

# 1990 Census of Population and Housing Equal Employment Opportunity File on CD-ROM Technical Documentation

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1990 Census of  
Population and Housing

CENSUS '90



# Equal Employment Opportunity (EEO) File *on CD-ROM*

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# ACKNOWLEDGMENTS

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Population and Housing

**Equal  
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on *CD-ROM***

**TECHNICAL  
DOCUMENTATION**

Issued September 1992



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**for Economic Affairs**  
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**Economics and Statistics  
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**J. Antonio Villamil**, Under Secretary  
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# ABSTRACT

*The user should note that there are limitations to many of these data. Please refer to the technical documentation provided with the 1990 Census of Population and Housing, Equal Employment Opportunity (EEO) file on CD-ROM for a further explanation on the limitations of the data.*

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## TYPE OF FILE

Summary statistics.

## UNIVERSE DESCRIPTION

All persons in the civilian labor force in the United States.

## SUBJECT MATTER DESCRIPTION

The 1990 Census Equal Employment Opportunity (EEO) File on CD-ROM is based on civilian labor force data from the 1990 decennial census. The file contains two sample-based sets of tabulations. The first set is a cross-tabulation of a detailed census occupation distribution by sex, race, and Hispanic origin. The second set shows educational attainment for selected age groupings, by sex, race, and Hispanic origin.

The format of the 1990 EEO File is somewhat different from the 1980 version. Each record contains all occupation and educational attainment categories by sex, race, and Hispanic origin. Shown below is an example of how the data are sorted for each geographic unit, that is, for the United States, each State and the District of Columbia, each county, metropolitan area, place of 50,000 or more persons within each State, and for 12 States, minor civil divisions of 50,000 or more persons.

The file will contain data for two sets of three tables (six altogether).

1. Detailed Occupation by Sex  
*Universe: Civilian Labor Force*  
Legislators (001-003):  
Male  
Female  
Chief executives and general administrators, public administration (004):  
(Repeat SEX)  
(For each occupation repeat Sex)
2. Detailed Occupation by Sex by Hispanic Origin and Race  
*Universe: Civilian Labor Force*  
Legislators (001-003):  
Male:  
Hispanic origin  
White, not of Hispanic origin  
Black, not of Hispanic origin  
American Indian, Eskimo, or Aleut, not of Hispanic origin  
Asian or Pacific Islander, not of Hispanic origin  
Other race, not of Hispanic origin  
Female:  
(Repeat Hispanic origin and Race)  
Chief executives and general administrators, public administration (004):  
(Repeat Sex by Hispanic origin and Race)  
(For each occupation repeat Sex by Hispanic origin and Race)
3. Detailed Occupation by Sex by Race  
*Universe: Civilian Labor Force*  
Legislators (001-003):  
Male:  
White  
Black  
American Indian, Eskimo, or Aleut  
Asian or Pacific Islander  
Other Race  
Female:  
(Repeat Race)  
Chief executives and general administrators, public administration (004):  
(Repeat Sex by Race)  
(For each occupation repeat Sex by Race)

4. Educational Attainment by Sex

*Universe: Civilian Labor Force*

Not high school graduate:

Male

Female

High school graduate:

(Includes equivalency)

(Repeat Sex)

Some college or associate degree:

(Repeat Sex)

Bachelor's degree:

(Repeat Sex)

Graduate or professional degree:

(Repeat Sex)

20 to 24 years:

(Repeat Sex by Race)

25 to 29 years:

(Repeat Sex by Race)

30 to 34 years:

(Repeat Sex by Race)

35 to 39 years:

(Repeat Sex by Race)

40 to 69 years:

(Repeat Sex by Race)

70 years and over:

(Repeat Sex by Race)

(For each education category repeat Age by Sex by Race.)

5. Educational Attainment by Age by Sex by

Hispanic Origin and Race

*Universe: Civilian Labor Force*

Not high school graduate:

16 to 19 years:

Male:

Hispanic origin

White, not of Hispanic origin

Black, not of Hispanic origin

American Indian, Eskimo, or

Aleut, not of Hispanic origin

Asian or Pacific Islander, not

of Hispanic origin

Other race, not of Hispanic origin

Female:

(Repeat Hispanic origin and Race)

20 to 24 years:

(Repeat Sex by Hispanic origin and Race)

25 to 29 years:

(Repeat Sex by Hispanic origin and Race)

30 to 34 years:

(Repeat Sex by Hispanic origin and Race)

35 to 39 years:

(Repeat Sex by Hispanic origin and Race)

40 to 69 years:

(Repeat Sex by Hispanic origin and Race)

70 years and over:

(Repeat Sex by Hispanic origin and Race)

(For each education category repeat Age by Sex by Hispanic origin and Race)

6. Educational Attainment by Age by Sex by Race

*Universe: Civilian Labor Force*

Not high school graduate:

16 to 19 years:

Male:

White

Black

American Indian, Eskimo, or

Aleut

Asian or Pacific Islander

Other race

Female:

(Repeat Race)

All tables in this file present data for the entire civilian labor force. In tables 1-3, occupation data will be available only for the "recent-experienced" civilian labor force (defined as persons employed in 1990 or unemployed having civilian work experience between 1985-1990). All remaining persons in the civilian labor force are in the residual line "unemployed with no civilian work experience since 1985." This line includes all persons who reported themselves as unemployed in 1990 and one of the following: (1) their last job since 1985 was in the Armed Forces and they had a uniquely military occupation; or (2) they last worked in 1984 or earlier; or (3) they reported that they had never worked.

## GEOGRAPHIC COVERAGE

Tables are provided for the United States; all States and the District of Columbia; all counties and statistically equivalent entities; all metropolitan statistical areas (MSA's), consolidated metropolitan statistical areas (CMSA's), and primary metropolitan statistical areas (PMSA's); all places with a population of 50,000 or more (both incorporated places and census designated places); and all minor civil divisions with a population of 50,000 or more in 12 States.

## COMPARABILITY TO 1980 CENSUS DATA

This file is the 1990 counterpart to the 1980 Census/EEO Special File. Generally, the classification system used for the 1990 occupation data is the same as the one used in 1980, but there are some differences, as follows:

New 1990 categories:

017 Managers, food serving and lodging establishments

021 Managers, service organizations, not elsewhere classified (n.e.c.)

466 Family child care providers

467 Early childhood teacher's assistants

Deleted 1980 categories (consolidated with others):

- 349 Telegraphers (now part of 353, Communications equipment operators, n.e.c.)
- 369 Samplers (now part of 368-372, Weighers, measurers, checkers, and samplers)
- 437 Short-order cooks (now part of 436, Cooks)
- 673 Apparel and fabric patternmakers (now part of 674, Miscellaneous precision apparel and fabric workers)
- 794 Hand grinding and polishing occupations (now part of 795, Miscellaneous hand working occupations)
- 805 Truck drivers, light (now part of 804, Truck drivers)

Most of the 1990 census occupation codes are the same, but some have changed. See Appendix I, 1980-1990 Occupation Comparability List, for detailed changes.

## EXPECTED USE OF 1990 CENSUS EEO DATA

This file will be useful during the next decade to both the government and the private sector as the primary source of occupational and educational attainment data for personnel recruitment and affirmative action program planning.

Occupation and education data frequently are important in preparing national and local studies dealing with demographic and economic issues. The 1990 file will be valuable for such studies and especially for affirmative action planning during the 1990's. Census figures on the number of workers by occupation generally have been accepted as proxies for the number of workers who are "skilled." The first tabulation addresses this need for work-experience data by furnishing counts of people in specific occupations.

Many entry-level jobs, apprenticeship programs, training programs, and other work situations do not require a skill based on work experience (as measured by occupation) but instead require a certain level of educational attainment. The tabulation for education level by age of persons in the civilian labor force meets this need for data on new entrants.

## RELATED PRODUCTS

CP-S-1-1, *Detailed Occupation and Other Characteristics From the EEO File for the United States: 1990*. This publication repeats the tables available on the tape at the national level only. Scheduled for release in late 1992.

CPH-R-3, *1990 Census of Population and Housing: Alphabetical Index of Industries and Occupations: 1990*. This document lists all the industry and occupation titles, arranged in alphabetical order. The index is used primarily for coding operations. This report is

available from: Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 003-024-08080-0. Price: \$19.

CPH-R-4, *1990 Census of Population and Housing: Classified Index of Industries and Occupations: 1990*. This document is a companion to the Alphabetical Index. Industry and occupation titles are arranged by classification code. It presents for each category in the industrial and occupational classification systems, the individual titles that constitute the category. This report is available from: Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 003-024-08081-8. Price: \$14.

## 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 late 1992. It will provide detailed information about all aspects of the census.

## RELATED ELECTRONIC MEDIA PRODUCTS

The EEO File also is available on computer tape and tape cartridges for all geographic entities on the CD-ROM. See the order form following this abstract for ordering options.

The EEO File on microfiche will follow a similar geographic hierarchy to the 1980 microfiche product, that is, the State summary followed by county, place/township, and MA summaries. The microfiche will be produced in 42x, column format. Each of the 208 frames will be a negative image whereas the eye-readable header area will be a positive image. There will be 68 frames of data with three geographic areas presented on each microfiche. The last frame (frame 208) will have an index. A text will be in several frames preceding the 208th position. The size of the microfiche file is estimated to be 1,500 microfiche. The eye-readable title will contain the product title and the name of all 3 geographic entities contained on the microfiche. The

optimum character size for the eye-readable title will be 3 lines of 112 characters.

## **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+™ format. The files for each State are labeled SP3000xx.DBF through SP3004xx.DBF where xx is the two-character State abbreviation. Index files used with these databases are described in Appendix J. CD-ROM Technical Information. For further information, refer to the README file on the CD-ROM.

## **FILE AVAILABILITY**

The data for all geographic entities is available on one CD-ROM priced at \$150. When ordering, please use the order form at the end of this chapter. For further information contact Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. Phone: 301-763-4100. Fax: 301-763-4794.

**1990 Census / EEO File Options** (Please indicate choice)

- ☐ All files on computer tape are expected to be available in July .....\$800
- ☐ U.S. / Metro File (U.S. summary and metro areas) .....\$175
- State Files** (Data for State, counties and places and MCD's of 50,000+)
- ☐ Northeast (CT, ME, MA, NH, NJ, NY, PA, RI, VT) .....\$175
- ☐ Midwest (IA, IL, IN, KS, MI, MN, MO, ND, NE, OH, SD, WI) .....\$175
- ☐ South I (DC, DE, FL, GA, MD, NC, SC) .....\$175
- ☐ South II (AL, AR, KY, LA, MS, OK, TN, TX, VA, WV) .....\$175
- ☐ West (AK, AZ, CA, CO, HI, ID, MT, NM, NV, OR, UT, WA, WY) .....\$175
- ☐ All above files on compact disc .....\$150

**Check computer tape options :**

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- ☐ Labelled ☐ Unlabelled
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- ☐ IBM-compatible tape cartridges

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- ☐ Tribal Organizations

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- ☐ College/University — Student
- ☐ Other Academic
- ☐ Research Organizations

**Business Sector**

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- ☐ Manufacturing Businesses
- ☐ Retail, Wholesale, Service  
Businesses
- ☐ Financial, Insurance, Real  
Estate Organizations
- ☐ Market Research, Advertising,  
Consulting Orgs.
- ☐ Trade and Professional Orgs.
- ☐ Other

**Public Service Sector**

- ☐ Social Service and Religious  
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- ☐ Civic Organizations
- ☐ National Minority Organi-  
zations
- ☐ Political Organizations

**International Sector**

- ☐ Foreign Government
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and Industry Data Center/  
Affiliate
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Center/Affiliate
- ☐ Clearinghouse Organization
- ☐ None

Do you work in your  
organization's library?

- ☐ Yes
- ☐ No



# HOW TO USE THIS FILE

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## INTRODUCTION

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, comparability to 1980 data, 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 show 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. For this EEO file, the main occupation headings are shown in the Table (Matrix) Outlines and in appendix H. In the Table (Matrix) Outlines, many occupation codes are presented as ranges; for example, legislators (001-003). In appendix H, the Occupation Code List includes single census occupation codes and comparable Standard Occupational Classification (SOC) code equivalents. Single census occupation codes in appendix H are equivalent to corresponding census code ranges in the Table (Matrix) Outlines.

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

## Data Dictionary

The data dictionary describes the database files that contain the tables shown in the Abstract chapter and the Table (Matrix) Outlines chapter. The data dictionary has three sections—the Identification Section, the Database Structures Section, and the Database-Generated Code Lists Section.

The identification section provides a fuller description of each geographic component used in the following databases. Specifically, it is a description of SP3000xx.DBF. A portion of these geography codes are used as identifiers for other databases.

The Database Structures Section contains the following files. The xx represents the two-letter State postal code or US for the United States file.

SP3000xx.DBF	Geographic Identification Section
SP3001xx.DBF	Table 1 — 3
SP3002xx.DBF	Table 4
SP3003xx.DBF	Table 5
SP3004xx.DBF	Table 6

For Tables 1-3, one dBase record contains data for one occupation. There are 512 occupation records for each geographical unit (i.e., State, county, place, etc.). For Tables 4-6, there are five records representing five educational categories for each geographical unit. See the Database-Generated Code Lists Section following the dBase structures for a list of the occupation and education codes used in the databases.

## 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.

Appendix G contains the industry and occupation code lists used in processing the data. Each respective list also contains the Standard Industrial Classification

(SIC) codes and the 1980 Standard Occupational Classification (SOC) code equivalents. Occupation and industry codes are listed on the left of each code description; SIC codes, and SOC codes are in parentheses at the end of each code description.

Appendix H compares the 1980 and 1990 occupation codes and notes changes.

Appendix I provides a list of FIPS State and county codes, minor civil division codes (50,000 or more persons), place codes (50,000 or more persons), and metropolitan area codes.

Appendix J contains the CD-ROM technical information for this file.

## 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

### Record Identification

Each record on the EEO File is identified uniquely by a combination of geography. Each dBase record contains six fields of geographic identification codes—Summary Level (SUMLEV), County (CNTY), County Subdivision (FIPS) (COUSUBFP), Metropolitan Statistical Area/Consolidated Metropolitan Statistical Area (MSACMSA), Place (FIPS) (PLACEFP), and State (FIPS) (STATEFP). For example to look at an occupation or education record for Prince George's County, Maryland, three fields in the database must be checked: the State (FIPS) code (STATEFP) (24), the Summary Level code (SUMLEV) for county records (050), and the County code (CNTY) for Prince George's County (033). You must also choose the specific occupation or education category needed by using the database-generated code list section of the data dictionary.

## 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 EEO Files.

The Summary Level Sequence Charts chapter 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 168, the hierarchy listed is State—Place [50,000 or more persons]. The record actually contains data for a place within the 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 the tape for this summary level. Remember that an asterisk (\*) indicates a code in that field. The code may be one of the standard codes described below.

The Summary Level Sequence Charts chapter also provides geographic component code information. This code identifies the various geographic components for which the record is repeated within the summary level. These component codes are provided in the data dictionary beginning in position 14. For example, the Summary Level Sequence Chart for EEO indicates that the summary level for State records (040) has geographic component code 00. 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).

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 EEO record.

## Special Area Codes

Special area codes appear in the geographic area codes portion of the data dictionary (positions 142-171). The codes represented may vary across decennial products. Special area codes (3) and (4) are used in the MA file. In all EEO Files, special area code (9) is used. The codes are described below.

### Special area codes (3) and (4)

For the United States/Metropolitan Area (MA) File, each record includes the FIPS numeric State codes for each State within an MA boundary. When an MA is in more than one State, the 2-digit FIPS State codes are shown in ascending order in special area codes (3) and (4). These codes simplify matching of the appropriate MA, State, county and place/county subdivision records to enable users to access data for more than one State.

#### Example:

#### Special area code (3):

Starting  
position

152-153    First FIPS State code  
154-155    Second FIPS State code

#### Special area code (4):

156-157    Third FIPS State code  
158-159    Fourth FIPS State 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  |

## Class of Worker Codes

Class of worker codes are used with some of the EEO detailed occupations. The codes and definitions are as follows:

- |   |  |
|---|--|
| 0 | NA (Including Person Under 16 Years/Unemployed Who Never Worked/NILF, Last Worked Before 1985) |
| 1 | Employee of a Private For-Profit Company   |
| 2 | Employee of a Private Not-for-Profit Company   |
| 3 | Employee of a Local Government   |
| 4 | Employee of a State Government   |
| 5 | Employee of Federal Government   |
| 6 | Self-employed in Own Not Incorporated Business   |
| 7 | Self-employed in Own Incorporated Business   |
| 8 | Unpaid Family Worker   |
| 9 | Unemployed, Last Worked Before 1985  |

## Standard Codes

In the identification section of all decennial tape products, 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.

- |       |  |
|-------|--|
| I     | 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. EEO File Identification by Summary Level<sup>1</sup>

Field name	Summary level		Summary level		Summary level		
	010	040	050	068	168	300	301
<b>Record Codes</b>							
File Identification	*	*	*	*	*	*	*
State/US-Abbreviation	*	*	*	*	*	*	*
Summary Level	*	*	*	*	*	*	*
Geographic Component	*	*	*	*	*	*	*
Characteristic Iteration	*	*	*	*	*	*	*
Logical Record Number	*	*	*	*	*	*	*
Logical Record Part Number	*	*	*	*	*	*	*
Total Number of Parts In Record	*	*	*	*	*	*	*
<b>Geographic Area Codes</b>							
Alaska Native Regional Corporation							
American Indian And Alaska Native Area (Census)							
American Indian And Alaska Native Area (FIPS)							
American Indian And 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 Area			*	*		*	*

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

Chart 1. EEO File Identification by Summary Level<sup>1</sup>—Con.

Field name	Summary level 010040		Summary level 050068		Summary level 168300301		
Geographic Area Codes—Con.							
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	*	*	*	*	*	*	*

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

# SUBJECT LOCATOR

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## INTRODUCTION

This index is designed to quickly identify the EEO 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 detailed occupation by race by sex for the civilian labor force, check the index under any of the three variables. Checking under detailed occupation, you find entries for three tables. As with all tables in this file, these three tables have a universe of civilian labor force. Checking the P3 entry, you can see that detailed occupation is cross tabulated by sex by race.

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P3.	DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5) ..... <i>Universe: Civilian labor force</i>	5120
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# TABLE (MATRIX) OUTLINES

Table (matrix)	Title	Total number of data cells
P1.	<p><b>DETAILED OCCUPATION(512) BY SEX(2)</b> .....</p> <p><i>Universe: Civilian labor force</i></p> <p><b>MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS (001-202):</b></p> <p>Executive, Administrative, and Managerial Occupations (001-042):</p> <p>Legislators (001-003):</p> <p>Male</p> <p>Female</p> <p>Chief executives and general administrators, public administration (004):</p> <p>(Repeat SEX)</p> <p>Administrators and officials, public administration (005):</p> <p>(Repeat SEX)</p> <p>Administrators, protective services (006):</p> <p>(Repeat SEX)</p> <p>Financial managers (007):</p> <p>(Repeat SEX)</p> <p>Personnel and labor relations managers (008):</p> <p>(Repeat SEX)</p> <p>Purchasing managers (009-012):</p> <p>(Repeat SEX)</p> <p>Managers, marketing, advertising, and public relations (013):</p> <p>(Repeat SEX)</p> <p>Administrators, education and related fields (014):</p> <p>(Repeat SEX)</p> <p>Managers, medicine and health (015):</p> <p>(Repeat SEX)</p> <p>Postmasters and mail superintendents (016):</p> <p>(Repeat SEX)</p> <p>Managers, food serving and lodging establishments (017):</p> <p>(Repeat SEX)</p> <p>Managers, properties and real estate (018):</p> <p>(Repeat SEX)</p> <p>Funeral directors (019-020):</p> <p>(Repeat SEX)</p> <p>Managers, service organizations, n.e.c. (021):</p> <p>(Repeat SEX)</p> <p>Managers and administrators, n.e.c. (022):</p> <p>Managers and administrators, n.e.c., salaried (022) (Class of worker codes 1-5, 7, 9):<sup>1</sup></p> <p>(Repeat SEX)</p> <p>Managers and administrators, n.e.c., self-employed (022) (Class of worker codes 6, 8):<sup>1</sup></p> <p>(Repeat SEX)</p> <p>Management Related Occupations (023-042):</p> <p>Accountants and auditors (023):</p> <p>(Repeat SEX)</p> <p>Underwriters (024):</p> <p>(Repeat SEX)</p> <p>Other financial officers (025):</p> <p>(Repeat SEX)</p> <p>Management analysts (026):</p> <p>(Repeat SEX)</p> <p>Personnel, training, and labor relations specialists (027):</p> <p>(Repeat SEX)</p>	1024

<sup>1</sup>See How to Use This File chapter for class of worker code definitions.



P1.	<p>DETAILED OCCUPATION(512) BY SEX(2)—Con.</p> <p>MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS (001-202):—Con.</p> <p>Purchasing agents and buyers, farm products (028): (Repeat SEX)</p> <p>Buyers, wholesale and retail trade, except farm products (029-032): (Repeat SEX)</p> <p>Purchasing agents and buyers, n.e.c. (033): (Repeat SEX)</p> <p>Business and promotion agents (034): (Repeat SEX)</p> <p>Construction inspectors (035): (Repeat SEX)</p> <p>Inspectors and compliance officers, except construction (036): (Repeat SEX)</p> <p>Management related occupations, n.e.c. (037-042): (Repeat SEX)</p> <p>Professional Specialty Occupations (043-202):</p> <p>Engineers, Architects, and Surveyors (043-063):</p> <p>Architects (043): (Repeat SEX)</p> <p>Engineers (044-062):</p> <p>Aerospace (044): (Repeat SEX)</p> <p>Metallurgical and materials (045): (Repeat SEX)</p> <p>Mining (046): (Repeat SEX)</p> <p>Petroleum (047): (Repeat SEX)</p> <p>Chemical (048): (Repeat SEX)</p> <p>Nuclear (049-052): (Repeat SEX)</p> <p>Civil (053): (Repeat SEX)</p> <p>Agricultural (054): (Repeat SEX)</p> <p>Electrical and electronic (055): (Repeat SEX)</p> <p>Industrial (056): (Repeat SEX)</p> <p>Mechanical (057): (Repeat SEX)</p> <p>Marine and naval architects (058): (Repeat SEX)</p> <p>Engineers, n.e.c. (059-062): (Repeat SEX)</p> <p>Surveyors and mapping scientists (063): (Repeat SEX)</p> <p>Mathematical and Computer Scientists (064-068):</p> <p>Computer systems analysts and scientists (064): (Repeat SEX)</p> <p>Operations and systems researchers and analysts (065): (Repeat SEX)</p> <p>Actuaries (066): (Repeat SEX)</p> <p>Statisticians (067): (Repeat SEX)</p> <p>Mathematical scientists, n.e.c. (068): (Repeat SEX)</p> <p>Natural Scientists (069-083):</p> <p>Physicists and astronomers (069-072): (Repeat SEX)</p>
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P1.	DETAILED OCCUPATION(512) BY SEX(2)—Con. MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS (001-202):—Con.
	Chemists, except biochemists (073): (Repeat SEX)
	Atmospheric and space scientists (074): (Repeat SEX)
	Geologists and geodesists (075): (Repeat SEX)
	Physical scientists, n.e.c. (076): (Repeat SEX)
	Agricultural and food scientists (077): (Repeat SEX)
	Biological and life scientists (078): (Repeat SEX)
	Forestry and conservation scientists (079-082): (Repeat SEX)
	Medical scientists (083): (Repeat SEX)
	Health Diagnosing Occupations (084-094):
	Physicians (084): (Repeat SEX)
	Dentists (085): (Repeat SEX)
	Veterinarians (086): (Repeat SEX)
	Optometrists (087): (Repeat SEX)
	Podiatrists (088): (Repeat SEX)
	Health diagnosing practitioners, n.e.c. (089-094): (Repeat SEX)
	Health Assessment and Treating Occupations (095-112):
	Registered nurses (095): (Repeat SEX)
	Pharmacists (096): (Repeat SEX)
	Dietitians (097): (Repeat SEX)
	Therapists (098-105):
	Respiratory therapists (098): (Repeat SEX)
	Occupational therapists (099-102): (Repeat SEX)
	Physical therapists (103): (Repeat SEX)
	Speech therapists (104): (Repeat SEX)
	Therapists, n.e.c. (105): (Repeat SEX)
	Physicians' assistants (106-112): (Repeat SEX)
	Teachers, Postsecondary (113-154):
	Earth, environmental, and marine science teachers (113): (Repeat SEX)
	Biological science teachers (114): (Repeat SEX)
	Chemistry teachers (115): (Repeat SEX)
	Physics teachers (116): (Repeat SEX)
	Natural science teachers, n.e.c. (117): (Repeat SEX)

P1.	DETAILED OCCUPATION(512) BY SEX(2)—Con. MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS (001-202):—Con.	
	Psychology teachers (118): (Repeat SEX)	
	Economics teachers (119-122): (Repeat SEX)	
	History teachers (123): (Repeat SEX)	
	Political science teachers (124): (Repeat SEX)	
	Sociology teachers (125): (Repeat SEX)	
	Social science teachers, n.e.c. (126): (Repeat SEX)	
	Engineering teachers (127): (Repeat SEX)	
	Mathematical science teachers (128): (Repeat SEX)	
	Computer science teachers (129-132): (Repeat SEX)	
	Medical science teachers (133): (Repeat SEX)	
	Health specialties teachers (134): (Repeat SEX)	
	Business, commerce, and marketing teachers (135): (Repeat SEX)	
	Agriculture and forestry teachers (136): (Repeat SEX)	
	Art, drama, and music teachers (137): (Repeat SEX)	
	Physical education teachers (138): (Repeat SEX)	
	Education teachers (139-142): (Repeat SEX)	
	English teachers (143): (Repeat SEX)	
	Foreign language teachers (144): (Repeat SEX)	
	Law teachers (145): (Repeat SEX)	
	Social work teachers (146): (Repeat SEX)	
	Theology teachers (147): (Repeat SEX)	
	Trade and industrial teachers (148): (Repeat SEX)	
	Home economics teachers (149-152): (Repeat SEX)	
	Teachers, postsecondary, n.e.c. (153): (Repeat SEX)	
	Postsecondary teachers, subject not specified (154): (Repeat SEX)	
	Teachers, Except Postsecondary (155-162):	
	Teachers, prekindergarten and kindergarten (155): (Repeat SEX)	
	Teachers, elementary school (156): (Repeat SEX)	
	Teachers, secondary school (157): (Repeat SEX)	
	Teachers, special education (158): (Repeat SEX)	
	Teachers, n.e.c. (159-162): (Repeat SEX)	

P1.	DETAILED OCCUPATION(512) BY SEX(2)—Con. MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS (001-202):—Con. Counselors, Educational and Vocational (163): (Repeat SEX) Librarians, Archivists, and Curators (164-165): Librarians (164): (Repeat SEX) Archivists and curators (165): (Repeat SEX) Social Scientists and Urban Planners (166-173): Economists (166): (Repeat SEX) Psychologists (167): (Repeat SEX) Sociologists (168): (Repeat SEX) Social scientists, n.e.c. (169-172): (Repeat SEX) Urban planners (173): (Repeat SEX) Social, Recreation, and Religious Workers (174-177): Social workers (174): (Repeat SEX) Recreation workers (175): (Repeat SEX) Clergy (176): (Repeat SEX) Religious workers, n.e.c. (177): (Repeat SEX) Lawyers and Judges (178-182): Lawyers (178): (Repeat SEX) Judges (179-182): (Repeat SEX) Writers, Artists, Entertainers, and Athletes (183-202): Authors (183): (Repeat SEX) Technical writers (184): (Repeat SEX) Designers (185): (Repeat SEX) Musicians and composers (186): (Repeat SEX) Actors and directors (187): (Repeat SEX) Painters, sculptors, craft-artists, and artist printmakers (188): (Repeat SEX) Photographers (189-192): (Repeat SEX) Dancers (193): (Repeat SEX) Artists, performers, and related workers, n.e.c. (194): (Repeat SEX) Editors and reporters (195-196): (Repeat SEX) Public relations specialists (197): (Repeat SEX) Announcers (198): (Repeat SEX) Athletes (199-202): (Repeat SEX)
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P1.	<p>DETAILED OCCUPATION(512) BY SEX(2)—Con.</p> <p>TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS (203-402):</p> <p>Technicians and Related Support Occupations (203-242):</p> <p>Health Technologists and Technicians (203-212):</p> <p>Clinical laboratory technologists and technicians (203): (Repeat SEX)</p> <p>Dental hygienists (204): (Repeat SEX)</p> <p>Health record technologists and technicians (205): (Repeat SEX)</p> <p>Radiologic technicians (206): (Repeat SEX)</p> <p>Licensed practical nurses (207): (Repeat SEX)</p> <p>Health technologists and technicians, n.e.c. (208-212): (Repeat SEX)</p> <p>Technologists and Technicians, Except Health (213-242):</p> <p>Engineering and Related Technologists and Technicians (213-222):</p> <p>Electrical and electronic technicians (213): (Repeat SEX)</p> <p>Industrial engineering technicians (214): (Repeat SEX)</p> <p>Mechanical engineering technicians (215): (Repeat SEX)</p> <p>Engineering technicians, n.e.c. (216): (Repeat SEX)</p> <p>Drafting occupations (217): (Repeat SEX)</p> <p>Surveying and mapping technicians (218-222): (Repeat SEX)</p> <p>Science Technicians (223-225):</p> <p>Biological technicians (223): (Repeat SEX)</p> <p>Chemical technicians (224): (Repeat SEX)</p> <p>Science technicians, n.e.c. (225): (Repeat SEX)</p> <p>Technicians, Except Health, Engineering, and Science (226-242):</p> <p>Airplane pilots and navigators (226): (Repeat SEX)</p> <p>Air traffic controllers (227): (Repeat SEX)</p> <p>Broadcast equipment operators (228): (Repeat SEX)</p> <p>Computer programmers (229-232): (Repeat SEX)</p> <p>Tool programmers, numerical control (233): (Repeat SEX)</p> <p>Legal assistants (234): (Repeat SEX)</p> <p>Technicians, n.e.c. (235-242): (Repeat SEX)</p> <p>Sales Occupations (243-302):</p> <p>Supervisors and proprietors, sales occupations, salaried (243-252) (Class of worker codes 1-5, 7, 9): (Repeat SEX)</p> <p>Supervisors and proprietors, sales occupations, self employed (243-252) (Class of worker codes 6, 8): (Repeat SEX)</p> <p>Sales Representatives, Finance and Business Services (253-257):</p> <p>Insurance sales occupations (253): (Repeat SEX)</p>
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P1.	DETAILED OCCUPATION(512) BY SEX(2)—Con. TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS (203-402):—Con. Real estate sales occupations (254): (Repeat SEX) Securities and financial services sales occupations (255): (Repeat SEX) Advertising and related sales occupations (256): (Repeat SEX) Sales occupations, other business services (257): (Repeat SEX) Sales Representatives, Commodities, Except Retail (258-262): Sales engineers (258): (Repeat SEX) Sales representatives, mining, manufacturing, and wholesale (259-262): (Repeat SEX) Sales Workers, Retail and Personal Services (263-282): Sales workers, motor vehicles and boats (263): (Repeat SEX) Sales workers, apparel (264): (Repeat SEX) Sales workers, shoes (265): (Repeat SEX) Sales workers, furniture and home furnishings (266): (Repeat SEX) Sales workers, radio, TV, hi-fi, and appliances (267): (Repeat SEX) Sales workers, hardware and building supplies (268): (Repeat SEX) Sales workers, parts (269-273): (Repeat SEX) Sales workers, other commodities (274): (Repeat SEX) Sales counter clerks (275): (Repeat SEX) Cashiers (276): (Repeat SEX) Street and door-to-door sales workers (277): (Repeat SEX) News vendors (278-282): (Repeat SEX) Sales Related Occupations (283-302): Demonstrators, promoters and models, sales (283): (Repeat SEX) Auctioneers (284): (Repeat SEX) Sales support occupations, n.e.c. (285-302): (Repeat SEX) Administrative Support Occupations, Including Clerical (303-402): Supervisors, Administrative Support Occupations (303-307): Supervisors, general office (303): (Repeat SEX) Supervisors, computer equipment operators (304): (Repeat SEX) Supervisors, financial records processing (305): (Repeat SEX) Chief communications operators (306): (Repeat SEX) Supervisors, distribution, scheduling, and adjusting clerks (307): (Repeat SEX) Computer Equipment Operators (308-312): Computer operators (308): (Repeat SEX)
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P1.	DETAILED OCCUPATION(512) BY SEX(2)—Con. TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS (203-402):—Con. Peripheral equipment operators (309-312): (Repeat SEX) Secretaries, Stenographers, and Typists (313-315): Secretaries (313): (Repeat SEX) Stenographers (314): (Repeat SEX) Typists (315): (Repeat SEX) Information Clerks (316-324): Interviewers (316): (Repeat SEX) Hotel clerks (317): (Repeat SEX) Transportation ticket and reservation agents (318): (Repeat SEX) Receptionists (319-322): (Repeat SEX) Information clerks, n.e.c. (323-324): (Repeat SEX) Records Processing Occupations, Except Financial (325-336): Classified-ad clerks (325): (Repeat SEX) Correspondence clerks (326): (Repeat SEX) Order clerks (327): (Repeat SEX) Personnel clerks, except payroll and timekeeping (328): (Repeat SEX) Library clerks (329-334): (Repeat SEX) File clerks (335): (Repeat SEX) Records clerks (336): (Repeat SEX) Financial Records Processing Occupations (337-344): Bookkeepers, accounting, and auditing clerks (337): (Repeat SEX) Payroll and timekeeping clerks (338): (Repeat SEX) Billing clerks (339-342): (Repeat SEX) Cost and rate clerks (343): (Repeat SEX) Billing, posting, and calculating machine operators (344): (Repeat SEX) Duplicating, Mail and Other Office Machine Operators (345-347): Duplicating machine operators (345): (Repeat SEX) Mail preparing and paper handling machine operators (346): (Repeat SEX) Office machine operators, n.e.c. (347): (Repeat SEX) Communications Equipment Operators (348-353): Telephone operators (348-352): (Repeat SEX) Communications equipment operators, n.e.c. (353): (Repeat SEX) Mail and Message Distributing Occupations (354-358): Postal clerks, except mail carriers (354): (Repeat SEX)
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P1.	<p>DETAILED OCCUPATION(512) BY SEX(2)—Con.</p> <p>TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS (203-402):—Con.</p> <p>Mail carriers, postal service (355): (Repeat SEX)</p> <p>Mail clerks, except postal service (356): (Repeat SEX)</p> <p>Messengers (357-358): (Repeat SEX)</p> <p>Material Recording, Scheduling, and Distributing Clerks (359-374):</p> <p>Dispatchers (359-362): (Repeat SEX)</p> <p>Production coordinators (363): (Repeat SEX)</p> <p>Traffic, shipping, and receiving clerks (364): (Repeat SEX)</p> <p>Stock and inventory clerks (365): (Repeat SEX)</p> <p>Meter readers (366-367): (Repeat SEX)</p> <p>Weighers, measurers, checkers, and samplers (368-372): (Repeat SEX)</p> <p>Expeditors (373): (Repeat SEX)</p> <p>Material recording, scheduling, and distributing clerks, n.e.c. (374): (Repeat SEX)</p> <p>Adjusters and Investigators (375-378):</p> <p>Insurance adjusters, examiners, and investigators (375): (Repeat SEX)</p> <p>Investigators and adjusters, except insurance (376): (Repeat SEX)</p> <p>Eligibility clerks, social welfare (377): (Repeat SEX)</p> <p>Bill and account collectors (378): (Repeat SEX)</p> <p>Miscellaneous Administrative Support Occupations (379-403):</p> <p>General office clerks (379-382): (Repeat SEX)</p> <p>Bank tellers (383): (Repeat SEX)</p> <p>Proofreaders (384): (Repeat SEX)</p> <p>Data-entry keyers (385): (Repeat SEX)</p> <p>Statistical clerks (386): (Repeat SEX)</p> <p>Teachers' aides (387-388): (Repeat SEX)</p> <p>Administrative support occupations, n.e.c. (389-402): (Repeat SEX)</p> <p>SERVICE OCCUPATIONS (403-473):</p> <p>Private Household Occupations (403-412):</p> <p>Launderers and ironers (403): (Repeat SEX)</p> <p>Cooks, private household (404): (Repeat SEX)</p> <p>Housekeepers and butlers (405): (Repeat SEX)</p> <p>Child care workers, private household (406): (Repeat SEX)</p> <p>Private household cleaners and servants (407-412): (Repeat SEX)</p>
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- P1. DETAILED OCCUPATION(512) BY SEX(2)—Con.  
 SERVICE OCCUPATIONS (403-473):—Con.
- Protective Service Occupations (413-432):
    - Supervisors, Protective Service Occupations (413-415):
      - Supervisors, firefighting and fire prevention occupations (413):  
(Repeat SEX)
      - Supervisors, police and detectives (414):  
(Repeat SEX)
      - Supervisors, guards (415):  
(Repeat SEX)
    - Firefighting and Fire Prevention Occupations (416-417):
      - Fire inspection and fire prevention occupations (416):  
(Repeat SEX)
      - Firefighting occupations (417):  
(Repeat SEX)
    - Police and Detectives (418-424):
      - Police and detectives, public service (418-422):  
(Repeat SEX)
      - Sheriffs, bailiffs, and other law enforcement officers (423):  
(Repeat SEX)
      - Correctional institution officers (424):  
(Repeat SEX)
    - Guards (425-432):
      - Crossing guards (425):  
(Repeat SEX)
      - Guards and police, except public service (426):  
(Repeat SEX)
      - Protective service occupations, n.e.c. (427-432):  
(Repeat SEX)
  - Service Occupations, Except Protective and Household (433-472):
    - Food Preparation and Service Occupations (433-444):
      - Supervisors, food preparation and service occupations (433):  
(Repeat SEX)
      - Bartenders (434):  
(Repeat SEX)
      - Waiters and waitresses (435):  
(Repeat SEX)
      - Cooks (436-437):  
(Repeat SEX)
      - Food counter, fountain and related occupations (438):  
(Repeat SEX)
      - Kitchen workers, food preparation (439-442):  
(Repeat SEX)
      - Waiters'/waitresses' assistants (443):  
(Repeat SEX)
      - Miscellaneous food preparation occupations (444):  
(Repeat SEX)
    - Health Service Occupations (445-447):
      - Dental assistants (445):  
(Repeat SEX)
      - Health aides, except nursing (446):  
(Repeat SEX)
      - Nursing aides, orderlies, and attendants (447):  
(Repeat SEX)
    - Cleaning and Building Service Occupations, Except Household (448-455):
      - Supervisors, cleaning and building service workers (448):  
(Repeat SEX)
      - Maids and housemen (449-452):  
(Repeat SEX)
      - Janitors and cleaners (453):  
(Repeat SEX)
      - Elevator operators (454):  
(Repeat SEX)

P1.	DETAILED OCCUPATION(512) BY SEX(2)—Con. SERVICE OCCUPATIONS (403-473):—Con. Pest control occupations (455): (Repeat SEX) Personal Service Occupations (456-472): Supervisors, personal service occupations (456): (Repeat SEX) Barbers (457): (Repeat SEX) Hairdressers and cosmetologists (458): (Repeat SEX) Attendants, amusement and recreation facilities (459-460): (Repeat SEX) Guides (461): (Repeat SEX) Ushers (462): (Repeat SEX) Public transportation attendants (463): (Repeat SEX) Baggage porters and bellhops (464): (Repeat SEX) Welfare service aides (465): (Repeat SEX) Family child care providers (466): (Repeat SEX) Early childhood teacher's assistants (467): (Repeat SEX) Child care workers, n.e.c. (468): (Repeat SEX) Personal service occupations, n.e.c. (469-472): (Repeat SEX) FARMING, FORESTRY, AND FISHING OCCUPATIONS (473-502): Farm Operators and Managers (473-476): Farmers, except horticultural (473): (Repeat SEX) Horticultural specialty farmers (474): (Repeat SEX) Managers, farms, except horticultural (475): (Repeat SEX) Managers, horticultural specialty farms (476): (Repeat SEX) Other Agricultural and Related Occupations (477-493): Farm Occupations, Except Managerial (477-484): Supervisors, farm workers (477-478): (Repeat SEX) Farm workers (479-482): (Repeat SEX) Marine life cultivation workers (483): (Repeat SEX) Nursery workers (484): (Repeat SEX) Related Agricultural Occupations (485-493): Supervisors, related agricultural occupations (485): (Repeat SEX) Groundskeepers and gardeners, except farm (486): (Repeat SEX) Animal caretakers, except farm (487): (Repeat SEX) Graders and sorters, agricultural products (488): (Repeat SEX) Inspectors, agricultural products (489-493): (Repeat SEX)
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P1.	<p>DETAILED OCCUPATION(512) BY SEX(2)—Con.</p> <p>FARMING, FORESTRY, AND FISHING OCCUPATIONS (473-502):—Con.</p> <p>Forestry and Logging Occupations (494-496):</p> <p>Supervisors, forestry and logging workers (494): (Repeat SEX)</p> <p>Forestry workers, except logging (495): (Repeat SEX)</p> <p>Timber cutting and logging occupations (496): (Repeat SEX)</p> <p>Fishers, Hunters, and Trappers (497-502):</p> <p>Captains and other officers, fishing vessels (497): (Repeat SEX)</p> <p>Fishers (498): (Repeat SEX)</p> <p>Hunters and trappers (499-502): (Repeat SEX)</p> <p>PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS (503-702):</p> <p>Mechanics and Repairers (503-552):</p> <p>Supervisors, mechanics and repairers (503-504): (Repeat SEX)</p> <p>Mechanics and Repairers, Except Supervisors (505-552):</p> <p>Vehicle and Mobile Equipment Mechanics and Repairers (505-517):</p> <p>Automobile mechanics, except apprentices (505): (Repeat SEX)</p> <p>Automobile mechanic apprentices (506): (Repeat SEX)</p> <p>Bus, truck, and stationary engine mechanics (507): (Repeat SEX)</p> <p>Aircraft engine mechanics (508): (Repeat SEX)</p> <p>Small engine repairers (509-513): (Repeat SEX)</p> <p>Automobile body and related repairers (514): (Repeat SEX)</p> <p>Aircraft mechanics, except engine (515): (Repeat SEX)</p> <p>Heavy equipment mechanics (516): (Repeat SEX)</p> <p>Farm equipment mechanics (517): (Repeat SEX)</p> <p>Industrial machinery repairers (518): (Repeat SEX)</p> <p>Machinery maintenance occupations (519-522): (Repeat SEX)</p> <p>Electrical and Electronic Equipment Repairers (523-533):</p> <p>Electronic repairers, communications and industrial equipment (523-524): (Repeat SEX)</p> <p>Data processing equipment repairers (525): (Repeat SEX)</p> <p>Household appliance and power tool repairers (526): (Repeat SEX)</p> <p>Telephone line installers and repairers (527-528): (Repeat SEX)</p> <p>Telephone installers and repairers (529-532): (Repeat SEX)</p> <p>Miscellaneous electrical and electronic equipment repairers (533): (Repeat SEX)</p> <p>Heating, air conditioning, and refrigeration mechanics (534): (Repeat SEX)</p> <p>Miscellaneous Mechanics and Repairers (535-552):</p> <p>Camera, watch, and musical instrument repairers (535): (Repeat SEX)</p>
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P1.	<p>DETAILED OCCUPATION(512) BY SEX(2)—Con.</p> <p>PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS (503-702):—Con.</p> <p>Locksmiths and safe repairers (536-537): (Repeat SEX)</p> <p>Office machine repairers (538): (Repeat SEX)</p> <p>Mechanical controls and valve repairers (539-542): (Repeat SEX)</p> <p>Elevator installers and repairers (543): (Repeat SEX)</p> <p>Millwrights (544-546): (Repeat SEX)</p> <p>Specified mechanics and repairers, n.e.c. (547-548): (Repeat SEX)</p> <p>Not specified mechanics and repairers (549-552): (Repeat SEX)</p> <p>Construction Trades (553-612):</p> <p>Supervisors, Construction Occupations (553-562):</p> <p>Supervisors, brickmasons, stonemasons, and tile setters (553): (Repeat SEX)</p> <p>Supervisors, carpenters and related workers (554): (Repeat SEX)</p> <p>Supervisors, electricians and power transmission installers (555): (Repeat SEX)</p> <p>Supervisors, painters, paperhangers, and plasterers (556): (Repeat SEX)</p> <p>Supervisors, plumbers, pipefitters, and steamfitters (557): (Repeat SEX)</p> <p>Supervisors, construction, n.e.c. (558-562): (Repeat SEX)</p> <p>Construction Trades, Except Supervisors (563-612):</p> <p>Brickmasons and stonemasons, except apprentices (563): (Repeat SEX)</p> <p>Brickmason and stonemason apprentices (564): (Repeat SEX)</p> <p>Tile setters, hard and soft (565): (Repeat SEX)</p> <p>Carpet installers (566): (Repeat SEX)</p> <p>Carpenters, except apprentices (567-568): (Repeat SEX)</p> <p>Carpenter apprentices (569-572): (Repeat SEX)</p> <p>Drywall installers (573-574): (Repeat SEX)</p> <p>Electricians, except apprentices (575): (Repeat SEX)</p> <p>Electrician apprentices (576): (Repeat SEX)</p> <p>Electrical power installers and repairers (577-578): (Repeat SEX)</p> <p>Painters, construction and maintenance (579-582): (Repeat SEX)</p> <p>Paperhangers (583): (Repeat SEX)</p> <p>Plasterers (584): (Repeat SEX)</p> <p>Plumbers, pipefitters, and steamfitters, except apprentices (585-586): (Repeat SEX)</p> <p>Plumber, pipefitter, and steamfitter apprentices (587): (Repeat SEX)</p> <p>Concrete and terrazzo finishers (588): (Repeat SEX)</p>	
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P1.	<p>DETAILED OCCUPATION(512) BY SEX(2)—Con.</p> <p>PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS (503-702):—Con.</p> <p>Glaziers (589-592): (Repeat SEX)</p> <p>Insulation workers (593): (Repeat SEX)</p> <p>Paving, surfacing, and tamping equipment operators (594): (Repeat SEX)</p> <p>Roofers (595): (Repeat SEX)</p> <p>Sheetmetal duct installers (596): (Repeat SEX)</p> <p>Structural metal workers (597): (Repeat SEX)</p> <p>Drillers, earth (598): (Repeat SEX)</p> <p>Construction trades, n.e.c. (599-612): (Repeat SEX)</p> <p>Extractive Occupations (613-627):</p> <p>Supervisors, extractive occupations (613): (Repeat SEX)</p> <p>Drillers, oil well (614): (Repeat SEX)</p> <p>Explosives workers (615): (Repeat SEX)</p> <p>Mining machine operators (616): (Repeat SEX)</p> <p>Mining occupations, n.e.c. (617-627): (Repeat SEX)</p> <p>Precision Production Occupations (628-702):</p> <p>Supervisors, production occupations (628-633): (Repeat SEX)</p> <p>Precision Metal Working Occupations (634-655):</p> <p>Tool and die makers, except apprentices (634): (Repeat SEX)</p> <p>Tool and die maker apprentices (635): (Repeat SEX)</p> <p>Precision assemblers, metal (636): (Repeat SEX)</p> <p>Machinists, except apprentices (637-638): (Repeat SEX)</p> <p>Machinist apprentices (639-642): (Repeat SEX)</p> <p>Boilermakers (643): (Repeat SEX)</p> <p>Precision grinders, filers, and tool sharpeners (644): (Repeat SEX)</p> <p>Patternmakers and model makers, metal (645): (Repeat SEX)</p> <p>Lay-out workers (646): (Repeat SEX)</p> <p>Precious stones and metals workers (Jewelers) (647-648): (Repeat SEX)</p> <p>Engravers, metal (649-652): (Repeat SEX)</p> <p>Sheet metal workers, except apprentices (653): (Repeat SEX)</p> <p>Sheet metal worker apprentices (654): (Repeat SEX)</p> <p>Miscellaneous precision metal workers (655): (Repeat SEX)</p>
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- P1. DETAILED OCCUPATION(512) BY SEX(2)—Con.  
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS (503-702):—Con.
- Precision Woodworking Occupations (656-665):
    - Patternmakers and model makers, wood (656):  
(Repeat SEX)
    - Cabinet makers and bench carpenters (657):  
(Repeat SEX)
    - Furniture and wood finishers (658):  
(Repeat SEX)
    - Miscellaneous precision woodworkers (659-665):  
(Repeat SEX)
  - Precision Textile, Apparel, and Furnishings Machine Workers (666-674):
    - Dressmakers (666):  
(Repeat SEX)
    - Tailors (667):  
(Repeat SEX)
    - Upholsterers (668):  
(Repeat SEX)
    - Shoe repairers (669-673):  
(Repeat SEX)
    - Miscellaneous precision apparel and fabric workers (674):  
(Repeat SEX)
  - Precision Workers, Assorted Materials (675-685):
    - Hand molders and shapers, except jewelers (675):  
(Repeat SEX)
    - Patternmakers, lay-out workers, and cutters (676):  
(Repeat SEX)
    - Optical goods workers (677):  
(Repeat SEX)
    - Dental laboratory and medical appliance technicians (678):  
(Repeat SEX)
    - Bookbinders (679-682):  
(Repeat SEX)
    - Electrical and electronic equipment assemblers (683):  
(Repeat SEX)
    - Miscellaneous precision workers, n.e.c. (684-685):  
(Repeat SEX)
  - Precision Food Production Occupations (686-688):
    - Butchers and meat cutters (686):  
(Repeat SEX)
    - Bakers (687):  
(Repeat SEX)
    - Food batchmakers (688):  
(Repeat SEX)
  - Precision Inspectors, Testers, and Related Workers (689-693):
    - Inspectors, testers, and graders (689-692):  
(Repeat SEX)
    - Adjusters and calibrators (693):  
(Repeat SEX)
  - Plant and System Operators (694-702):
    - Water and sewage treatment plant operators (694):  
(Repeat SEX)
    - Power plant operators (695):  
(Repeat SEX)
    - Stationary engineers (696-698):  
(Repeat SEX)
    - Miscellaneous plant and system operators (699-702):  
(Repeat SEX)

- P1. DETAILED OCCUPATION(512) BY SEX(2)—Con.  
OPERATORS, FABRICATORS, AND LABORERS (703-902):  
Machine Operators, Assemblers, and Inspectors (703-802):  
Machine Operators and Tenders, Except Precision (703-782):  
Metal Working and Plastic Working Machine Operators (703-716):  
Lathe and turning machine set-up operators (703):  
(Repeat SEX)  
Lathe and turning machine operators (704):  
(Repeat SEX)  
Milling and planing machine operators (705):  
(Repeat SEX)  
Punching and stamping press machine operators (706):  
(Repeat SEX)  
Rolling machine operators (707):  
(Repeat SEX)  
Drilling and boring machine operators (708):  
(Repeat SEX)  
Grinding, abrading, buffing, and polishing machine operators (709-712):  
(Repeat SEX)  
Forging machine operators (713):  
(Repeat SEX)  
Numerical control machine operators (714):  
(Repeat SEX)  
Miscellaneous metal, plastic, stone, and glass working machine operators (715-716):  
(Repeat SEX)  
Fabricating machine operators, n.e.c. (717-718):  
(Repeat SEX)  
Metal and Plastic Processing Machine Operators (719-725):  
Molding and casting machine operators (719-722):  
(Repeat SEX)  
Metal plating machine operators (723):  
(Repeat SEX)  
Heat treating equipment operators (724):  
(Repeat SEX)  
Miscellaneous metal and plastic processing machine operators (725):  
(Repeat SEX)  
Woodworking Machine Operators (726-733)  
Wood lathe, routing, and planing machine operators (726):  
(Repeat SEX)  
Sawing machine operators (727):  
(Repeat SEX)  
Shaping and joining machine operators (728):  
(Repeat SEX)  
Nailing and tacking machine operators (729-732):  
(Repeat SEX)  
Miscellaneous woodworking machine operators (733):  
(Repeat SEX)  
Printing Machine Operators (734-737):  
Printing press operators (734):  
(Repeat SEX)  
Photoengravers and lithographers (735):  
(Repeat SEX)  
Typesetters and compositors (736):  
(Repeat SEX)  
Miscellaneous printing machine operators (737):  
(Repeat SEX)  
Textile, Apparel, and Furnishings Machine Operators (738-752):  
Winding and twisting machine operators (738):  
(Repeat SEX)  
Knitting, looping, taping, and weaving machine operators (739-742):  
(Repeat SEX)

P1.	<p>DETAILED OCCUPATION(512) BY SEX(2)—Con.  OPERATORS, FABRICATORS, AND LABORERS (703-902):—Con.</p> <p>Textile cutting machine operators (743):  (Repeat SEX)</p> <p>Textile sewing machine operators (744):  (Repeat SEX)</p> <p>Shoe machine operators (745-746):  (Repeat SEX)</p> <p>Pressing machine operators (747):  (Repeat SEX)</p> <p>Laundering and dry cleaning machine operators (748):  (Repeat SEX)</p> <p>Miscellaneous textile machine operators (749-752):  (Repeat SEX)</p> <p>Machine Operators, Assorted Materials (753-782):</p> <p>Cementing and gluing machine operators (753):  (Repeat SEX)</p> <p>Packaging and filling machine operators (754):  (Repeat SEX)</p> <p>Extruding and forming machine operators (755):  (Repeat SEX)</p> <p>Mixing and blending machine operators (756):  (Repeat SEX)</p> <p>Separating, filtering, and clarifying machine operators (757):  (Repeat SEX)</p> <p>Compressing and compacting machine operators (758):  (Repeat SEX)</p> <p>Painting and paint spraying machine operators (759-762):  (Repeat SEX)</p> <p>Roasting and baking machine operators, food (763):  (Repeat SEX)</p> <p>Washing, cleaning, and pickling machine operators (764):  (Repeat SEX)</p> <p>Folding machine operators (765):  (Repeat SEX)</p> <p>Furnace, kiln, and oven operators, except food (766-767):  (Repeat SEX)</p> <p>Crushing and grinding machine operators (768):  (Repeat SEX)</p> <p>Slicing and cutting machine operators (769-772):  (Repeat SEX)</p> <p>Motion picture projectionists (773):  (Repeat SEX)</p> <p>Photographic process machine operators (774-776):  (Repeat SEX)</p> <p>Miscellaneous machine operators, n. e. c. (777-778):</p> <p>Manufacturing, nondurable goods (777-778) (Industry codes 100-229):  (Repeat SEX)</p> <p>Manufacturing, durable goods (777-778) (Industry codes 230-399):  (Repeat SEX)</p> <p>Nonmanufacturing industries (777-778) (Industry codes 010-099, 400-999):  (Repeat SEX)</p> <p>Machine operators, not specified (779-782):</p> <p>Manufacturing, nondurable goods (779-782) (Industry codes 100-229):  (Repeat SEX)</p> <p>Manufacturing, durable goods (779-782) (Industry codes 230-399):  (Repeat SEX)</p> <p>Nonmanufacturing industries (779-782) (Industry codes 010-099, 400-999):  (Repeat SEX)</p> <p>Fabricators, Assemblers, and Hand Working Occupations (783-795):</p> <p>Welders and cutters (783):  (Repeat SEX)</p>
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- P1. DETAILED OCCUPATION(512) BY SEX(2)—Con.  
 OPERATORS, FABRICATORS, AND LABORERS (703-902):—Con.
- Solderers and brazers (784):  
 (Repeat SEX)
  - Assemblers (785):  
 (Repeat SEX)
  - Hand cutting and trimming occupations (786):  
 (Repeat SEX)
  - Hand molding, casting, and forming occupations (787-788):  
 (Repeat SEX)
  - Hand painting, coating, and decorating occupations (789-792):  
 (Repeat SEX)
  - Hand engraving and printing occupations (793-794):  
 (Repeat SEX)
  - Miscellaneous hand working occupations (795):  
 (Repeat SEX)
  - Production Inspectors, Testers, Samplers, and Weighers (796-802):  
 Production inspectors, checkers, and examiners (796):  
 (Repeat SEX)
  - Production testers (797):  
 (Repeat SEX)
  - Production samplers and weighers (798):  
 (Repeat SEX)
  - Graders and sorters, except agricultural (799-802):  
 (Repeat SEX)
  - Transportation and Material Moving Occupations (803-863):  
 Motor Vehicle Operators (803-822):  
 Supervisors, motor vehicle operators (803):  
 (Repeat SEX)
  - Truck drivers (804-805):  
 (Repeat SEX)
  - Driver-sales workers (806-807):  
 (Repeat SEX)
  - Bus drivers (808):  
 (Repeat SEX)
  - Taxicab drivers and chauffeurs (809-812):  
 (Repeat SEX)
  - Parking lot attendants (813):  
 (Repeat SEX)
  - Motor transportation occupations, n.e.c. (814-822):  
 (Repeat SEX)
  - Transportation Occupations, Except Motor Vehicles (823-842):  
 Rail Transportation Occupations (823-827):  
 Railroad conductors and yardmasters (823):  
 (Repeat SEX)
  - Locomotive operating occupations (824):  
 (Repeat SEX)
  - Railroad brake, signal, and switch operators (825):  
 (Repeat SEX)
  - Rail vehicle operators, n.e.c. (826-827):  
 (Repeat SEX)
  - Water Transportation Occupations (828-842):  
 Ship captains and mates, except fishing boats (828):  
 (Repeat SEX)
  - Sailors and deckhands (829-832):  
 (Repeat SEX)
  - Marine engineers (833):  
 (Repeat SEX)
  - Bridge, lock, and lighthouse tenders (834-842):  
 (Repeat SEX)
  - Material Moving Equipment Operators (843-863):  
 Supervisors, material moving equipment operators (843):  
 (Repeat SEX)

P1.	DETAILED OCCUPATION(512) BY SEX(2)—Con. OPERATORS, FABRICATORS, AND LABORERS (703-902):—Con.
	Operating engineers (844): (Repeat SEX)
	Longshore equipment operators (845-847): (Repeat SEX)
	Holst and winch operators (848): (Repeat SEX)
	Crane and tower operators (849-852): (Repeat SEX)
	Excavating and loading machine operators (853-854): (Repeat SEX)
	Grader, dozer, and scraper operators (855): (Repeat SEX)
	Industrial truck and tractor equipment operators (856-858): (Repeat SEX)
	Miscellaneous material moving equipment operators (859-863): (Repeat SEX)
	Handlers, Equipment Cleaners, Helpers, and Laborers (864-902):
	Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (864): (Repeat SEX)
	Helpers, mechanics, and repairers (865): (Repeat SEX)
	Helpers, Construction, and Extractive Occupations (866-868):
	Helpers, construction trades (866): (Repeat SEX)
	Helpers, surveyor (867): (Repeat SEX)
	Helpers, extractive occupations (868): (Repeat SEX)
	Construction laborers (869-873): (Repeat SEX)
	Production helpers (874): (Repeat SEX)
	Freight, Stock, and Material Handlers (875-884):
	Garbage collectors (875): (Repeat SEX)
	Stevedores (876): (Repeat SEX)
	Stock handlers and baggers (877): (Repeat SEX)
	Machine feeders and offbearers (878-882): (Repeat SEX)
	Freight, stock, and material handlers, n.e.c. (883-884): (Repeat SEX)
	Garage and service station related occupations (885-886): (Repeat SEX)
	Vehicle washers and equipment cleaners (887): (Repeat SEX)
	Hand packers and packagers (888): (Repeat SEX)
	Laborers, except construction (889-902):
	Manufacturing, nondurable goods (889-902) (Industry codes 100-229): (Repeat SEX)
	Manufacturing, durable goods (889-902) (Industry codes 230-399): (Repeat SEX)
	Transportation, communications, and other public utilities (889-902) (Industry codes 400-499): (Repeat SEX)
	Wholesale and retail trade (889-902) (Industry codes 500-699): (Repeat SEX)
	All other industries (889-902) (Industry codes 010-099, 700-999): (Repeat SEX)

Table (matrix)	Title	Total number of data cells
P1.	DETAILED OCCUPATION(512) BY SEX(2)—Con. EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION (000, 903-999): Unemployed, no recent civilian work experience (000, 903-999): (Repeat SEX)	
P2.	DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)..... <i>Universe: Civilian labor force</i> MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS (001-202): Executive, Administrative, and Managerial Occupations (001-042): Legislators (001-003): Male: Hispanic origin White, not of Hispanic origin Black, not of Hispanic origin American Indian, Eskimo, or Aleut, not of Hispanic origin Asian or Pacific Islander, not of Hispanic origin Other race, not of Hispanic origin Female: (Repeat HISPANIC ORIGIN AND RACE) Chief executives and general administrators, public administration (004): (Repeat SEX By HISPANIC ORIGIN AND RACE) Administrators and officials, public administration (005): (Repeat SEX By HISPANIC ORIGIN AND RACE) Administrators, protective services (006): (Repeat SEX By HISPANIC ORIGIN AND RACE) Financial managers (007): (Repeat SEX By HISPANIC ORIGIN AND RACE) Personnel and labor relations managers (008): (Repeat SEX By HISPANIC ORIGIN AND RACE) Purchasing managers (009-012): (Repeat SEX By HISPANIC ORIGIN AND RACE) Managers, marketing, advertising, and public relations (013): (Repeat SEX By HISPANIC ORIGIN AND RACE) Administrators, education and related fields (014): (Repeat SEX By HISPANIC ORIGIN AND RACE) Managers, medicine and health (015): (Repeat SEX By HISPANIC ORIGIN AND RACE) Postmasters and mail superintendents (016): (Repeat SEX By HISPANIC ORIGIN AND RACE) Managers, food serving and lodging establishments (017): (Repeat SEX By HISPANIC ORIGIN AND RACE) Managers, properties and real estate (018): (Repeat SEX By HISPANIC ORIGIN AND RACE) Funeral directors (019-020): (Repeat SEX By HISPANIC ORIGIN AND RACE) Managers, service organizations, n.e.c. (021): (Repeat SEX By HISPANIC ORIGIN AND RACE) Managers and administrators, n. e. c. (022): Managers and administrators, n.e.c., salaried (022) (Class of worker codes 1-5, 7, 9): (Repeat SEX By HISPANIC ORIGIN AND RACE) Managers and administrators, n.e.c., self-employed (022) (Class of worker codes 6, 8): (Repeat SEX By HISPANIC ORIGIN AND RACE) Management Related Occupations (023-042): Accountants and auditors (023): (Repeat SEX By HISPANIC ORIGIN AND RACE) Underwriters (024): (Repeat SEX By HISPANIC ORIGIN AND RACE) Other financial officers (025): (Repeat SEX By HISPANIC ORIGIN AND RACE) Management analysts (026): (Repeat SEX By HISPANIC ORIGIN AND RACE) Personnel, training, and labor relations specialists (027): (Repeat SEX By HISPANIC ORIGIN AND RACE)	6144

- P2. DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)  
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS (001-202):—Con.
- Purchasing agents and buyers, farm products (028):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Buyers, wholesale and retail trade, except farm products (029-032):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Purchasing agents and buyers, n.e.c. (033):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Business and promotion agents (034):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Construction inspectors (035):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Inspectors and compliance officers, except construction (036):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Management related occupations, n.e.c. (037-042):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
- Professional Specialty Occupations (043-202):
- Engineers, Architects, and Surveyors (043-063):
    - Architects (043):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Engineers (044-062):
    - Aerospace (044):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Metallurgical and materials (045):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Mining (046):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Petroleum (047):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Chemical (048):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Nuclear (049-052):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Civil (053):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Agricultural (054):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Electrical and electronic (055):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Industrial (056):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Mechanical (057):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Marine and naval architects (058):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Engineers, n.e.c. (059-062):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Surveyors and mapping scientists (063):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
- Mathematical and Computer Scientists (064-068):
- Computer systems analysts and scientists (064):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Operations and systems researchers and analysts (065):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Actuaries (066):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Statisticians (067):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Mathematical scientists, n.e.c. (068):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
- Natural Scientists (069-083):
- Physicists and astronomers (069-072):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)

P2. DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.  
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS (001-202):—Con.

Chemists, except biochemists (073):  
    (Repeat SEX By HISPANIC ORIGIN AND RACE)  
Atmospheric and space scientists (074):  
    (Repeat SEX By HISPANIC ORIGIN AND RACE)  
Geologists and geodesists (075):  
    (Repeat SEX By HISPANIC ORIGIN AND RACE)  
Physical scientists, n.e.c. (076):  
    (Repeat SEX By HISPANIC ORIGIN AND RACE)  
Agricultural and food scientists (077):  
    (Repeat SEX By HISPANIC ORIGIN AND RACE)  
Biological and life scientists (078):  
    (Repeat SEX By HISPANIC ORIGIN AND RACE)  
Forestry and conservation scientists (079-082):  
    (Repeat SEX By HISPANIC ORIGIN AND RACE)  
Medical scientists (083):  
    (Repeat SEX By HISPANIC ORIGIN AND RACE)  
Health Diagnosing Occupations (084-094):  
    Physicians (084):  
        (Repeat SEX By HISPANIC ORIGIN AND RACE)  
    Dentists (085):  
        (Repeat SEX By HISPANIC ORIGIN AND RACE)  
    Veterinarians (086):  
        (Repeat SEX By HISPANIC ORIGIN AND RACE)  
    Optometrists (087):  
        (Repeat SEX By HISPANIC ORIGIN AND RACE)  
    Podiatrists (088):  
        (Repeat SEX By HISPANIC ORIGIN AND RACE)  
    Health diagnosing practitioners, n.e.c. (089-094):  
        (Repeat SEX By HISPANIC ORIGIN AND RACE)  
Health Assessment and Treating Occupations (095-112):  
    Registered nurses (095):  
        (Repeat SEX By HISPANIC ORIGIN AND RACE)  
    Pharmacists (096):  
        (Repeat SEX By HISPANIC ORIGIN AND RACE)  
    Dietitians (097):  
        (Repeat SEX By HISPANIC ORIGIN AND RACE)  
    Therapists (098-105):  
        Respiratory therapists (098):  
            (Repeat SEX By HISPANIC ORIGIN AND RACE)  
        Occupational therapists (099-102):  
            (Repeat SEX By HISPANIC ORIGIN AND RACE)  
        Physical therapists (103):  
            (Repeat SEX By HISPANIC ORIGIN AND RACE)  
        Speech therapists (104):  
            (Repeat SEX By HISPANIC ORIGIN AND RACE)  
        Therapists, n.e.c. (105):  
            (Repeat SEX By HISPANIC ORIGIN AND RACE)  
    Physicians' assistants (106-112):  
        (Repeat SEX By HISPANIC ORIGIN AND RACE)  
Teachers, Postsecondary (113-154):  
    Earth, environmental, and marine science teachers (113):  
        (Repeat SEX By HISPANIC ORIGIN AND RACE)  
    Biological science teachers (114):  
        (Repeat SEX By HISPANIC ORIGIN AND RACE)  
    Chemistry teachers (115):  
        (Repeat SEX By HISPANIC ORIGIN AND RACE)  
    Physics teachers (116):  
        (Repeat SEX By HISPANIC ORIGIN AND RACE)  
    Natural science teachers, n.e.c. (117):  
        (Repeat SEX By HISPANIC ORIGIN AND RACE)

**P2. DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.  
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS (001-202):—Con.**

Psychology teachers (118):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Economics teachers (119-122):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
History teachers (123):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Political science teachers (124):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Sociology teachers (125):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Social science teachers, n.e.c. (126):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Engineering teachers (127):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Mathematical science teachers (128):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Computer science teachers (129-132):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Medical science teachers (133):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Health specialties teachers (134):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Business, commerce, and marketing teachers (135):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Agriculture and forestry teachers (136):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Art, drama, and music teachers (137):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Physical education teachers (138):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Education teachers (139-142):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
English teachers (143):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Foreign language teachers (144):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Law teachers (145):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Social work teachers (146):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Theology teachers (147):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Trade and industrial teachers (148):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Home economics teachers (149-152):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Teachers, postsecondary, n.e.c. (153):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Postsecondary teachers, subject not specified (154):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Teachers, Except Postsecondary (155-162):  
Teachers, prekindergarten and kindergarten (155):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Teachers, elementary school (156):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Teachers, secondary school (157):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Teachers, special education (158):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Teachers, n.e.c. (159-162):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)

P2.	<p>DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.  MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS (001-202):—Con.  Counselors, Educational and Vocational (163):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Librarians, Archivists, and Curators (164-165):  Librarians (164):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Archivists and curators (165):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Social Scientists and Urban Planners (166-173):  Economists (166):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Psychologists (167):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Sociologists (168):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Social scientists, n.e.c. (169-172):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Urban planners (173):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Social, Recreation, and Religious Workers (174-177):  Social workers (174):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Recreation workers (175):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Clergy (176):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Religious workers, n.e.c. (177):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Lawyers and Judges (178-182):  Lawyers (178):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Judges (179-182):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Writers, Artists, Entertainers, and Athletes (183-202):  Authors (183):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Technical writers (184):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Designers (185):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Musicians and composers (186):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Actors and directors (187):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Painters, sculptors, craft-artists, and artist printmakers (188):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Photographers (189-192):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Dancers (193):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Artists, performers, and related workers, n.e.c. (194):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Editors and reporters (195-196):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Public relations specialists (197):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Announcers (198):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Athletes (199-202):  (Repeat SEX By HISPANIC ORIGIN AND RACE)</p>
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- P2. DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.  
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS (203-402):  
Technicians and Related Support Occupations (203-242):  
Health Technologists and Technicians (203-212):  
Clinical laboratory technologists and technicians (203):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Dental hygienists (204):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Health record technologists and technicians (205):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Radiologic technicians (206):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Licensed practical nurses (207):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Health technologists and technicians, n.e.c. (208-212):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Technologists and Technicians, Except Health (213-242):  
Engineering and Related Technologists and Technicians (213-222):  
Electrical and electronic technicians (213):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Industrial engineering technicians (214):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Mechanical engineering technicians (215):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Engineering technicians, n.e.c. (216):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Drafting occupations (217):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Surveying and mapping technicians (218-222):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Science Technicians (223-225):  
Biological technicians (223):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Chemical technicians (224):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Science technicians, n.e.c. (225):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Technicians, Except Health, Engineering, and Science (226-242):  
Airplane pilots and navigators (226):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Air traffic controllers (227):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Broadcast equipment operators (228):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Computer programmers (229-232):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Tool programmers, numerical control (233):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Legal assistants (234):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Technicians, n.e.c. (235-242):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Sales Occupations (243-302):  
Supervisors and proprietors, sales occupations, salaried (243-252) (Class of worker codes 1-5, 7, 9):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Supervisors and proprietors, sales occupations, self employed (243-252) (Class of worker codes 6, 8):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Sales Representatives, Finance and Business Services (253-257):  
Insurance sales occupations (253):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)



- P2. DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.  
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS (203-402):—Con.
- Real estate sales occupations (254):
    - (Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Securities and financial services sales occupations (255):
    - (Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Advertising and related sales occupations (256):
    - (Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Sales occupations, other business services (257):
    - (Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Sales Representatives, Commodities, Except Retail (258-262):
    - Sales engineers (258):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Sales representatives, mining, manufacturing, and wholesale (259-262):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Sales Workers, Retail and Personal Services (263-282):
    - Sales workers, motor vehicles and boats (263):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Sales workers, apparel (264):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Sales workers, shoes (265):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Sales workers, furniture and home furnishings (266):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Sales workers, radio, TV, hi-fi, and appliances (267):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Sales workers, hardware and building supplies (268):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Sales workers, parts (269-273):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Sales workers, other commodities (274):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Sales counter clerks (275):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Cashiers (276):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Street and door-to-door sales workers (277):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - News vendors (278-282):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Sales Related Occupations (283-302):
    - Demonstrators, promoters and models, sales (283):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Auctioneers (284):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Sales support occupations, n.e.c. (285-302):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Administrative Support Occupations, Including Clerical (303-402):
    - Supervisors, Administrative Support Occupations (303-307):
      - Supervisors, general office (303):
        - (Repeat SEX By HISPANIC ORIGIN AND RACE)
      - Supervisors, computer equipment operators (304):
        - (Repeat SEX By HISPANIC ORIGIN AND RACE)
      - Supervisors, financial records processing (305):
        - (Repeat SEX By HISPANIC ORIGIN AND RACE)
      - Chief communications operators (306):
        - (Repeat SEX By HISPANIC ORIGIN AND RACE)
      - Supervisors, distribution, scheduling, and adjusting clerks (307):
        - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Computer Equipment Operators (308-312):
      - Computer operators (308):
        - (Repeat SEX By HISPANIC ORIGIN AND RACE)

- P2. DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.  
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS (203-402):—Con.
- Peripheral equipment operators (309-312):
    - (Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Secretaries, Stenographers, and Typists (313-315):
    - Secretaries (313):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Stenographers (314):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Typists (315):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Information Clerks (316-324):
    - Interviewers (316):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Hotel clerks (317):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Transportation ticket and reservation agents (318):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Receptionists (319-322):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Information clerks, n.e.c. (323-324):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Records Processing Occupations, Except Financial (325-336):
    - Classified-ad clerks (325):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Correspondence clerks (326):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Order clerks (327):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Personnel clerks, except payroll and timekeeping (328):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Library clerks (329-334):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - File clerks (335):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Records clerks (336):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Financial Records Processing Occupations (337-344):
    - Bookkeepers, accounting, and auditing clerks (337):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Payroll and timekeeping clerks (338):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Billing clerks (339-342):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Cost and rate clerks (343):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Billing, posting, and calculating machine operators (344):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Duplicating, Mail and Other Office Machine Operators (345-347):
    - Duplicating machine operators (345):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Mail preparing and paper handling machine operators (346):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Office machine operators, n.e.c. (347):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Communications Equipment Operators (348-353):
    - Telephone operators (348-352):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Communications equipment operators, n.e.c. (353):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Mail and Message Distributing Occupations (354-358):
    - Postal clerks, except mail carriers (354):
      - (Repeat SEX By HISPANIC ORIGIN AND RACE)

P2.	<p>DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.            TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS (203-402):—Con.</p> <p>Mail carriers, postal service (355):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Mail clerks, except postal service (356):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Messengers (357-358):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Material Recording, Scheduling, and Distributing Clerks (359-374):</p> <p>Dispatchers (359-362):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Production coordinators (363):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Traffic, shipping, and receiving clerks (364):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Stock and inventory clerks (365):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Meter readers (366-367):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Weighers, measurers, checkers, and samplers (368-372):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Expeditors (373):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Material recording, scheduling, and distributing clerks, n.e.c. (374):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Adjusters and Investigators (375-378):</p> <p>Insurance adjusters, examiners, and investigators (375):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Investigators and adjusters, except insurance (376):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Eligibility clerks, social welfare (377):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Bill and account collectors (378):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Miscellaneous Administrative Support Occupations (379-402):</p> <p>General office clerks (379-382):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Bank tellers (383):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Proofreaders (384):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Data-entry keyers (385):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Statistical clerks (386):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Teachers' aides (387-388):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Administrative support occupations, n.e.c. (389-402):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>SERVICE OCCUPATIONS (403-472):</p> <p>Private Household Occupations (403-412):</p> <p>Launderers and Ironers (403):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Cooks, private household (404):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Housekeepers and butlers (405):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Child care workers, private household (406):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Private household cleaners and servants (407-412):            (Repeat SEX By HISPANIC ORIGIN AND RACE)</p>
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**P2. DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.  
SERVICE OCCUPATIONS (403-472):—Con.****Protective Service Occupations (413-432):****Supervisors, Protective Service Occupations (413-415):****Supervisors, firefighting and fire prevention occupations (413):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Supervisors, police and detectives (414):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Supervisors, guards (415):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Firefighting and Fire Prevention Occupations (416-417):****Fire inspection and fire prevention occupations (416):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Firefighting occupations (417):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Police and Detectives (418-424):****Police and detectives, public service (418-422):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Sheriffs, bailiffs, and other law enforcement officers (423):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Correctional institution officers (424):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Guards (425-432):****Crossing guards (425):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Guards and police, except public service (426):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Protective service occupations, n.e.c. (427-432):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Service Occupations, Except Protective and Household (433-472):****Food Preparation and Service Occupations (433-444):****Supervisors, food preparation and service occupations (433):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Bartenders (434):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Walters and waitresses (435):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Cooks (436-437):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Food counter, fountain and related occupations (438):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Kitchen workers, food preparation (439-442):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Walters' /waitresses' assistants (443):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Miscellaneous food preparation occupations (444):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Health Service Occupations (445-447):****Dental assistants (445):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Health aides, except nursing (446):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Nursing aides, orderlies, and attendants (447):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Cleaning and Building Service Occupations, Except Household (448-455):****Supervisors, cleaning and building service workers (448):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Maids and housemen (449-452):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Janitors and cleaners (453):****(Repeat SEX By HISPANIC ORIGIN AND RACE)****Elevator operators (454):****(Repeat SEX By HISPANIC ORIGIN AND RACE)**

**P2. DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.  
SERVICE OCCUPATIONS (403-472):—Con.**

Pest control occupations (455):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Personal Service Occupations (456-472):

Supervisors, personal service occupations (456):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Barbers (457):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Hairdressers and cosmetologists (458):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Attendants, amusement and recreation facilities (459-460):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Guides (461):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Ushers (462):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Public transportation attendants (463):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Baggage porters and bellhops (464):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Welfare service aides (465):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Family child care providers (466):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Early childhood teacher's assistants (467):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Child care workers, n.e.c. (468):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Personal service occupations, n.e.c. (469-472):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

**FARMING, FORESTRY, AND FISHING OCCUPATIONS (473-502):**

Farm Operators and Managers (473-476):

Farmers, except horticultural (473):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Horticultural specialty farmers (474):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Managers, farms, except horticultural (475):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Managers, horticultural specialty farms (476):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Other Agricultural and Related Occupations (477-493):

Farm Occupations, Except Managerial (477-484):

Supervisors, farm workers (477-478):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Farm workers (479-482):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Marine life cultivation workers (483):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Nursery workers (484):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Related Agricultural Occupations (485-493):

Supervisors, related agricultural occupations (485):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Groundskeepers and gardeners, except farm (486):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Animal caretakers, except farm (487):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Graders and sorters, agricultural products (488):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

Inspectors, agricultural products (489-493):

(Repeat SEX By HISPANIC ORIGIN AND RACE)

- P2. DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.**  
**FARMING, FORESTRY, AND FISHING OCCUPATIONS (473-502):—Con.**  
Forestry and Logging Occupations (494-496):  
Supervisors, forestry and logging workers (494):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Forestry workers, except logging (495):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Timber cutting and logging occupations (496):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Fishers, Hunters, and Trappers (497-502):  
Captains and other officers, fishing vessels (497):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Fishers (498):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Hunters and trappers (499-502):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
**PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS (503-702):**  
Mechanics and Repairers (503-552):  
Supervisors, mechanics and repairers (503-504):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Mechanics and Repairers, Except Supervisors (505-552):  
Vehicle and Mobile Equipment Mechanics and Repairers (505-517):  
Automobile mechanics, except apprentices (505):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Automobile mechanic apprentices (506):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Bus, truck, and stationary engine mechanics (507):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Aircraft engine mechanics (508):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Small engine repairers (509-513):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Automobile body and related repairers (514):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Aircraft mechanics, except engine (515):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Heavy equipment mechanics (516):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Farm equipment mechanics (517):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Industrial machinery repairers (518):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Machinery maintenance occupations (519-522):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Electrical and Electronic Equipment Repairers (523-533):  
Electronic repairers, communications and industrial equipment (523-524):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Data processing equipment repairers (525):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Household appliance and power tool repairers (526):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Telephone line installers and repairers (527-528):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Telephone installers and repairers (529-532):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Miscellaneous electrical and electronic equipment repairers (533):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Heating, air conditioning, and refrigeration mechanics (534):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Miscellaneous Mechanics and Repairers (535-552):  
Camera, watch, and musical instrument repairers (535):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)

P2. DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.  
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS (503-702):—Con.

- Locksmiths and safe repairers (536-537):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
- Office machine repairers (538):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
- Mechanical controls and valve repairers (539-542):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
- Elevator installers and repairers (543):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
- Millwrights (544-546):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
- Specified mechanics and repairers, n.e.c. (547-548):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
- Not specified mechanics and repairers (549-552):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
- Construction Trades (553-612):
  - Supervisors, Construction Occupations (553-562):
    - Supervisors, brickmasons, stonemasons, and tile setters (553):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Supervisors, carpenters and related workers (554):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Supervisors, electricians and power transmission installers (555):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Supervisors, painters, paperhangers, and plasterers (556):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Supervisors, plumbers, pipefitters, and steamfitters (557):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Supervisors, construction, n.e.c. (558-562):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Construction Trades, Except Supervisors (563-612):
    - Brickmasons and stonemasons, except apprentices (563):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Brickmason and stonemason apprentices (564):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Tile setters, hard and soft (565):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Carpet installers (566):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Carpenters, except apprentices (567-568):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Carpenter apprentices (569-572):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Drywall installers (573-574):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Electricians, except apprentices (575):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Electrician apprentices (576):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Electrical power installers and repairers (577-578):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Painters, construction and maintenance (579-582):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Paperhangers (583):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Plasterers (584):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Plumbers, pipefitters, and steamfitters, except apprentices (585-586):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Plumber, pipefitter, and steamfitter apprentices (587):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
    - Concrete and terrazzo finishers (588):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)

**P2. DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.  
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS (503-702):—Con.**

Glaziers (589-592):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Insulation workers (593):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Paving, surfacing, and tamping equipment operators (594):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Roofers (595):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Sheetmetal duct installers (596):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Structural metal workers (597):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Drillers, earth (598):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Construction trades, n.e.c. (599-612):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Extractive Occupations (613-627):  
Supervisors, extractive occupations (613):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Drillers, oil well (614):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Explosives workers (615):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Mining machine operators (616):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Mining occupations, n.e.c. (617-627):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Precision Production Occupations (628-702):  
Supervisors, production occupations (628-633):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Precision Metal Working Occupations (634-655):  
Tool and die makers, except apprentices (634):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Tool and die maker apprentices (635):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Precision assemblers, metal (636):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Machinists, except apprentices (637-638):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Machinist apprentices (639-642):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Boilermakers (643):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Precision grinders, filers, and tool sharpeners (644):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Patternmakers and model makers, metal (645):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Lay-out workers (646):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Precious stones and metals workers (Jewelers) (647-648):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Engravers, metal (649-652):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Sheet metal workers, except apprentices (653):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Sheet metal worker apprentices (654):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Miscellaneous precision metal workers (655):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)



Table (matrix)	Title	Total number of data cells
P2.	<p>DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.  PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS (503-702):—Con.</p> <p>Precision Woodworking Occupations (656-665):  Patternmakers and model makers, wood (656):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Cabinet makers and bench carpenters (657):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Furniture and wood finishers (658):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Miscellaneous precision woodworkers (659-665):  (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Precision Textile, Apparel, and Furnishings Machine Workers (666-674):  Dressmakers (666):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Tailors (667):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Upholsterers (668):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Shoe repairers (669-673):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Miscellaneous precision apparel and fabric workers (674):  (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Precision Workers, Assorted Materials (675-685):  Hand molders and shapers, except jewelers (675):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Patternmakers, lay-out workers, and cutters (676):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Optical goods workers (677):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Dental laboratory and medical appliance technicians (678):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Bookbinders (679-682):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Electrical and electronic equipment assemblers (683):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Miscellaneous precision workers, n.e.c. (684-685):  (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Precision Food Production Occupations (686-688):  Butchers and meat cutters (686):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Bakers (687):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Food batchmakers (688):  (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Precision Inspectors, Testers, and Related Workers (689-693):  Inspectors, testers, and graders (689-692):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Adjusters and calibrators (693):  (Repeat SEX By HISPANIC ORIGIN AND RACE)</p> <p>Plant and System Operators (694-702):  Water and sewage treatment plant operators (694):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Power plant operators (695):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Stationary engineers (696-698):  (Repeat SEX By HISPANIC ORIGIN AND RACE)  Miscellaneous plant and system operators (699-702):  (Repeat SEX By HISPANIC ORIGIN AND RACE)</p>	

- P2. DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.  
OPERATORS, FABRICATORS, AND LABORERS (703-902):  
Machine Operators, Assemblers, and Inspectors (703-802):  
Machine Operators and Tenders, Except Precision (703-782):  
Metal Working and Plastic Working Machine Operators (703-716):  
Lathe and turning machine set-up operators (703):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Lathe and turning machine operators (704):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Milling and planing machine operators (705):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Punching and stamping press machine operators (706):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Rolling machine operators (707):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Drilling and boring machine operators (708):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Grinding, abrading, buffing, and polishing machine operators (709-712):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Forging machine operators (713):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Numerical control machine operators (714):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Miscellaneous metal, plastic, stone, and glass working machine operators (715-716):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Fabricating machine operators, n.e.c. (717-718):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Metal and Plastic Processing Machine Operators (719-725):  
Molding and casting machine operators (719-722):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Metal plating machine operators (723):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Heat treating equipment operators (724):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Miscellaneous metal and plastic processing machine operators (725):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Woodworking Machine Operators (726-733):  
Wood lathe, routing, and planing machine operators (726):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Sawing machine operators (727):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Shaping and joining machine operators (728):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Nailing and tacking machine operators (729-732):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Miscellaneous woodworking machine operators (733):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Printing Machine Operators (734-737):  
Printing press operators (734):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Photoengravers and lithographers (735):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Typesetters and compositors (736):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Miscellaneous printing machine operators (737):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Textile, Apparel, and Furnishings Machine Operators (738-752):  
Winding and twisting machine operators (738):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Knitting, looping, taping, and weaving machine operators (739-742):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)

**P2. DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.  
OPERATORS, FABRICATORS, AND LABORERS (703-902):—Con.**

Textile cutting machine operators (743):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Textile sewing machine operators (744):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Shoe machine operators (745-746):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Pressing machine operators (747):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Laundering and dry cleaning machine operators (748):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Miscellaneous textile machine operators (749-752):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Machine Operators, Assorted Materials (753-782):  
Cementing and gluing machine operators (753):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Packaging and filling machine operators (754):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Extruding and forming machine operators (755):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Mixing and blending machine operators (756):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Separating, filtering, and clarifying machine operators (757):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Compressing and compacting machine operators (758):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Painting and paint spraying machine operators (759-762):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Roasting and baking machine operators, food (763):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Washing, cleaning, and pickling machine operators (764):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Folding machine operators (765):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Furnace, kiln, and oven operators, except food (766-767):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Crushing and grinding machine operators (768):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Slicing and cutting machine operators (769-772):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Motion picture projectionists (773):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Photographic process machine operators (774-776):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Miscellaneous machine operators, n. e. c. (777-778):  
Manufacturing, nondurable goods (777-778) (Industry codes 100-229):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Manufacturing, durable goods (777-778) (Industry codes 230-399):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Nonmanufacturing industries (777-778) (Industry codes 010-099, 400-999):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Machine Operators, not specified (779-782):  
Manufacturing, nondurable goods (779-782) (Industry codes 100-229):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Manufacturing, durable goods (779-782) (Industry codes 230-399):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Nonmanufacturing industries (779-782) (Industry codes 010-099, 400-999):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)  
Fabricators, Assemblers, and Hand Working Occupations (783-795):  
Welders and cutters (783):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)

- P2. DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.  
OPERATORS, FABRICATORS, AND LABORERS (703-902)—Con.
- Solderers and brazers (784):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Assemblers (785):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Hand cutting and trimming occupations (786):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Hand molding, casting, and forming occupations (787-788):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Hand painting, coating, and decorating occupations (789-792):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Hand engraving and printing occupations (793-794):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Miscellaneous hand working occupations (795):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Production Inspectors, Testers, Samplers, and Weighers (796-802):  
Production inspectors, checkers, and examiners (796):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Production testers (797):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Production samplers and weighers (798):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Graders and sorters, except agricultural (799-802):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Transportation and Material Moving Occupations (803-863):  
Motor Vehicle Operators (803-822):  
Supervisors, motor vehicle operators (803):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Truck drivers (804-805):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Driver-sales workers (806-807):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Bus drivers (808):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Taxicab drivers and chauffeurs (809-812):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Parking lot attendants (813):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Motor transportation occupations, n.e.c. (814-822):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Transportation Occupations, Except Motor Vehicles (823-842):  
Rail Transportation Occupations (823-827):  
Railroad conductors and yardmasters (823):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Locomotive operating occupations (824):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Railroad brake, signal, and switch operators (825):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Rail vehicle operators, n.e.c. (826-827):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Water Transportation Occupations (828-842):  
Ship captains and mates, except fishing boats (828):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Sailors and deckhands (829-832):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Marine engineers (833):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Bridge, lock, and lighthouse tenders (834-842):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)
  - Material Moving Equipment Operators (843-863):  
Supervisors, material moving equipment operators (843):  
(Repeat SEX By HISPANIC ORIGIN AND RACE)

- P2. DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.  
 OPERATORS, FABRICATORS, AND LABORERS (703-902):—Con.  
   Operating engineers (844):  
     (Repeat SEX By HISPANIC ORIGIN AND RACE)  
   Longshore equipment operators (845-847):  
     (Repeat SEX By HISPANIC ORIGIN AND RACE)  
   Hoist and winch operators (848):  
     (Repeat SEX By HISPANIC ORIGIN AND RACE)  
   Crane and tower operators (849-852):  
     (Repeat SEX By HISPANIC ORIGIN AND RACE)  
   Excavating and loading machine operators (853-854):  
     (Repeat SEX By HISPANIC ORIGIN AND RACE)  
   Grader, dozer, and scraper operators (855):  
     (Repeat SEX By HISPANIC ORIGIN AND RACE)  
   Industrial truck and tractor equipment operators (856-858):  
     (Repeat SEX By HISPANIC ORIGIN AND RACE)  
   Miscellaneous material moving equipment operators (859-863):  
     (Repeat SEX By HISPANIC ORIGIN AND RACE)  
 Handlers, Equipment Cleaners, Helpers, and Laborers (864-902):  
   Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (864):  
     (Repeat SEX By HISPANIC ORIGIN AND RACE)  
   Helpers, mechanics, and repairers (865):  
     (Repeat SEX By HISPANIC ORIGIN AND RACE)  
   Helpers, Construction, and Extractive Occupations (866-868):  
     Helpers, construction trades (866):  
       (Repeat SEX By HISPANIC ORIGIN AND RACE)  
     Helpers, surveyor (867):  
       (Repeat SEX By HISPANIC ORIGIN AND RACE)  
     Helpers, extractive occupations (868):  
       (Repeat SEX By HISPANIC ORIGIN AND RACE)  
   Construction laborers (869-873):  
     (Repeat SEX By HISPANIC ORIGIN AND RACE)  
   Production helpers (874):  
     (Repeat SEX By HISPANIC ORIGIN AND RACE)  
   Freight, Stock, and Material Handlers (874-884):  
     Garbage collectors (875):  
       (Repeat SEX By HISPANIC ORIGIN AND RACE)  
     Stevedores (876):  
       (Repeat SEX By HISPANIC ORIGIN AND RACE)  
     Stock handlers and baggers (877):  
       (Repeat SEX By HISPANIC ORIGIN AND RACE)  
     Machine feeders and offbearers (878-882):  
       (Repeat SEX By HISPANIC ORIGIN AND RACE)  
     Freight, stock, and material handlers, n.e.c. (883-884):  
       (Repeat SEX By HISPANIC ORIGIN AND RACE)  
   Garage and service station related occupations (885-886):  
     (Repeat SEX By HISPANIC ORIGIN AND RACE)  
   Vehicle washers and equipment cleaners (887):  
     (Repeat SEX By HISPANIC ORIGIN AND RACE)  
   Hand packers and packagers (888):  
     (Repeat SEX By HISPANIC ORIGIN AND RACE)  
   Laborers, except construction (889-902):  
     Manufacturing, nondurable goods (889-902) (Industry codes 100-229):  
       (Repeat SEX By HISPANIC ORIGIN AND RACE)  
     Manufacturing, durable goods (889-902) (Industry codes 230-399):  
       (Repeat SEX By HISPANIC ORIGIN AND RACE)  
     Transportation, communications, and other public utilities (889-902) (Industry  
       codes 400-499):  
       (Repeat SEX By HISPANIC ORIGIN AND RACE)  
     Wholesale and retail trade (889-902) (Industry codes 500-699):  
       (Repeat SEX By HISPANIC ORIGIN AND RACE)  
     All other industries (889-902) (Industry codes 010-099, 700-999):  
       (Repeat SEX By HISPANIC ORIGIN AND RACE)

Table (matrix)	Title	Total number of data cells
P2.	<p>DETAILED OCCUPATION(512) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6)—Con.  EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION (000, 903-999):  Unemployed, no recent civilian work experience (000, 903-999):  (Repeat SEX By HISPANIC ORIGIN AND RACE)</p>	
P3.	<p>DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)..... 5120  <i>Universe: Civilian labor force</i>  MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS (001-202):  Executive, Administrative, and Managerial Occupations (001-042):  Legislators (001-003):  Male:  White  Black  American Indian, Eskimo, or Aleut  Asian or Pacific Islander  Other race  Female:  (Repeat RACE)  Chief executives and general administrators, public administration (004):  (Repeat SEX By RACE)  Administrators and officials, public administration (005):  (Repeat SEX By RACE)  Administrators, protective services (006):  (Repeat SEX By RACE)  Financial managers (007):  (Repeat SEX By RACE)  Personnel and labor relations managers (008):  (Repeat SEX By RACE)  Purchasing managers (009-012):  (Repeat SEX By RACE)  Managers, marketing, advertising, and public relations (013):  (Repeat SEX By RACE)  Administrators, education and related fields (014):  (Repeat SEX By RACE)  Managers, medicine and health (015):  (Repeat SEX By RACE)  Postmasters and mail superintendents (016):  (Repeat SEX By RACE)  Managers, food serving and lodging establishments (017):  (Repeat SEX By RACE)  Managers, properties and real estate (018):  (Repeat SEX By RACE)  Funeral directors (019-020):  (Repeat SEX By RACE)  Managers, service organizations, n.e.c. (021):  (Repeat SEX By RACE)  Managers and administrators, n.e.c. (022):  Managers and administrators, n.e.c., salaried (022) (Class of worker codes 1-5, 7, 9):  (Repeat SEX By RACE)  Managers and administrators, n.e.c., self-employed (022) (Class of worker codes 6, 8):  (Repeat SEX By RACE)  Management Related Occupations (023-042):  Accountants and auditors (023):  (Repeat SEX By RACE)  Underwriters (024):  (Repeat SEX By RACE)  Other financial officers (025):  (Repeat SEX By RACE)  Management analysts (026):  (Repeat SEX By RACE)  Personnel, training, and labor relations specialists (027):  (Repeat SEX By RACE)  Purchasing agents and buyers, farm products (028):  (Repeat SEX By RACE)</p>	

P3.	<p>DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con.</p> <p>MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS (001-202):—Con.</p> <p>Buyers, wholesale and retail trade, except farm products (029-032):</p> <p>(Repeat SEX By RACE)</p> <p>Purchasing agents and buyers, n.e.c. (033):</p> <p>(Repeat SEX By RACE)</p> <p>Business and promotion agents (034):</p> <p>(Repeat SEX By RACE)</p> <p>Construction inspectors (035):</p> <p>(Repeat SEX By RACE)</p> <p>Inspectors and compliance officers, except construction (036):</p> <p>(Repeat SEX By RACE)</p> <p>Management related occupations, n.e.c. (037-042):</p> <p>(Repeat SEX By RACE)</p> <p>Professional Specialty Occupations (043-202):</p> <p>Engineers, Architects, and Surveyors (043-063):</p> <p>Architects (043):</p> <p>(Repeat SEX By RACE)</p> <p>Engineers (044-062):</p> <p>Aerospace (044):</p> <p>(Repeat SEX By RACE)</p> <p>Metallurgical and materials (045):</p> <p>(Repeat SEX By RACE)</p> <p>Mining (046):</p> <p>(Repeat SEX By RACE)</p> <p>Petroleum (047):</p> <p>(Repeat SEX By RACE)</p> <p>Chemical (048):</p> <p>(Repeat SEX By RACE)</p> <p>Nuclear (049-052):</p> <p>(Repeat SEX By RACE)</p> <p>Civil (053):</p> <p>(Repeat SEX By RACE)</p> <p>Agricultural (054):</p> <p>(Repeat SEX By RACE)</p> <p>Electrical and electronic (055):</p> <p>(Repeat SEX By RACE)</p> <p>Industrial (056):</p> <p>(Repeat SEX By RACE)</p> <p>Mechanical (057):</p> <p>(Repeat SEX By RACE)</p> <p>Marine and naval architects (058):</p> <p>(Repeat SEX By RACE)</p> <p>Engineers, n.e.c. (059-062):</p> <p>(Repeat SEX By RACE)</p> <p>Surveyors and mapping scientists (063):</p> <p>(Repeat SEX By RACE)</p> <p>Mathematical and Computer Scientists (064-068):</p> <p>Computer systems analysts and scientists (064):</p> <p>(Repeat SEX By RACE)</p> <p>Operations and systems researchers and analysts (065):</p> <p>(Repeat SEX By RACE)</p> <p>Actuaries (066):</p> <p>(Repeat SEX By RACE)</p> <p>Statisticians (067):</p> <p>(Repeat SEX By RACE)</p> <p>Mathematical scientists, n.e.c. (068):</p> <p>(Repeat SEX By RACE)</p> <p>Natural Scientists (069-083):</p> <p>Physicists and astronomers (069-072):</p> <p>(Repeat SEX By RACE)</p> <p>Chemists, except biochemists (073):</p> <p>(Repeat SEX By RACE)</p>	
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P3.	DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con. MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS (001-202):—Con. Atmospheric and space scientists (074): (Repeat SEX By RACE) Geologists and geodesists (075): (Repeat SEX By RACE) Physical scientists, n.e.c. (076): (Repeat SEX By RACE) Agricultural and food scientists (077): (Repeat SEX By RACE) Biological and life scientists (078): (Repeat SEX By RACE) Forestry and conservation scientists (079-082): (Repeat SEX By RACE) Medical scientists (083): (Repeat SEX By RACE) Health Diagnosing Occupations (084-094): Physicians (084): (Repeat SEX By RACE) Dentists (085): (Repeat SEX By RACE) Veterinarians (086): (Repeat SEX By RACE) Optometrists (087): (Repeat SEX By RACE) Podiatrists (088): (Repeat SEX By RACE) Health diagnosing practitioners, n.e.c. (089-094): (Repeat SEX By RACE) Health Assessment and Treating Occupations (095-112): Registered nurses (095): (Repeat SEX By RACE) Pharmacists (096): (Repeat SEX By RACE) Dietitians (097): (Repeat SEX By RACE) Therapists (098-105): Respiratory therapists (098): (Repeat SEX By RACE) Occupational therapists (099-102): (Repeat SEX By RACE) Physical therapists (103): (Repeat SEX By RACE) Speech therapists (104): (Repeat SEX By RACE) Therapists, n.e.c. (105): (Repeat SEX By RACE) Physicians' assistants (106-112): (Repeat SEX By RACE) Teachers, Postsecondary (113-154): Earth, environmental, and marine science teachers (113): (Repeat SEX By RACE) Biological science teachers (114): (Repeat SEX By RACE) Chemistry teachers (115): (Repeat SEX By RACE) Physics teachers (116): (Repeat SEX By RACE) Natural science teachers, n.e.c. (117): (Repeat SEX By RACE) Psychology teachers (118): (Repeat SEX By RACE)
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P3. DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con.  
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS (001-202):—Con.

Economics teachers (119-122):  
(Repeat SEX By RACE)  
History teachers (123):  
(Repeat SEX By RACE)  
Political science teachers (124):  
(Repeat SEX By RACE)  
Sociology teachers (125):  
(Repeat SEX By RACE)  
Social science teachers, n.e.c. (126):  
(Repeat SEX By RACE)  
Engineering teachers (127):  
(Repeat SEX By RACE)  
Mathematical science teachers (128):  
(Repeat SEX By RACE)  
Computer science teachers (129-132):  
(Repeat SEX By RACE)  
Medical science teachers (133):  
(Repeat SEX By RACE)  
Health specialties teachers (134):  
(Repeat SEX By RACE)  
Business, commerce, and marketing teachers (135):  
(Repeat SEX By RACE)  
Agriculture and forestry teachers (136):  
(Repeat SEX By RACE)  
Art, drama, and music teachers (137):  
(Repeat SEX By RACE)  
Physical education teachers (138):  
(Repeat SEX By RACE)  
Education teachers (139-142):  
(Repeat SEX By RACE)  
English teachers (143):  
(Repeat SEX By RACE)  
Foreign language teachers (144):  
(Repeat SEX By RACE)  
Law teachers (145):  
(Repeat SEX By RACE)  
Social work teachers (146):  
(Repeat SEX By RACE)  
Theology teachers (147):  
(Repeat SEX By RACE)  
Trade and industrial teachers (148):  
(Repeat SEX By RACE)  
Home economics teachers (149-152):  
(Repeat SEX By RACE)  
Teachers, postsecondary, n.e.c. (153):  
(Repeat SEX By RACE)  
Postsecondary teachers, subject not specified (154):  
(Repeat SEX By RACE)  
Teachers, Except Postsecondary (155-162):  
Teachers, prekindergarten and kindergarten (155):  
(Repeat SEX By RACE)  
Teachers, elementary school (156):  
(Repeat SEX By RACE)  
Teachers, secondary school (157):  
(Repeat SEX By RACE)  
Teachers, special education (158):  
(Repeat SEX By RACE)  
Teachers, n.e.c. (159-162):  
(Repeat SEX By RACE)  
Counselors, Educational and Vocational (163):  
(Repeat SEX By RACE)

P3.	DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con. MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS (001-202):—Con. Librarians, Archivists, and Curators (164-165): Librarians (164): (Repeat SEX By RACE) Archivists and curators (165): (Repeat SEX By RACE) Social Scientists and Urban Planners (166-173): Economists (166): (Repeat SEX By RACE) Psychologists (167): (Repeat SEX By RACE) Sociologists (168): (Repeat SEX By RACE) Social scientists, n.e.c. (169-172): (Repeat SEX By RACE) Urban planners (173): (Repeat SEX By RACE) Social, Recreation, and Religious Workers (174-177): Social workers (174): (Repeat SEX By RACE) Recreation workers (175): (Repeat SEX By RACE) Clergy (176): (Repeat SEX By RACE) Religious workers, n.e.c. (177): (Repeat SEX By RACE) Lawyers and Judges (178-182): Lawyers (178): (Repeat SEX By RACE) Judges (179-182): (Repeat SEX By RACE) Writers, Artists, Entertainers, and Athletes (183-202): Authors (183): (Repeat SEX By RACE) Technical writers (184): (Repeat SEX By RACE) Designers (185): (Repeat SEX By RACE) Musicians and composers (186): (Repeat SEX By RACE) Actors and directors (187): (Repeat SEX By RACE) Painters, sculptors, craft-artists, and artist printmakers (188): (Repeat SEX By RACE) Photographers (189-192): (Repeat SEX By RACE) Dancers (193): (Repeat SEX By RACE) Artists, performers, and related workers, n.e.c. (194): (Repeat SEX By RACE) Editors and reporters (195-196): (Repeat SEX By RACE) Public relations specialists (197): (Repeat SEX By RACE) Announcers (198): (Repeat SEX By RACE) Athletes (199-202): (Repeat SEX By RACE)
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Table (matrix)	Title	Total number of data cells
P3.	<p>DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con.  TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS (203-402):  Technicians and Related Support Occupations (203-242):  Health Technologists and Technicians (203-212):  Clinical laboratory technologists and technicians (203):  (Repeat SEX By RACE)  Dental hygienists (204):  (Repeat SEX By RACE)  Health record technologists and technicians (205):  (Repeat SEX By RACE)  Radiologic technicians (206):  (Repeat SEX By RACE)  Licensed practical nurses (207):  (Repeat SEX By RACE)  Health technologists and technicians, n.e.c. (208-212):  (Repeat SEX By RACE)  Technologists and Technicians, Except Health (213-242):  Engineering and Related Technologists and Technicians (213-222):  Electrical and electronic technicians (213):  (Repeat SEX By RACE)  Industrial engineering technicians (214):  (Repeat SEX By RACE)  Mechanical engineering technicians (215):  (Repeat SEX By RACE)  Engineering technicians, n.e.c. (216):  (Repeat SEX By RACE)  Drafting occupations (217):  (Repeat SEX By RACE)  Surveying and mapping technicians (218-222):  (Repeat SEX By RACE)  Science Technicians (223-225):  Biological technicians (223):  (Repeat SEX By RACE)  Chemical technicians (224):  (Repeat SEX By RACE)  Science technicians, n.e.c. (225):  (Repeat SEX By RACE)  Technicians, Except Health, Engineering, and Science (226-242):  Airplane pilots and navigators (226):  (Repeat SEX By RACE)  Air traffic controllers (227):  (Repeat SEX By RACE)  Broadcast equipment operators (228):  (Repeat SEX By RACE)  Computer programmers (229-232):  (Repeat SEX By RACE)  Tool programmers, numerical control (233):  (Repeat SEX By RACE)  Legal assistants (234):  (Repeat SEX By RACE)  Technicians, n.e.c. (235-242):  (Repeat SEX By RACE)  Sales Occupations (243-302):  Supervisors and proprietors, sales occupations, salaried (243-252) (Class of worker codes 1-5, 7, 9):  (Repeat SEX By RACE)  Supervisors and proprietors, sales occupations, self employed (243-252) (Class of worker codes 6, 8):  (Repeat SEX By RACE)  Sales Representatives, Finance and Business Services (253-257):  Insurance sales occupations (253):  (Repeat SEX By RACE)</p>	

- P3. DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con.  
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS (203-402):—Con.
- Real estate sales occupations (254):  
(Repeat SEX By RACE)
  - Securities and financial services sales occupations (255):  
(Repeat SEX By RACE)
  - Advertising and related sales occupations (256):  
(Repeat SEX By RACE)
  - Sales occupations, other business services (257):  
(Repeat SEX By RACE)
  - Sales Representatives, Commodities, Except Retail (258-262):
    - Sales engineers (258):  
(Repeat SEX By RACE)
    - Sales representatives, mining, manufacturing, and wholesale (259-262):  
(Repeat SEX By RACE)
  - Sales Workers, Retail and Personal Services (263-282):
    - Sales workers, motor vehicles and boats (263):  
(Repeat SEX By RACE)
    - Sales workers, apparel (264):  
(Repeat SEX By RACE)
    - Sales workers, shoes (265):  
(Repeat SEX By RACE)
    - Sales workers, furniture and home furnishings (266):  
(Repeat SEX By RACE)
    - Sales workers, radio, TV, hi-fi, and appliances (267):  
(Repeat SEX By RACE)
    - Sales workers, hardware and building supplies (268):  
(Repeat SEX By RACE)
    - Sales workers, parts (269-273):  
(Repeat SEX By RACE)
    - Sales workers, other commodities (274):  
(Repeat SEX By RACE)
    - Sales counter clerks (275):  
(Repeat SEX By RACE)
    - Cashiers (276):  
(Repeat SEX By RACE)
    - Street and door-to-door sales workers (277):  
(Repeat SEX By RACE)
    - News vendors (278-282):  
(Repeat SEX By RACE)
  - Sales Related Occupations (283-302):
    - Demonstrators, promoters and models, sales (283):  
(Repeat SEX By RACE)
    - Auctioneers (284):  
(Repeat SEX By RACE)
    - Sales support occupations, n.e.c. (285-302):  
(Repeat SEX By RACE)
  - Administrative Support Occupations, Including Clerical (303-402):
    - Supervisors, Administrative Support Occupations (303-307):
      - Supervisors, general office (303):  
(Repeat SEX By RACE)
      - Supervisors, computer equipment operators (304):  
(Repeat SEX By RACE)
      - Supervisors, financial records processing (305):  
(Repeat SEX By RACE)
      - Chief communications operators (306):  
(Repeat SEX By RACE)
      - Supervisors, distribution, scheduling, and adjusting clerks (307):  
(Repeat SEX By RACE)
    - Computer Equipment Operators (308-312):
      - Computer operators (308):  
(Repeat SEX By RACE)

Table (matrix)	Title	Total number of data cells
P3.	<p>DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con.  TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS (203-402):—Con.  Peripheral equipment operators (309-312):  (Repeat SEX By RACE)  Secretaries, Stenographers, and Typists (313-315):  Secretaries (313):  (Repeat SEX By RACE)  Stenographers (314):  (Repeat SEX By RACE)  Typists (315):  (Repeat SEX By RACE)  Information Clerks (316-324):  Interviewers (316):  (Repeat SEX By RACE)  Hotel clerks (317):  (Repeat SEX By RACE)  Transportation ticket and reservation agents (318):  (Repeat SEX By RACE)  Receptionists (319-322):  (Repeat SEX By RACE)  Information clerks, n.e.c. (323-324):  (Repeat SEX By RACE)  Records Processing Occupations, Except Financial (325-336):  Classified-ad clerks (325):  (Repeat SEX By RACE)  Correspondence clerks (326):  (Repeat SEX By RACE)  Order clerks (327):  (Repeat SEX By RACE)  Personnel clerks, except payroll and timekeeping (328):  (Repeat SEX By RACE)  Library clerks (329-334):  (Repeat SEX By RACE)  File clerks (335):  (Repeat SEX By RACE)  Records clerks (336):  (Repeat SEX By RACE)  Financial Records Processing Occupations (337-344):  Bookkeepers, accounting, and auditing clerks (337):  (Repeat SEX By RACE)  Payroll and timekeeping clerks (338):  (Repeat SEX By RACE)  Billing clerks (339-342):  (Repeat SEX By RACE)  Cost and rate clerks (343):  (Repeat SEX By RACE)  Billing, posting, and calculating machine operators (344):  (Repeat SEX By RACE)  Duplicating, Mail and Other Office Machine Operators (345-347):  Duplicating machine operators (345):  (Repeat SEX By RACE)  Mail preparing and paper handling machine operators (346):  (Repeat SEX By RACE)  Office machine operators, n.e.c. (347):  (Repeat SEX By RACE)  Communications Equipment Operators (348-353):  Telephone operators (348-352):  (Repeat SEX By RACE)  Communications equipment operators, n.e.c. (353):  (Repeat SEX By RACE)  Mail and Message Distributing Occupations (354-358):  Postal clerks, except mail carriers (354):  (Repeat SEX By RACE)</p>	

- P3. DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con.  
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS (203-402):—Con.
- Mail carriers, postal service (355):  
(Repeat SEX By RACE)
  - Mail clerks, except postal service (356):  
(Repeat SEX By RACE)
  - Messengers (357-358):  
(Repeat SEX By RACE)
  - Material Recording, Scheduling, and Distributing Clerks (359-374):
    - Dispatchers (359-362):  
(Repeat SEX By RACE)
    - Production coordinators (363):  
(Repeat SEX By RACE)
    - Traffic, shipping, and receiving clerks (364):  
(Repeat SEX By RACE)
    - Stock and inventory clerks (365):  
(Repeat SEX By RACE)
    - Meter readers (366-367):  
(Repeat SEX By RACE)
    - Weighers, measurers, checkers, and samplers (368-372):  
(Repeat SEX By RACE)
    - Expeditors (373):  
(Repeat SEX By RACE)
    - Material recording, scheduling, and distributing clerks, n.e.c. (374):  
(Repeat SEX By RACE)
  - Adjusters and Investigators (375-378):
    - Insurance adjusters, examiners, and investigators (375):  
(Repeat SEX By RACE)
    - Investigators and adjusters, except insurance (376):  
(Repeat SEX By RACE)
    - Eligibility clerks, social welfare (377):  
(Repeat SEX By RACE)
    - Bill and account collectors (378):  
(Repeat SEX By RACE)
  - Miscellaneous Administrative Support Occupations (379-403):
    - General office clerks (379-382):  
(Repeat SEX By RACE)
    - Bank tellers (383):  
(Repeat SEX By RACE)
    - Proofreaders (384):  
(Repeat SEX By RACE)
    - Data-entry keyers (385):  
(Repeat SEX By RACE)
    - Statistical clerks (386):  
(Repeat SEX By RACE)
    - Teachers' aides (387-388):  
(Repeat SEX By RACE)
    - Administrative support occupations, n.e.c. (389-402):  
(Repeat SEX By RACE)
  - SERVICE OCCUPATIONS (403-473):
    - Private Household Occupations (403-412):
      - Launderers and ironers (403):  
(Repeat SEX By RACE)
      - Cooks, private household (404):  
(Repeat SEX By RACE)
      - Housekeepers and butlers (405):  
(Repeat SEX By RACE)
      - Child care workers, private household (406):  
(Repeat SEX By RACE)
    - Private household cleaners and servants (407-412):  
(Repeat SEX By RACE)

Table (matrix)	Title	Total number of data cells
P3.	<p>DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con.  SERVICE OCCUPATIONS (403-473):—Con.  Protective Service Occupations (413-432):  Supervisors, Protective Service Occupations (413-415):  Supervisors, firefighting and fire prevention occupations (413):  (Repeat SEX By RACE)  Supervisors, police and detectives (414):  (Repeat SEX By RACE)  Supervisors, guards (415):  (Repeat SEX By RACE)  Firefighting and Fire Prevention Occupations (416-417):  Fire inspection and fire prevention occupations (416):  (Repeat SEX By RACE)  Firefighting occupations (417):  (Repeat SEX By RACE)  Police and Detectives (418-424):  Police and detectives, public service (418-422):  (Repeat SEX By RACE)  Sheriffs, bailiffs, and other law enforcement officers (423):  (Repeat SEX By RACE)  Correctional institution officers (424):  (Repeat SEX By RACE)  Guards (425-432):  Crossing guards (425):  (Repeat SEX By RACE)  Guards and police, except public service (426):  (Repeat SEX By RACE)  Protective service occupations, n.e.c. (427-432):  (Repeat SEX By RACE)  Service Occupations, Except Protective and Household (433-472):  Food Preparation and Service Occupations (433-444):  Supervisors, food preparation and service occupations (433):  (Repeat SEX By RACE)  Bartenders (434):  (Repeat SEX By RACE)  Waiters and waitresses (435):  (Repeat SEX By RACE)  Cooks (436-437):  (Repeat SEX By RACE)  Food counter, fountain and related occupations (438):  (Repeat SEX By RACE)  Kitchen workers, food preparation (439-442):  (Repeat SEX By RACE)  Waiters'/waitresses' assistants (443):  (Repeat SEX By RACE)  Miscellaneous food preparation occupations (444):  (Repeat SEX By RACE)  Health Service Occupations (445-447):  Dental assistants (445):  (Repeat SEX By RACE)  Health aides, except nursing (446):  (Repeat SEX By RACE)  Nursing aides, orderlies, and attendants (447):  (Repeat SEX By RACE)  Cleaning and Building Service Occupations, Except Household (448-455):  Supervisors, cleaning and building service workers (448):  (Repeat SEX By RACE)  Maids and housemen (449-452):  (Repeat SEX By RACE)  Janitors and cleaners (453):  (Repeat SEX By RACE)  Elevator operators (454):  (Repeat SEX By RACE)</p>	

- P3. DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con.  
 SERVICE OCCUPATIONS (403-473):—Con.  
   Pest control occupations (455):  
     (Repeat SEX By RACE)  
   Personal Service Occupations (456-472):  
     Supervisors, personal service occupations (456):  
       (Repeat SEX By RACE)  
     Barbers (457):  
       (Repeat SEX By RACE)  
     Hairdressers and cosmetologists (458):  
       (Repeat SEX By RACE)  
     Attendants, amusement and recreation facilities (459-460):  
       (Repeat SEX By RACE)  
     Guides (461):  
       (Repeat SEX By RACE)  
     Ushers (462):  
       (Repeat SEX By RACE)  
     Public transportation attendants (463):  
       (Repeat SEX By RACE)  
     Baggage porters and bellhops (464):  
       (Repeat SEX By RACE)  
     Welfare service aides (465):  
       (Repeat SEX By RACE)  
     Family child care providers (466):  
       (Repeat SEX By RACE)  
     Early childhood teacher's assistants (467):  
       (Repeat SEX By RACE)  
     Child care workers, n.e.c. (468):  
       (Repeat SEX By RACE)  
     Personal service occupations, n.e.c. (469-472):  
       (Repeat SEX By RACE)  
 FARMING, FORESTRY, AND FISHING OCCUPATIONS (473-502):  
   Farm Operators and Managers (473-476):  
     Farmers, except horticultural (473):  
       (Repeat SEX By RACE)  
     Horticultural specialty farmers (474):  
       (Repeat SEX By RACE)  
     Managers, farms, except horticultural (475):  
       (Repeat SEX By RACE)  
     Managers, horticultural specialty farms (476):  
       (Repeat SEX By RACE)  
   Other Agricultural and Related Occupations (477-493):  
     Farm Occupations, Except Managerial (477-484):  
       Supervisors, farm workers (477-478):  
         (Repeat SEX By RACE)  
       Farm workers (479-482):  
         (Repeat SEX By RACE)  
       Marine life cultivation workers (483):  
         (Repeat SEX By RACE)  
       Nursery workers (484):  
         (Repeat SEX By RACE)  
     Related Agricultural Occupations (485-493):  
       Supervisors, related agricultural occupations (485):  
         (Repeat SEX By RACE)  
       Groundskeepers and gardeners, except farm (486):  
         (Repeat SEX By RACE)  
       Animal caretakers, except farm (487):  
         (Repeat SEX By RACE)  
       Graders and sorters, agricultural products (488):  
         (Repeat SEX By RACE)  
       Inspectors, agricultural products (489-493):  
         (Repeat SEX By RACE)



P3.	<p>DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con.  FARMING, FORESTRY, AND FISHING OCCUPATIONS (473-502):—Con.</p> <p>Forestry and Logging Occupations (494-496):  Supervisors, forestry and logging workers (494):  (Repeat SEX By RACE)  Forestry workers, except logging (495):  (Repeat SEX By RACE)  Timber cutting and logging occupations (496):  (Repeat SEX By RACE)</p> <p>Fishers, Hunters, and Trappers (497-502):  Captains and other officers, fishing vessels (497):  (Repeat SEX By RACE)  Fishers (498):  (Repeat SEX By RACE)  Hunters and trappers (499-502):  (Repeat SEX By RACE)</p> <p>PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS (503-702):  Mechanics and Repairers (503-552):  Supervisors, mechanics and repairers (503-504):  (Repeat SEX By RACE)  Mechanics and Repairers, Except Supervisors (505-552):  Vehicle and Mobile Equipment Mechanics and Repairers (505-517):  Automobile mechanics, except apprentices (505):  (Repeat SEX By RACE)  Automobile mechanic apprentices (506):  (Repeat SEX By RACE)  Bus, truck, and stationary engine mechanics (507):  (Repeat SEX By RACE)  Aircraft engine mechanics (508):  (Repeat SEX By RACE)  Small engine repairers (509-513):  (Repeat SEX By RACE)  Automobile body and related repairers (514):  (Repeat SEX By RACE)  Aircraft mechanics, except engine (515):  (Repeat SEX By RACE)  Heavy equipment mechanics (516):  (Repeat SEX By RACE)  Farm equipment mechanics (517):  (Repeat SEX By RACE)  Industrial machinery repairers (518):  (Repeat SEX By RACE)  Machinery maintenance occupations (519-522):  (Repeat SEX By RACE)  Electrical and Electronic Equipment Repairers (523-533):  Electronic repairers, communications and industrial equipment (523-524):  (Repeat SEX By RACE)  Data processing equipment repairers (525):  (Repeat SEX By RACE)  Household appliance and power tool repairers (526):  (Repeat SEX By RACE)  Telephone line installers and repairers (527-528):  (Repeat SEX By RACE)  Telephone installers and repairers (529-532):  (Repeat SEX By RACE)  Miscellaneous electrical and electronic equipment repairers (533):  (Repeat SEX By RACE)  Heating, air conditioning, and refrigeration mechanics (534):  (Repeat SEX By RACE)  Miscellaneous Mechanics and Repairers (535-552):  Camera, watch, and musical instrument repairers (535):  (Repeat SEX By RACE)</p>
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P3.	<p>DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con.  PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS (503-702):—Con.</p> <p>Locksmiths and safe repairers (536-537):  (Repeat SEX By RACE)</p> <p>Office machine repairers (538):  (Repeat SEX By RACE)</p> <p>Mechanical controls and valve repairers (539-542):  (Repeat SEX By RACE)</p> <p>Elevator installers and repairers (543):  (Repeat SEX By RACE)</p> <p>Millwrights (544-546):  (Repeat SEX By RACE)</p> <p>Specified mechanics and repairers, n.e.c. (547-548):  (Repeat SEX By RACE)</p> <p>Not specified mechanics and repairers (549-552):  (Repeat SEX By RACE)</p> <p>Construction Trades (553-612):</p> <p>Supervisors, Construction Occupations (553-562):</p> <p>Supervisors, brickmasons, stonemasons, and tile setters (553):  (Repeat SEX By RACE)</p> <p>Supervisors, carpenters and related workers (554):  (Repeat SEX By RACE)</p> <p>Supervisors, electricians and power transmission installers (555):  (Repeat SEX By RACE)</p> <p>Supervisors, painters, paperhangers, and plasterers (556):  (Repeat SEX By RACE)</p> <p>Supervisors, plumbers, pipefitters, and steamfitters (557):  (Repeat SEX By RACE)</p> <p>Supervisors, construction, n.e.c. (558-562):  (Repeat SEX By RACE)</p> <p>Construction Trades, Except Supervisors (563-612):</p> <p>Brickmasons and stonemasons, except apprentices (563):  (Repeat SEX By RACE)</p> <p>Brickmason and stonemason apprentices (564):  (Repeat SEX By RACE)</p> <p>Tile setters, hard and soft (565):  (Repeat SEX By RACE)</p> <p>Carpet installers (566):  (Repeat SEX By RACE)</p> <p>Carpenters, except apprentices (567-568):  (Repeat SEX By RACE)</p> <p>Carpenter apprentices (569-572):  (Repeat SEX By RACE)</p> <p>Drywall installers (573-574):  (Repeat SEX By RACE)</p> <p>Electricians, except apprentices (575):  (Repeat SEX By RACE)</p> <p>Electrician apprentices (576):  (Repeat SEX By RACE)</p> <p>Electrical power installers and repairers (577-578):  (Repeat SEX By RACE)</p> <p>Painters, construction and maintenance (579-582):  (Repeat SEX By RACE)</p> <p>Paperhangers (583):  (Repeat SEX By RACE)</p> <p>Plasterers (584):  (Repeat SEX By RACE)</p> <p>Plumbers, pipefitters, and steamfitters, except apprentices (585-586):  (Repeat SEX By RACE)</p> <p>Plumber, pipefitter, and steamfitter apprentices (587):  (Repeat SEX By RACE)</p> <p>Concrete and terrazzo finishers (588):  (Repeat SEX By RACE)</p>
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P3.	DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con. PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS (503-702):—Con.
	Glaziers (589-592): (Repeat SEX By RACE)
	Insulation workers (593): (Repeat SEX By RACE)
	Paving, surfacing, and tamping equipment operators (594): (Repeat SEX By RACE)
	Roofers (595): (Repeat SEX By RACE)
	Sheetmetal duct installers (596): (Repeat SEX By RACE)
	Structural metal workers (597): (Repeat SEX By RACE)
	Drillers, earth (598): (Repeat SEX By RACE)
	Construction trades, n.e.c. (599-612): (Repeat SEX By RACE)
	Extractive Occupations (613-627):
	Supervisors, extractive occupations (613): (Repeat SEX By RACE)
	Drillers, oil well (614): (Repeat SEX By RACE)
	Explosives workers (615): (Repeat SEX By RACE)
	Mining machine operators (616): (Repeat SEX By RACE)
	Mining occupations, n.e.c. (617-627): (Repeat SEX By RACE)
	Precision Production Occupations (628-702):
	Supervisors, production occupations (628-633): (Repeat SEX By RACE)
	Precision Metal Working Occupations (634-655):
	Tool and die makers, except apprentices (634): (Repeat SEX By RACE)
	Tool and die maker apprentices (635): (Repeat SEX By RACE)
	Precision assemblers, metal (636): (Repeat SEX By RACE)
	Machinists, except apprentices (637-638): (Repeat SEX By RACE)
	Machinist apprentices (639-642): (Repeat SEX By RACE)
	Boilermakers (643): (Repeat SEX By RACE)
	Precision grinders, filers, and tool sharpeners (644): (Repeat SEX By RACE)
	Patternmakers and model makers, metal (645): (Repeat SEX By RACE)
	Lay-out workers (646): (Repeat SEX By RACE)
	Precious stones and metals workers (Jewelers) (647-648): (Repeat SEX By RACE)
	Engravers, metal (649-652): (Repeat SEX By RACE)
	Sheet metal workers, except apprentices (653): (Repeat SEX By RACE)
	Sheet metal worker apprentices (654): (Repeat SEX By RACE)
	Miscellaneous precision metal workers (655): (Repeat SEX By RACE)

- P3. DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con.  
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS (503-702):—Con.
- Precision Woodworking Occupations (656-665):
    - Patternmakers and model makers, wood (656):  
(Repeat SEX By RACE)
    - Cabinet makers and bench carpenters (657):  
(Repeat SEX By RACE)
    - Furniture and wood finishers (658):  
(Repeat SEX By RACE)
    - Miscellaneous precision woodworkers (659-665):  
(Repeat SEX By RACE)
  - Precision Textile, Apparel, and Furnishings Machine Workers (666-674):
    - Dressmakers (666):  
(Repeat SEX By RACE)
    - Tailors (667):  
(Repeat SEX By RACE)
    - Upholsterers (668):  
(Repeat SEX By RACE)
    - Shoe repairers (669-673):  
(Repeat SEX By RACE)
    - Miscellaneous precision apparel and fabric workers (674):  
(Repeat SEX By RACE)
  - Precision Workers, Assorted Materials (675-685):
    - Hand molders and shapers, except jewelers (675):  
(Repeat SEX By RACE)
    - Patternmakers, lay-out workers, and cutters (676):  
(Repeat SEX By RACE)
    - Optical goods workers (677):  
(Repeat SEX By RACE)
    - Dental laboratory and medical appliance technicians (678):  
(Repeat SEX By RACE)
    - Bookbinders (679-682):  
(Repeat SEX By RACE)
    - Electrical and electronic equipment assemblers (683):  
(Repeat SEX By RACE)
    - Miscellaneous precision workers, n.e.c. (684-685):  
(Repeat SEX By RACE)
  - Precision Food Production Occupations (686-688):
    - Butchers and meat cutters (686):  
(Repeat SEX By RACE)
    - Bakers (687):  
(Repeat SEX By RACE)
    - Food batchmakers (688):  
(Repeat SEX By RACE)
  - Precision Inspectors, Testers, and Related Workers (689-693):
    - Inspectors, testers, and graders (689-692):  
(Repeat SEX By RACE)
    - Adjusters and calibrators (693):  
(Repeat SEX By RACE)
  - Plant and System Operators (694-702):
    - Water and sewage treatment plant operators (694):  
(Repeat SEX By RACE)
    - Power plant operators (695):  
(Repeat SEX By RACE)
    - Stationary engineers (696-698):  
(Repeat SEX By RACE)
    - Miscellaneous plant and system operators (699-702):  
(Repeat SEX By RACE)
  - OPERATORS, FABRICATORS, AND LABORERS (703-902):
    - Machine Operators, Assemblers, and Inspectors (703-802):
      - Machine Operators and Tenders, Except Precision (703-782):
        - Metal Working and Plastic Working Machine Operators (703-716):

Table (matrix)	Title	Total number of data cells
P3.	<p>DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con.  OPERATORS, FABRICATORS, AND LABORERS (703-902):—Con.</p> <p>Lathe and turning machine set-up operators (703):  (Repeat SEX By RACE)</p> <p>Lathe and turning machine operators (704):  (Repeat SEX By RACE)</p> <p>Milling and planing machine operators (705):  (Repeat SEX By RACE)</p> <p>Punching and stamping press machine operators (706):  (Repeat SEX By RACE)</p> <p>Rolling machine operators (707):  (Repeat SEX By RACE)</p> <p>Drilling and boring machine operators (708):  (Repeat SEX By RACE)</p> <p>Grinding, abrading, buffing, and polishing machine operators (709-712):  (Repeat SEX By RACE)</p> <p>Forging machine operators (713):  (Repeat SEX By RACE)</p> <p>Numerical control machine operators (714):  (Repeat SEX By RACE)</p> <p>Miscellaneous metal, plastic, stone, and glass working machine  operators (715-716):  (Repeat SEX By RACE)</p> <p>Fabricating machine operators, n.e.c. (717-718):  (Repeat SEX By RACE)</p> <p>Metal and Plastic Processing Machine Operators (719-725):</p> <p>Molding and casting machine operators (719-722):  (Repeat SEX By RACE)</p> <p>Metal plating machine operators (723):  (Repeat SEX By RACE)</p> <p>Heat treating equipment operators (724):  (Repeat SEX By RACE)</p> <p>Miscellaneous metal and plastic processing machine operators (725):  (Repeat SEX By RACE)</p> <p>Woodworking Machine Operators (726-733):</p> <p>Wood lathe, routing, and planing machine operators (726):  (Repeat SEX By RACE)</p> <p>Sawing machine operators (727):  (Repeat SEX By RACE)</p> <p>Shaping and joining machine operators (728):  (Repeat SEX By RACE)</p> <p>Nailing and tacking machine operators (729-732):  (Repeat SEX By RACE)</p> <p>Miscellaneous woodworking machine operators (733):  (Repeat SEX By RACE)</p> <p>Printing Machine Operators (734-737):</p> <p>Printing press operators (734):  (Repeat SEX By RACE)</p> <p>Photoengravers and lithographers (735):  (Repeat SEX By RACE)</p> <p>Typesetters and compositors (736):  (Repeat SEX By RACE)</p> <p>Miscellaneous printing machine operators (737):  (Repeat SEX By RACE)</p> <p>Textile, Apparel, and Furnishings Machine Operators (738-752):</p> <p>Winding and twisting machine operators (738):  (Repeat SEX By RACE)</p> <p>Knitting, looping, taping, and weaving machine operators (739-742):  (Repeat SEX By RACE)</p> <p>Textile cutting machine operators (743):  (Repeat SEX By RACE)</p> <p>Textile sewing machine operators (744):  (Repeat SEX By RACE)</p>	

P3.	<p>DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con.</p> <p>OPERATORS, FABRICATORS, AND LABORERS (703-902):—Con.</p> <p>Shoe machine operators (745-746): (Repeat SEX By RACE)</p> <p>Pressing machine operators (747): (Repeat SEX By RACE)</p> <p>Laundering and dry cleaning machine operators (748): (Repeat SEX By RACE)</p> <p>Miscellaneous textile machine operators (749-752): (Repeat SEX By RACE)</p> <p>Machine Operators, Assorted Materials (753-782):</p> <p>Cementing and gluing machine operators (753): (Repeat SEX By RACE)</p> <p>Packaging and filling machine operators (754): (Repeat SEX By RACE)</p> <p>Extruding and forming machine operators (755): (Repeat SEX By RACE)</p> <p>Mixing and blending machine operators (756): (Repeat SEX By RACE)</p> <p>Separating, filtering, and clarifying machine operators (757): (Repeat SEX By RACE)</p> <p>Compressing and compacting machine operators (758): (Repeat SEX By RACE)</p> <p>Painting and paint spraying machine operators (759-762): (Repeat SEX By RACE)</p> <p>Roasting and baking machine operators, food (763): (Repeat SEX By RACE)</p> <p>Washing, cleaning, and pickling machine operators (764): (Repeat SEX By RACE)</p> <p>Folding machine operators (765): (Repeat SEX By RACE)</p> <p>Furnace, kiln, and oven operators, except food (766-767): (Repeat SEX By RACE)</p> <p>Crushing and grinding machine operators (768): (Repeat SEX By RACE)</p> <p>Slicing and cutting machine operators (769-772): (Repeat SEX By RACE)</p> <p>Motion picture projectionists (773): (Repeat SEX By RACE)</p> <p>Photographic process machine operators (774-776): (Repeat SEX By RACE)</p> <p>Miscellaneous machine operators, n. e. c. (777-778):</p> <p>Manufacturing, nondurable goods (777-778) (Industry codes 100-229): (Repeat SEX By RACE)</p> <p>Manufacturing, durable goods (777-778) (Industry codes 230-399): (Repeat SEX By RACE)</p> <p>Nonmanufacturing industries (777-778) (Industry codes 010-099, 400-999): (Repeat SEX By RACE)</p> <p>Machine operators, not specified (779-782):</p> <p>Manufacturing, nondurable goods (779-782) (Industry codes 100-229): (Repeat SEX By RACE)</p> <p>Manufacturing, durable goods (779-782) (Industry codes 230-399): (Repeat SEX By RACE)</p> <p>Nonmanufacturing industries (779-782) (Industry codes 010-099, 400-999): (Repeat SEX By RACE)</p> <p>Fabricators, Assemblers, and Hand Working Occupations (783-795):</p> <p>Welders and cutters (783): (Repeat SEX By RACE)</p> <p>Solderers and brazers (784): (Repeat SEX By RACE)</p> <p>Assemblers (785): (Repeat SEX By RACE)</p>
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- P3. DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con.  
 OPERATORS, FABRICATORS, AND LABORERS (703-902):—Con.
- Hand cutting and trimming occupations (786):  
 (Repeat SEX By RACE)
  - Hand molding, casting, and forming occupations (787-788):  
 (Repeat SEX By RACE)
  - Hand painting, coating, and decorating occupations (789-792):  
 (Repeat SEX By RACE)
  - Hand engraving and printing occupations (793-794):  
 (Repeat SEX By RACE)
  - Miscellaneous hand working occupations (795):  
 (Repeat SEX By RACE)
  - Production Inspectors, Testers, Samplers, and Weighers (796-802):  
 Production inspectors, checkers, and examiners (796):  
 (Repeat SEX By RACE)
  - Production testers (797):  
 (Repeat SEX By RACE)
  - Production samplers and weighers (798):  
 (Repeat SEX By RACE)
  - Graders and sorters, except agricultural (799-802):  
 (Repeat SEX By RACE)
  - Transportation and Material Moving Occupations (803-863):  
 Motor Vehicle Operators (803-822):  
 Supervisors, motor vehicle operators (803):  
 (Repeat SEX By RACE)
  - Truck drivers (804-805):  
 (Repeat SEX By RACE)
  - Driver-sales workers (806-807):  
 (Repeat SEX By RACE)
  - Bus drivers (808):  
 (Repeat SEX By RACE)
  - Taxicab drivers and chauffeurs (809-812):  
 (Repeat SEX By RACE)
  - Parking lot attendants (813):  
 (Repeat SEX By RACE)
  - Motor transportation occupations, n.e.c. (814-822):  
 (Repeat SEX By RACE)
  - Transportation Occupations, Except Motor Vehicles (823-842):  
 Rail Transportation Occupations (823-827):  
 Railroad conductors and yardmasters (823):  
 (Repeat SEX By RACE)
  - Locomotive operating occupations (824):  
 (Repeat SEX By RACE)
  - Railroad brake, signal, and switch operators (825):  
 (Repeat SEX By RACE)
  - Rail vehicle operators, n.e.c. (826-827):  
 (Repeat SEX By RACE)
  - Water Transportation Occupations (828-842):  
 Ship captains and mates, except fishing boats (828):  
 (Repeat SEX By RACE)
  - Sailors and deckhands (829-832):  
 (Repeat SEX By RACE)
  - Marine engineers (833):  
 (Repeat SEX By RACE)
  - Bridge, lock, and lighthouse tenders (834-842):  
 (Repeat SEX By RACE)
  - Material Moving Equipment Operators (843-863):  
 Supervisors, material moving equipment operators (843):  
 (Repeat SEX By RACE)
  - Operating engineers (844):  
 (Repeat SEX By RACE)
  - Longshore equipment operators (845-847):  
 (Repeat SEX By RACE)

P3.	<p>DETAILED OCCUPATION(512) BY SEX(2) BY RACE(5)—Con.  OPERATORS, FABRICATORS, AND LABORERS (703-902):—Con.</p> <p>Hoist and winch operators (848):  (Repeat SEX By RACE)</p> <p>Crane and tower operators (849-852):  (Repeat SEX By RACE)</p> <p>Excavating and loading machine operators (853-854):  (Repeat SEX By RACE)</p> <p>Grader, dozer, and scraper operators (855):  (Repeat SEX By RACE)</p> <p>Industrial truck and tractor equipment operators (856-858):  (Repeat SEX By RACE)</p> <p>Miscellaneous material moving equipment operators (859-863):  (Repeat SEX By RACE)</p> <p>Handlers, Equipment Cleaners, Helpers, and Laborers (864-902):</p> <p>Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (864):  (Repeat SEX By RACE)</p> <p>Helpers, mechanics, and repairers (865):  (Repeat SEX By RACE)</p> <p>Helpers, Construction, and Extractive Occupations (866-868):</p> <p>Helpers, construction trades (866):  (Repeat SEX By RACE)</p> <p>Helpers, surveyor (867):  (Repeat SEX By RACE)</p> <p>Helpers, extractive occupations (868):  (Repeat SEX By RACE)</p> <p>Construction laborers (869-873):  (Repeat SEX By RACE)</p> <p>Production helpers (874):  (Repeat SEX By RACE)</p> <p>Freight, Stock, and Material Handlers (875-884):</p> <p>Garbage collectors (875):  (Repeat SEX By RACE)</p> <p>Stevedores (876):  (Repeat SEX By RACE)</p> <p>Stock handlers and baggers (877):  (Repeat SEX By RACE)</p> <p>Machine feeders and offbearers (878-882):  (Repeat SEX By RACE)</p> <p>Freight, stock, and material handlers, n.e.c. (883-884):  (Repeat SEX By RACE)</p> <p>Garage and service station related occupations (885-886):  (Repeat SEX By RACE)</p> <p>Vehicle washers and equipment cleaners (887):  (Repeat SEX By RACE)</p> <p>Hand packers and packagers (888):  (Repeat SEX By RACE)</p> <p>Laborers, except construction (889-902):</p> <p>Manufacturing, nondurable goods (889-902) (Industry codes 100-229):  (Repeat SEX By RACE)</p> <p>Manufacturing, durable goods (889-902) (Industry codes 230-399):  (Repeat SEX By RACE)</p> <p>Transportation, communications, and other public utilities (889-902) (Industry codes 400-499):  (Repeat SEX By RACE)</p> <p>Wholesale and retail trade (889-902) (Industry codes 500-699):  (Repeat SEX By RACE)</p> <p>All other Industries (889-902) (Industry codes 010-099, 700-999):  (Repeat SEX By RACE)</p> <p>EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION (000, 903-999):</p> <p>Unemployed, no recent civilian work experience (000, 903-999):  (Repeat SEX By RACE)</p>
-----	--



Table (matrix)	Title	Total number of data cells
P4.	EDUCATIONAL ATTAINMENT(5) BY SEX(2) ..... <i>Universe: Civilian labor force</i> Not high school graduate: Male Female High school graduate (Includes equivalency): (Repeat SEX) Some college or associate degree: (Repeat SEX) Bachelor's degree: (Repeat SEX) Graduate or professional degree: (Repeat SEX)	10
P5.	EDUCATIONAL ATTAINMENT(5) BY AGE(7) BY SEX(2) BY HISPANIC ORIGIN AND RACE(6) ..... <i>Universe: Civilian labor force</i> Not high school graduate: 16 to 19 years: Male: Hispanic origin White, not of Hispanic origin Black, not of Hispanic origin American Indian, Eskimo, or Aleut, not of Hispanic origin Asian or Pacific Islander, not of Hispanic origin Other race, not of Hispanic origin Female: (Repeat HISPANIC ORIGIN AND RACE) 20 to 24 years: (Repeat SEX By HISPANIC ORIGIN AND RACE) 25 to 29 years: (Repeat SEX By HISPANIC ORIGIN AND RACE) 30 to 34 years: (Repeat SEX By HISPANIC ORIGIN AND RACE) 35 to 39 years: (Repeat SEX By HISPANIC ORIGIN AND RACE) 40 to 69 years: (Repeat SEX By HISPANIC ORIGIN AND RACE) 70 years and over: (Repeat SEX By HISPANIC ORIGIN AND RACE) High school graduate (includes equivalency): (Repeat AGE By SEX By HISPANIC ORIGIN AND RACE) Some college or associate degree: (Repeat AGE By SEX By HISPANIC ORIGIN AND RACE) Bachelor's degree: (Repeat AGE By SEX By HISPANIC ORIGIN AND RACE) Graduate or professional degree: (Repeat AGE By SEX By HISPANIC ORIGIN AND RACE)	420
P6.	EDUCATIONAL ATTAINMENT(5) BY AGE(7) BY SEX(2) BY RACE(5) ..... <i>Universe: Civilian labor force</i> Not high school graduate: 16 to 19 years: Male: White Black American Indian, Eskimo, or Aleut Asian or Pacific Islander Other race Female: (Repeat RACE) 20 to 24 years: (Repeat SEX By RACE) 25 to 29 years: (Repeat SEX By RACE)	350

P6. EDUCATIONAL ATTAINMENT(5) BY AGE(7) BY SEX(2) BY RACE(5)—Con.

30 to 34 years:  
(Repeat SEX By RACE)  
35 to 39 years:  
(Repeat SEX By RACE)  
40 to 69 years:  
(Repeat SEX By RACE)  
70 years and over:  
(Repeat SEX By RACE)  
High school graduate (includes equivalency):  
(Repeat AGE By SEX By RACE)  
Some college or associate degree:  
(Repeat AGE By SEX By RACE)  
Bachelor's degree:  
(Repeat AGE By SEX By RACE)  
Graduate or professional degree:  
(Repeat AGE By SEX By RACE)

<p><b>23a. How did this person usually get to work LAST WEEK?</b> If this person usually used more than one method of transportation during the trip, fill the circle of the one used for most of the distance.</p> <p> <input type="radio"/> Car, truck, or van      <input type="radio"/> Motorcycle  <input type="radio"/> Bus or trolley bus      <input type="radio"/> Bicycle  <input type="radio"/> Streetcar or trolley car      <input type="radio"/> Walked  <input type="radio"/> Subway or elevated      <input type="radio"/> Worked at home  <input type="radio"/> Railroad      <input type="radio"/> Ferryboat      <input type="radio"/> Taxi  <input type="radio"/> Taxicab      <input type="radio"/> Other method         </p> <p>If "car, truck, or van" is marked in 23a, go to 23b. Otherwise, skip to 24a.</p> <p><b>b. How many people, including this person, usually rode to work in the car, truck, or van LAST WEEK?</b></p> <p> <input type="radio"/> Drove alone      <input type="radio"/> 5 people  <input type="radio"/> 2 people      <input type="radio"/> 6 people  <input type="radio"/> 3 people      <input type="radio"/> 7 to 9 people  <input type="radio"/> 4 people      <input type="radio"/> 10 or more people         </p>	<p><b>28. Industry or Employer</b></p> <p><b>a. For whom did this person work?</b> If now on active duty in the Armed Forces, fill this circle <input type="radio"/> and print the branch of the Armed Forces.</p> <p>_____</p> <p>(Name of company, business, or other employer)</p> <p><b>b. What kind of business or industry was this?</b> Describe the activity at location where employed.</p> <p>_____</p> <p>(For example: hospital, newspaper publishing, mail order house, auto engine manufacturing, retail bakery)</p> <p><b>c. In this mainly — Fill ONE circle</b></p> <p> <input type="radio"/> Manufacturing      <input type="radio"/> Other (agriculture, construction, service, government, etc.)  <input type="radio"/> Wholesale trade  <input type="radio"/> Retail trade         </p>	<p><b>32. INCOME IN 1989 —</b> Fill the "Yes" circle below for each income source received during 1989. Otherwise, fill the "No" circle. If "Yes," enter the total amount received during 1989. For income received jointly, see instruction guide. If exact amount is not known, please give best estimate. If net income was a loss, write "Loss" above the dollar amount.</p> <p><b>a. Wages, salary, commissions, bonuses, or tips from all jobs — Report amount before deductions for taxes, bonds, dues, or other items.</b></p> <p> <input type="radio"/> Yes      \$ _____  <input type="radio"/> No      \$ _____          Annual amount — Dollars       </p> <p><b>b. Self-employment income from own nonfarm business, including proprietorship and partnership — Report NET income after business expenses.</b></p> <p> <input type="radio"/> Yes      \$ _____  <input type="radio"/> No      \$ _____          Annual amount — Dollars       </p> <p><b>c. Farm self-employment income — Report NET income after operating expenses. Include earnings as a tenant farmer or sharecropper.</b></p> <p> <input type="radio"/> Yes      \$ _____  <input type="radio"/> No      \$ _____          Annual amount — Dollars       </p> <p><b>d. Interest, dividends, net rental income or royalty income, or income from estates and trusts — Report even small amounts credited to an account.</b></p> <p> <input type="radio"/> Yes      \$ _____  <input type="radio"/> No      \$ _____          Annual amount — Dollars       </p> <p><b>e. Social Security or Railroad Retirement</b></p> <p> <input type="radio"/> Yes      \$ _____  <input type="radio"/> No      \$ _____          Annual amount — Dollars       </p> <p><b>f. Supplemental Security Income (SSI), Aid to Families with Dependent Children (AFDC), or other public assistance or public welfare payments.</b></p> <p> <input type="radio"/> Yes      \$ _____  <input type="radio"/> No      \$ _____          Annual amount — Dollars       </p> <p><b>g. Retirement, survivor, or disability pensions — Do NOT include Social Security.</b></p> <p> <input type="radio"/> Yes      \$ _____  <input type="radio"/> No      \$ _____          Annual amount — Dollars       </p> <p><b>h. Any other sources of income received regularly such as Veterans' (VA) payments, unemployment compensation, child support, or alimony — Do NOT include lump-sum payments such as money from an inheritance or the sale of a home.</b></p> <p> <input type="radio"/> Yes      \$ _____  <input type="radio"/> No      \$ _____          Annual amount — Dollars       </p>
<p><b>24a. What time did this person usually leave home to go to work LAST WEEK?</b></p> <p>_____ a.m. _____ p.m.</p> <p><b>b. How many minutes did it usually take this person to get from home to work LAST WEEK?</b></p> <p>_____ Minutes — Skip to 28</p>	<p><b>29. Occupation</b></p> <p><b>a. What kind of work was this person doing?</b></p> <p>_____</p> <p>(For example: registered nurse, personnel manager, supervisor of order department, gasoline engine assembler, cake icer)</p> <p><b>b. What were this person's most important activities or duties?</b></p> <p>_____</p> <p>(For example: patient care, directing hiring policies, supervising order clerks, assembling engines, tending calves)</p>	<p><b>32. INCOME IN 1989 —</b> (Continued from previous page)</p>
<p><b>25. Was this person TEMPORARILY absent or on layoff from a job or business LAST WEEK?</b></p> <p> <input type="radio"/> Yes, on layoff  <input type="radio"/> Yes, on vacation, temporary illness, labor dispute, etc.  <input type="radio"/> No         </p>	<p><b>30. Was this person — Fill ONE circle</b></p> <p> <input type="radio"/> Employee of a PRIVATE FOR PROFIT company or business or of an individual, for wages, salary, or commissions  <input type="radio"/> Employee of a PRIVATE NOT-FOR-PROFIT, tax-exempt, or charitable organization  <input type="radio"/> Local GOVERNMENT employee (city, county, etc.)  <input type="radio"/> State GOVERNMENT employee  <input type="radio"/> Federal GOVERNMENT employee  <input type="radio"/> SELF-EMPLOYED in own NOT INCORPORATED business, professional practice, or farm  <input type="radio"/> SELF-EMPLOYED in own INCORPORATED business, professional practice, or farm  <input type="radio"/> Working WITHOUT PAY in family business or farm         </p>	<p><b>32. INCOME IN 1989 —</b> (Continued from previous page)</p>
<p><b>26a. Has this person been looking for work during the last 4 weeks?</b></p> <p> <input type="radio"/> Yes  <input type="radio"/> No — Skip to 27         </p> <p><b>b. Could this person have taken a job LAST WEEK if one had been offered?</b></p> <p> <input type="radio"/> No, already has a job  <input type="radio"/> No, temporarily ill  <input type="radio"/> No, other reasons (in school, etc.)  <input type="radio"/> Yes, could have taken a job         </p>	<p><b>31a. Last year (1989), did this person work, even for a few days, at a paid job or in a business or farm?</b></p> <p> <input type="radio"/> Yes  <input type="radio"/> No — Skip to 32         </p> <p><b>b. How many weeks did this person work in 1989?</b> Count paid vacation, paid sick leave, and military service.</p> <p>_____ Weeks</p>	<p><b>32. INCOME IN 1989 —</b> (Continued from previous page)</p>
<p><b>27. When did this person last work, even for a few days?</b></p> <p> <input type="radio"/> 1990      <input type="radio"/> 1980 to 1984  <input type="radio"/> 1989      <input type="radio"/> 1979 or earlier  <input type="radio"/> 1988      <input type="radio"/> Never worked  <input type="radio"/> 1985 to 1987         </p> <p>Go to 28      Skip to 32</p>	<p><b>c. During the weeks WORKED in 1989, how many hours did this person usually work each week?</b></p> <p>_____ Hours</p>	<p><b>32. INCOME IN 1989 —</b> (Continued from previous page)</p>
<p><b>28-30. CURRENT OR MOST RECENT JOB ACTIVITY.</b> Describe clearly this person's chief job activity or business last week. If this person had more than one job, describe the one at which this person worked the most hours. If this person had no job or business last week, give information for his/her last job or business since 1985.</p>	<p><b>31a. Last year (1989), did this person work, even for a few days, at a paid job or in a business or farm?</b> (Continued from previous page)</p>	<p><b>33. What was this person's total income in 1989?</b> Add entries in questions 32a through 32h; subtract any losses. If total amount was a loss, write "Loss" above amount.</p> <p> <input type="radio"/> None      OR      \$ _____          Annual amount — Dollars       </p>

Please turn the page and answer questions for Person 2 listed on page 1. If this is the last person listed in question 1a on page 1, go to the back of the form.

# SUMMARY LEVEL SEQUENCE CHARTS

## State Files

<u>Summary level area</u>	<u>Summary level code</u>	<u>Geographic component code</u>
State	040	00
State—County	050	00
State [12 States only—CT, ME, MA, MI, MN, NH, NJ, NY, PA, RI, VT, WI]—County Subdivision [50,000 or more persons] <sup>1</sup>	068	00
State—Place [50,000 or more persons] <sup>1</sup>	168	00

<sup>1</sup>County subdivisions and places will be sorted together alphabetically sequenced by FIPS 55 code.

# United States/Metropolitan Area File

<u>Summary level area</u>	<u>Summary level code</u>	<u>Geographic component code</u>
United States	010	00
Metropolitan Statistical Area/Consolidated Metropolitan Statistical Area	300	00
Consolidated Metropolitan Statistical Area—Primary Metropolitan Statistical Area	301	00

## USER NOTES

User notes supply file purchasers with additional or corrected information which becomes available after the technical documentation or files are prepared. They are issued in a numbered series and automatically mailed to all users who purchase technical documentation from the Census Bureau. Other users may obtain them by subscribing to the user note series. Contact Customer Services (301-763-4100) for subscription information.

Each user note has a cover sheet which should be filed following this page. Technical documentation replacement pages will follow the cover sheet. These pages are to be filed in their proper location and the original pages destroyed. Replacement pages can be readily identified, because they have the user note date on the lower outside portion of each page.



**CENSUS OF POPULATION AND HOUSING, 1990:  
EQUAL EMPLOYMENT OPPORTUNITY (EEO) FILE 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.)

**Occupation Codes**—The occupation stub used in the EEO Tables (Matrices) differs slightly from the code list for occupations shown in appendix H.

The EEO file subdivides two occupations by self employed and salaried. These are:

Managers and administrators, n.e.c.  
Supervisors and proprietors, sales occupations

There are three occupations subdivided by several industry groups. These are:

Miscellaneous machine operators, n.e.c.  
Machine operators, not specified  
Laborers, except construction

The Precision Production major group has several categories for apprentices. Most other census tabulations include apprentices in the total number for their eventual occupation, followed by the apprentices shown as a part of that occupation. For example:

Code	Occupation
505, 506	Automobile mechanics
506	Automobile mechanic apprentices

In the EEO file, however, the main occupation does not include the number for apprentices. For example:

Code	Occupation
505	Automobile mechanics, except apprentices
506	Automobile mechanics apprentices

The code list shows three military occupation categories. Since the EEO file is for the civilian labor force, these are not shown in the tables.

The content of the last line in the table "unemployed, no recent civilian work experience" is unique for the EEO file. It is composed of three components of unemployed persons. These are:

People looking for their first job  
Unemployed who last worked 1984 or earlier  
Unemployed whose last job was in the Armed Forces

September 1992

## USER NOTE ORDERING INFORMATION

Additional information concerning this file may be available at a later date. User notes, along with technical notes, are automatically sent to all Census Bureau data purchasers.

Users who purchase their data from other sources may subscribe to the user/technical note series at a cost of \$40 annually.

Data User Services Division  
Customer Services Branch  
Bureau of the Census  
Washington, DC 20233

.....

Name of File:    **Census of Population and Housing, 1990: Equal Employment Opportunity (EEO) File  
on CD-ROM**

Please send me any information that becomes available later concerning the file listed above.

Name:

Address:

City and State:

ZIP Code:



# DATA DICTIONARY

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## IDENTIFICATION SECTION

Field name	Data dictionary reference name	Field size	Starting position	Data type
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### Record Codes

File Identification <sup>1</sup> .....	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 United States
DE	Delaware	ME	Maine	OH	Ohio	VT	Vermont
FL	Florida	MI	Michigan	OK	Oklahoma	WA	Washington
GA	Georgia	MN	Minnesota	OR	Oregon	WI	Wisconsin
HI	Hawaii	MO	Missouri	PA	Pennsylvania	WV	West Virginia
IA	Iowa	MS	Mississippi	PR	Puerto Rico	WY	Wyoming
		MT	Montana	RI	Rhode Island		

Summary Level <sup>2</sup> .....	SUMLEV	3	11	N
Geographic Component <sup>3</sup> .....	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

NOTE: See footnotes at the end of this section.

# IDENTIFICATION SECTION—Con.

Field name	Data dictionary reference name	Field size	Starting position	Data type
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]				

Characteristic Iteration <sup>4</sup>.....CHARITER 3 16 N

000 Not a characteristic iteration

Logical Record Number <sup>5</sup>.....LOGRECNU 6 19 N

Logical Record Part Number <sup>6</sup>.....LOGRECPN 4 25 N

Total Number of Parts in Record <sup>7</sup>.....PARTREC 4 29 N

## Geographic Area Codes

Alaska Native Regional Corporation <sup>8</sup>.....ANRC 2 33 A/N

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

American Indian/Alaska Native Area (Census) <sup>9</sup>.....AIANACE 4 35 A/N

American Indian/Alaska Native Area (FIPS) <sup>10</sup>.....AIANAFP 5 39 A/N

American Indian/Alaska Native Area Class Code.....AIANACC 2 44 A/N

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

NOTE: See footnotes at the end of this section.

# IDENTIFICATION SECTION—Con.

Field name	Data dictionary reference name	Field size	Starting position	Data type
<div> 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 </div>				
American Indian Reservation Trust Land Indicator Code.....	ARTLI	1	46	A/N
<div> 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 </div>				
Block <sup>8</sup> .....	BLCK	4	47	A/N
Block Group <sup>8</sup> .....	BLCKGR	1	51	A/N
Census Tract/Block Numbering Area <sup>8</sup> .....	TRACTBNA	6	52	A/N
Congressional District (101st Congress) <sup>8</sup> .....	CONGDIS	2	58	A/N
<div> 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 </div>				
Consolidated City (Census) <sup>8</sup> .....	CONCITCE	1	60	A/N
<div> B Butte-Silver Bow, Montana      I Indianapolis, Indiana      M Milford, Connecticut  C Columbus, Georgia              J Jacksonville, Florida      N Nashville-Davidson, Tennessee </div>				
Consolidated City (FIPS) <sup>8,10</sup> .....	CONCITFP	5	61	A/N
Consolidated City Class Code <sup>10</sup> .....	CONCITCC	2	66	A/N
<div>C3 Consolidated city</div>				
Consolidated City Population Size Code.....	CONCITSC	2	68	A/N
<div> 00 Not in universe      06 250-299      12 2,500-4,999      18 100,000-249,999  01 0      07 300-499      13 5,000-9,999      19 250,000-499,999  02 1-24      08 500-999      14 10,000-19,999      20 500,000-999,999  03 25-99      09 1,000-1,499      15 20,000-24,999      21 1,000,000-2,499,999  04 100-199      10 1,500-1,999      16 25,000-49,999      22 2,500,000-4,999,999  05 200-249      11 2,000-2,499      17 50,000-99,999      23 5,000,000 or more </div>				
Consolidated Metropolitan Statistical Area <sup>9</sup> .....	CMSA	2	70	A/N
County <sup>9</sup> .....	CNTY	3	72	A/N

NOTE: See footnotes at the end of this section.

DATA DICTIONARY

# IDENTIFICATION SECTION—Con.

Field name	Data dictionary reference name	Field size	Starting position	Data type
County Population Size Code.....	CNTYSC	2	75	A/N

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

County Subdivision (Census) <sup>9</sup> .....COUSUBCE 3 77 A/N

County Subdivision (FIPS) <sup>10</sup> .....COUSUBFP 5 80 A/N

County Subdivision Class 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
- T5 Governmentally active MCD that is coextensive with an incorporated place
- Z1 MCD that is governmentally inactive or cannot provide general-purpose governmental services
- Z3 Unorganized territory identified by the Census Bureau as an MCD equivalent for presenting census data
- Z5 Census county division (CCD); census subarea (CSA) (Alaska only); census subdistrict (Virgin Islands only)
- Z7 Incorporated place that the Census Bureau treats as a minor civil division (MCD) equivalent because it is not in any MCD or is coextensive with a legally established but nonfunctioning MCD that the Census Bureau does not recognize for data presentation, AND is located in a State or county whose MCDs cannot provide governmental services (Iowa and Nebraska only)

County Subdivision Population Size Code .....COUSUBSC 2 87 A/N

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

Division <sup>8</sup> .....DIVIS 1 89 A/N

0 Not in a division	4 West North Central	7 West South Central
1 New England	5 South Atlantic	8 Mountain
2 Middle Atlantic	6 East South Central	9 Pacific
3 East North Central		

Extended City Indicator <sup>8</sup> .....EXTCITIN 1 90 A/N

1 Extended city	9 Not an extended city
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Internal Use Code <sup>11</sup> .....INTUC 15 91 A/N

NOTE: See footnotes at the end of this section.

# IDENTIFICATION SECTION—Con.

Field name	Data dictionary reference name	Field size	Starting position	Data type
Metropolitan Statistical Area/Consolidated Metropolitan Statistical Area <sup>9</sup> .....	MSACMSA	4	106	A/N
MSA/CMSA Population Size Code .....	MSACMSAS	2	110	A/N

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

Place (Census) <sup>9</sup> .....	PLACECE	4	112	A/N
Place (FIPS) <sup>10</sup> .....	PLACEFP	5	116	A/N
Place Class Code .....	PLACECC	2	121	A/N

- 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.

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)

NOTE: See footnotes at the end of this section.

DATA DICTIONARY

# IDENTIFICATION SECTION—Con.

Field name	Data dictionary reference name	Field size	Starting position	Data type
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- 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	06 250-299	12 2,500-4,999	18 100,000-249,999
01 0	07 300-499	13 5,000-9,999	19 250,000-499,999
02 1-24	08 500-999	14 10,000-19,999	20 500,000-999,999
03 25-99	09 1,000-1,499	15 20,000-24,999	21 1,000,000-2,499,999
04 100-199	10 1,500-1,999	16 25,000-49,999	22 2,500,000-4,999,999
05 200-249	11 2,000-2,499	17 50,000-99,999	23 5,000,000 or more

Primary Metropolitan Statistical Area <sup>a</sup> .....PMSA 4 126 A/N

Region <sup>a</sup> .....REG 1 130 A/N

1 Northeast	2 Midwest	3 South	4 West
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State (Census) <sup>a</sup> .....STATECE 2 131 A/N

06 Puerto Rico	33 Illinois	54 Virginia	81 Montana
07 Virgin Islands of 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 Columbia	73 Oklahoma	95 Hawaii
		74 Texas	

NOTE: See footnotes at the end of this section.

# IDENTIFICATION SECTION—Con.

Field name	Data dictionary reference name	Field size	Starting position	Data type
State (FIPS) <sup>a</sup> .....	STATEFP	2	133	A/N

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 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 of the United States
16 Idaho	29 Missouri	44 Rhode Island	
	30 Montana	45 South Carolina	

Urban/Rural <sup>a</sup> .....	URBANRUR	1	135	A/N
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1 Urban	2 Rural
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Urbanized Area <sup>a</sup> .....	URBAREA	4	136	A/N
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Urbanized Area Population Size Code .....	UASC	2	140	A/N
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00 Not in universe	06 250-299	12 2,500-4,999	18 100,000-249,999
01 0	07 300-499	13 5,000-9,999	19 250,000-499,999
02 1-24	08 500-999	14 10,000-19,999	20 500,000-999,999
03 25-99	09 1,000-1,499	15 20,000-24,999	21 1,000,000-2,499,999
04 100-199	10 1,500-1,999	16 25,000-49,999	22 2,500,000-4,999,999
05 200-249	11 2,000-2,499	17 50,000-99,999	23 5,000,000 or more

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

Area (land) <sup>12</sup> .....	AREALAND	10	172	A/N
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Area (water) <sup>13</sup> .....	AREAWAT	10	182	A/N
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Area Name/PSAD Term/ Part Indicator <sup>14</sup> .....	ANPSADPI	66	192	A/N
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NOTE: See footnotes at the end of this section.

DATA DICTIONARY

# IDENTIFICATION SECTION—Con.

Field name	Data dictionary reference name	Field size	Starting position	Data type
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.

Geographic Change User Note Indicator.....	GCUNI	1	259	A/N
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- 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 percent) <sup>15</sup> .....	HU100	9	260	A/N
Internal Point (latitude) <sup>16</sup> .....	INTPTLAT	9	269	A/N
Internal Point (longitude) <sup>17</sup> .....	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
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- 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.

NOTE: See footnotes at the end of this section.



## IDENTIFICATION SECTION—Con.

Field name	Data dictionary reference name	Field size	Starting position	Data type
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.			

NOTE: See footnotes at the end of this section.

DATA DICTIONARY

## IDENTIFICATION SECTION—Con.

Field name	Data dictionary reference name	Field size	Starting position	Data type
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.			

NOTE: See footnotes at the end of this section.

## IDENTIFICATION SECTION—Con.

Field name	Data dictionary reference name	Field size	Starting position	Data type
<div style="border: 1px solid black; padding: 5px;"> <p>83 Joint area—American Indian reservation equivalent; "Joint area" is appended to the name of the entity in census publications and related data products.</p> <p>84 Pueblo—American Indian reservation; "Pueblo" is appended to the name of the entity in census publications and related data products.</p> <p>85 Rancheria—American Indian reservation; "Rancheria" is appended to the name of the entity in census publications and related data products.</p> <p>86 Reservation—American Indian reservation; "Reservation" is appended to the name of the entity in census publications and related data products.</p> <p>87 Reserve—American Indian reservation; "Reserve" is appended to the name of the entity in census publications and related data products.</p> <p>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.</p> <p>89 Trust lands—American Indian reservation equivalent; no status is appended to the name of the entity in census publications and related data products.</p> <p>90 (none)—American Indian reservation; no status is appended to the name of the entity in census publications and related data products.</p> </div>				
Population Count (100 percent) <sup>18</sup> .....	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.

## IDENTIFICATION SECTION—Con.

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 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 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.

# **DATABASE STRUCTURES SECTION** **SP3000xx.DBF**

Note - xx represents the two-letter State postal code or US for the United States file.

This file consists of geographic identification section records. There is one record for each level of geography and one file for each State. See the Identification Section of this chapter for a complete explanation of each field name.

Field Name	Field Type	Field Size	Decimal
FILEID	Character	8	0
STUSAB	Character	2	0
SUMLEV	Character	3	0
GEOCOMP	Character	2	0
CHARITER	Character	3	0
LOGRECNU	Character	6	0
LOGRECPN	Character	4	0
PARTREC	Character	4	0
ANRC	Character	2	0
AIANACE	Character	4	0
AIANAFP	Character	5	0
AIANACC	Character	2	0
ARTLI	Character	1	0
BLCK	Character	4	0
BLCKGR	Character	1	0
TRACTBNA	Character	6	0
CONGDIS	Character	2	0
CONCITCE	Character	1	0
CONCITFP	Character	5	0
CONCITCC	Character	2	0
CONCITSC	Character	2	0
CMSA	Character	2	0
CNTY	Character	3	0
CNTYSC	Character	2	0
COUSUBCE	Character	3	0
COUSUBFP	Character	5	0
COUSUBCC	Character	2	0
COUSUBSC	Character	2	0
DIVIS	Character	1	0
EXTCITIN	Character	1	0
INTUC	Character	15	0
MSACMSA	Character	4	0
MSACMSAS	Character	2	0
PLACECE	Character	4	0
PLACEFP	Character	5	0
PLACECC	Character	2	0
PLACEDC	Character	1	0
PLACESC	Character	2	0
PMSA	Character	4	0
REG	Character	1	0
STATECE	Character	2	0
STATEFP	Character	2	0
URBANRUR	Character	1	0
URBAREA	Character	4	0
UASC	Character	2	0
SAC1	Character	5	0

**DATABASE STRUCTURES SECTION—Con.**  
**SP3000xx.DBF—Con.**

Field Name	Field Type	Field Size	Decimal
SAC2	Character	5	0
SAC3	Character	4	0
SAC4	Character	4	0
SAC5	Character	3	0
SAC6	Character	3	0
SAC7	Character	2	0
SAC8	Character	2	0
SAC9	Character	1	0
SAC10	Character	1	0
AREALAND	Numeric	10	0
AREAWAT	Numeric	10	0
ANPSADPI	Character	66	0
FUNCSTAT	Character	1	0
GCUNI	Character	1	0
HU100	Numeric	9	0
INTPTLAT	Character	9	0
INTPTLNG	Character	10	0
PARTFLAG	Character	1	0
PSADC	Character	2	0
POP100	Numeric	9	0
SPFLAG	Character	1	0
Total Size		301	

**DATABASE STRUCTURES SECTION—Con.**  
**SP3001xx.DBF**

This file contains all occupational data. Each record contains one occupation listed by sex; by sex by Hispanic origin and race; and by sex by race. There are 512 occupation records for each geographical unit and one file for each State. See the Occupation Database - Generated Code Lists at the end of the Database Structures Section for codes used in the OCC\_CODE field.

Field Name	Field Type	Field Size	Decimal	Description
SUMLEV	Character	3	0	Summary Level
CNTY	Character	3	0	County
COUSUBFP	Character	5	0	County Subdivision (FIPS)
MSACMSA	Character	4	0	Metropolitan Statistical Area/Consolidated Metropolitan Statistical Area
PLACEFP	Character	5	0	Place (FIPS)
STATEFP	Character	2	0	State (FIPS)
OCC_CODE	Character	3	0	Occupational Code Generated by The Program
ITEM1	Numeric	9	0	Occupation by Sex (Table 1)/Male
ITEM2	Numeric	9	0	Occupation by Sex (Table 1)/Female
ITEM3	Numeric	9	0	Occupation by Sex by Hispanic Origin and Race (Table 2)/Male—Hispanic Origin
ITEM4	Numeric	9	0	Occupation by Sex by Hispanic Origin and Race (Table 2)/Male—White, Not of Hispanic Origin
ITEM5	Numeric	9	0	Occupation by Sex by Hispanic Origin and Race (Table 2)/Male—Black, Not of Hispanic Origin
ITEM6	Numeric	9	0	Occupation by Sex by Hispanic Origin and Race (Table 2)/Male—American Indian, Eskimo, or Aleut, Not of Hispanic Origin
ITEM7	Numeric	9	0	Occupation by Sex by Hispanic Origin and Race (Table 2)/Male—Asian or Pacific Islander, Not of Hispanic Origin
ITEM8	Numeric	9	0	Occupation by Sex by Hispanic Origin and Race (Table 2)/Male—Other Race, Not of Hispanic Origin
ITEM9	Numeric	9	0	Occupation by Sex by Hispanic Origin and Race (Table 2)/Female—Hispanic Origin
ITEM10	Numeric	9	0	Occupation by Sex by Hispanic Origin and Race (Table 2)/Female—White, Not of Hispanic Origin
ITEM11	Numeric	9	0	Occupation by Sex by Hispanic Origin and Race (Table 2)/Female—Black, Not of Hispanic Origin
ITEM12	Numeric	9	0	Occupation by Sex by Hispanic Origin and Race (Table 2)/Female—American Indian, Eskimo, or Aleut, Not of Hispanic Origin
ITEM13	Numeric	9	0	Occupation by Sex by Hispanic Origin and Race (Table 2)/Female—Asian or Pacific Islander, Not of Hispanic Origin
ITEM14	Numeric	9	0	Occupation by Sex by Hispanic Origin and Race (Table 2)/Female—Other Race, Not of Hispanic Origin
ITEM15	Numeric	9	0	Occupation by Sex by Race (Table 3)/Male—White
ITEM16	Numeric	9	0	Occupation by Sex by Race (Table 3)/Male—Black
ITEM17	Numeric	9	0	Occupation by Sex by Race (Table 3)/ Male—American Indian, Eskimo, or Aleut
ITEM18	Numeric	9	0	Occupation by Sex by Race (Table 3)/Male—Asian or Pacific Islander

**DATABASE STRUCTURES SECTION—Con.**  
**SP3001xx.DBF—Con.**

Field Name	Field Type	Field Size	Decimal	Description
ITEM19	Numeric	9	0	Occupation by Sex by Race (Table 3)/Male—Other Race
ITEM20	Numeric	9	0	Occupation by Sex by Race (Table 3)/ Female—White
ITEM21	Numeric	9	0	Occupation by Sex by Race (Table 3)/ Female—Black
ITEM22	Numeric	9	0	Occupation by Sex by Race (Table 3)/ Female—American Indian, Eskimo, or Aleut
ITEM23	Numeric	9	0	Occupation by Sex by Race (Table 3)/ Female—Asian of Pacific Islander
ITEM24	Numeric	9	0	Occupation by Sex by Race (Table 3)/ Female—Other Race
Total Size		242		



**DATABASE STRUCTURES SECTION—Con.**  
**SP3002xx.DBF**

This file contains educational attainment data by sex. There are five records, representing five educational categories, for each geographical unit. There is one file for each State. See the Educational Database - Generated Code List for the codes used in the EDUC\_CODE field.

Field Name	Field Type	Field Size	Decimal	Description
SUMLEV	Character	3	0	Summary Level
CNTY	Character	3	0	County
COUSUBFP	Character	5	0	County Subdivision (FIPS)
MSACMSA	Character	4	0	Metropolitan Statistical Area/Consolidated Metropolitan Statistical Area
PLACEFP	Character	5	0	Place (FIPS)
STATEFP	Character	2	0	State (FIPS)
EDUC_CODE	Character	1	0	Educational Code Generated by the Program
ITEM1	Numeric	9	0	Educational Attainment by Sex (Table 4)/Male
ITEM2	Numeric	9	0	Educational Attainment by Sex (Table 4)/Female
Total Size		42		

**DATABASE STRUCTURES SECTION—Con.**  
**SP3003xx.DBF**

This file contains educational attainment data by age by sex by Hispanic origin and race. There are five records, representing five educational categories, for each geographical entity. There is one file for each State. See the Education Database - Generated Code List for the codes used in the EDUC\_CODE field.

Field Name	Field Type	Field Size	Decimal	Description
SUMLEV	Character	3	0	Summary Level
CNTY	Character	3	0	County
COUSUBFP	Character	5	0	County Subdivision (FIPS)
MSACMSA	Character	4	0	Metropolitan Statistical Area/Consolidated Metropolitan Statistical Area
PLACEFP	Character	5	0	Place (FIPS)
STATEFP	Character	2	0	State (FIPS)
EDUC_CODE	Character	1	0	Educational Code Generated by The Program
ITEM1	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/16 to 19 Years—Male—Hispanic Origin
ITEM2	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/16 to 19 Years—Male—White, Not of Hispanic Origin
ITEM3	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/16 to 19 Years—Male—Black, Not of Hispanic Origin
ITEM4	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/16 to 19 Years—Male—American Indian, Eskimo, or Aleut, Not of Hispanic Origin
ITEM5	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/16 to 19 Years—Male—Asian or Pacific Islander, Not of Hispanic Origin
ITEM6	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/16 to 19 Years—Male—Other Race, Not of Hispanic Origin
ITEM7	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/16 to 19 Years—Female—Hispanic Origin
ITEM8	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/16 to 19 Years—Female—White, Not of Hispanic Origin
ITEM9	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/16 to 19 Years—Female—Black, Not of Hispanic Origin
ITEM10	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/16 to 19 Years—Female—American Indian, Eskimo, or Aleut, Not of Hispanic Origin
ITEM11	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/16 to 19 Years—Female—Asian or Pacific Islander, Not of Hispanic Origin

**DATABASE STRUCTURES SECTION—Con.**  
**SP3003xx.DBF—Con.**

Field Name	Field Type	Field Size	Decimal	Description
ITEM12	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/16 to 19 Years—Female—Other Race, Not of Hispanic Origin
ITEM13	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/20 to 24 Years—Male—Hispanic Origin
ITEM14	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/20 to 24 Years—Male—White, Not of Hispanic Origin
ITEM15	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/20 to 24 Years—Male—Black, Not of Hispanic Origin
ITEM16	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/20 to 24 Years—Male—American Indian, Eskimo, or Aleut, Not of Hispanic Origin
ITEM17	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/20 to 24 Years—Male—Asian or Pacific Islander, Not of Hispanic Origin
ITEM18	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/20 to 24 Years—Male—Other Race, Not of Hispanic Origin
ITEM19	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/20 to 24 Years—Female—Hispanic Origin
ITEM20	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/20 to 24 Years—Female—White, Not of Hispanic Origin
ITEM21	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/20 to 24 Years—Female—Black, Not of Hispanic Origin
ITEM22	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/20 to 24 Years—Female—American Indian, Eskimo, or Aleut, Not of Hispanic Origin
ITEM23	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/20 to 24 Years—Female—Asian or Pacific Islander, Not of Hispanic Origin
ITEM24	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/20 to 24 Years—Female—Other Race, Not of Hispanic Origin
ITEM25	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/25 to 29 Years—Male—Hispanic Origin
ITEM26	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/25 to 29 Years—Male—White, Not of Hispanic Origin

**DATABASE STRUCTURES SECTION—Con.**  
**SP3003xx.DBF—Con.**

Field Name	Field Type	Field Size	Decimal	Description
ITEM27	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/25 to 29 Years—Male—Black, Not of Hispanic Origin
ITEM28	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/25 to 29 Years—Male—American Indian, Eskimo, or Aleut, Not of Hispanic Origin
ITEM29	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/25 to 29 Years—Male—Asian or Pacific Islander, Not of Hispanic Origin
ITEM30	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/25 to 29 Years—Male—Other Race, Not of Hispanic Origin
ITEM31	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/25 to 29 Years—Female—Hispanic Origin
ITEM32	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/25 to 29 Years—Female—White, Not of Hispanic Origin
ITEM33	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/25 to 29 Years—Female—Black, Not of Hispanic Origin
ITEM34	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/25 to 29 Years—Female—American Indian, Eskimo, or Aleut, Not of Hispanic Origin
ITEM35	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/25 to 29 Years—Female—Asian or Pacific Islander, Not of Hispanic Origin
ITEM36	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/25 to 29 Years—Female—Other Race, Not of Hispanic Origin
ITEM37	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/30 to 34 Years—Male—Hispanic Origin
ITEM38	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/30 to 34 Years—Male—White, Not of Hispanic Origin
ITEM39	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/30 to 34 Years—Male—Black, Not of Hispanic Origin
ITEM40	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/30 to 34 Years—Male—American Indian, Eskimo, or Aleut, Not of Hispanic Origin
ITEM41	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/30 to 34 Years—Male—Asian or Pacific Islander, Not of Hispanic Origin

**DATABASE STRUCTURES SECTION—Con.**  
**SP3003xx.DBF—Con.**

Field Name	Field Type	Field Size	Decimal	Description
ITEM42	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/30 to 34 Years—Male—Other Race, Not of Hispanic Origin
ITEM43	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/30 to 34 Years—Female—Hispanic Origin
ITEM44	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/30 to 34 Years—Female—White, Not of Hispanic Origin
ITEM45	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/30 to 34 Years—Female—Black, Not of Hispanic Origin
ITEM46	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/30 to 34 Years—Female—American Indian, Eskimo, or Aleut, Not of Hispanic Origin
ITEM47	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/30 to 34 Years—Female—Asian or Pacific Islander, Not of Hispanic Origin
ITEM48	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/30 to 34 Years—Female—Other Race, Not of Hispanic Origin
ITEM49	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/35 to 39 Years—Male—Hispanic Origin
ITEM50	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/35 to 39 Years—Male—White, Not of Hispanic Origin
ITEM51	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/35 to 39 Years—Male—Black, Not of Hispanic Origin
ITEM52	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/35 to 39 Years—Male—American Indian, Eskimo, or Aleut, Not of Hispanic Origin
ITEM53	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/35 to 39 Years—Male—Asian or Pacific Islander, Not of Hispanic Origin
ITEM54	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/35 to 39 Years—Male—Other Race, Not of Hispanic Origin
ITEM55	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/35 to 39 Years—Female—Hispanic Origin
ITEM56	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/35 to 39 Years—Female—White, Not of Hispanic Origin

**DATABASE STRUCTURES SECTION—Con.**  
**SP3003xx.DBF—Con.**

Field Name	Field Type	Field Size	Decimal	Description
ITEM57	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/35 to 39 Years—Female—Black, Not of Hispanic Origin
ITEM58	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/35 to 39 Years—Female—American Indian, Eskimo, or Aleut, Not of Hispanic Origin
ITEM59	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/35 to 39 Years—Female—Asian or Pacific Islander, Not of Hispanic Origin
ITEM60	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/35 to 39 Years—Female—Other Race, Not of Hispanic Origin
ITEM61	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/40 to 69 Years—Male—Hispanic Origin
ITEM62	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/40 to 69 Years—Male—White, Not of Hispanic Origin
ITEM63	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/40 to 69 Years—Male—Black, Not of Hispanic Origin
ITEM64	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/40 to 69 Years—Male—American Indian, Eskimo, or Aleut, Not of Hispanic Origin
ITEM65	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/40 to 69 Years—Male—Asian or Pacific Islander, Not of Hispanic Origin
ITEM66	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/40 to 69 Years—Male—Other Race, Not of Hispanic Origin
ITEM67	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/40 to 69 Years—Female—Hispanic Origin
ITEM68	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/40 to 69 Years—Female—White, Not of Hispanic Origin
ITEM69	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/40 to 69 Years—Female—Black, Not of Hispanic Origin
ITEM70	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/40 to 69 Years—Female—American Indian, Eskimo, or Aleut, Not of Hispanic Origin
ITEM71	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/40 to 69 Years—Female—Asian or Pacific Islander, Not of Hispanic Origin

**DATABASE STRUCTURES SECTION—Con.**  
**SP3003xx.DBF—Con.**

Field Name	Field Type	Field Size	Decimal	Description
ITEM72	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/40 to 69 Years—Female—Other Race, Not of Hispanic Origin
ITEM73	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/70 Years and Over Years—Male—Hispanic Origin
ITEM74	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/70 Years and Over Years—Male—White, Not of Hispanic Origin
ITEM75	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/70 Years and Over Years—Male—Black, Not of Hispanic Origin
ITEM76	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/70 Years and Over Years—Male—American Indian, Eskimo, or Aleut, Not of Hispanic Origin
ITEM77	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/70 Years and Over Years—Male—Asian or Pacific Islander, Not of Hispanic Origin
ITEM78	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/70 Years and Over Years—Male—Other Race, Not of Hispanic Origin
ITEM79	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/70 Years and Over Years—Female—Hispanic Origin
ITEM80	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/70 Years and Over Years—Female—White, Not of Hispanic Origin
ITEM81	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/70 Years and Over Years—Female—Black, Not of Hispanic Origin
ITEM82	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/70 Years and Over Years—Female—American Indian, Eskimo, or Aleut, Not of Hispanic Origin
ITEM83	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/70 Years and Over Years—Female—Asian or Pacific Islander, Not of Hispanic Origin
ITEM84	Numeric	9	0	Educational Attainment by Age by Sex by Hispanic Origin and Race (Table 5)/70 Years and Over Years—Female—Other Race, Not of Hispanic Origin
Total Size		780		

**DATABASE STRUCTURES SECTION—Con.**  
**SP3004xx.DBF**

This file contains educational attainment data by age by sex by race. Each geographical unit consists of five records representing five educational categories. There is one file for each State. See the Education Database - Generated Code List for the codes used in the EDUC\_Code field.

Field Name	Field Type	Field Size	Decimal	Description
SUMLEV	Character	3	0	Summary Level
CNTY	Character	3	0	County
COUSUBFP	Character	3	0	County Subdivision (FIPS)
MSACMSA	Character	4	0	Metropolitan Statistical Area/Consolidated Metropolitan Statistical Area
PLACEFP	Character	5	0	Place (FIPS)
STATEFP	Character	2	0	State (FIPS)
EDUC_CODE	Character	1	0	Educational Code Generated by The Program
ITEM1	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 16 to 19 Years—Male—White
ITEM2	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 16 to 19 Years—Male—Black
ITEM3	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 16 to 19 Years—Male—American Indian, Eskimo, or Aleut
ITEM4	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 16 to 19 Years—Male—Asian or Pacific Islander
ITEM5	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 16 to 19 Years—Male—Other Race
ITEM6	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 16 to 19 Years—Female—White
ITEM7	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 16 to 19 Years—Female—Black
ITEM8	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 16 to 19 Years—Female—American, Eskimo, or Aleut
ITEM9	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 16 to 19 Years—Female—Asian or Pacific Islander
ITEM10	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 16 to 19 Years—Female—Other Race
ITEM11	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 20 to 24 Years—Male—White
ITEM12	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 20 to 24 Years—Male—Black
ITEM13	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 20 to 24 Years—Male—American Indian, Eskimo, or Aleut
ITEM14	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 20 to 24 Years—Male—Asian or Pacific Islander
ITEM15	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 20 to 24 Years—Male—Other Race
ITEM16	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 20 to 24 Years—Female—White
ITEM17	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 20 to 24 Years—Female—Black



**DATABASE STRUCTURES SECTION—Con.**  
**SP3004xx.DBF—Con.**

Field Name	Field Type	Field Size	Decimal	Description
ITEM18	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 20 to 24 Years—Female—American, Eskimo, or Aleut
ITEM19	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 20 to 24 Years—Female—Asian or Pacific Islander
ITEM20	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 20 to 24 Years—Female—Other Race
ITEM21	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 25 to 29 Years—Male—White
ITEM22	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 25 to 29 Years—Male—Black
ITEM23	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 25 to 29 Years—Male—American Indian, Eskimo, or Aleut
ITEM24	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 25 to 29 Years—Male—Asian or Pacific Islander
ITEM25	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 25 to 29 Years—Male—Other Race
ITEM26	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 25 to 29 Years—Female—White
ITEM27	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 25 to 29 Years—Female—Black
ITEM28	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 25 to 29 Years—Female—American, Eskimo, or Aleut
ITEM29	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 25 to 29 Years—Female—Asian or Pacific Islander
ITEM30	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 25 to 29 Years—Female—Other Race
ITEM31	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 30 to 34 Years—Male—White
ITEM32	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 30 to 34 Years—Male—Black
ITEM33	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 30 to 34 Years—Male—American Indian, Eskimo, or Aleut
ITEM34	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 30 to 34 Years—Male—Asian or Pacific Islander
ITEM35	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 30 to 34 Years—Male—Other Race
ITEM36	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 30 to 34 Years—Female—White
ITEM37	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 30 to 34 Years—Female—Black
ITEM38	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 30 to 34 Years—Female—American, Eskimo, or Aleut

**DATABASE STRUCTURES SECTION—Con.**  
**SP3004xx.DBF—Con.**

Field Name	Field Type	Field Size	Decimal	Description
ITEM39	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 30 to 34 Years—Female—Asian or Pacific Islander
ITEM40	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 30 to 34 Years—Female—Other Race
ITEM41	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 35 to 39 Years—Male—White
ITEM42	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 35 to 39 Years—Male—Black
ITEM43	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 35 to 39 Years—Male—American Indian, Eskimo, or Aleut
ITEM44	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 35 to 39 Years—Male—Asian or Pacific Islander
ITEM45	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 35 to 39 Years—Male—Other Race
ITEM46	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 35 to 39 Years—Female—White
ITEM47	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 35 to 39 Years—Female—Black
ITEM48	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 35 to 39 Years—Female—American, Eskimo, or Aleut
ITEM49	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 35 to 39 Years—Female—Asian or Pacific Islander
ITEM50	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 35 to 39 Years—Female—Other Race
ITEM51	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 40 to 69 Years—Male—White
ITEM52	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 40 to 69 Years—Male—Black
ITEM53	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 40 to 69 Years—Male—American Indian, Eskimo, or Aleut
ITEM54	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 40 to 69 Years—Male—Asian or Pacific Islander
ITEM55	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 40 to 69 Years—Male—Other Race
ITEM56	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 40 to 69 Years—Female—White
ITEM57	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 40 to 69 Years—Female—Black
ITEM58	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 40 to 69 Years—Female—American, Eskimo, or Aleut
ITEM59	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 40 to 69 Years—Female—Asian or Pacific Islander

**DATABASE STRUCTURES SECTION—Con.**  
**SP3004xx.DBF—Con.**

Field Name	Field Type	Field Size	Decimal	Description
ITEM60	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 40 to 69 Years—Female—Other Race
ITEM61	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 70 Years And Over Years—Male—White
ITEM62	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 70 Years And Over Years—Male—Black
ITEM63	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 70 Years And Over Years—Male—American Indian, Eskimo, or Aleut
ITEM64	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 70 Years And Over Years—Male—Asian or Pacific Islander
ITEM65	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 70 Years And Over Years—Male—Other Race
ITEM66	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 70 Years And Over Years—Female—White
ITEM67	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 70 Years And Over Years—Female—Black
ITEM68	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 70 Years And Over Years—Female—American, Eskimo, or Aleut
ITEM69	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 70 Years And Over Years—Female—Asian or Pacific Islander
ITEM70	Numeric	9	0	Educational Attainment by Age by Sex by Race (Table 6)/ 70 Years And Over Years—Female—Other Race
Total Size		654		

**DATABASE - GENERATED CODE LISTS SECTION**  
**Occupation Codes**

Occupation	dBASE Code
Legislators (001-003)	001
Chief executives and general administrators, public administration (004)	002
Administrators and officials, public administration (005)	003
Administrators, protective services (006)	004
Financial managers (007)	005
Personnel and labor relations managers (008)	006
Purchasing managers (009-012)	007
Managers, marketing, advertising, and public relations (013)	008
Administrators, education and related fields (014)	009
Managers, medicine and health (015)	010
Postmasters and mail superintendents (016)	011
Managers, food serving and lodging establishments (017)	012
Managers, properties and real estate (018)	013
Funeral directors (019-020)	014
Managers, service organizations, n.e.c. (021)	015
Managers and administrators, n.e.c., salaried (022) (Class of worker codes 1-5, 7, 9) <sup>1</sup>	016
Managers and administrators, n.e.c., self-employed (022) (Class of worker codes 6, 8) <sup>1</sup>	017
Accountants and auditors (023)	018
Underwriters (024)	019
Other financial officers (025)	020
Management analysts (026)	021
Personnel, training, and labor relations specialists (027)	022
Purchasing agents and buyers, farm products (028)	023
Buyers, wholesale and retail trade, except farm products (029-032)	024
Purchasing agents and buyers, n.e.c. (033)	025
Business and promotion agents (034)	026
Construction inspectors (035)	027
Inspectors and compliance officers, except construction (036)	028
Management related occupations, n.e.c. (037-042)	029
Architects (043)	030
Aerospace (044)	031
Metallurgical and materials (045)	032
Mining (046)	033
Petroleum (047)	034
Chemical (048)	035
Nuclear (049-052)	036
Civil (053)	037
Agricultural (054)	038
Electrical and electronic (055)	039
Industrial (056)	040
Mechanical (057)	041
Marine and naval architects (058)	042
Engineers, n.e.c. (059-062)	043
Surveyors and mapping scientists (063)	044
Computer systems analysts and scientists (064)	045
Operations and systems researchers and analysts (065)	046
Actuaries (066)	047
Statisticians (067)	048
Mathematical scientists, n.e.c. (068)	049

<sup>1</sup>See How to Use This File chapter for class of worker code definitions.

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Occupation Codes—Con.**

Occupation	dBASE Code
Physicists and astronomers (069-072)	050
Chemists, except biochemists (073)	051
Atmospheric and space scientists (074)	052
Geologists and geodesists (075)	053
Physical scientists, n.e.c. (076)	054
Agricultural and food scientists (077)	055
Biological and life scientists (078)	056
Forestry and conservation scientists (079-082)	057
Medical scientists (083)	058
Physicians (084)	059
Dentists (085)	060
Veterinarians (086)	061
Optometrists (087)	062
Podiatrists (088)	063
Health diagnosing practitioners, n.e.c. (089-094)	064
Registered nurses (095)	065
Pharmacists (096)	066
Dietitians (097)	067
Respiratory therapists (098)	068
Occupational therapists (099-102)	069
Physical therapists (103)	070
Speech therapists (104)	071
Therapists, n.e.c. (105)	072
Physicians' assistants (106-112)	073
Earth, environmental, and marine science teachers (113)	074
Biological science teachers (114)	075
Chemistry teachers (115)	076
Physics teachers (116)	077
Natural science teachers, n.e.c. (117)	078
Psychology teachers (118)	079
Economics teachers (119-122)	080
History teachers (123)	081
Political science teachers (124)	082
Sociology teachers (125)	083
Social science teachers, n.e.c. (126)	084
Engineering teachers (127)	085
Mathematical science teachers (128)	086
Computer science teachers (129-132)	087
Medical science teachers (133)	088
Health specialties teachers (134)	089
Business, commerce, and marketing teachers (135)	090
Agriculture and forestry teachers (136)	091
Art, drama, and music teachers (137)	092
Physical education teachers (138)	093
Education teachers (139-142)	094
English teachers (143)	095
Foreign language teachers (144)	096
Law teachers (145)	097
Social work teachers (146)	098
Theology teachers (147)	099
Trade and industrial teachers (148)	100
Home economics teachers (149-152)	101

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Occupation Codes—Con.**

Occupation	dBASE Code
Teachers, postsecondary, n.e.c. (153)	102
Postsecondary teachers, subject not specified (154)	103
Teachers, prekindergarten and kindergarten (155)	104
Teachers, elementary school (156)	105
Teachers, secondary school (157)	106
Teachers, special education (158)	107
Teachers, n.e.c. (159-162)	108
Counselors, educational and vocational (163)	109
Librarians (164)	110
Archivists and curators (165)	111
Economists (166)	112
Psychologists (167)	113
Sociologists (168)	114
Social scientists, n.e.c. (169-172)	115
Urban planners (173)	116
Social workers (174)	117
Recreation workers (175)	118
Clergy (176)	119
Religious workers, n.e.c. (177)	120
Lawyers (178)	121
Judges (179-182)	122
Authors (183)	123
Technical writers (184)	124
Designers (185)	125
Musicians and composers (186)	126
Actors and directors (187)	127
Painters, sculptors, craft-artists, and artist printmakers (188)	128
Photographers (189-192)	129
Dancers (193)	130
Artists, performers, and related workers, n.e.c. (194)	131
Editors and reporters (195-196)	132
Public relations specialists (197)	133
Announcers (198)	134
Athletes (199-202)	135
Clinical laboratory technologists and technicians (203)	136
Dental hygienists (204)	137
Health record technologists and technicians (205)	138
Radiologic technicians (206)	139
Licensed practical nurses (207)	140
Health technologists and technicians, n.e.c. (208-212)	141
Electrical and electronic technicians (213)	142
Industrial engineering technicians (214)	143
Mechanical engineering technicians (215)	144
Engineering technicians, n.e.c. (216)	145
Drafting occupations (217)	146
Surveying and mapping technicians (218-222)	147
Biological technicians (223)	148
Chemical technicians (224)	149
Science technicians, n.e.c. (225)	150
Airplane pilots and navigators (226)	151
Air traffic controllers (227)	152
Broadcast equipment operators (228)	153

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Occupation Codes—Con.**

Occupation	dBASE Code
Computer programmers (229-232)	154
Tool programmers, numerical control (233)	155
Legal assistants (234)	156
Technicians, n.e.c. (235-242)	157
Supervisors and proprietors, sales occupations, salaried (243-252) (Class of worker codes 1-5, 7, 9)	158
Supervisors and proprietors, sales occupations, self employed (243-252) (Class of worker codes 6, 8)	159
Insurance sales occupations (253)	160
Real estate sales occupations (254)	161
Securities and financial services sales occupations (255)	162
Advertising and related sales occupations (256)	163
Sales occupations, other business services (257)	164
Sales engineers (258)	165
Sales representatives, mining, manufacturing, and wholesale (259-262)	166
Sales workers, motor vehicles and boats (263)	167
Sales workers, apparel (264)	168
Sales workers, shoes (265)	169
Sales workers, furniture and home furnishings (266)	170
Sales workers, radio, TV, hi-fi, and appliances (267)	171
Sales workers, hardware and building supplies (268)	172
Sales workers, parts (269-273)	173
Sales workers, other commodities (274)	174
Sales counter clerks (275)	175
Cashiers (276)	176
Street and door-to-door sales workers (277)	177
News vendors (278-282)	178
Demonstrators, promoters and models, sales (283)	179
Auctioneers (284)	180
Sales support occupations, n.e.c. (285-302)	181
Supervisors, general office (303)	182
Supervisors, computer equipment operators (304)	183
Supervisors, financial records processing (305)	184
Chief communications operators (306)	185
Supervisors, distribution, scheduling, and adjusting clerks (307)	186
Computer operators (308)	187
Peripheral equipment operators (309-312)	188
Secretaries (313)	189
Stenographers (314)	190
Typists (315)	191
Interviewers (316)	192
Hotel clerks (317)	193
Transportation ticket and reservation agents (318)	194
Receptionists (319-322)	195
Information clerks, n.e.c. (323-324)	196
Classified-ad clerks (325)	197
Correspondence clerks (326)	198
Order clerks (327)	199
Personnel clerks, except payroll and timekeeping (328)	200
Library clerks (329-334)	201
File clerks (335)	202
Records clerks (336)	203
Bookkeepers, accounting, and auditing clerks (337)	204
Payroll and timekeeping clerks (338)	205

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Occupation Codes—Con.**

Occupation	dBASE Code
Billing clerks (339-342)	206
Cost and rate clerks (343)	207
Billing, posting, and calculating machine operators (344)	208
Duplicating machine operators (345)	209
Mail preparing and paper handling machine operators (346)	210
Office machine operators, n.e.c. (347)	211
Telephone operators (348-352)	212
Communications equipment operators, n.e.c. (353)	213
Postal clerks, except mail carriers (354)	214
Mail carriers, postal service (355)	215
Mail clerks, except postal service (356)	216
Messengers (357-358)	217
Dispatchers (359-362)	218
Production coordinators (363)	219
Traffic, shipping, and receiving clerks (364)	220
Stock and inventory clerks (365)	221
Meter readers (366-367)	222
Weighers, measurers, checkers, and samplers (368-372)	223
Expeditors (373)	224
Material recording, scheduling, and distributing clerks, n.e.c. (374)	225
Insurance adjusters, examiners, and investigators (375)	226
Investigators and adjusters, except insurance (376)	227
Eligibility clerks, social welfare (377)	228
Bill and account collectors (378)	229
General office clerks (379-382)	230
Bank tellers (383)	231
Proofreaders (384)	232
Data-entry keyers (385)	233
Statistical clerks (386)	234
Teachers' aides (387-388)	235
Administrative support occupations, n.e.c. (389-402)	236
Launderers and ironers (403)	237
Cooks, private household (404)	238
Housekeepers and butlers (405)	239
Child care workers, private household (406)	240
Private household cleaners and servants (407-412)	241
Supervisors, firefighting and fire prevention occupations (413)	242
Supervisors, police and detectives (414)	243
Supervisors, guards (415)	244
Fire inspection and fire prevention occupations (416)	245
Firefighting occupations (417)	246
Police and detectives, public service (418-422)	247
Sheriffs, bailiffs, and other law enforcement officers (423)	248
Correctional institution officers (424)	249
Crossing guards (425)	250
Guards and police, except public service (426)	251
Protective service occupations, n.e.c. (427-432)	252
Supervisors, food preparation and service occupations (433)	253
Bartenders (434)	254
Waiters and waitresses (435)	255
Cooks (436-437)	256
Food counter, fountain and related occupations (438)	257



**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Occupation Codes—Con.**

Occupation	dBASE Code
Kitchen workers, food preparation (439-442)	258
Walters' /waitresses' assistants (443)	259
Miscellaneous food preparation occupations (444)	260
Dental assistants (445)	261
Health aides, except nursing (446)	262
Nursing aides, orderlies, and attendants (447)	263
Supervisors, cleaning and building service workers (448)	264
Maids and housemen (449-452)	265
Janitors and cleaners (453)	266
Elevator operators (454)	267
Pest control occupations (455)	268
Supervisors, personal service occupations (456)	269
Barbers (457)	270
Hairdressers and cosmetologists (458)	271
Attendants, amusement and recreation facilities (459-460)	272
Guides (461)	273
Ushers (462)	274
Public transportation attendants (463)	275
Baggage porters and bellhops (464)	276
Welfare service aides (465)	277
Family child care providers (466)	278
Early childhood teacher's assistants (467)	279
Child care workers, n.e.c. (468)	280
Personal service occupations, n.e.c. (469-472)	281
Farmers, except horticultural (473)	282
Horticultural specialty farmers (474)	283
Managers, farms, except horticultural (475)	284
Managers, horticultural specialty farms (476)	285
Supervisors, farm workers (477-478)	286
Farm workers (479-482)	287
Marine life cultivation workers (483)	288
Nursery workers (484)	289
Supervisors, related agricultural occupations (485)	290
Groundskeepers and gardeners, except farm (486)	291
Animal caretakers, except farm (487)	292
Graders and sorters, agricultural products (488)	293
Inspectors, agricultural products (489-493)	294
Supervisors, forestry and logging workers (494)	295
Forestry workers, except logging (495)	296
Timber cutting and logging occupations (496)	297
Captains and other officers, fishing vessels (497)	298
Fishers (498)	299
Hunters and trappers (499-502)	300
Supervisors, mechanics and repairers (503-504)	301
Automobile mechanics, except apprentices (505)	302
Automobile mechanic apprentices (506)	303
Bus, truck, and stationary engine mechanics (507)	304
Aircraft engine mechanics (508)	305
Small engine repairers (509-513)	306
Automobile body and related repairers (514)	307
Aircraft mechanics, except engine (515)	308
Heavy equipment mechanics (516)	309

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Occupation Codes—Con.**

Occupation	dBASE Code
Farm equipment mechanics (517)	310
Industrial machinery repairers (518)	311
Machinery maintenance occupations (519-522)	312
Electronic repairers, communications and industrial equipment (523-524)	313
Data processing equipment repairers (525)	314
Household appliance and power tool repairers (526)	315
Telephone line installers and repairers (527-528)	316
Telephone installers and repairers (529-532)	317
Miscellaneous electrical and electronic equipment repairers (533)	318
Heating, air conditioning, and refrigeration mechanics (534)	319
Camera, watch, and musical instrument repairers (535)	320
Locksmiths and safe repairers (536-537)	321
Office machine repairers (538)	322
Mechanical controls and valve repairers (539-542)	323
Elevator installers and repairers (543)	324
Millwrights (544-546)	325
Specified mechanics and repairers, n.e.c. (547-548)	326
Not specified mechanics and repairers (549-552)	327
Supervisors, brickmasons, stonemasons, and tile setters (553)	328
Supervisors, carpenters and related workers (554)	329
Supervisors, electricians and power transmission installers (555)	330
Supervisors, painters, paperhangers, and plasterers (556)	331
Supervisors, plumbers, pipefitters, and steamfitters (557)	332
Supervisors, construction n.e.c. (558-562)	333
Brickmasons and stonemasons, except apprentices (563)	334
Brickmason and stonemason apprentices (564)	335
Tile setters, hard and soft (565)	336
Carpet installers (566)	337
Carpenters, except apprentices (567-568)	338
Carpenter apprentices (569-572)	339
Drywall installers (573-574)	340
Electricians, except apprentices (575)	341
Electrician apprentices (576)	342
Electrical power installers and repairers (577-578)	343
Painters, construction and maintenance (579-582)	344
Paperhangers (583)	345
Plasterers (584)	346
Plumbers, pipefitters, and steamfitters, except apprentices (585-586)	347
Plumber, pipefitter, and steamfitter apprentices (587)	348
Concrete and terrazzo finishers (588)	349
Glaziers (589-592)	350
Insulation workers (593)	351
Paving, surfacing, and tamping equipment operators (594)	352
Roofers (595)	353
Sheetmetal duct installers (596)	354
Structural metal workers (597)	355
Drillers, earth (598)	356
Construction trades, n.e.c. (599-612)	357
Supervisors, extractive occupations (613)	358
Drillers, oil well (614)	359
Explosives workers (615)	360
Mining machine operators (616)	361

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Occupation Codes—Con.**

Occupation	dBASE Code
Mining occupations, n.e.c. (617-627)	362
Supervisors, production occupations (628-633)	363
Tool and die makers, except apprentices (634)	364
Tool and die maker apprentices (635)	365
Precision assemblers, metal (636)	366
Machinists, except apprentices (637-638)	367
Machinist apprentices (639-642)	368
Boilermakers (643)	369
Precision grinders, filers, and tool sharpeners (644)	370
Patternmakers and model makers, metal (645)	371
Lay-out workers (646)	372
Precious stones and metals workers (Jewelers) (647-648)	373
Engravers, metal (649-652)	374
Sheet metal workers, except apprentices (653)	375
Sheet metal worker apprentices (654)	376
Miscellaneous precision metal workers (655)	377
Patternmakers and model makers, wood (656)	378
Cabinet makers and bench carpenters (657)	379
Furniture and wood finishers (658)	380
Miscellaneous precision woodworkers (659-665)	381
Dressmakers (666)	382
Tailors (667)	383
Upholsterers (668)	384
Shoe repairers (669-673)	385
Miscellaneous precision apparel and fabric workers (674)	386
Hand molders and shapers, except jewelers (675)	387
Patternmakers, lay-out workers, and cutters (676)	388
Optical goods workers (677)	389
Dental laboratory and medical appliance technicians (678)	390
Bookbinders (679-682)	391
Electrical and electronic equipment assemblers (683)	392
Miscellaneous precision workers, n.e.c. (684-685)	393
Butchers and meat cutters (686)	394
Bakers (687)	395
Food batchmakers (688)	396
Inspectors, testers, and graders (689-692)	397
Adjusters and calibrators (693)	398
Water and sewage treatment plant operators (694)	399
Power plant operators (695)	400
Stationary engineers (696-698)	401
Miscellaneous plant and system operators (699-702)	402
Lathe and turning machine set-up operators (703)	403
Lathe and turning machine operators (704)	404
Milling and planing machine operators (705)	405
Punching and stamping press machine operators (706)	406
Rolling machine operators (707)	407
Drilling and boring machine operators (708)	408
Grinding, abrading, buffing, and polishing machine operators (709-712)	409
Forging machine operators (713)	410
Numerical control machine operators (714)	411
Miscellaneous metal, plastic, stone, and glass working machine operators (715-716)	412
Fabricating machine operators, n.e.c. (717-718)	413

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Occupation Codes—Con.**

Occupation	dBASE Code
Molding and casting machine operators (719-722)	414
Metal plating machine operators (723)	415
Heat treating equipment operators (724)	416
Miscellaneous metal and plastic processing machine operators (725)	417
Wood lathe, routing, and planing machine operators (726)	418
Sawing machine operators (727)	419
Shaping and joining machine operators (728)	420
Nailing and tacking machine operators (729-732)	421
Miscellaneous woodworking machine operators (733)	422
Printing press operators (734)	423
Photoengravers and lithographers (735)	424
Typesetters and compositors (736)	425
Miscellaneous printing machine operators (737)	426
Winding and twisting machine operators (738)	427
Knitting, looping, taping, and weaving machine operators (739-742)	428
Textile cutting machine operators (743)	429
Textile sewing machine operators (744)	430
Shoe machine operators (745-746)	431
Pressing machine operators (747)	432
Laundering and dry cleaning machine operators (748)	433
Miscellaneous textile machine operators (749-752)	434
Cementing and gluing machine operators (753)	435
Packaging and filling machine operators (754)	436
Extruding and forming machine operators (755)	437
Mixing and blending machine operators (756)	438
Separating, filtering, and clarifying machine operators (757)	439
Compressing and compacting machine operators (758)	440
Painting and paint spraying machine operators (759-762)	441
Roasting and baking machine operators, food (763)	442
Washing, cleaning, and pickling machine operators (764)	443
Folding machine operators (765)	444
Furnace, kiln, and oven operators, except food (766-767)	445
Crushing and grinding machine operators (768)	446
Slicing and cutting machine operators (769-772)	447
Motion picture projectionists (773)	448
Photographic process machine operators (774-776)	449
Manufacturing, nondurable goods (777-778) (Industry codes 100-229) <sup>2</sup>	450
Manufacturing, durable goods (777-778) (Industry codes 230-399) <sup>2</sup>	451
Nonmanufacturing industries (777-778) (Industry codes 010-099,400-999) <sup>2</sup>	452
Manufacturing, nondurable goods (779-782) (Industry codes 100-229) <sup>3</sup>	453
Manufacturing, durable goods (779-782) (Industry codes 230-399) <sup>3</sup>	454
Nonmanufacturing industries (779-782) (Industry codes 010-099,400-999) <sup>3</sup>	455
Welders and cutters (783)	456
Solderers and brazers (784)	457
Assemblers (785)	458
Hand cutting and trimming occupations (786)	459
Hand molding, casting, and forming occupations (787-788)	460

<sup>2</sup>Industry tally of "Miscellaneous machine operators, n.e.c."

<sup>3</sup>Industry tally of "Machine operators, not specified"

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Occupation Codes—Con.**

Occupation	dBASE Code
Hand painting, coating, and decorating occupations (789-792)	461
Hand engraving and printing occupations (793-794)	462
Miscellaneous hand working occupations (795)	463
Production inspectors, checkers, and examiners (796)	464
Production testers (797)	465
Production samplers and weighers (798)	466
Graders and sorters, except agricultural (799-802)	467
Supervisors, motor vehicle operators (803)	468
Truck drivers (804-805)	469
Driver-sales workers (806-807)	470
Bus drivers (808)	471
Taxicab drivers and chauffeurs (809-812)	472
Parking lot attendants (813)	473
Motor transportation occupations, n.e.c. (814-822)	474
Railroad conductors and yardmasters (823)	475
Locomotive operating occupations (824)	476
Railroad brake, signal, and switch operators (825)	477
Rail vehicle operators, n.e.c. (826-827)	478
Ship captains and mates, except fishing boats (828)	479
Sailors and deckhands (829-832)	480
Marine engineers (833)	481
Bridge, lock, and lighthouse tenders (834-842)	482
Supervisors, material moving equipment operators (843)	483
Operating engineers (844)	484
Longshore equipment operators (845-847)	485
Holst and winch operators (848)	486
Crane and tower operators (849-852)	487
Excavating and loading machine operators (853-854)	488
Grader, dozer, and scraper operators (855)	489
Industrial truck and tractor equipment operators (856-858)	490
Miscellaneous material moving equipment operators (859-863)	491
Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (864)	492
Helpers, mechanics, and repairers (865)	493
Helpers, construction trades (866)	494
Helpers, surveyor (867)	495
Helpers, extractive occupations (868)	496
Construction laborers (869-873)	497
Production helpers (874)	498
Garbage collectors (875)	499
Stevedores (876)	500
Stock handlers and baggers (877)	501
Machine feeders and offbearers (878-882)	502
Freight, stock, and material handlers, n.e.c. (883-884)	503
Garage and service station related occupations (885-886)	504
Vehicle washers and equipment cleaners (887)	505
Hand packers and packagers (888)	506

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Occupation Codes—Con.**

Occupation	dBASE Code
Manufacturing, nondurable goods (889-902) (Industry codes 100-229) <sup>4</sup>	507
Manufacturing, durable goods (889-902) (Industry codes 230-399) <sup>4</sup>	508
Transportation, communications, and other public utilities (889-902) (Industry codes 400-499) <sup>4</sup>	509
Wholesale and retail trade (889-902) (Industry codes 500-699) <sup>4</sup>	510
All other industries (889-902) (Industry codes 010-099, 700-999) <sup>4</sup>	511
Unemployed, no recent civilian work experience (000, 903-999)	512

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<sup>4</sup>Industry tally of occupation "Laborers, except construction"

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Alphabetical Occupation Codes**

This alphabetical list is provided to provide quick access to a specific occupational dBASE code used in SP3001xx.DBF.

Occupation	dBASE Code
Accountants and auditors (023)	018
Actors and directors (187)	127
Actuaries (066)	047
Adjusters and calibrators (693)	398
Administrative support occupations, n.e.c. (389-402)	236
Administrators and officials, public administration (005)	003
Administrators, education and related fields (014)	009
Administrators, protective services (006)	004
Advertising and related sales occupations (256)	163
Aerospace (044)	031
Agricultural (054)	038
Agricultural and food scientists (077)	055
Agriculture and forestry teachers (136)	091
Air traffic controllers (227)	152
Aircraft engine mechanics (508)	305
Aircraft mechanics, except engine (515)	308
Airplane pilots and navigators (226)	151
All other industries (889-902) (Industry codes 010-099, 700-999) <sup>4</sup>	511
Animal caretakers, except farm (487)	292
Announcers (198)	134
Architects (043)	030
Archivists and curators (165)	111
Art, drama, and music teachers (137)	092
Artists, performers, and related workers, n.e.c. (194)	131
Assemblers (785)	458
Athletes (199-202)	135
Atmospheric and space scientists (074)	052
Attendants, amusement and recreation facilities (459-460)	272
Auctioneers (284)	180
Authors (183)	123
Automobile body and related repairers (514)	307
Automobile mechanic apprentices (506)	303
Automobile mechanics, except apprentices (505)	302
Baggage porters and bellhops (464)	276
Bakers (687)	395
Bank tellers (383)	231
Barbers (457)	270
Bartenders (434)	254
Bill and account collectors (378)	229
Billing clerks (339-342)	206
Billing, posting, and calculating machine operators (344)	208
Biological and life scientists (078)	056
Biological science teachers (114)	075
Biological technicians (223)	148
Boilermakers (643)	369
Bookbinders (679-682)	391
Bookkeepers, accounting, and auditing clerks (337)	204

<sup>4</sup>Industry tally of occupation "Laborers, except construction"

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Alphabetical Occupation Codes—Con.**

Occupation	dBASE Code
Brickmason and stonemason apprentices (564)	335
Brickmasons and stonemasons, except apprentices (563)	334
Bridge, lock, and lighthouse tenders (834-842)	482
Broadcast equipment operators (228)	153
Bus drivers (808)	471
Bus, truck, and stationary engine mechanics (507)	304
Business and promotion agents (034)	026
Business, commerce, and marketing teachers (135)	090
Butchers and meat cutters (886)	394
Buyers, wholesale and retail trade, except farm products (029-032)	024
Cabinet makers and bench carpenters (657)	379
Camera, watch, and musical instrument repairers (535)	320
Captains and other officers, fishing vessels (497)	298
Carpenter apprentices (569-572)	339
Carpenters, except apprentices (567-568)	338
Carpet installers (566)	337
Cashiers (276)	176
Cementing and gluing machine operators (753)	435
Chemical (048)	035
Chemical technicians (224)	149
Chemistry teachers (115)	076
Chemists, except biochemists (073)	051
Chief communications operators (306)	185
Chief executives and general administrators, public administration (004)	002
Child care workers, n.e.c. (468)	280
Child care workers, private household (406)	240
Civil (053)	037
Classified-ad clerks (325)	197
Clergy (176)	119
Clinical laboratory technologists and technicians (203)	136
Communications equipment operators, n.e.c. (353)	213
Compressing and compacting machine operators (758)	440
Computer operators (308)	187
Computer programmers (229-232)	154
Computer science teachers (129-132)	087
Computer systems analysts and scientists (064)	045
Concrete and terrazzo finishers (588)	349
Construction inspectors (035)	027
Construction laborers (869-873)	497
Construction trades, n.e.c. (599-612)	357
Cooks (436-437)	256
Cooks, private household (404)	238
Correctional institution officers (424)	249
Correspondence clerks (326)	198
Cost and rate clerks (343)	207
Counselors, educational and vocational (163)	109
Crane and tower operators (849-852)	487
Crossing guards (425)	250
Crushing and grinding machine operators (768)	446
Dancers (193)	130
Data processing equipment repairers (525)	314
Data-entry keyers (385)	233



**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Alphabetical Occupation Codes—Con.**

Occupation	dBASE Code
Demonstrators, promoters and models, sales (283)	179
Dental assistants (445)	261
Dental hygienists (204)	137
Dental laboratory and medical appliance technicians (678)	390
Dentists (085)	060
Designers (185)	125
Dietitians (097)	067
Dispatchers (359-362)	218
Drafting occupations (217)	146
Dressmakers (666)	382
Drillers, earth (598)	356
Drillers, oil well (614)	369
Drilling and boring machine operators (708)	408
Driver-sales workers (806-807)	470
Drywall installers (573-574)	340
Duplicating machine operators (345)	209
Early childhood teacher's assistants (467)	279
Earth, environmental, and marine science teachers (113)	074
Economics teachers (119-122)	080
Economists (166)	112
Editors and reporters (195-196)	132
Education teachers (139-142)	094
Electrical and electronic (055)	039
Electrical and electronic equipment assemblers (683)	392
Electrical and electronic technicians (213)	142
Electrical power installers and repairers (577-578)	343
Electrician apprentices (576)	342
Electricians, except apprentices (575)	341
Electronic repairers, communications and industrial equipment (523-524)	313
Elevator installers and repairers (543)	324
Elevator operators (454)	267
Eligibility clerks, social welfare (377)	228
Engineering teachers (127)	085
Engineering technicians, n.e.c. (216)	145
Engineers, n.e.c. (059-062)	043
English teachers (143)	095
Engravers, metal (649-652)	374
Excavating and loading machine operators (853-854)	488
Expeditors (373)	224
Explosives workers (615)	360
Extruding and forming machine operators (755)	437
Fabricating machine operators, n.e.c. (717-718)	413
Family child care providers (466)	278
Farm equipment mechanics (517)	310
Farm workers (479-482)	287
Farmers, except horticultural (473)	282
File clerks (335)	202
Financial managers (007)	005
Fire inspection and fire prevention occupations (416)	245
Firefighting occupations (417)	246
Fishers (498)	299
Folding machine operators (765)	444

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Alphabetical Occupation Codes—Con.**

Occupation	dBASE Code
Food batchmakers (688)	396
Food counter, fountain and related occupations (438)	257
Foreign language teachers (144)	096
Forestry and conservation scientists (079-082)	057
Forestry workers, except logging (495)	296
Forging machine operators (713)	410
Freight, stock, and material handlers, n.e.c. (883-884)	503
Funeral directors (019-020)	014
Furnace, kiln, and oven operators, except food (766-767)	445
Furniture and wood finishers (658)	380
Garage and service station related occupations (885-886)	504
Garbage collectors (875)	499
General office clerks (379-382)	230
Geologists and geodesists (075)	053
Glaziers (589-592)	350
Grader, dozer, and scraper operators (855)	489
Graders and sorters, agricultural products (488)	293
Graders and sorters, except agricultural (799-802)	467
Grinding, abrading, buffing, and polishing machine operators (709-712)	409
Groundskeepers and gardeners, except farm (486)	291
Guards and police, except public service (426)	251
Guides (461)	273
Hairdressers and cosmetologists (458)	271
Hand cutting and trimming occupations (786)	459
Hand engraving and printing occupations (793-794)	462
Hand molders and shapers, except jewelers (675)	387
Hand molding, casting, and forming occupations (787-788)	460
Hand packers and packagers (888)	506
Hand painting, coating, and decorating occupations (789-792)	461
Health aides, except nursing (446)	262
Health diagnosing practitioners, n.e.c. (089-094)	064
Health record technologists and technicians (205)	138
Health specialties teachers (134)	089
Health technologists and technicians, n.e.c. (208-212)	141
Heat treating equipment operators (724)	416
Heating, air conditioning, and refrigeration mechanics (534)	319
Heavy equipment mechanics (516)	309
Helpers, construction trades (866)	494
Helpers, extractive occupations (868)	496
Helpers, mechanics, and repairers (865)	493
Helpers, surveyor (867)	495
History teachers (123)	081
Hoist and winch operators (848)	486
Home economics teachers (149-152)	101
Horticultural specialty farmers (474)	283
Hotel clerks (317)	193
Household appliance and power tool repairers (526)	315
Housekeepers and butlers (405)	239
Hunters and trappers (499-502)	300
Industrial (056)	040
Industrial engineering technicians (214)	143
Industrial machinery repairers (518)	311

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Alphabetical Occupation Codes—Con.**

Occupation	dBASE Code
Industrial truck and tractor equipment operators (856-858)	490
Information clerks, n.e.c. (323-324)	196
Inspectors and compliance officers, except construction (036)	028
Inspectors, agricultural products (489-493)	294
Inspectors, testers, and graders (689-692)	397
Insulation workers (593)	351
Insurance adjusters, examiners, and investigators (375)	226
Insurance sales occupations (253)	160
Interviewers (316)	192
Investigators and adjusters, except insurance (376)	227
Janitors and cleaners (453)	266
Judges (179-182)	122
Kitchen workers, food preparation (439-442)	258
Knitting, looping, taping, and weaving machine operators (739-742)	428
Lathe and turning machine operators (704)	404
Lathe and turning machine set-up operators (703)	403
Launderers and ironers (403)	237
Laundering and dry cleaning machine operators (748)	433
Law teachers (145)	097
Lawyers (178)	121
Lay-out workers (646)	372
Legal assistants (234)	156
Legislators (001-003)	001
Librarians (164)	110
Library clerks (329-334)	201
Licensed practical nurses (207)	140
Locksmiths and safe repairers (536-537)	321
Locomotive operating occupations (824)	476
Longshore equipment operators (845-847)	485
Machine feeders and offbearers (878-882)	502
Machinery maintenance occupations (519-522)	312
Machinist apprentices (639-642)	368
Machinists, except apprentices (637-638)	367
Mails and housemen (449-452)	265
Mail carriers, postal service (355)	215
Mail clerks, except postal service (356)	216
Mail preparing and paper handling machine operators (346)	210
Management analysts (026)	021
Management related occupations, n.e.c. (037-042)	029
Managers and administrators, n.e.c., salaried (022) (Class of worker codes 1-5, 7, 9) <sup>1</sup>	016
Managers and administrators, n.e.c., self-employed (022) (Class of worker codes 6, 8) <sup>1</sup>	017
Managers, farms, except horticultural (475)	284
Managers, food serving and lodging establishments (017)	012
Managers, horticultural specialty farms (476)	285
Managers, marketing, advertising, and public relations (013)	008
Managers, medicine and health (015)	010
Managers, properties and real estate (018)	013
Managers, service organizations, n.e.c. (021)	015
Manufacturing, durable goods (777-778) (Industry codes 230-399) <sup>2</sup>	451

<sup>1</sup>See How to Use This File chapter for class of worker code definitions.

<sup>2</sup>Industry tally of "Miscellaneous machine operators, n.e.c."

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Alphabetical Occupation Codes—Con.**

Occupation	dBASE Code
Manufacturing, durable goods (779-782) (Industry codes 230-399) <sup>3</sup>	454
Manufacturing, durable goods (889-902) (Industry codes 230-399) <sup>4</sup>	508
Manufacturing, nondurable goods (777-778) (Industry codes 100-229) <sup>2</sup>	450
Manufacturing, nondurable goods (779-782) (Industry codes 100-229) <sup>3</sup>	453
Manufacturing, nondurable goods (889-902) (Industry codes 100-229) <sup>4</sup>	507
Marine and naval architects (058)	042
Marine engineers (833)	481
Marine life cultivation workers (483)	288
Material recording, scheduling, and distributing clerks, n.e.c. (374)	225
Mathematical science teachers (128)	086
Mathematical scientists, n.e.c. (068)	049
Mechanical (057)	041
Mechanical controls and valve repairers (539-542)	323
Mechanical engineering technicians (215)	144
Medical science teachers (133)	088
Medical scientists (083)	058
Messengers (357-358)	217
Metal plating machine operators (723)	415
Metallurgical and materials (045)	032
Meter readers (366-367)	222
Milling and planing machine operators (705)	405
Millwrights (544-546)	325
Mining (046)	033
Mining machine operators (616)	361
Mining occupations, n.e.c. (617-627)	362
Miscellaneous electrical and electronic equipment repairers (533)	318
Miscellaneous food preparation occupations (444)	260
Miscellaneous hand working occupations (795)	463
Miscellaneous material moving equipment operators (859-863)	491
Miscellaneous metal and plastic processing machine operators (725)	417
Miscellaneous metal, plastic, stone, and glass working machine operators (715-716)	412
Miscellaneous plant and system operators (699-702)	402
Miscellaneous precision apparel and fabric workers (674)	386
Miscellaneous precision metal workers (655)	377
Miscellaneous precision woodworkers (659-665)	381
Miscellaneous precision workers, n.e.c. (684-685)	393
Miscellaneous printing machine operators (737)	426
Miscellaneous textile machine operators (749-752)	434
Miscellaneous woodworking machine operators (733)	422
Mixing and blending machine operators (756)	438
Molding and casting machine operators (719-722)	414
Motion picture projectionists (773)	448
Motor transportation occupations, n.e.c. (814-822)	474
Musicians and composers (186)	126
Nailing and tacking machine operators (729-732)	421
Natural science teachers, n.e.c. (117)	078
News vendors (278-282)	178

<sup>2</sup>Industry tally of "Miscellaneous machine operators, n.e.c."

<sup>3</sup>Industry tally of "Machine operators, not specified"

<sup>4</sup>Industry tally of occupation "Laborers, except construction"

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Alphabetical Occupation Codes—Con.**

Occupation	dBASE Code
Nonmanufacturing industries (777-778) (Industry codes 010-099,400-999) <sup>2</sup>	452
Nonmanufacturing industries (779-782) (Industry codes 010-099,400-999) <sup>3</sup>	455
Not specified mechanics and repairers (549-552)	327
Nuclear (049-052)	036
Numerical control machine operators (714)	411
Nursery workers (484)	289
Nursing aides, orderlies, and attendants (447)	263
Occupational therapists (099-102)	069
Office machine operators, n.e.c. (347)	211
Office machine repairers (538)	322
Operating engineers (844)	484
Operations and systems researchers and analysts (065)	046
Optical goods workers (677)	389
Optometrists (087)	062
Order clerks (327)	199
Other financial officers (025)	020
Packaging and filling machine operators (754)	436
Painters, construction and maintenance (579-582)	344
Painters, sculptors, craft-artists, and artist printmakers (188)	128
Painting and paint spraying machine operators (759-762)	441
Paperhangers (583)	345
Parking lot attendants (813)	473
Patternmakers and model makers, metal (645)	371
Patternmakers and model makers, wood (656)	378
Patternmakers, lay-out workers, and cutters (676)	388
Paving, surfacing, and tamping equipment operators (594)	352
Payroll and timekeeping clerks (338)	205
Peripheral equipment operators (309-312)	188
Personal service occupations, n.e.c. (469-472)	281
Personnel and labor relations managers (008)	006
Personnel clerks, except payroll and timekeeping (328)	200
Personnel, training, and labor relations specialists (027)	022
Pest control occupations (455)	268
Petroleum (047)	034
Pharmacists (096)	066
Photoengravers and lithographers (735)	424
Photographers (189-192)	129
Photographic process machine operators (774-776)	449
Physical education teachers (138)	093
Physical scientists, n.e.c. (076)	054
Physical therapists (103)	070
Physicians (084)	059
Physicians' assistants (106-112)	073
Physicists and astronomers (069-072)	050
Physics teachers (116)	077
Plasterers (584)	346
Plumber, pipefitter, and steamfitter apprentices (587)	348
Plumbers, pipefitters, and steamfitters, except apprentices (585-586)	347
Podiatrists (088)	063

<sup>2</sup>Industry tally of "Miscellaneous machine operators, n.e.c."

<sup>3</sup>Industry tally of "Machine operators, not specified"

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Alphabetical Occupation Codes—Con.**

Occupation	dBASE Code
Police and detectives, public service (418-422)	247
Political science teachers (124)	082
Postal clerks, except mail carriers (354)	214
Postmasters and mail superintendents (016)	011
Postsecondary teachers, subject not specified (154)	103
Power plant operators (695)	400
Precious stones and metals workers (Jewelers) (647-648)	373
Precision assemblers, metal (636)	366
Precision grinders, filers, and tool sharpeners (644)	370
Pressing machine operators (747)	432
Printing press operators (734)	423
Private household cleaners and servants (407-412)	241
Production coordinators (363)	219
Production helpers (874)	498
Production inspectors, checkers, and examiners (796)	464
Production samplers and weighers (798)	466
Production testers (797)	465
Proofreaders (384)	232
Protective service occupations, n.e.c. (427-432)	252
Psychologists (167)	113
Psychology teachers (118)	079
Public relations specialists (197)	133
Public transportation attendants (463)	275
Punching and stamping press machine operators (706)	406
Purchasing agents and buyers, farm products (028)	023
Purchasing agents and buyers, n.e.c. (033)	025
Purchasing managers (009-012)	007
Radiologic technicians (206)	139
Rail vehicle operators, n.e.c. (826-827)	478
Railroad brake, signal, and switch operators (825)	477
Railroad conductors and yardmasters (823)	475
Real estate sales occupations (254)	161
Receptionists (319-322)	195
Records clerks (336)	203
Recreation workers (175)	118
Registered nurses (095)	065
Religious workers, n.e.c. (177)	120
Respiratory therapists (098)	068
Roasting and baking machine operators, food (763)	442
Rolling machine operators (707)	407
Roofers (595)	353
Sailors and deckhands (829-832)	480
Sales counter clerks (275)	175
Sales engineers (258)	165
Sales occupations, other business services (257)	164
Sales representatives, mining, manufacturing, and wholesale (259-262)	166
Sales support occupations, n.e.c. (285-302)	181
Sales workers, apparel (264)	168
Sales workers, furniture and home furnishings (266)	170
Sales workers, hardware and building supplies (268)	172
Sales workers, motor vehicles and boats (263)	167
Sales workers, other commodities (274)	174

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Alphabetical Occupation Codes—Con.**

Occupation	dBASE Code
Sales workers, parts (269-273)	173
Sales workers, radio, TV, hi-fi, and appliances (267)	171
Sales workers, shoes (265)	169
Sawing machine operators (727)	419
Science technicians, n.e.c. (225)	150
Secretaries (313)	189
Securities and financial services sales occupations (255)	162
Separating, filtering, and clarifying machine operators (757)	439
Shaping and joining machine operators (728)	420
Sheet metal worker apprentices (654)	376
Sheet metal workers, except apprentices (653)	375
Sheetmetal duct installers (596)	354
Sheriffs, bailiffs, and other law enforcement officers (423)	248
Ship captains and mates, except fishing boats (828)	479
Shoe machine operators (745-746)	431
Shoe repairers (669-673)	385
Slicing and cutting machine operators (769-772)	447
Small engine repairers (509-513)	306
Social science teachers, n.e.c. (126)	084
Social scientists, n.e.c. (169-172)	115
Social work teachers (146)	098
Social workers (174)	117
Sociologists (168)	114
Sociology teachers (125)	083
Solderers and brazers (784)	457
Specified mechanics and repairers, n.e.c. (547-548)	326
Speech therapists (104)	071
Stationary engineers (696-698)	401
Statistical clerks (386)	234
Statisticians (067)	048
Stenographers (314)	190
Stevedores (876)	500
Stock and inventory clerks (365)	221
Stock handlers and baggers (877)	501
Street and door-to-door sales workers (277)	177
Structural metal workers (597)	355
Supervisors and proprietors, sales occupations, salaried (243-252) (Class of worker codes 1-5, 7, 9)	158
Supervisors and proprietors, sales occupations, self employed (243-252) (Class of worker codes 6, 8)	159
Supervisors, brickmasons, stonemasons, and tile setters (553)	328
Supervisors, carpenters and related workers (554)	329
Supervisors, cleaning and building service workers (448)	264
Supervisors, computer equipment operators (304)	183
Supervisors, construction n.e.c. (558-562)	333
Supervisors, distribution, scheduling, and adjusting clerks (307)	186
Supervisors, electricians and power transmission installers (555)	330
Supervisors, extractive occupations (613)	358
Supervisors, farm workers (477-478)	286
Supervisors, financial records processing (305)	184
Supervisors, firefighting and fire prevention occupations (413)	242
Supervisors, food preparation and service occupations (433)	253
Supervisors, forestry and logging workers (494)	295
Supervisors, general office (303)	182

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Alphabetical Occupation Codes—Con.**

Occupation	dBASE Code
Supervisors, guards (415)	244
Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (864)	492
Supervisors, material moving equipment operators (843)	483
Supervisors, mechanics and repairers (503-504)	301
Supervisors, motor vehicle operators (803)	468
Supervisors, painters, paperhangers, and plasterers (556)	331
Supervisors, personal service occupations (456)	269
Supervisors, plumbers, pipefitters, and steamfitters (557)	332
Supervisors, police and detectives (414)	243
Supervisors, production occupations (628-633)	363
Supervisors, related agricultural occupations (485)	290
Surveying and mapping technicians (218-222)	147
Surveyors and mapping scientists (063)	044
Tailors (667)	383
Taxicab drivers and chauffeurs (809-812)	472
Teachers' aides (387-388)	235
Teachers, elementary school (156)	105
Teachers, n.e.c. (159-162)	108
Teachers, postsecondary, n.e.c. (153)	102
Teachers, prekindergarten and kindergarten (155)	104
Teachers, secondary school (157)	106
Teachers, special education (158)	107
Technical writers (184)	124
Technicians, n.e.c. (235-242)	157
Telephone installers and repairers (529-532)	317
Telephone line installers and repairers (527-528)	316
Telephone operators (348-352)	212
Textile cutting machine operators (743)	429
Textile sewing machine operators (744)	430
Theology teachers (147)	099
Therapists, n.e.c. (105)	072
Tile setters, hard and soft (565)	336
Timber cutting and logging occupations (496)	297
Tool and die maker apprentices (635)	365
Tool and die makers, except apprentices (634)	364
Tool programmers, numerical control (233)	155
Trade and industrial teachers (148)	100
Traffic, shipping, and receiving clerks (364)	220
Transportation ticket and reservation agents (318)	194
Transportation, communications, and other public utilities (889-902) (Industry codes 400-499) <sup>4</sup>	509
Truck drivers (804-805)	469
Typesetters and compositors (736)	425
Typists (315)	191
Underwriters (024)	019
Unemployed, no recent civilian work experience (000, 903-999)	512
Upholsterers (668)	384
Urban planners (173)	116
Ushers (462)	274
Vehicle washers and equipment cleaners (887)	505
Veterinarians (086)	061

<sup>4</sup>Industry tally of occupation "Laborers, except construction"



**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Alphabetical Occupation Codes—Con.**

Occupation	dBASE Code
Waiters and waitresses (435)	255
Waiters' /waitresses' assistants (443)	259
Washing, cleaning, and pickling machine operators (764)	443
Water and sewage treatment plant operators (694)	399
Weighers, measurers, checkers, and samplers (368-372)	223
Welders and cutters (783)	456
Welfare service aides (465)	277
Wholesale and retail trade (889-902) (Industry codes 500-699) <sup>4</sup>	510
Winding and twisting machine operators (738)	427
Wood lathe, routing, and planing machine operators (726)	418

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<sup>4</sup>Industry tally of occupation "Laborers, except construction"

**DATABASE - GENERATED CODE LISTS SECTION—Con.**  
**Education Codes**

Description	dBASE Code
Not high school graduate	1
High school graduate (Includes equivalency)	2
Some college or associate degree	3
Bachelor's degree	4
Graduate or professional degree	5

# APPENDIX A. Area Classifications

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These definitions are for many geographic entities and concepts that the Census Bureau will include in its 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.

## AREA CLASSIFICATIONS

## 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.

## **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 presentation 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"

## 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.

### **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.

### **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.

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.

## **UNITED STATES**

The United States comprises the 50 States and the District of Columbia. In addition, the Census Bureau

# APPENDIX B. Definitions of Subject Characteristics

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## SUBJECT 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.)

### 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.

## 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.

## **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 236 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 501 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 501 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.