# APPENDIX E.
# Facsimilies of Respondent Instructions and Questionnaire Pages

Appendix E. not available in machine-readable format.

# APPENDIX F.
# Data Products and User Assistance

CONTENTS

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

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

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

## DATA PRODUCTS

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

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

## PRINTED REPORTS

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

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

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

COMPUTER TAPE FILES

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

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

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

Here are some important features of STF'S:

- Each STF presents a particular set of data tables for specific types of geographic areas.

- Each STF has three or more file types (indicated by a letter suffix attached to the STF number) that differ in the geographic levels reported, but contain the same data detail.

- STF's 1 and 2 contain 100-percent data, and STF's 3 and 4 offer sample data.

- STF's 1 and 3 report on smaller areas and offer less data detail than STF's 2 and 4.

- STF's 1 through 4 offer greater data detail than the 1980 STF's 1 through 4.

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

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

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

- A file presenting a 5-percent sample of housing units in which each household record includes codes to let the user know in what area, such as a group of counties, a single county, or a place, the household is located. Each area identified must have a population of at least 100,000 and boundaries that do not cross State lines.

- A file presenting a 1-percent sample of housing units. Its household records include codes associating them with MA's and other large areas, the boundaries of which may cross State lines. (For the 1980 census, there were two files with 1-percent samples. The 1-percent sample showing data for selected urbanized areas and other large areas will not be produced for the 1990 census.)

There also is a special 3-percent "elderly" file with the same geography as the 5-percent sample. Included are households with at least one person age 60 or more and all members of those households.

OTHER SPECIAL COMPUTER TAPE FILES-Other files include the Census/Equal Employment Opportunity (EEO) File and the County-to-County Migration File. (See figure 4.) The Census Bureau

may prepare additional special files.

MICROFICHE

All printed reports are offered on microfiche from Customer Services soon after they are published. Plans to prepare microfiche versions of selected other prod- ducts were canceled, so that more products could be produced on CD-ROM.

COMPACT DISC-READ-ONLY MEMORY (CD-ROM)

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

ONLINE INFORMATION SYSTEMS

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

CUSTOM DATA PRODUCTS

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

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

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

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

GEOGRAPHIC PRODUCTS

MAPS

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

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

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

CENSUS TRACT/BLOCK NUMBERING AREA (BNA) OUTLINE MAPS-Maps in this county-based series depict census tract or BNA boundaries and numbers, and the features undertone the boundaries. They also show governmental units in relation to the census tracts/BNA'S. The Superintendent of Documents sells printed copies.

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

GEOGRAPHIC PUBLICATIONS

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

MACHINE-READABLE GEOGRAPHIC FILES

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

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

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

The first extract of selected geographic and cartographic information intended for computer applications, such as plotting maps and building geographic information systems, is called the TIGER/Line (trademark) files. TIGER/Line (trademark) files contain attributes for the segments of each boundary and feature (for example, roads, railroads, and rivers), including 1990 census geographic codes for adjacent areas, latitude/longitude coordinates of segment end points and the curvature of segments, the name and type of the feature, and the relevant census feature class code identifying the feature segment by category. TIGER/Line (trademark) files also furnish address and associated ZIP Codes for each side of street segments in major urban areas; provide the names of landmarks, such as lakes and golf courses; and include other information.

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

REFERENCE MATERIALS

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

- 1990 CENSUS OF POPULATION AND HOUSING GUIDE. This guide, in the 1990 CPH-R report series, provides detailed information about all aspects of the census and a comprehensive glossary of census terms. Sold by the Superintendent of Documents, U.S. Government Printing Office.

- 1990 CENSUS OF POPULATION AND HOUSING TABULATION AND PUBLICATION PROGRAM. A free report describing 1990 census products, comparing 1990 products with those of 1980, and more. Request from Customer Services.

- CENSUS '90 BASICS. A free booklet covering how the 1990 census data were collected and processed, the full range of data products, the maps and geographic files, and more, but with less detail than the Guide (above). Request from Customer Services.

- CENSUS ABC'S-APPLICATIONS IN BUSINESS AND COMMUNITY. A free booklet that highlights key information about the 1990 census and illustrates a variety of ways the data can be used Request from Customer Services.

- STRENGTH IN NUMBERS. A free, tabloid-size booklet designed to assist people in using 1990 census data in redistricting. Among other features, it includes illustrations of maps and Public Law 94-171 counts. Request from Customer Services.

- TIGER: THE COAST-TO-COAST DIGITAL MAP DATA BASE. A free booklet describing the structure and uses of the Census Bureau's TIGER System. Request from Customer Services.

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

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

- CENSUS CATALOG AND GUIDE. A comprehensive annual description of

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

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

SOURCES OF ASSISTANCE

U.S. BUREAU OF THE CENSUS

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

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

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

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

REGIONAL OFFICE CONTACTS-

| | |
|---|---|
| Atlanta, GA | 404-730-3833 |
| Boston, MA | 617-565-7078 |
| Charlotte, NC | 704-344-6144 |
| Chicago, IL | 312-353-0980 |
| Dallas, TX | 214-767-7105 |
| Denver, CO | 303-969-7750 |
| Detroit, MI | 313-354-4654 |
| Kansas City, KS | 913-236-3711 |
| Los Angeles, CA | 818-904-6339 |

| | |
|---|---|
| New York, NY | 212-264-4730 |
| Philadelphia, PA | 215-597-8313 |
| Seattle, WA | 206-728-5314 |

SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE

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

OTHER SOURCES OF PRODUCTS AND SERVICES

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

CENSUS INFORMATION CENTER (CIC)-The CIC program provides data-related services for nationally based nonprofit organizations that represent minorities or other segments of the population who have been historically undercounted in decennial censuses. The participants include social service, business, professional, civil rights, educational, and religious groups. Through the project, five nonprofit groups now offer their clientele reports, computer tape printouts, and other information from the Census Bureau. To learn more about the program write to the Census Information Center Branch, Data User Services Division, Bureau of the Census, Washington, DC 20233, or call 301-763-1384.

NATIONAL CLEARINGHOUSE-The National Clearinghouse for Census Data Services is a listing of private companies and other organizations that offer assistance in obtaining and using data released by the Census Bureau. For a list of participants in the National Clearinghouse, see the CENSUS CATALOG AND GUIDE or contact Customer Services.

DEPOSITORY LIBRARIES-There are 1,400 libraries that receive (from the Government Printing Office) Federal publications that they think their patrons will need. Often some of these publications are Census Bureau reports. The Census Bureau provides free reports to an additional 120 census depository libraries. Also, many libraries

purchase census reports and maps for their areas. The CENSUS CATALOG AND GUIDE includes a list of all depository libraries.

OTHER CENSUS BUREAU RESOURCES

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

- PEOPLE: Age, race, sex, income, poverty, child care, child support, fertility, noncash benefits, education, commuting habits, pension coverage, unemployment, ancestry.

- BUSINESS AND INDUSTRY: Number of employees, total payroll, sales and receipts, products manufactured or sold.

- HOUSING AND CONSTRUCTION: Value of new construction, numbers of owners and renters, property value or rent paid, housing starts, fuels used, mortgage costs.

- FARMS: Number, acreage, livestock, crop sales.

- GOVERNMENTS: Revenues and expenditures, taxes, employment, pension funds.

- Foreign trade: Exports and imports, origin and nation, units shipped.

- OTHER NATIONS: Population, birth rates, death rates, literacy, fertility.

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

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

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

CURRENT DEMOGRAPHIC AND HOUSING PROGRAMS

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

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

ECONOMIC CENSUSES AND SURVEYS

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

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

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

AGRICULTURE CENSUS AND SURVEYS

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

Results of three surveys--the 1988 Farm and Ranch Irrigation Survey, 1988 Census of Horticulture Specialties, and 1988 Agricultural Economics and Land Ownership Survey--are published in

conjunction with the 1987 Census of Agriculture. Also, the Census Bureau regularly issues reports from a survey on cotton ginnings.

GOVERNMENTS CENSUS AND SURVEYS

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

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

FOREIGN TRADE STATISTICS

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

OTHER STATISTICAL ACTIVITIES

The Census Bureau also offers international data. It maintains an international data base which is available to the public on computer tape and is used to produce the biennial WORLD POPULATION PROFILE report. It prepares studies dealing with the demographic and economic characteristics of other countries and world regions.

Statistical compendia are another important data product. These publications (sometimes also offered in machine-readable form) draw data from many sources and reorganize them for convenient use. The most widely used compendia are the annual STATISTICAL ABSTRACT OF THE UNITED STATES, the COUNTY AND CITY DATA BOOK (published every 5 years), and the STATE AND METROPOLITAN AREA DATA BOOK (published approximately every 4 years).

FIGURE 1. 1990 CENSUS CONTENT

100-PERCENT COMPONENT

| POPULATION | HOUSING |
|---|---|
| Household relationship | Number of units in structure |
| Sex | Number of rooms in unit |
| Race | Tenure-owned or rented |
| Age | Value of home or monthly rent |
| Marital status | Congregate housing (meals included in rent) |
| Hispanic origin | Vacancy characteristics |

SAMPLE COMPONENT

| POPULATION | HOUSING |
|---|---|
| SOCIAL CHARACTERISTICS: | Year moved into residence |
| Education-enrollment and attainment | Number of bedrooms |
| Place of birth, citizenship, and year of entry into U.S. | Plumbing and kitchen facilities |
| Ancestry | Telephone in unit |
| Language spoken at home | Vehicles available |
| Migration (residence in 1985) | Heating fuel |
| Disability | Source of water and method of sewage disposal |
| Fertility | Year structure built |
| Veteran status | Condominium status |
| | Farm residence |
| | Shelter costs, including utilities |
| ECONOMIC CHARACTERISTICS: | |
| Labor force | |
| Occupation, industry, and class of worker | |
| Place of work and journey to work | |
| Work experience in 1989 | |
| Income in 1989 | |
| Year last worked | |

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

FIGURE 2. 1990 CENSUS PRINTED REPORTS

| SERIES | TITLE<br>DESCRIPTION | REPORT(S) ISSUED FOR<br>GEOGRAPHIC AREAS |
|---|---|---|
| | 1990 CENSUS OF POPULATION AND HOUSING (1990 CPH) | |
| | 100-PERCENT DATA | |
| 1990 CPH-1 | SUMMARY POPULATION AND HOUSING CHARACTERISTICS | U.S., States, DC, Puerto Rico, and U.S. Virgin Islands |
| | Population and housing unit counts, and summary statistics on age, sex, race, Hispanic origin, household relationship, units in structure, value and rent, number of rooms, tenure, and vacancy characteristics | Local governmental units (i.e., counties, places, and towns and townships), other county subdivisions, and American Indian and Alaska Native areas |
| 1990 CPH-2 | POPULATION AND HOUSING UNIT COUNTS | U.S., States, DC, Puerto Rico, and U.S. Virgin Islands |
| | Total population and housing unit counts for 1990 and previous censuses | States, counties, county subdivisions, places, State component parts of metropolitan areas (MA's) and urbanized areas (UA's), and summary geographic areas (for example, urban and rural) |
| | 100-PERCENT AND SAMPLE DATA | |
| 1990 CPH-3 | POPULATION AND HOUSING CHARACTERISTICS FOR CENSUS TRACTS AND BLOCK NUMBERING AREAS | MA's, and the nonmetropolitan balance of each State, Puerto Rico, and U.S. Virgin Islands |
| | Statistics on 100-percent and sample population and housing subjects | In MA's: census tracts/block numbering areas (BNA's), places of 10,000 or more inhabitants, and counties. In the remainder of each State: census tracts/BNA'S, places of 10,000 or more, and |

counties

| | | |
|---|---|---|
| 1990 CPH-4 | POPULATION AND HOUSING CHARACTERISTICS FOR CONGRESSIONAL DISTRICTS OF THE 103RD CONGRESS | States and DC |
| | Statistics on 100-percent and sample population and housing subjects | Congressional districts (CD's) and, within CD's, counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, and American Indian Sample Data and Alaska Native areas |

SAMPLE DATA

| | | |
|---|---|---|
| 1990 CPH-5 | SUMMARY SOCIAL, ECONOMIC, AND HOUSING CHARACTERISTICS | U.S., States, DC, Puerto Rico, and U.S. Virgin Islands |
| | Statistics generally on sample population and housing subjects | Local governmental units (i.e., counties, places, and towns and townships), other county subdivisions, and American Indian and Alaska Native areas |

1990 CENSUS OF POPULATION (1990 CP)

100-Percent Data

| | | |
|---|---|---|
| 1990 CP-1 | GENERAL POPULATION CHARACTERISTICS | U.S., States, DC, Puerto Rico, and U.S. Virgin Islands |
| | Detailed statistics on age, sex, race, Hispanic origin, marital status, and household relationship characteristics | States, counties, places of 1,000 or more inhabitants, county subdivisions of 1,000 or more inhabitants in selected States, State parts of American Indian areas, Alaska Native areas, and summary geographic areas such as urban and rural |

| | | |
|---|---|---|
| 1990 CP-1-1A | GENERAL POPULATION CHARACTERISTICS FOR AMERICAN INDIAN AND ALASKA NATIVE AREAS | U.S. |
| | Detailed statistics on age, sex, race, Hispanic origin, marital status, and household relationship characteristics | American Indian and Alaska Native areas; i.e., American Indian reservations, off-reservation trust lands, tribal jurisdiction statistical areas (Oklahoma), tribal designated statistical areas, Alaska Native village statistical areas, and Alaska Native Regional Corporations |
| 1990 CP-1-1B | GENERAL POPULATION CHARACTERISTICS FOR METROPOLITAN AREAS | U.S. |
| | Detailed statistics on age, sex, race Hispanic origin, marital status, and household relationship characteristics | Individual MA's. For MA's split by State boundaries summaries are provided both for the parts and for the whole MA |
| 1990 CP-1-1C | GENERAL POPULATION CHARACTERISTICS FOR URBANIZED AREAS | U.S. |
| | Detailed statistics on age, sex, race, Hispanic origin, marital status, and household relationship characteristics | Individual UA's. For UA's split by State boundaries, summaries are provided both for the parts and for the whole UA |

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SAMPLE DATA

| | | |
|---|---|---|
| 1990 CP-2 | SOCIAL AND ECONOMIC CHARACTERISTICS | U.S., States, DC, Puerto Rico and U.S. Virgin Islands |
| | Statistics generally on sample population subjects | States (including summaries such as urban and rural), counties, places of 2,500 or more inhabitants, county sub-divisions of 2,500 or more inhabitants in selected States, Alaska Native areas, and the State portion of American Indian areas |

| | | |
|---|---|---|
| 1990 CP-2-1A | SOCIAL AND ECONOMIC CHARACTERISTICS OF AMERICAN INDIAN AND ALASKA NATIVE AREAS | U.S. |
| | Statistics generally on sample population subjects | American Indian and Alaska Native areas, as for CP-1-1A |
| 1990 CP-2-1B | SOCIAL AND ECONOMIC CHARACTERISTICS FOR METROPOLITAN AREAS | U.S. |
| | Statistics generally on sample population subjects | Individual MA's, as for CP-1-1B |
| 1990 CP-2-1C | SOCIAL AND ECONOMIC CHARACTERISTICS FOR URBANIZED AREAS | U.S. |
| | Statistics generally on sample population subjects | Individual UA's, as for CP-1-1C |
| 1990 CP-3 | POPULATION SUBJECT REPORTS | Selected subjects |
| | Approximately 30 reports on population census subjects such as migration, education, income, the older population, and racial and ethnic groups | Generally limited to the U.S., regions, and divisions; for some reports, other highly populated areas such as States, MA's, counties, and large places |

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## 1990 CENSUS OF HOUSING (1990 CH)

### 100-PERCENT DATA

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|---|---|---|
| 1990 CH-1 | GENERAL HOUSING CHARACTERISTICS | U.S., States, DC, Puerto Rico, and U.S. Virgin Islands |
| | Detailed statistics on units in structure, value and rent, number of rooms, tenure, and vacancy characteristics | States, counties, places of 1,000 or more inhabitants, county subdivisions of 1,000 or more inhabitants in selected States, State parts of American Indian areas, Alaska Native areas, and summary geographic areas such as urban and rural |

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|---|---|---|
| 1990 CH-1-1A | GENERAL HOUSING CHARACTERISTICS FOR AMERICAN INDIAN AND ALASKA NATIVE AREAS | U.S. |
| | Detailed statistics on units in structure, value and rent, number of rooms, tenure, and vacancy characteristics | American Indian and Alaska Native areas; i.e., American Indian reservations, trust lands, tribal jurisdiction statistical areas (Oklahoma), tribal designated statistical areas, Alaska Native village Statistical areas, and Alaska Native Regional Corporations |
| 1990 CH-1-1B | GENERAL HOUSING CHARACTERISTICS FOR METROPOLITAN AREAS | U.S. |
| | Detailed statistics on units in structure, value and rent, number of rooms, tenure, and vacancy characteristics | Individual MA's. For MA's split by State boundaries, summaries are provided both for the parts and for the whole MA |
| 1990 CH-1-1C | GENERAL HOUSING CHARACTERISTICS FOR URBANIZED AREAS | U.S. |
| | Detailed statistics on units in structure, value and rent, number of rooms, tenure, and vacancy characteristics | Individual UA's. For UA's split by State boundaries, summaries are provided both for the parts and for the whole UA |

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SAMPLE DATA

| | | |
|---|---|---|
| 1990 CH-2 | DETAILED HOUSING CHARACTERISTICS | U.S., States, DC, Puerto Rico, and U.S. Virgin Islands |
| | Statistics generally on sample housing subjects | States (including summaries such as urban and rural), counties, places or 2,500 or more inhabitants, county subdivisions or 2,500, or more inhabitants in selected States, Alaska Native areas, and State parts of American Indian areas |

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|---|---|---|
| 1990 CH-2-1A | Detailed Housing Characteristics for American Indian and Alaska Native Areas | U.S. |
| | Statistics generally on sample housing subjects | American Indian and Alaska Native areas, as in 1990 CH-1-1A |
| 1990 CH-2-1B | DETAILED HOUSING CHARACTERISTICS FOR METROPOLITAN AREAS | U.S. |
| | Statistics generally on sample housing subjects | Individual MA's, as in 1990 CH-1-1B |
| 1990 CH-2-1C | DETAILED HOUSING CHARACTERISTICS FOR URBANIZED AREAS | U.S. |
| | Statistitcs generally on sample housing subjects | Individual UA's, as in 1990 CH-1-1C |
| 1990 CH-3 | HOUSING SUBJECT REPORTS | Selected subjects |
| | Approximately 10 reports on housing census subjects such as structural characteristics and space utilization | Generally limited to U.S., regions, and divisions; for some reports, other highly populated areas such as States, MA's, counties, and large places |

FIGURE 3. 1990 CENSUS SUMMARY TAPE FILES

| SUMMARY TAPE FILE (STF 1A, 1B, ETC.) AND DATA TYPE (100 PERCENT OR SAMPLE) /1 | | GEOGRAPHIC AREAS | DESCRIPTION |
|---|---|---|---|
| | A /2 | States, counties, county subdivisions, places, census tracts/block numbering areas (BNA's), block groups (BG's). Also Alaska Native areas and State parts of American Indian areas | |
| | B /2 | States, counties, county subdivisions, places, census tracts/BNA's, BG's, blocks. Also Alaska Native areas and State parts of American Indian areas | |
| STF 1 (100 percent) | C /2 | U.S., regions, divisions, States (including summaries such as urban and rural), counties, places of 10,000 or more inhabitants in selected States, metropolitan areas (MA's), urbanized areas (UA's), American Indian and Alaska Native areas | Over 900 cells/ items of 100-percent population and housing counts and characteristics for each geographic area |
| | D | Congressional districts (CD's) of the 103rd Congress by State; and within each CD: counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, Alaska Native areas, and American Indian areas | |
| | A | In MA's: counties, places of 10,000 or more inhabitants, and census tracts/BNA's. In the remainder of each State: counties, places of 10,000 or more inhabitants, and census tracts/BNA's | |

| | | | |
|---|---|---|---|
| STF2 (100 percent) | B | States (including summaries such as urban and rural), counties, places of 1,000 or more inhabitants, county subdivisions, State parts of American Indian Areas, and Alaska Native areas | Over 2,100 cells/ items of 100-percent population and housing counts and characteris-tics for each geo-graphic area. Each of the STF2 files |
| | C | U.S., regions, divisions, States (including summaries such as urban and rural), counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or inhabitants in selected States, all county subdiv-isions in New England MA's, American Indian and Alaska Native areas, MA's, UA's | will include a set of tabulations for the total populat-ion and separate presentations of tabulations by race and Hispanic origin |
| | A /2 | States, counties, county subdivisions, places, census tracts/BNA's, BG's. Also Alaska Native areas and State parts of American Indian areas. | |
| | B /2 | Five-digit ZIP Codes within each State | |
| STF 3 (Sample) | C /2 | U.S., regions, divisions, States, counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, American Indian and areas, MA's, UA's | Over 3,300 cells/ items of sample population and housing character-istics for each geographic area |
| | D | CD's of the 103rd Congress by State: and within each CD: counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States | |

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

NOTE: STF 420 PLACE OF WORK 20 DESTINATIONS FILE. This is a new file for 1990. Comparable data were included as part of STF 4 in 1980, but for 1990 this is a separate file and must be ordered and purchased separately for STF 4. The file contains 20 place of work destinations for each county or county equivalent, minor civil division, place of 10,000 or more persons, and census tract or block numbering area. Data are also provided for each major race and for workers of Hispanic origin cross-classified by race. The geographic level of the destinations varies. A destination may be a place, county, balance of county, metropolitan area, or balnce of metropolitan area.

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

/2 Also available on laser disc (CD-ROM). STF 1B CD-ROM presents only part of the data for blocks and other areas in the tape file.

FIGURE 4. OTHER 1990 CENSUS DATA PRODUCTS

| TITLE | DESCRIPTION | GEOGRAPHIC AREAS |
|---|---|---|
| Subject Summary Tape Files | About 20 computer tape files used to produce the subject reports (1990 CP-3 and 1990 CH-3 series). On the average, a file is the source of two subject reports | U.S., regions, divisions, States, metropolitan areas (MA's), and large counties and places |
| Public Law 94-171 Da ta File (redis-tricting data) | Counts by total, race, and Hispanic origin for the total population and population 18 years old and over, and counts of housing units. Avail-able on tape, CD-ROM, and paper listings. | States, counties, county subdiv-isions, places, census tracts/ block numbering areas (BNA's), block groups (BG's), and blocks; voting districts where States have identified them for the Census Bureau; and American Indian and Alaska Native areas |
| Census/Equal Employ-ment Opportunity (EEO) Special File | Sample tabulations showing detailed occupations and educational attainment data by age; cross tabula-ted by sex, Hispanic origin, and race. | Counties, MA's, places of 50,000 or more inhabitants |
| County-to-County Migration File | Summary statistics for all interstate county-to-county migration streams and significant interstate county-to-county migration streams. Each record will include codes for the geographic area of destination, and selected characteristics of the persons who made up the migration stream | States, counties |

| | | |
|---|---|---|
| Public Use Microdata Sample (PUMS) Files | Machine-readable files containing a sample of individual long-form census records showing most population and housing characteristics but with identifying information removed | |
| 5 Percent-County Based | | County groups, counties, county subdivisions, and places with 100,000 or more inhabitants |
| 1 Percent-Metropolitan Areas (1990) | | MA's and other large areas with 100,000 or more inhabitants |
| 3 Percent-Elderly | As above, but includes only households with at least one person age 60 or more | Same as for 5-percent sample |
| User-Defined Areas Tabulations | A set of standard tabulations provided on printouts, tapes, or other products with maps and narrative (if requested) | User-defined areas created by aggregating census blocks |
| Special Tabulations | User-defined tabulations for specified geographic areas provided on printouts, tapes, or other products | User-defined areas or standard areas |