     |
| 624     | CAJUN              |
| 625     | SPANISH            |
| 626     | CATALONIAN         |

|     |                   |
|-----|-------------------|
| 627 | LADINO            |
| 628 | PACHUCO           |
| 629 | PORTUGUESE        |
| 630 | PAPIA MENTAE      |
| 631 | RUMANIAN          |
| 632 | RHAETO-ROMANIC    |
| 632 | Romansch          |
| 633 | WELSH             |
| 634 | BRETON            |
| 635 | IRISH GAELIC      |
| 636 | SCOTTIC GAELIC    |
| 637 | GREEK             |
| 638 | ALBANIAN          |
| 639 | RUSSIAN           |
| 640 | BIELORUSSIAN      |
| 641 | UKRAINIAN         |
| 642 | CZECH             |
| 643 | KASHUBIAN         |
| 644 | LUSATIAN          |
| 644 | Sorbian           |
| 644 | Wendish           |
| 645 | POLISH            |
| 646 | SLOVAK            |
| 647 | BULGARIAN         |
| 648 | MACEDONIAN        |
| 649 | SERBOCROATIAN     |
| 649 | Slavic            |
| 649 | Yugoslav          |
| 650 | CROATIAN          |
| 651 | SERBIAN           |
| 652 | SLOVENE           |
| 653 | LITHUANIAN        |
| 654 | LETTISH           |
| 655 | ARMENIAN          |
| 656 | PERSIAN           |
| 656 | Farsi             |
| 656 | Pushto            |
| 657 | PASHTO            |
| 657 | Afghan            |
| 658 | KURDISH           |
| 659 | BALOCHI           |
| 660 | TADZHIK           |
| 661 | OSSETE            |
| 662 | SANSKRIT          |
| 663 | HINDI AND RELATED |
| 663 | Hindi             |

|     |                        |
|-----|------------------------|
| 663 | India                  |
| 663 | Urdu                   |
| 664 | BENGALI                |
| 665 | PANJABI                |
| 666 | MARATHI                |
| 667 | GUJARATHI              |
| 668 | BIHARI                 |
| 669 | RAJASTHANI             |
| 670 | ORIYA                  |
| 671 | BHILI                  |
| 672 | ASSAMESE               |
| 673 | KASHMIRI               |
| 674 | NEPALI                 |
| 675 | SINDHI                 |
| 676 | MALDIVIAN              |
| 677 | SINHALESE              |
| 678 | ROMANY                 |
| 679 | FINNISH                |
| 680 | ESTONIAN               |
| 681 | LAPP                   |
| 682 | HUNGARIAN              |
| 683 | OTHER URALIC LANGUAGES |
| 683 | Cheremis               |
| 683 | Mordvin                |
| 683 | Samoyed                |
| 683 | Ugric                  |
| 683 | Yenisei                |
| 684 | CHUVASH                |
| 685 | KARAKALPAK             |
| 686 | KAZAKH                 |
| 687 | KIRGHIZ                |
| 688 | KARACHAY               |
| 688 | Tatar                  |
| 689 | UIGHUR                 |
| 689 | Uzbek                  |
| 690 | AZERBAIJANI            |
| 691 | TURKISH                |
| 692 | TURKMEN                |
| 693 | YAKUT                  |
| 694 | MONGOLIAN              |
| 695 | TUNGUS                 |
| 696 | CAUCASIAN              |
| 696 | Avar                   |
| 696 | Georgian               |
| 697 | BASQUE                 |
| 698 | DRAVIDIAN              |
| 699 | BRAHUI                 |
| 700 | GONDI                  |
| 701 | TELUGU                 |

|     |            |
|-----|------------|
| 702 | KANNADA    |
| 703 | MALAYALAM  |
| 704 | TAMIL      |
| 705 | KURUKH     |
| 706 | MUNDA      |
| 707 | BURUSHASKI |
| 708 | CHINESE    |
| 708 | Cantonese  |
| 708 | Yueh       |
| 708 | Min        |
| 709 | HAKKA      |
| 709 | Fukien     |
| 709 | K'echia    |
| 710 | KAN        |
| 710 | Nan Chang  |
| 711 | HSIANG     |
| 711 | Hunan      |
| 712 | MANDARIN   |
| 712 | Honan      |
| 712 | Hopei      |
| 712 | Pei        |
| 713 | FUCHOW     |
| 713 | Min Pei    |
| 714 | FORMOSAN   |
| 714 | Min Nan    |
| 715 | WU         |
| 716 | TIBETAN    |
| 717 | BURMESE    |
| 717 | Tonkin     |
| 718 | KAREN      |
| 719 | KACHIN     |
| 720 | THAI       |
| 720 | Kam        |
| 720 | Lao        |
| 720 | Laotian    |
| 720 | Tung       |
| 721 | MIAO-YAO   |
| 722 | MIAO       |
| 722 | Hmong      |
| 723 | JAPANESE   |
| 724 | KOREAN     |
| 725 | AINU       |

|     |  |
|-----|--|
| 726 | MON-KHMER                                    |
| 726 | Cambodian                                    |
| 726 | Khmer  |
| 726 | Mon  |
| 727 | SIBERIAN LANGUAGES, not elsewhere classified |
| 728 | VIETNAMESE                                   |
| 729 | MUONG  |
| 730 | BUGINESE                                     |
| 731 | MOLUCCAN                                     |
| 732 | INDONESIAN                                   |
| 733 | ACHINESE                                     |
| 734 | BALINESE                                     |
| 735 | CHAM   |
| 736 | JAVANESE                                     |
| 737 | MADURESE                                     |
| 738 | MALAGASY                                     |
| 739 | MALAY  |
| 740 | MINANGKABAU                                  |
| 741 | SUNDANESE                                    |
| 742 | TAGALOG                                      |
| 742 | Filipino                                     |
| 743 | BISAYAN                                      |
| 743 | Ilongo                                       |
| 744 | SEBUANO                                      |
| 745 | PANGASINAN                                   |
| 746 | ILOCANO                                      |
| 746 | Igorot                                       |
| 747 | BIKOL  |
| 748 | PAMPANGAN                                    |
| 749 | GORONTALO                                    |
| 750 | MICRONESIAN                                  |
| 751 | CAROLINIAN                                   |
| 752 | CHAMORRO                                     |
| 753 | GILBERTESE                                   |
| 754 | KUSAIEAN                                     |
| 755 | MARSHALLESE                                  |
| 756 | MOKILESE                                     |
| 757 | MORTLOCKESE                                  |
| 758 | NAURUAN                                      |
| 759 | PALAU  |
| 760 | PONAPEAN                                     |
| 761 | TRUKESE                                      |
| 762 | ULITHEAN                                     |
| 763 | WOLEAI-ULITHI                                |
| 763 | Eauripik                                     |
| 763 | Ifaluk                                       |
| 764 | YAPESE                                       |

|     |  |
|-----|--|
| 765 | INDO-PACIFIC LANGUAGES, not elsewhere classified |
| 765 | Melanesian                                       |
| 766 | POLYNESIAN                                       |
| 767 | SAMOAN   |
| 768 | TONGAN   |
| 769 | NIUEAN   |
| 770 | TOKELAUAN  |
| 771 | FIJIAN   |
| 772 | MARQUESAN  |
| 773 | RAROTONGAN                                       |
| 774 | MAORI  |
| 775 | NUKUORO  |
| 776 | HAWAIIAN   |
| 777 | ARABIC   |
| 778 | HEBREW   |
| 779 | SYRIAC   |
| 779 | Aramaic  |
| 779 | Assyrian   |
| 779 | Chaldean   |
| 780 | AMHARIC  |
| 780 | Tigre  |
| 781 | BERBER   |
| 782 | CHADIC   |
| 782 | Hamitic  |
| 782 | Hausa  |
| 783 | CUSHITE  |
| 783 | Beja   |
| 783 | Somali   |
| 784 | SUDANIC  |
| 784 | Dinka  |
| 784 | Gambai   |
| 784 | Sudanese   |
| 785 | NILOTIC  |
| 785 | Acholi   |
| 785 | Luo  |
| 785 | Nuer   |
| 786 | NILO-HAMITIC                                     |
| 786 | Bari   |
| 786 | Masai  |
| 787 | NUBIAN   |
| 788 | SAHARAN  |
| 789 | NILO-SAHARAN                                     |
| 789 | Fur  |
| 789 | Songhai  |

|     |                                |
|-----|--------------------------------|
| 790 | KHOISAN                        |
| 790 | Bushman                        |
| 791 | SWAHILI                        |
| 792 | BANTU                          |
| 792 | Bembe                          |
| 792 | Botswana                       |
| 792 | Chaga                          |
| 792 | Fan                            |
| 792 | Kikuyu                         |
| 792 | Kongo                          |
| 792 | Luganda                        |
| 792 | Naebele                        |
| 792 | Xhosa                          |
| 792 | Zulu                           |
| 793 | MANDE                          |
| 793 | Kpelle                         |
| 793 | Mandingo                       |
| 794 | FULANI                         |
| 795 | GUR                            |
| 795 | Dagomba                        |
| 796 | KRU                            |
| 796 | Damomeen                       |
| 796 | Egbo                           |
| 796 | Ibo                            |
| 796 | Nigerian                       |
| 796 | Yoruba                         |
| 797 | EFIK                           |
| 797 | Ibibio                         |
| 798 | MBUM AND RELATED               |
| 799 | AFRICAN, not further specified |
| 800 | ALEUT                          |
| 801 | PACIFIC GULF YUPIK             |
| 801 | Pacific Eskimo                 |
| 802 | ESKIMO                         |
| 803 | INUPIK                         |
| 803 | Inuit                          |
| 804 | SAINT LAWRENCE ISLAND YUPIK    |
| 805 | YUPIK                          |
| 806 | ALGONQUIAN                     |
| 807 | ARAPAHO                        |
| 808 | ATSINA                         |
| 808 | Gros Ventre                    |
| 809 | BLACKFOOT                      |

|         |                |
|---------|----------------|
| 810     | CHEYENNE       |
| 811     | CREE           |
| 812     | DELAWARE       |
| 812     | Lenni-Lenape   |
| 813     | FOX            |
| 813     | Sac            |
| 814     | KICKAPOO       |
| 815     | MENOMINI       |
| 816     | FRENCH CREE    |
| 816     | Metis          |
| 817     | MIAMI          |
| 818     | MICMAC         |
| 819     | OJIBWA         |
| 819     | Chippewa       |
| 820     | OTTAWA         |
| 821     | PASSAMAQUODDY  |
| 821     | Malecite       |
| 822     | PENOBSCOT      |
| 823     | ABNAKI         |
| 824     | POTAWATOMI     |
| 825     | SHAWNEE        |
| 826     | WIYOT          |
| 827     | YUROK          |
| 828     | KUTENAI        |
| 829     | MAKAH          |
| 830     | KWAKIUTL       |
| 830     | Quileute       |
| 831-832 | NOOTKA         |
| 833     | LOWER CHEHALIS |
| 834     | UPPER CHEHALIS |
| 834     | Chehalis       |
| 834     | Satsop         |
| 835     | CLALLAM        |
| 836     | COEUR D'ALENE  |
| 836     | Skitsamish     |
| 837     | COLUMBIA       |
| 837     | Chelan         |
| 837     | Wenatchee      |
| 838     | COWLITZ        |
| 839     | SALISH         |
| 839     | Flathead       |



|     |                                 |
|-----|---------------------------------|
| 840 | NOOTSACK                        |
| 841 | OKANOGAN                        |
| 842 | PUGET SOUND SALISH              |
| 842 | Duwamish                        |
| 842 | Nisqualli                       |
| 842 | Puyallup                        |
| 842 | Skagit                          |
| 842 | Snohomish                       |
| 842 | Suquamish                       |
| 843 | QUINAULT                        |
| 843 | Queets                          |
| 844 | TILLAMOOK                       |
| 845 | TWANA                           |
| 846 | HAIDA                           |
| 847 | ATHAPASCAN                      |
| 848 | AHTENA                          |
| 849 | HAN                             |
| 850 | INGALIT                         |
| 851 | KOYUKON                         |
| 852 | KUCHIN                          |
| 853 | UPPER KUSKOKWIM                 |
| 854 | TANAINA                         |
| 855 | TANANA                          |
| 855 | Minto                           |
| 856 | TANACROSS                       |
| 857 | UPPER TANANA                    |
| 857 | Nabesna                         |
| 857 | Tetlin                          |
| 858 | TUTCHONE                        |
| 859 | CHASTA COSTA                    |
| 859 | Chetco                          |
| 859 | Coquille                        |
| 859 | Smith River Athapascan          |
| 860 | HUPA                            |
| 861 | OTHER ATHAPASCAN-EYAK LANGUAGES |
| 861 | Cahto                           |
| 861 | Mattole                         |
| 861 | Wailaki                         |
| 862 | APACHE                          |
| 863 | KIOWA                           |
| 864 | NAVAHO                          |
| 865 | EYAK                            |
| 866 | TLINGIT                         |
| 866 | Chilkat                         |

|     |                       |
|-----|-----------------------|
| 866 | Sitka                 |
| 866 | Tongass               |
| 866 | Yakutat               |
| 867 | MOUNTAIN MAIDU        |
| 867 | Maidu                 |
| 868 | NORTHWEST MAIDU       |
| 868 | Concow                |
| 869 | SOUTHERN MAIDU        |
| 869 | Nisenan               |
| 870 | COAST MIWOK           |
| 870 | Bodega                |
| 870 | Marin                 |
| 871 | PLAINS MIWOK          |
| 872 | SIERRA MIWOK          |
| 872 | Miwok                 |
| 873 | NOMLAKI               |
| 873 | Tehama                |
| 874 | PATWIN                |
| 874 | Colouse               |
| 874 | Suisun                |
| 875 | WINTUN                |
| 876 | FOOTHILL NORTH YOKUTS |
| 877 | TACHI                 |
| 878 | SANTIAM               |
| 878 | Calapooya             |
| 878 | Wapatu                |
| 879 | SIUSLAW               |
| 879 | Coos                  |
| 879 | Lower Umpqua          |
| 880 | KLAMATH               |
| 880 | Modoc                 |
| 881 | NEZ PERCE             |
| 882 | SAHAPTIAN             |
| 882 | Celilo                |
| 882 | Klikitat              |
| 882 | Palouse               |
| 882 | Tenino                |
| 882 | Umatilla              |
| 882 | Warm Springs          |
| 882 | Yakima                |
| 883 | UPPER CHINOOK         |
| 883 | Chinook               |
| 883 | Clackamas             |

|     |                   |
|-----|-------------------|
| 883 | Multnomah         |
| 883 | Wasco             |
| 883 | Wishram           |
| 884 | TSIMSHIAN         |
| 885 | ACHUMAWI          |
| 886 | ATSUGEWI          |
| 887 | KAROK             |
| 888 | POMO              |
| 889 | SHASTAN           |
| 890 | WASHO             |
| 891 | UP RIVER YUMAN    |
| 892 | COCOMARICOPA      |
| 893 | MOHAVE            |
| 894 | YUMA              |
| 895 | DIEGUENO          |
| 896 | DELTA RIVER YUMAN |
| 897 | UPLAND YUMAN      |
| 898 | HAVASUPAI         |
| 899 | WALAPAI           |
| 900 | YAVAPAI           |
| 901 | CHUMASH           |
| 902 | TONKAWA           |
| 903 | YUCHI             |
| 904 | CROW              |
| 904 | Absaroke          |
| 905 | HIDATSA           |
| 906 | MANDAN            |
| 907 | DAKOTA            |
| 907 | Brule             |
| 907 | Lakota            |
| 907 | Oglala            |
| 907 | Sioux             |
| 908 | CHIWERE           |
| 909 | WINNEBAGO         |
| 910 | KANSA             |
| 910 | Kaw               |
| 911 | OMAHA             |
| 912 | OSAGE             |
| 913 | PONCA             |
| 914 | QUAPAW            |
| 914 | Arkansas          |
| 915 | ALABAMA           |
| 916 | CHOCTAW           |
| 916 | Chickasaw         |
| 917 | MIKASUKI          |

|     |                     |
|-----|---------------------|
| 918 | HICHITA             |
| 918 | Apalachicola        |
| 919 | KOASATI             |
| 920 | MUSKOGEE            |
| 920 | Creek               |
| 920 | Seminole            |
| 921 | CHETEMACHA          |
| 922 | YUKI                |
| 923 | WAPPO               |
| 924 | KERES               |
| 925 | IROQUOIS            |
| 926 | MOHAWK              |
| 927 | ONEIDA              |
| 928 | ONONDAGA            |
| 929 | CAYUGA              |
| 930 | SENECA              |
| 931 | TUSCARORA           |
| 932 | WYANDOT             |
| 932 | Huron               |
| 933 | CHEROKEE            |
| 934 | ARIKARA             |
| 935 | CADDO               |
| 936 | PAWNEE              |
| 937 | WICHITA             |
| 938 | COMANCHE            |
| 939 | MONO                |
| 939 | Owens Valley Paiute |
| 940 | PAIUTE              |
| 941 | NORTHERN PAIUTE     |
| 941 | Bannock             |
| 941 | Num                 |
| 941 | Snake               |
| 942 | SOUTHERN PAIUTE     |
| 943 | CHEMEHUEVI          |
| 944 | KAWAIISU            |
| 945 | UTE                 |
| 946 | SHOSHONI            |
| 947 | PANAMINT            |
| 948 | HOPI                |
| 949 | CAHUILLA            |
| 950 | CUPENO              |
| 951 | LUISENO             |
| 952 | SERRANO             |
| 953 | TUBATULABAL         |
| 954 | PIMA                |
| 954 | Papago              |
| 955 | YAQUI               |

|         |                                   |
|---------|-----------------------------------|
| 956     | AZTECAN                           |
| 956     | Mexicano                          |
| 956     | Nahua                             |
| 957-958 | SONORAN, not elsewhere classified |
| 957     | Cahita                            |
| 957     | Guasave                           |
| 957     | Huichole                          |
| 957     | Nayit                             |
| 957-958 | Tarahumara                        |
| 959     | PICURIS                           |
| 959     | Northern Tiwa                     |
| 959     | Taos                              |
| 960     | TIWA                              |
| 960     | Isleta                            |
| 960     | Ysleta                            |
| 961     | SANDIA                            |
| 962     | TEWA                              |
| 962     | Hano                              |
| 962     | Hopi-Tewa                         |
| 962     | San Ildefonso                     |
| 962     | San Juan                          |
| 962     | Santa Clara                       |
| 963     | TOWA                              |
| 964     | ZUNI                              |
| 965     | CHINOOK JARGON                    |
| 966     | AMERICAN INDIAN                   |
| 967     | MISUMALPAN                        |
| 967     | Matagalpa                         |
| 967     | Miskito                           |
| 967     | Sumu                              |
| 968     | MAYAN LANGUAGES                   |
| 968     | Cakchiquel                        |
| 968     | Chol                              |
| 968     | Guastec                           |
| 968     | Guatemala                         |
| 968     | Ixil                              |
| 968     | Kechi                             |
| 968     | Mam                               |
| 968     | Maya                              |
| 968     | Queche                            |
| 968     | Yucateca                          |
| 969     | TARASCAN                          |
| 970     | MAPUCHE                           |
| 970     | Araucanian                        |
| 970     | Chilote                           |

|         |                                |
|---------|--------------------------------|
| 971     | OTO-MANGUEN                    |
| 971     | Ixatec                         |
| 971     | Mixtec                         |
| 971     | Otomi                          |
| 971     | Popoloc                        |
| 971     | Zapoteca                       |
| 972     | QUECHUA                        |
| 973     | AYMARA                         |
| 974     | ARAWAKIAN                      |
| 974     | Araua                          |
| 974     | Carib                          |
| 974     | Guajiro                        |
| 974     | Kitemoca                       |
| 974     | Tatu                           |
| 975     | CHIBCHAN                       |
| 975     | Boruca                         |
| 975     | Cuna                           |
| 975     | Guaymi                         |
| 975     | Ica                            |
| 976     | TUPI-GUARANI                   |
| 976     | Guajibo                        |
| 976     | Guarani                        |
| 976     | Siriono                        |
| 977     | JICARILLA                      |
| 977     | Lipan                          |
| 978     | CHIRICAHUA                     |
| 978     | Mescalero                      |
| 979     | SAN CARLOS                     |
| 979     | Cibecue                        |
| 979     | San Carlos                     |
| 979     | San Carlos Apache              |
| 979     | White Mountain                 |
| 980     | KIOWA-APACHE                   |
| 981     | KALISPEL                       |
| 982     | SPOKANE                        |
| 983-998 | LANGUAGE SPECIFIED, NOT LISTED |
| 999     | NOT REPORTED                   |

#### 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)

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)  
 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)  
 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)

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)

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)

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)

473-476 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)  
 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  
 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)

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 Laundering 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  
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)  
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     | Alabama              |
| 002-003 | Alaska               |
| 004     | Arizona              |
| 005     | Arkansas             |
| 006-007 | California           |
| 008     | Colorado             |
| 009     | Connecticut          |
| 010     | Delaware             |
| 011     | District of Columbia |
| 012     | Florida              |
| 013-014 | Georgia              |
| 015     | Hawaii               |
| 016     | Idaho                |
| 017     | Illinois             |
| 018     | Indiana              |
| 019     | Iowa                 |
| 020     | Kansas               |
| 021     | Kentucky             |
| 022     | Louisiana            |
| 023     | Maine                |
| 024     | Maryland             |
| 025     | Massachusetts        |
| 026     | Michigan             |
| 027     | Minnesota            |
| 028     | Mississippi          |
| 029     | Missouri             |
| 030     | Montana              |
| 031     | Nebraska             |
| 032     | Nevada               |
| 033     | New Hampshire        |
| 034     | New Jersey           |

|         |  |
|---------|--|
| 035     | New Mexico                             |
| 036     | New York                               |
| 037     | North Carolina                         |
| 038     | North Dakota                           |
| 039     | Ohio                                   |
| 040     | Oklahoma                               |
| 041     | Oregon                                 |
| 042-043 | Pennsylvania                           |
| 044     | Rhode Island                           |
| 045     | South Carolina                         |
| 046     | South Dakota                           |
| 047     | Tennessee                              |
| 048     | Texas                                  |
| 049     | Utah                                   |
| 050     | Vermont                                |
| 051-052 | Virginia                               |
| 053     | Washington                             |
| 054     | West Virginia                          |
| 055     | Wisconsin                              |
| 056-059 | Wyoming                                |
|         |  |
| 060-099 | U.S. Outlying Areas and<br>Puerto Rico |
| 060-065 | American Samoa                         |
| 066     | Guam                                   |
| 067-068 | Johnston Atoll                         |
| 069-070 | Northern Mariana Islands               |
| 071     | Midway Islands                         |
| 072-075 | Puerto Rico                            |
| 076-077 | Navassa Island                         |
| 078     | U.S. Virgin Islands                    |
| 079-080 | Wake Island                            |
| 081-083 | Baker Island                           |
| 084-085 | Howland Island                         |
| 086-088 | Jarvis Island                          |
| 089-094 | Kingman Reef                           |
| 095     | Palmyra Atoll                          |
| 096-099 | U.S. territory, not specified          |
|         |  |
| 100-199 | Europe                                 |
| 100     | Albania                                |
| 101     | Andorra                                |
| 102     | Austria                                |
| 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                                    |
| 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  
252 Middle East, not specified  
253 Palestine, not specified  
254 Persian Gulf States, not specified  
255 Southeast Asia, not specified  
256-299 West Bank

300-399 America

300-309 North America  
300 Bermuda  
301 Canada  
302 Greenland  
303 St. Pierre and Miquelon

304-309 North America, not specified

310-329 Central America  
310 Belize  
311 Costa Rica  
312 El Salvador  
313 Guatemala  
314 Honduras  
315 Mexico  
316 Nicaragua  
317 Panama  
318-329 Central America, not specified

330-374 Caribbean  
330 Anguilla  
331 Antigua and Barbuda  
332 Aruba  
333 Bahamas  
334 Barbados  
335 British Virgin Islands  
336 Cayman Islands  
337 Cuba  
338 Dominica  
339 Dominican Republic  
340 Grenada  
341 Guadeloupe  
342 Haiti  
343 Jamaica  
344 Martinique  
345 Montserrat  
346 Netherlands Antilles  
347 St. Barthelemy  
348 St. Kitts-Nevis  
349 St. Lucia  
350 St. Vincent and the Grenadines  
351 Trinidad and Tobago  
352 Turks and Caicos Islands  
353 Caribbean, not specified  
354 Antilles, not specified  
355 British West Indies, not specified  
356 Latin America, not specified  
357 Leeward Islands, not specified  
358 West Indies, not specified  
359-374 Windward Islands, not specified

375-399 South America  
375 Argentina  
376 Bolivia  
377 Brazil  
378 Chile  
379 Colombia  
380 Ecuador  
381 Falkland Islands  
382 French Guiana  
383 Guyana  
384 Paraguay  
385 Peru



386 Suriname  
387 Uruguay  
388 Venezuela  
389-399 South America, not specified

400-499 Africa  
400 Algeria  
401 Angola  
402 Bassas da India  
403 Benin  
404 Botswana  
405 British Indian Ocean Territory  
406 Burkina Faso  
407 Burundi  
408 Cameroon  
409 Cape Verde  
410 Central African Republic  
411 Chad  
412 Comoros  
413 Congo  
414 Djibouti  
415 Egypt  
416 Equatorial Guinea  
417 Ethiopia  
418 Europa Island  
419 Gabon  
420 Gambia  
421 Ghana  
422 Glorioso Islands  
423 Guinea  
424 Guinea-Bissau  
425 Ivory Coast  
426 Juan de Nova Island  
427 Kenya  
428 Lesotho  
429 Liberia  
430 Libya  
431 Madagascar  
432 Malawi  
433 Mali  
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

500-553 Oceania  
500 Ashmore and Cartier Islands  
501 Australia  
502 Christmas Island, Indian Ocean  
503 Clipperton Island  
504 Cocos Islands  
505 Cook Islands  
506 Coral Sea Islands  
507 Fiji  
508 French Polynesia  
509 Kiribati  
510 Marshall Islands  
511 Micronesia  
512 Nauru  
513 New Caledonia  
514 New Zealand  
515 Niue  
516 Norfolk Island  
517 Palau  
518 Papua New Guinea  
519 Pitcairn Islands  
520 Solomon Islands  
521 Tokelau  
522 Tonga  
523 Tuvalu  
524 Vanuatu  
525 Wallis and Futuna Islands  
526 Western Samoa  
527 Oceania, not specified  
528 Polynesia, not specified  
529-549 Melanesia, not specified  
550 Antarctica  
551 Bouvet Island

552 French Southern and Antarctic Lands  
553 Heard and McDonald Islands

554-999 At Sea/Abroad, Not Specified  
554 At sea  
555-999 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                |
| 049 | Port Madison           |
| 050 | Quinalt                |
| 051 | Quileute               |
| 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 | Cuyapaibe              |

|     |                     |
|-----|---------------------|
| 093 | Diegueno            |
| 094 | Digger              |
| 095 | Gabrieleno          |
| 096 | Hoopa               |
| 097 | Inaja Cosmit        |
| 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                     |
| 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                  |
| 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     | Sandia                    |
| 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  |
| 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  
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  
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              |    |
| 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  
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  
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

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 Samoan  
656 Tahitian  
657 Tongan  
658 Polynesian  
659 Tokelauan  
978 Hawaiian (FOSDIC circle)  
983 Samoan (FOSDIC circle)

660-675, 984 Micronesian  
660 Guamanian  
661 Mariana Islander  
662 Marshallese  
663 Palauan  
664 Bikinian

665 Carolinian  
666 Eniwetok  
667 Kosraean  
668 Kwajalein  
669 Micronesian  
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) |
| 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     | Paraguay                |
| 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                               |    |
| 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           |  |

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

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 Malayan  
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  
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

**APPENDIX I**  
**CD-ROM Technical Information(1)**

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| Technical Documentation-----    | I--3 |

EQUIPMENT

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

SOFTWARE

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

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

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

CD-ROM Extensions

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

The first step, if you are installing extensions without the aid of an automatic set-up program, is usually installing the device driver program and MSCDEX. EXE on your bootable disk. For computers containing a hard drive, this usually means drive C. The name of the device driver program varies from one version of extensions to another; one common practice of software developers is to name it after the brand of CD-ROM drive that it supports, e. g. , HITACHI. SYS. The device driver program and MSCDEX are

frequently set up in separate subdirectories; however, this practice is not universal.

The next step is to add a line to the CONFIG. SYS file to identify the device driver program. This line typically looks something like this:

```
DEVICE=\path\driver name/D:\driver alias/N:#
```

For example: device=\dev\HITACHI. SYS/D:MSCD001/N:1

The driver name (e. g. , HITACHI. SYS) and the driver alias should be provided by the set-up program or in the instructions that accompany the floppy disk containing the extensions software. The symbol # at the end of the line should be replaced with the number of CD-ROM drives (up to 4) that will be hooked up to the microcomputer.

The third step is to add a line to the AUTOEXEC. BAT file for running MSCDEX. EXE and assigning a letter to your CD-ROM drive. Depending on your system configuration you may opt to set up one or more batch files to accomplish the same purpose. If you add a line to the AUTOEXEC. BAT file, it will probably look something like this:

```
\path\MSCDEX. EXE/D:driver alias/M:8/L:L
```

For example: \BIN\MSCDEX. EXE/D:MSCD001/M:12/L:L

The driver alias, which is really the name that your system will use to identify the device driver, should be the same one that is named in your CONFIG. SYS file.

The number following M: is the number of memory buffers allocated (usually 8, but sometimes more). The last letter, following the L:; designates the letter assigned to the CD-ROM drive.

Though the final step is simple, it's also easy to overlook. You must reboot the system in order to activate the changes that you've made to your CONFIG. SYS and AUTOEXEC. BAT.

Once properly installed, the device behaves much like a read-only floppy diskette drive, and simple MS-DOS commands such as DIR are possible. If the computer reports that the CD-ROM is "not High Sierra," you must first upgrade your Microsoft CD-ROM Extensions software to version 2. 0 or later.

#### Data Retrieval Software

This CD-ROM contains data retrieval software. This software was developed and tested on a COMPAQ Deskpro 286 with 640K RAM operating under MS-DOS 3.31. The software was compiled with Clipper (Summer '87). There are no special display requirements. Please note that the retrieval software will only run on IBM-compatibles operating under MS-DOS.

To execute, type GO at the DOS prompt and ENTER.

Example: L:\>go

The data on the CD-ROM are in dBase III+™ format. Data in dBase III+ format are recognized by many software packages including dBaseIV™,

Foxbase™, Clipper™, SupercalcV™, Quattro Pro™, and VP-Planner™.

Users of other types of systems, such as the Apple Macintosh, have access to the files through support for ISO 9660 CD-ROMs.

#### CONVERTING TO ASCII FILES

Users without database management software who wish to convert the files to ASCII can follow the code found in the README file on the CD-ROM.

#### TECHNICAL DOCUMENTATION

The DOCUMENT directory on the CD-ROM contains sections of the Summary Tape File 3 technical documentation in a series of ASCII text files. These are as follows:

|              |   |
|--------------|---|
| ROSTER_P.ASC | Roster Page                                   |
| ACKNOW.ASC   | Acknowledgments                               |
| CONTENTS.ASC | Contents                                      |
| ABST_S3.ASC  | Abstract                                      |
| HOWTOUSE.ASC | How to Use the File                           |
| SUB_LOC.ASC  | Subject Locator                               |
| LIST_TBL.ASC | List of Tables                                |
| TBL_OUT.ASC  | Table Outlines                                |
| SUM_LEV.ASC  | Summary Level Sequence Chart                  |
| USERNOTE.ASC | User Notes Explanation and Notes              |
| IDEN_FTN.ASC | Identification Section of the Data Dictionary |
| TBL_MTX.ASC  | Table (Matrix) Section of the Data Dictionary |
| APPEND_A.ASC | Appendix A Area Classifications               |
| APPEND_B.ASC | Appendix B Subject Characteristics            |
| APPEND_C.ASC | Appendix C Accuracy of the Data               |
| APPEND_D.ASC | Appendix D Procedures                         |
| APPEND_E.ASC | Appendix E Facsimiles of Instructions         |
| APPEND_F.ASC | Appendix F Data Products and User Assistance  |
| APPEND_G.ASC | Appendix G Maps (Text only)                   |
| APPEND_H.ASC | Appendix H Code Lists                         |
| APPEND_I.ASC | Appendix I CD-ROM Technical Information       |

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#### Figure 4. Reference Files

STF1STRU.DBF This file describes the structure of the 67 identification fields in the STF300 segment. This is in the format of a dBASE III extended structure which has been expanded to include brief field descriptions.

Structure for database: stf300.dbf  
Number of data records: 67

| Field       | Field Name | Type      | Width | Dec |
|-------------|------------|-----------|-------|-----|
| 1           | FIELD_NAME | Character | 10    |     |
| 2           | FIELD_TYPE | Character | 1     |     |
| 3           | FIELD_LEN  | Numeric   | 3     |     |
| 4           | FIELD_DEC  | Numeric   | 3     |     |
| 5           | FIELD_TEXT | Character | 60    |     |
| ** Total ** |            |           | 78    |     |

TABLES.DBF This file describes the numeric data tables.

Structure for database: tables.dbf  
 Number of data records: 4,756

| Field       | Field Name | Type      | Width | Dec |
|-------------|------------|-----------|-------|-----|
| 1           | TABLE      | Character | 6     |     |
| 2           | FIELD      | Character | 10    |     |
| 3           | TEXT       | Character | 68    |     |
| 4           | SEGMENT    | Character | 6     |     |
| ** Total ** |            |           | 91    |     |

CNAMESSs.DBF This file contains a list of county names and FIPS county codes for State ss.

Structure for database

| Field       | Field Name | Type      | Width | Dec |
|-------------|------------|-----------|-------|-----|
| 1           | CNTY       | Character | 3     |     |
| 2           | ANPSADPI   | Character | 66    |     |
| ** Total ** |            |           | 91    |     |

\DOCUMENT Directory of technical documentation files in ASCII text format.

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#### Figure 5. Index Files

TABLES.NDX This is a dBASE III index file for TABLES.DBF. The key field is TABLE.

The following dBASE index files are for STF3??ss.DBF.

STF3AMss.NDX The key fields are SUMLEV + CNTY + COUSUBFP + PLACEFP + TRACTBNA + BLCKGR.

STF1APss.NDX The key fields are SUMLEV + PLACEFP.

STF3ATss.NDX The key fields are SUMLEV + CNTY + TRACTBNA + BLCKGR.

STF3ALss.NDX The key fields are SUMLEV + left(ANPSADPI,1).

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(1) Portions of this appendix are adapted from Administrative Notes, the Newsletter of the Federal Depository Library Program (May 22, 1989).