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ABSTRACT

The resource guide is designed to accompany a manual for students described in SO 009 851. The purpose of the manual is to provide the undergraduate with an overview of the data collected by the Bureau of the Census. To make the manual more effective, this resource guide supplements listings of Census Bureau materials, and indicates how census materials may be acquired. The resource guide also can stand on its own as a useful tool for the classroom teacher of political science. The first chapter presents information about the formats of Census Bureau statistics and how to obtain them. For example, census figures are available in microform, on computer tape, or in printed reports. The second chapter lists the various censuses, emphasizing the population, housing, and governmental censuses. Several appendices conclude the document, including the answers to the exercises of the student manual. Tables and charts are interspersed throughout the document. (JR)

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Instructional Resource Monograph / No. 5

U.S. Census Data for Political Social Research

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A Resource Guide

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Yllis G. Carter

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**U.S. CENSUS DATA FOR
POLITICAL AND SOCIAL RESEARCH:
A RESOURCE GUIDE**

by

Phyllis G. Carter

formerly of the U.S. Bureau of the Census

Division of Educational Affairs
The American Political Science Association
Washington, D.C.
1976

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Preface

The United States Bureau of the Census is often overlooked as a source of data by social scientists. Census statistics are ignored for several reasons. First, many researchers have a prejudice toward designing their own questionnaires and then collecting their own data. Second, many social scientists have serious reservations about the accuracy of census statistics. Third, census data are not used—in far too many cases—because academic researchers are unaware of what materials are available in the Census, either already tabulated or available for tabulation upon request.

All of these attitudes need to be examined. In an era when research money is becoming scarce and the cost of research is soaring, a massive body of statistics, collected in censuses and large sample surveys, should not be overlooked by the academic community. Instead, it should be viewed as a potential goldmine of useful information. Whether the statistics live up to their potential usefulness depends, of course, upon their accuracy. The Census Bureau itself recognizes that there are variations in the accuracy of the figures it prints, and its own estimates of error are on the public record. The academic researcher may also wish to assess the accuracy of census statistics. Nevertheless, overall, the data compare favorably with other sources of statistics utilized by academic researchers. Finally, the academic community should begin to inform itself of the range of material that is available in the Census Bureau; this pamphlet is designed to be a first step in that direction.

The Manual for Students, which accompanies the Resource Guide, is designed to give the undergraduate an overview of the data collected by the Bureau of the Census and to provide him or her with some practice in utilizing statistics of this type. To make the Manual for Students more effective, the Resource Guide supplements the listings of Census Bureau materials, and indicates how census materials may be acquired. Also, Appendix C, p. 97, contains the answers to the student exercises in Chapter IV of the Student Manual.

The Resource Guide, however, also stands on its own as a useful tool for the classroom teacher of political science. First, through the use of this Resource Guide, the teacher may indicate to students potential sources of information for undergraduate research projects. The census information is

plentiful, cheap, and most of the information of interest to undergraduates will already be in university libraries.

Second, social scientists teaching statistics or research methodology may be interested in assigning census materials as an exercise in critiquing canvassing, collating or testing procedures. Again, the logical starting point for this type of assignment would be the Census Bureau's own publications dealing with errors. (See p. 49.) Third, the political scientist may want to employ this Resource Guide to locate statistics that are of use in his or her own research or in that of his or her graduate students. In this connection, it should be noted again that the Census Bureau will provide, at cost, information which it has collected even if this information has never been published; it will also cross-tabulate statistics for a private user in different combinations than those already printed. Thus, any statistics which the Bureau has can be obtained, subject to considerations of confidentiality. As the Guide indicates, all these data may be obtained in several formats, including computer tapes.

As in the case of the Manual for Students, the emphasis in this Resource Guide is on statistics of population, housing, and governments; very little information is given on the Census Bureau's economic statistics.

The American Political Science Association hopes that this Guide, and the accompanying Student Manual, will prove useful to all the members of the profession, and that it will contribute to a greater awareness of the research resources available in the United States.

Chapter 1.

The Formats of the Census Bureau Statistics and How to Obtain Them

Census data are available to the public in many forms: printed reports, microfilm, microfiche, computer tapes, and others (e.g., computer printouts). Each format is useful for some purposes. In general, printed reports are better than computer tapes in undergraduate courses for the following reasons:

Lower Cost. The printed reports do not cost as much as the computer tapes; it costs about \$80 for a tape and less than \$5 for most printed reports. Furthermore, there are no programming or computer costs associated with the printed reports.

Ease of Use. Another advantage of the printed reports is that they are easier to use than computer tapes. The tapes require computers and several explanatory documents in addition to the tapes themselves. The printed reports, on the other hand, contain in a single document all that is needed to understand the data: labeled tables, easily read data, an introductory text and appendices that explain relevant concepts, information about statistical reliability, and, in some cases, maps.

Availability. A third advantage of the printed reports is that they are more readily available than are computer tapes. Printed reports can be examined in most libraries or in each of the 42 Department of Commerce Field Offices located throughout the country.

There are some disadvantages associated with printed reports:

Less Information. In the case of 1970 census data products, most printed reports do not provide as much information as the summary tapes. In fact, they usually are a byproduct of the tapes and an abbreviated version of them.

Less Geographical Detail. The printed reports do not provide as much geographical detail as the summary tapes. They do not, for example, contain data by ZIP code areas, census enumeration districts, or block groups.

Harder to Manipulate. The data in the printed reports are harder to work with than computerized data, especially for the intensive user, because machines can more quickly and accurately perform many calculations and statistical tests. Most tables in the printed reports do not even show ratios and percentages.

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The quarterly *Bureau of the Census Catalog* lists and describes each printed report and computer tape that becomes available to the public during the period covered by the particular issue. Other materials such as maps, computer programs, and selected special tabulations are also listed. The quarterly issues are cumulative; the final annual issue covers Census Bureau output of the entire calendar year. There are also monthly supplements that list non-periodic (i.e., one-time) publications issued in the specified month.

The Catalog is for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The current subscription price is \$14.40 for four consecutive issues, and includes 12 month supplements. Single issues vary in price.

All of the publications—but not the unpublished materials such as computer tapes—issued by the Census Bureau and its predecessor agencies through 1972 are listed and described in a single volume with the title *Bureau of the Census Catalog of Publications, 1790-1972* (911 p., U.S. Government Printing Office, \$7.10).

A. Printed Reports

The quickest way to obtain a number of copies of a Government publication for classroom or other use is usually to borrow the publication from a library and to reproduce it on a copying machine. Government publications are not copyrighted.

The Bureau of the Census publications may also be purchased, singly or in multiple copies, at a relatively low cost since the prices charged for them by the U.S. Government Printing Office represent only the cost of printing, binding, and handling additional copies beyond those obtained by the Census Bureau for its own use.

Most Census Bureau publications are available from the U.S. Government Printing Office (GPO). However, because of the large volume of requests for publications received by GPO, there is a backlog of unfilled orders and delays should be expected. If you are ordering several publications, but wish one more rapidly, put it on a separate order form and enclose separate payment for it. Also, GPO Bookstores sometimes have Census Bureau reports on hand for purchase. (See bookstore list, below.)

Remittances must accompany all orders. Checks or money orders for Census Bureau publications should be made payable to the Superintendent of Documents. Coupons issued by the Superintendent of Documents or authorizations to charge to an established Superintendent of Documents deposit account will be accepted as payment.

Government Printing Office Bookstores

Alabama

Birmingham Bookstore
Room 102A
2121 Building
2121 Eighth Avenue North
Birmingham, Ala. 35203

California

Los Angeles Bookstore
Room 1015
Federal Office Building
300 North Los Angeles Street
Los Angeles, Calif. 90012

San Francisco Bookstore
Room 1023
Federal Office Building
450 Golden Gate Avenue
San Francisco, Calif. 94102

Colorado

Denver Bookstore
Room 1421
Federal Building
U.S. Courthouse
1961 Stout Street
Denver, Colo. 80202

Pueblo Bookstore
PDDC
P.O. Box 713
Pueblo, Colo. 81001

Georgia

Atlanta Bookstore
Room 100
Federal Building
275 Peachtree Street NE
Atlanta, Georgia 30303

Illinois

Chicago Bookstore
Room 1463, 14th Floor
Everett McKinley Dirksen Bldg.
219 South Dearborn Street
Chicago, Illinois 60604

Massachusetts

Boston Bookstore
Room G25
John F. Kennedy Federal Bldg.
Sundbury Street
Boston, Mass. 02203

Michigan

Detroit Bookstore
Room 229
Federal Building
231 W. Lafayette Blvd.
Detroit, Mich. 48226

Missouri

Kansas City Bookstore
Room 135
Federal Office Building
601 East 12th Street
Kansas City, Mo. 64106

New York

New York Bookstore
Room 110
26 Federal Plaza
New York, N.Y. 10007

Ohio

Canton Bookstore
Federal Office Building
201 Cleveland Avenue SW
Canton, Ohio 44702

Cleveland Bookstore
New Federal Building
1240 East 9th Street
Cleveland, Ohio 44199

Pennsylvania

Philadelphia Bookstore
Main Lobby
U.S. Post Office
9th and Chestnut Streets
Philadelphia, Pa. 19107

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Texas

Dallas Bookstore
Room 1C46
Federal Building
U.S. Courthouse
1100 Commerce Street
Dallas, Texas 75202

Washington

Seattle Bookstore
1056 Federal Office Building
909 First Avenue
Seattle, Wash. 98104

Washington, D.C.

Government Printing Office
710 North Capitol Street
Washington, D.C. 20402
Department of Commerce Lobby
14th & Constitution Ave., N.W.
Washington, D.C. 20230
Department of State Building
1st Floor
21st and C Streets, N.W.
Washington, D.C. 20520

James H. Forrestal Bldg.
1000 Independence Ave.
West Bldg., Room 1-J-001
Washington, D.C. 20024

USIA Building
1st Floor
1776 Pennsylvania Ave., N.W.
Washington, D.C. 20547

Pentagon Building
Main Concourse
South End
Washington, D.C. 20310

Wisconsin

Milwaukee Bookstore
190 Federal Bldg.
U.S. Courthouse
517 East Wisconsin Ave.
Milwaukee, Wis. 53202

Publications of the Bureau of the Census may be reviewed at the U.S. Department of Commerce district offices and Census Bureau regional offices listed below. Also, staff members of these offices are prepared to assist you in locating the statistics you need or to put you in touch with someone who can be of assistance.

U.S. Department of Commerce District Offices.

Albuquerque, N. Mex. 87101, Room 316, U.S. Courthouse
Anchorage, Alaska 99501, 412 Hill Building
Atlanta, Ga. 30309, 1365 Peachtree St., N.E.
Baltimore, Md. 21202, Room 415, U.S. Customhouse
Birmingham, Ala. 35205, Suite 200, 908 South 20th St.
Boston, Mass. 02116, 441 Stuart St.
Buffalo, N.Y. 14202, 1312 Federal Bldg.
Charleston, W.Va. 25301, 500 Quarrier St.
Cheyenne, Wyo. 92001, 2120 Capitol Ave.
Chicago, Ill. 60603, 55 East Monroe St.
Cincinnati, Ohio 45202, 550 Main St.

Cleveland, Ohio 44114, 666 Euclid Ave.
 Columbia, S.C. 92204, 2611 Forest Dr.
 Dallas, Tex. 75202, 1100 Commerce St.
 Denver, Colo. 80202, Room 161, New Customhouse
 Des Moines, Iowa 50309, 210 Walnut St.
 Detroit, Mich. 48226, Room 445, Federal Bldg.
 Greensboro, N.C. 27402, Room 203, Federal Bldg.
 Hartford, Conn. 06103, 450 Main St.
 Honolulu, Hawaii 96813, 1015 Bishop St.
 Houston, Tex. 77002, 201 Fannin St.
 Indianapolis, Ind. 46204, 46 East Ohio St.
 Los Angeles, Calif. 90024, 11000 Wilshire Blvd.
 Memphis, Tenn. 38103, 147 Jefferson Ave.
 Miami, Fla. 33130, 25 West Flagler St.
 Milwaukee, Wis. 53203, 517 East Wisconsin Ave.
 Minneapolis, Minn. 55401, 110 South Fourth St.
 Newark, N.J. 07102, 4th Floor, Gateway Bldg.
 New Orleans, La. 70130, 432 International Trade Mart
 New York, N.Y. 10007, 26 Federal Plaza, Foley Sq.
 Omaha, Nebr. 68102, 1620 Dodge St.
 Philadelphia, Pa. 19106, 9448 Federal Bldg.
 Phoenix, Ariz. 85004, 112 North Central Ave.
 Pittsburgh, Pa. 15222, 1000 Liberty Ave.
 Portland, Oreg. 97205, 921 S.W. Washington St.
 Reno, Nev. 89502, 300 Booth St.
 Richmond, Va. 23240, 400 North 8th St.
 St. Louis, Mo. 63105, 120 South Central Ave.
 Salt Lake City, Utah 84111, 125 South State St.
 San Francisco, Calif. 94102, 450 Golden Gate Ave.
 San Juan, P.R. 00902, Room 100, Post Office Bldg.
 Savannah, Ga. 31402, 125-29 Bull St.
 Seattle, Wash. 98109, 1700 Westlake Ave. North

Bureau of the Census Regional Offices

Atlanta, Ga. 30309, 1365 Peachtree St., N.E.
 Boston, Mass. 02116, 441 Stuart St.
 Charlotte, N.C. 28202, Suite 800, 230 S. Tryon St.
 Chicago, Ill. 60605, 536 S. Clark St., Room 1085
 Dallas, Tex. 75202, 1100 Commerce St.
 Denver, Colo. 80225, 575 Union Bldg, Box 25207
 Detroit, Mich. 48226, 234 State St., Room 2100
 Kansas City, Kans. 66101, One Gateway Center, 4th and State Streets
 Los Angeles, Calif. 90024, 11000 Wilshire Blvd.

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Philadelphia, Pa. 19106, 600 Arch St., Room 9244.
New York, N.Y. 10007, 26 Federal Plaza, Room 4102
Seattle, Wash. 98109, 1700 Westlake Ave. North

B. Census Statistics in Microform

Most of the publications of the Census Bureau are available on microfilm, microfiche, or both. At present, Census volumes are usually placed on microfiche within 2 months after the printed publication appears. In addition, some 1970 census summary tape data are available on microfilm.

Microfiche is one of the newest and most inexpensive methods of filing and later retrieving data. It is quite similar to microfilm except that microfiche is reproduced on a 4" x 6" film sheet which is capable of containing 98 pages of printed data. Like microfilm, it requires a special piece of equipment, called a reader, to display the pages with the image enlarged enough to read. An increasing number of libraries are using microfiche. As in the case of microfilm, some installations have additional equipment which reproduces an enlarged image of a page on paper which can be taken to the reader's desk.

The Census publications and summary tape data available on microfilm or microfiche and the organizations from which they may be purchased are listed below:

Decennial Censuses

1790-1890 Censuses, available from:

Publications Sales Branch (NEPS)
National Archives (GSA)
Washington, D.C. 20408

Publications of the Bureau of the Census, 1793-1917. This set includes the publications from the first 11 censuses, 1790-1890, and a publications list issued in 1917.

The *Catalog of National Archives Microfilm Publications*, published in 1974, identifies the 42 rolls of this set as T825 of Record Group (RG) 29.

United States Decennial Census Publications, 1790 to 1970. Includes the reports of each of the decennial censuses to date.

1790-1970 Censuses, available from:

Research Publications, Inc.
12 Lunar Drive
New Haven, Conn. 06525

Format: Positive microfilm.

A Guide to the Microfilm Edition of the United States Census Publications serves as a bibliography and reel index.

Form: Positive microfilm.

1960 Census, available from:

Population Division
Bureau of the Census
Washington, D.C. 20233

1960 Censuses of Population and Housing. Includes PHC(1), Census Tracts; Population, volumes I through III; Housing, volumes I through VII.

A Microfilm Order Form lists prices for paper copy of the individual reports.

Format: Paper copy or positive microfilm. (See also Research Publications, Inc., above.)

1970 Census, available from:

Customer Services Branch
Data User Services Division
Bureau of the Census
Washington, D.C. 20233

1970 Census of Population and Housing final reports.

Format: Microfiche or paper copy. (See also Research Publications, Inc., above.)

1970 Census Summary Tape data: First Count and Fifth Count (part).

Format: Positive microfilm or paper copy.

Other Publications

Greenwood Press, Inc.
51 Riverside Avenue
Westport, Conn. 06880

United States Census Publications, 1820-1945 (exclusive of Decennial Census Publications). Based on entries in: U.S. Library of Congress. Census Library Project. *Catalog of United States Census Publications, 1790-1945, Part 2.*

A checklist with schedule of prices is available.

In process, *United States Census Publications, 1946-1967* (exclusive of Decennial Census Publications).

Format: Microfiche.

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Congressional Information Service (CIS)
4720 Montgomery Lane
Washington, D.C. 20014

Census publications listed in the *American Statistics Index 1974 Annual and Retrospective Edition* and its *Supplements*. Includes publications from the 1970 decennial census.

Format: Microfiche.

Readex Microprint Corp.
101 Fifth Avenue
New York, N.Y. 10003

Census publications listed in the *Monthly Catalog of United States Government Publications*, 1958 to date.

A catalog and price list is available.

Format: Microprint.

Customer Services Branch
Data User Services Division
Bureau of the Census
Washington, D.C. 20233

All Census publications containing final data issued January 1968 and subsequently. In addition, some series (e.g., Working Papers, Technical Papers, Current Population Reports) are available from their first issues forward, though they began prior to 1968.

Format: Microfiche or paper copy.

C. Computer Tapes and Special Tabulations

Computer Tapes. Summary Tapes. Most computer tapes available from the Census Bureau are "summary tapes," that is, tapes containing statistical totals for particular geographic areas. These statistical totals (such as counts of people by race, age, income, marital status and other characteristics or of housing units by number of persons per room, rent or value, presence of plumbing facilities, and other characteristics) are like those found in the printed reports; however, the summary tapes often have more tabulations and greater detail in the tabulations.

In addition, the summary tapes are generally useful for further machine processing in order to:

- Obtain totals for some types of areas for which data are not provided separately in the printed reports, namely, ZIP code areas, enumeration districts, and block groups.
- Combine small-area data to obtain data for special-purpose districts (school districts, or commuting areas, for example).

- **Compute derived measures.** (averages, ratios, etc.).

Some summary tapes contain exactly the same statistics that are found in published reports. These tapes are used to summarize further or to rearrange the published data. For example, there are computer tape "copies" of all editions of the *County and City Data Book*. (A listing of 1970 Census of Population and Housing summary tapes appears p. 13.)

Computer Tapes. Individual Records. Tapes containing basic individual records are in nearly all cases confidential, and, therefore, the Census Bureau cannot sell them although the Bureau can prepare special tabulations of statistics from them. However, certain sets of non-confidential individual records can be purchased from the Bureau:

Public-use Samples. Public-use samples of basic census records containing the responses to questionnaire items for statistically selected samples of households in the 1970 census are available on computer tape.

No names or addresses appear in the samples, and the geographic areas identified are sufficiently large (250,000 inhabitants or more) to avoid disclosure of information for specific persons or households.

In general, it is possible with these tapes to cross-tabulate any item on the questionnaire with any other item, for the geographic areas identified.

Six different public-use samples (with accompanying technical documentation) are available from the 1970 Census: three from the 5-percent census sample and three from the 15-percent census sample. There is a 5-percent and a 15-percent public-use sample in each of the following categories:

- **States.** State of residence of each household is provided and, for the larger states, whether the household was urban or rural, metropolitan or non-metropolitan, and whether or not it was within the central city of an SMSA.
- **County groups.** Every SMSA having a population of 250,000 or more persons is identified, as are subdivisions of SMSA's comprising one or more counties and having more than 250,000 inhabitants. Groups of functionally related counties are identified for the remainder of the country.
- **Neighborhood characteristics.** The location of the household's residence in one of the nine geographical divisions of the United States is identified. Two features distinguish the contents of these tapes: (1) Location of residence is also identified in terms of size of place or size of urbanized area, and (2) summary characteristics are provided for the neighborhood in which the household is located. Neighborhood characteristics are indicators presented as ratios, e.g., Negro population to the total population, families with low incomes

to total families, housing units lacking complete plumbing to total units, etc., for people and housing units. The "neighborhoods," defined by the Census Bureau, are approximately the same size as census tracts, but no information is given which would permit a user to determine the specific location of the neighborhoods.

Each of the six public-use samples is available in three sizes: one-in-100 primary sample, a one-in-1000 subsample, and a one-in-10,000 subsample. There is also a one-in-100 State public-use sample from the 1960 Census data files, which was created to make possible studies of changes from 1960 to 1970.

For further information, write to the Customer Services Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

Nonconfidential returns. Nonconfidential returns from some of the public agencies that report on their activities for the Census Bureau's surveys are also available on tape. For example, information is available from each jurisdiction that issues building permits.

Special Tabulations. Special tabulations are prepared, at cost, from the individual records on the computer tapes, to meet specifications of individual users. They can be furnished on tape or punchcards or as computer printout, typewritten copy, or hand-posted tables. Many of the tabulations are available on microfilm, and either reels of microfilm or enlarged prints can be supplied.

Copies of special tabulated information that was furnished to the original purchaser are generally available to subsequent purchasers at a nominal fee which covers the cost of copying and appropriate overhead charges. For example, a special tabulation of 1970 Census data prepared for the Department of Housing and Urban Development provides more detailed data than were published on tenure and race of heads of households (12 categories), for the United States, regions, divisions, States, SMSA's, counties, and places of 25,000 or more inhabitants; these data are available to the public on two reels of computer tape or on four rolls of microfilm.

Requests for estimates of the cost of preparing a special tabulation should specify the geographic areas required and precisely what subjects are desired. The request should include a brief description of the project for which the tabulation will be used. If a tabulation is to be furnished on tape, the request should specify the characteristics required of the tape, e.g. density, parity, language, etc.

General Information. All computer tape purchases are accompanied by descriptions of data, a layout of the record format, the code structure used, and other needed technical documentation.

A potential buyer of computer tapes, before making contact with the Census Bureau, should consult with technical personnel concerning the

characteristics of the computer he expects to use so that in his initial contact with the Bureau he can furnish information on the characteristics required of the type (density, parity, language, etc.) to be processed on his computer.

Requests for tapes or cost estimates for tapes or special tabulations should be sent to the Customer Services Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233. As of mid-1976, individual reels of summary tapes and public use sample tapes were priced at \$80.

Summary Tape Processing Centers. Many users of Census Bureau statistics have need for data available only on computer tape but do not have ready access to a computer or do not find it economically feasible to do their own processing. To facilitate access to the statistics they need, the Census Bureau has recognized many organizations—private, public, governmental, and academic—as Summary Tape Processing Centers. The Census Bureau recognizes those organizations and groups that file a statement with the Bureau indicating their intention to service the needs of census data users outside their organization and specifying their planned activities.

The Centers are not franchised, established, or supported by the Census Bureau. Data products of the Census Bureau are available to the Centers on the same basis as to all other data users. The forms which Centers assume, their purposes, and the services they provide are determined by the organizers. Centers establish their own cost structure for service and serve interested clients according to their own procedures.

Some Centers have used the summary tapes purchased from the Census Bureau to prepare other tapes which provide the same information in other formats or in other ways which they feel better serve their customers. In some cases a Center may provide a tape (or other form of data dissemination) containing, for example, selected extracts from 1970 summary tapes or rankings of areas according to selected characteristics, more quickly or at lower cost, or both, than the Census Bureau.

An address list of summary Tape Processing Centers may be obtained by writing to the Data Access and Use Staff, Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

D. Library of the Bureau of the Census

The Library of the Bureau of the Census makes publications available through interlibrary loan, and provides a copying service at cost. Requests from other libraries for publications on interlibrary loan should be directed to: Bureau of the Census, Library, Washington, D.C. 20233. The Library is also open for on-site use by researchers who are working in the

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subject areas in which it specializes; the physical location of the main library is: Bureau of the Census, FOB 3, Suitland, Maryland.

In addition to holdings of statistical, methodological, and other material in socio-economic fields, the Library has several special collections. Among them are three collections of publications which are of particular interest for political science:

1. *United States Census Collection*, consisting of the publications issued by the Census Bureau and its predecessor organizations, 1790 to date.

2. *Foreign and International Collection*, consisting of censuses, statistical yearbooks, and statistical bulletins from most countries of the world, and selected publications of the United Nations and its specialized agencies and other international organizations.

3. *State and Local Government Collection*, consisting of periodic reports for the five most recent years for all States, all counties, cities with populations of 10,000 and over, townships in New England and Middle Atlantic States, and selected special districts. State codes of law, directories, and research studies on governmental organizations, functions, and activities are acquired. (This collection is used extensively by Census Bureau staff for compilation and review of statistics on governments, so at any particular time there are large numbers of publications that are not available either for interlibrary loan or on-site use by other than Bureau staff. For on-site use, it is physically located in the Governments Division, Bureau of the Census, Scuder Building, Room 311, 4235 28th Avenue, Marlow Heights, Maryland.)

Chapter 2. Censuses and Surveys

A. List of Censuses

The table which follows presents the dates of the principal national censuses between 1790 and 1974:*

Population Censuses: Every 10 years, 1790-1970

Housing Censuses: Every 10 years, 1940-1970

Agriculture Censuses: Every 10 years, 1840-1920; every 5 years, 1925-1950 and 1954-1974.

Irrigation Censuses: Every 10 years, 1910-1950; 1959; 1969

Drainage Censuses: Every 10 years, 1920-1950; 1959, 1969

Governments Censuses: Every 10 years, 1850-1900; every 10 years, 1912-1942; every 5 years, 1957-1972

Commercial Fisheries: 1880, 1889, 1908, 1963, 1967

Religious Bodies: Every 10 years, 1906-1936

*The date used to designate each recent census is the date to which most of the data apply. In the case of many earlier censuses, especially Economic and Agriculture Censuses taken at the same time as the Population Census (i.e., in the years ending in 0), the data refer to the year preceding the date used to designate the census.

**Censuses of Manufacturing, Mining, Retail Trade, Wholesale Trade,
Service Industries, Construction, and Transportation**

Date	Type of Census						
	Manufac- turing	Mining	Retail Trade	Wholesale Trade	Service Industries	Construc- tion Industries	Transpor- tation
1810	X						
1820	X						
1840	X	X					
1850	X	X					
1860	X	X					
1870	X	X					
1880	X	X					
1890	X	X					
1900	X	X					
1905	X						
1910	X	X					
1915	X						
1920	X	X					
1921	X						
1923	X						
1925	X						
1927	X						
1929	X	X	X	X		X	
1931	X						
1933	X		X	X	X		
1935	X	X	X	X	X	X	
1937	X						
1939	X	X	X	X	X	X	
1947	X	X					
1948			X	X	X		
1954	X	X	X	X	X		
1958	X	X	X	X	X		
1963	X	X	X	X	X		X
1967	X	X	X	X	X	X	X
1972	X	X	X	X	X	X	X

B. The Census of Population and Housing

The Decennial Census of Population and Housing is the largest undertaking of the Bureau of the Census. Over 193,000 temporary employees were hired for the 1970 census, and 70 million questionnaires were collected and processed. The statistics prepared from the 1970 census have been released in over 1,500 final reports and on more than 2,000 reels of computer tape.

This section presents an overview of the subjects covered in the 1970 census, the geographic areas for which statistics are reported, and the data products.

1. Items of Data Collected*

The following items were collected in the 1970 Decennial Census either on a 100% basis (from all individuals and housing units), or on a sample basis (from 20, 15, or 5 percent of all individuals and housing units).

*The Informational Questionnaire of the 1970 Census of Population and Housing, a composite of the three types of questionnaires used, is reproduced in Appendix A, p. 73.

Population Data Items Collected

Item	Sample Size			
	100%	20%	15%	5%
Relationship to head of household	X			
Sex	X			
Color or race	X			
Age (month and year of birth)	X			
Marital status	X			
State or county of birth		X		
Spanish origin or descent				-X
Country of birth of parents			X	
Citizenship				X
Year of immigration				X
Mother tongue			X	
Year moved into present house			X	
Place of residence in 1965 ¹			X	
School or college enrollment			X	
Years of school completed		X		
Date of first marriage				X
If married more than once, whether first marriage ended by death of spouse				X
Number of children ever born		X		
Veteran status			X	
Vocational training				X
Presence and duration of disability				X
Employment status		X		
Hours worked last week		X		
Place of work			X	
Means and transportation to work			X	
Last year in which worked		X		
Industry		X		
Occupation		X		
Class of worker		X		
State of residence in 1965 ¹				X
Working, in Armed Forces, or in college 5 years ago		X		
Industry 5 years ago				X
Occupation 5 years ago				X
Class of worker 5 years ago				X
Weeks worked last year		X		
Wage and salary income		X		
Self-employment income		X		
Other income		X		

¹Statistics on State of residence in 1965 were collected on a 20-percent basis by means of the 15-percent item on place of residence in 1965 and the 5-percent item on State of residence in 1965.

Housing Data Items Collected²

Item	Sample Size			
	100%	20%	15%	5%
Number of living quarters at address	X			
Type of unit or quarters	X			
Vacancy status	X			
Months vacant	X			
Telephone	X			
Access to unit	X			
Complete kitchen facilities	X			
Number of rooms	X			
Water supply	X			
Flush toilet	X			
Bathtub or shower	X			
Basement	X			
Tenure	X			
One-family house	X			
Commercial establishment on property	X			
Value of property	X			
Contract rent	X			
Components of gross rent		X		
Heating equipment		X		
Year structure built		X		
Number of units in structure and whether a trailer		X		
Farm residence (acreage and sales of farm products)		X		
Source of water			X	
Sewage disposal			X	
Bathrooms			X	
Air conditioning			X	
Automobiles			X	
Stories, elevator in structure				X
Fuel—heating, cooking, water heating				X
Number of bedrooms				X
Clothes washing machine				X
Clothes dryer				X
Dishwasher				X
Food freezer				X
Television				X
Battery-operated radio				X
Second home				X

²A number of additional items were collected in two independent sample surveys taken in connection with the Housing Census: The Survey of Components of Change (which measured changes in the Nation's housing stock—new construction, mergers, demolitions, etc.—between 1960 and 1970) and the Survey of Residential Finance.

2. Geographic Areas for Which Data are Presented

United States. This designation includes the 50 states and the District of Columbia.

Conterminous United States. The 48 conterminous States and the District of Columbia. Alaska, Hawaii and outlying areas are excluded.

Puerto Rico and Other Outlying Areas. The Commonwealth of Puerto Rico, the Virgin Islands of the United States, Guam, the Canal Zone, and American Samoa. In addition, population and housing totals are available

for the small outlying areas of Midway, Wake, Canton, and Enderbury Islands, Johnson Island and San Island, the Swan Islands, the Corn Islands, and the Trust Territory of the Pacific Islands.

Regions. The largest geographic areas within the United States for which census data are published. There are four regions—Northeast, North Central, South, and West—although for some purposes the Northeast and North Central regions have been combined. See map on page 19.

Geographic Divisions. There are nine geographic divisions in the United States, and these have been used largely unchanged for presentation of summary statistics since the 1910 Census. Each geographic division is composed of contiguous States, with Alaska and Hawaii also included in one of the divisions. Each is also completely contained within a region. See map on p. 20.

States. The major political units of the United States.

Congressional Districts. Political areas defined by State legislatures or the courts for purposes of electing Congressmen to the U.S. House of Representatives; subject to change based on Population Census counts.

Standard Metropolitan Statistical Areas (SMSA's). Counties (except in New England, where towns are used) containing at least one city having 50,000 or more inhabitants (or a city with at least 25,000 inhabitants, which, together with contiguous places, has a combined population of 50,000 and meets certain other criteria), plus adjacent counties which are metropolitan in character and economically and socially integrated with the central city (or counties).* An SMSA may contain counties in more than one State. (The example in the illustration on page 21 consists of only one county.)

Urbanized Areas. Densely settled areas in and surrounding large cities. Urbanized areas differ from SMSA's, which are composed of complete counties, in that they exclude rural portions of those SMSA counties that are largely metropolitan and may include urban portions of counties that are largely rural. Boundaries of urbanized areas tend to change in each census because they are defined on the basis of population distribution at the time of the census.

Counties. The primary political and administrative divisions of the States. The only major exceptions are Louisiana, where the divisions are called parishes, and Alaska, where 29 census divisions have been created as county equivalents for statistical purposes. There are a number of cities that are independent of any county organization; because they constitute primary divisions within their States, they are accorded the same treatment as counties in the preparation of census tabulations.

*The Office of Management and Budget, Executive Office of the President, determines the SMSA definition. For the complete definition, see that office's publication, *Standard Metropolitan Statistical Areas* (Revised Edition, 1975).

Minor Civil Divisions (MCD's). The primary political and administrative subdivisions of counties, such as townships, towns, magisterial districts, precincts, etc. Population size varies greatly.

Census County Divisions (CCD's). Relatively permanent county subdivisions used in place of MCD's in 21 States that do not have MCD's suitable for statistical reporting. Population size varies greatly.

Places. In Decennial Censuses, any delimited concentrations of population (such as cities, towns, and villages), regardless of the existence of legally prescribed boundaries, powers, or functions.

Incorporated Places. Cities, towns, etc., that are incorporated in accordance with the laws of their respective States, regardless of size, with the following exceptions: Towns in New England, New York, and Wisconsin and the boroughs of Alaska are considered to be MCD's and are not recognized as places.

Unincorporated Places. Concentrations of population, such as towns and villages, that are not incorporated. In the 1970 Census, data were published for each place with 1,000 or more inhabitants unless it was included in an urbanized area. If it was, data were not published separately for it unless the place had 5,000 or more inhabitants.

Census Tracts. Subdivisions of SMSA's (and of some cities and counties outside SMSA's), averaging 4,000 population each. Tract boundaries do not cross county lines. Tract boundaries are determined by a local committee, subject to Census Bureau approval. Tracts were designed initially to be relatively homogeneous with respect to population characteristics, economic status, and living conditions.

Wards. Political subdivisions of many incorporated places, used for purposes of voting and representation. Population totals have been published for nearly 4,500 wards in cities with 10,000 or more persons.

ZIP Code Areas. Established by the U.S. Postal Service to facilitate the delivery of mail. ZIP code areas do not coincide with census areas, and change according to postal requirements. (Data for ZIP code areas are given the Fifth County summary tape but not in the printed reports.)

Enumeration Districts. Administrative divisions set up by the Census Bureau for control of the enumeration in areas where a door-to-door canvass was made by enumerators. The average population was 800. (Data for enumeration districts are given in computer tapes but not in the printed reports.)

Block Groups. Groups of city blocks in the areas where the census was taken by mail, averaging 1,000 population, which are the equivalent of enumeration districts. (Data for block groups are given in computer tapes but not in the printed reports.)

Blocks. Usually well defined pieces of land bounded by streets or roads. However, blocks may be irregular in shape and may be partially bounded by railroad tracks, streams, or similar identifiable features. Blocks do not cross census tract boundaries but may cross other boundaries such as city limits. Statistics for blocks are tabulated for all cities of 50,000 or more.

(at the time of the Census) and the urbanized areas of these cities. The Census Bureau also collected and tabulated data for blocks on a contract basis for more than 900 other areas.

Regions and Geographic Divisions of the United States

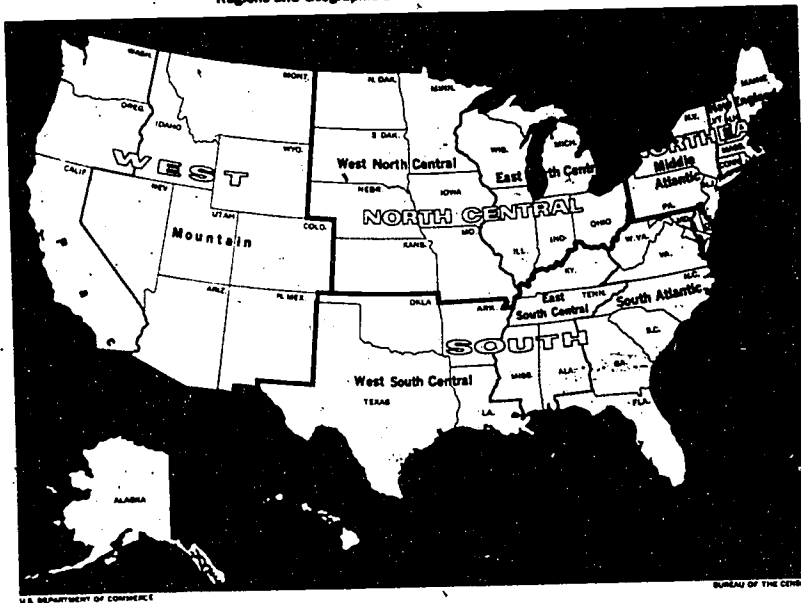
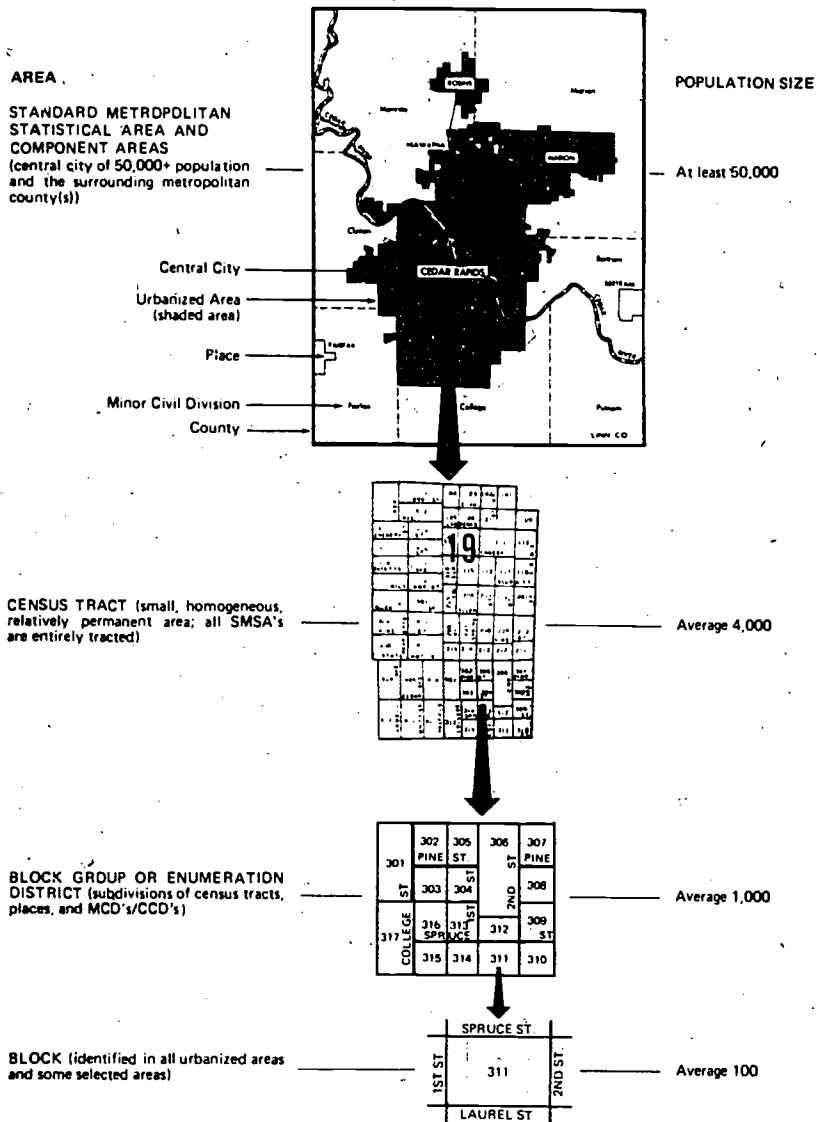
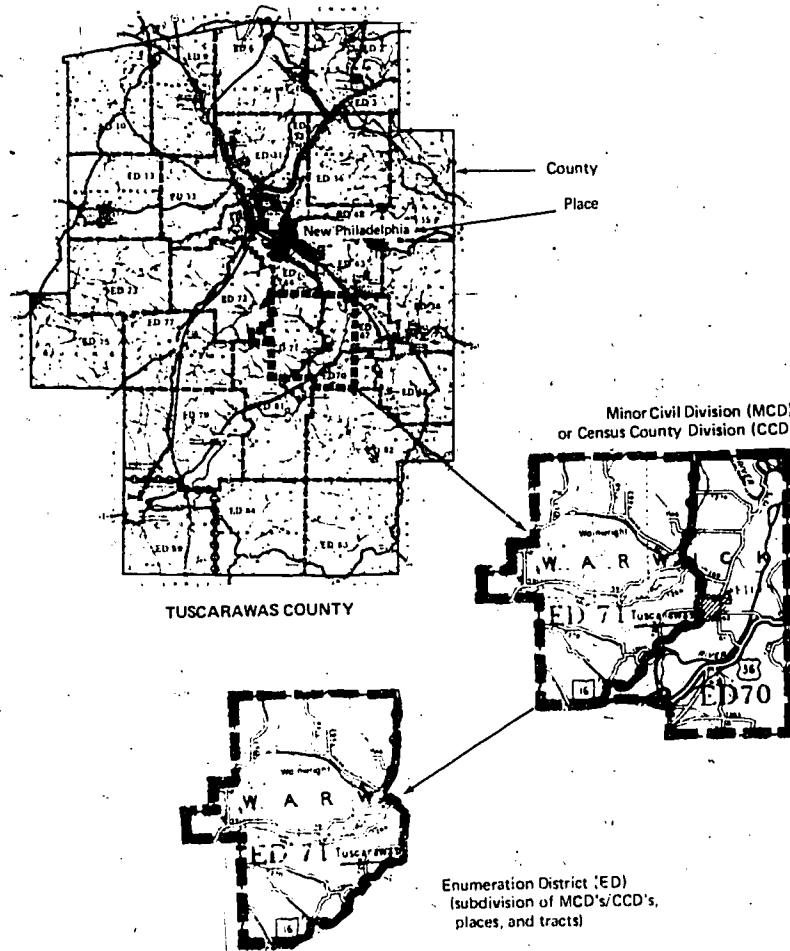


FIGURE 1a. Census Geographic Areas—Metropolitan

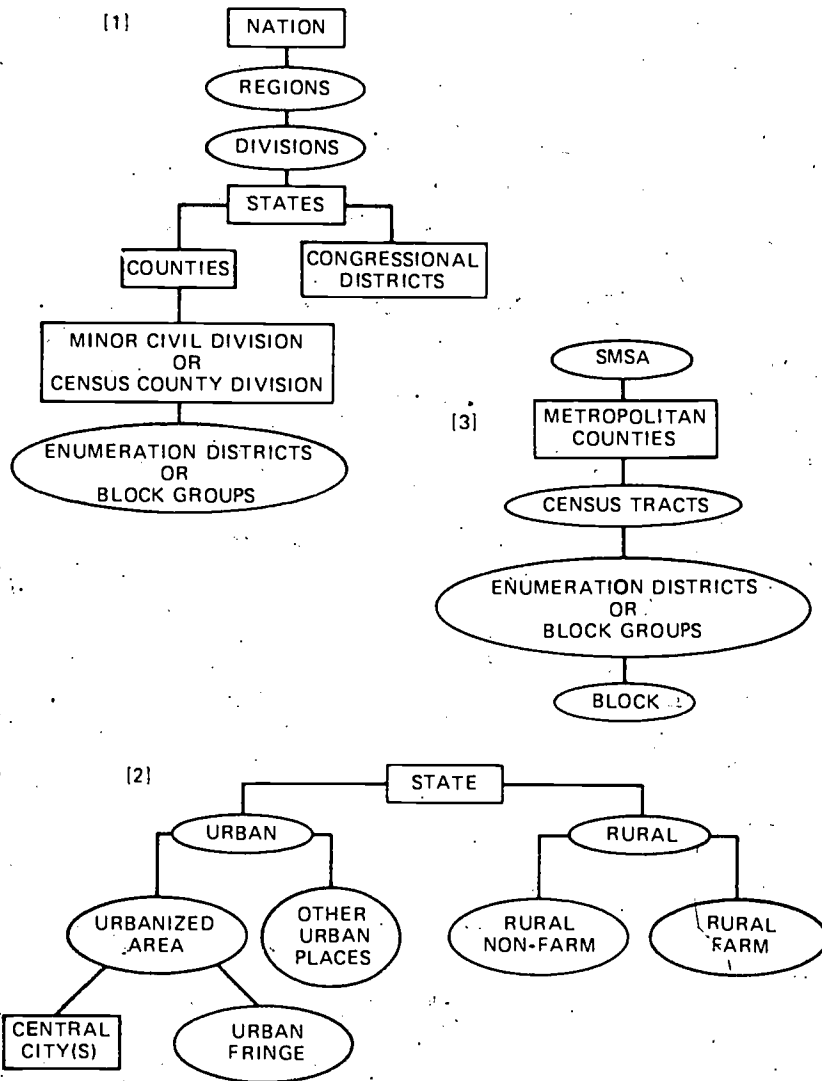


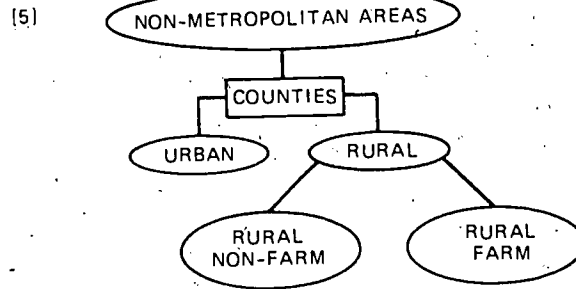
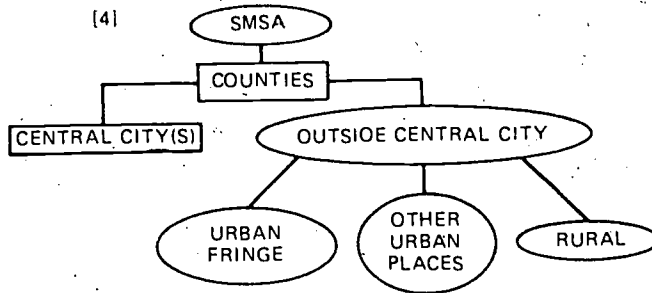
Census Geographic Areas—Nonmetropolitan



Census Bureau Geographic Units— Their Hierarchical Relationships

As shown below, governmental and statistical definitions of geographic areas intermingle; e.g., SMSA's are defined according to county boundaries. The chart also demonstrates that urban and rural areas are components of both metropolitan and nonmetropolitan areas. Most non-metropolitan counties have urban areas and most SMSA's have some rural areas.







ABBREVIATIONS:

SMSA STANDARD METROPOLITAN
STATISTICAL AREA
MCD MINOR CIVIL DIVISION
CCD CENSUS COUNTY DIVISION
ED ENUMERATION DISTRICT
BG BLOCK GROUP

KEY:

 GOVERNMENTAL UNITS
 STATISTICAL UNITS

3. Publications from the 1970 Census

Publications from the 1970 Census that contain only population statistics are entitled 1970 Census of Population reports. Publications that contain only housing statistics, or that contain primarily housing statistics with just a few population statistics, are entitled 1970 Census of Housing reports. Those in which population and housing statistics are of equal importance are entitled 1970 Census of Population and Housing reports. All these reports appeared in three phases: preliminary, advance, and final (which supercedes the other two).

There are more than 1500 final 1970 census reports. They generally may be purchased from the Government Printing Office (GPO), though some are no longer in stock. The reports are listed in the following sections. Reports which are out of stock at GPO may be purchased from the Census Bureau. However, they are generally only available on microfiche or paper copy prepared from the microfiche, as described in the earlier section, "Census Statistics in Microform." Information on price and availability of reports may be obtained from the Subscribers Services Section, Bureau of the Census, Washington, D.C. 20233.

The descriptions of 1970 census reports in the following sections cover the basic characteristics of the reports, such as types of statistics presented and geographic areas reported. More detailed guidance, permitting location of specific tables in numerous 1970 reports, is available through the *Index to Selected 1970 Census Reports* by Paul T. Zeisset (U.S. Government Printing Office, 380 p., \$3.70).* The Index primarily consists of an alphabetized listing of tables according to their variables, such as age, race, or income and is exhaustively cross-referenced. An abbreviated report title and table number are given for each entry, so that tables of interest can be looked up easily.

*The following series of publications are included in the Index:

Population Census, Vol. I

- Series PC(1)-A Number of Inhabitants
- Series PC(1)-B General Population Characteristics
- Series PC(1)-C General Social and Economic Characteristics
- Series PC(1)-D Detailed Characteristics

Housing Census

Vol. I

- Series HC(1)-A General Housing Characteristics
- Series HC(1)-B Detailed Housing Characteristics
- Vol. II Series HC(2) Metropolitan Housing Characteristics
- Vol. III Series HC(3) Block Statistics

Population and Housing Census

- Series PHC(1) Census Tract Reports
- Series PHC(2) General Demographic Trends for Metropolitan Areas

a. Final Reports, 1970 Census of Population

Volume I. Characteristics of Population. This volume consists of 58 numbered parts, some published in two separate volumes and some bound together into one volume, as shown on the chart below. Each volume has a hard cover.

Each of these 58 parts consists of four chapters, A, B, C, and D. Each chapter was first issued as a separate paperbound publication in one of four series—each Chapter A in series PC(1)-A, each chapter B in series PC(1)-B, each chapter C in series PC(1)-C, and each chapter D in series PC(1)-D.

Each Chapter A, *Number of Inhabitants*, which also is a report in series PC(1)-A1 through PC(1)-A58, presents final population counts for the following areas:

- State
- Standard metropolitan statistical areas
- Counties (by urban and rural residence)
- County subdivisions
- Incorporated places
- Unincorporated places of 1,000 or more

For Puerto Rico the population counts are presented for the island, standard metropolitan statistical areas, municipios, barrios, and places of 1,000 inhabitants or more.

For each of the other outlying areas, the counts are presented for the area, its principal districts or islands (by urban and rural residence, where appropriate), district or island subdivisions, and places.

Each Chapter B, *General Population Characteristics*, whether issued alone or as a report in series PC(1)-B1 through PC(1)-B58, presents statistics for items collected on a 100-percent basis, i.e., age, sex, race (except in the reports for Puerto Rico and the other outlying areas), marital status, and relationship to head of household, for the following areas:

- State (or Puerto Rico or other outlying area)
- Standard metropolitan statistical areas
- Urbanized areas
- Counties

The Index does *not* include the "subject reports" in the PC(2) and HC(7) series, or other reports that provide national data but do not generally include data for States, cities, or smaller areas.

The best available summary of those reports not covered in the Index, including many not in any specific 1970 Census series but related to its use, is *Data Access Description* No. 39. Reports Related to the 1970 Census of Population and Housing.

26. Chapter 2

County subdivisions
Places of 1,000 or more

Each Chapter C, *General Social and Economic Characteristics*, which is also a report in series PC(1)-C1 through PC(1)-C53, presents statistics on:

Age	Fertility
Nativity	Work disability
Place of birth	Employment status
Parentage	Weeks worked in 1969
Mother tongue	Activity 5 years ago
Spanish heritage	Place of work
Years moved into present residence	Means of transportation to work
Residence in 1965	Income
School enrollment	Poverty status
Years of school completed	Occupation
Vocational training	Industry
Veteran status	Class of worker
Marital history	
Families and their composition	

Items such as sex and race are also presented in cross-classifications. For States with large Negro and/or Spanish-heritage populations, the reports present selected data for these groups.

Statistics are presented for some or all of the following areas:

- State (by urban, rural nonfarm, and rural farm residence)
- Standard metropolitan statistical areas
- Urbanized areas
- Counties
- Places of 2,500 or more

For Puerto Rico, similar data for some but not for all of the above categories are presented. For Puerto Rico the statistics are given for municipios (by urban, rural nonfarm, and rural farm residence), in addition to the areas listed above.

Each Chapter D, *Detailed Characteristics*, which is also a report in series PC(1)-D1 through PC(1)-D53, presents detailed statistics for most of the population items collected on a sample basis, cross-classified by age, sex, race, and other characteristics, for the following areas:

- State (by urban, rural nonfarm, and rural farm residence)
- Standard metropolitan statistical areas of 100,000 inhabitants or more
- Central cities of standard metropolitan statistical areas of 250,000 inhabitants or more
- Cities of 100,000 inhabitants or more

For Puerto Rico, the areas are the island (by urban, rural nonfarm, and rural farm residence), standard metropolitan statistical areas, and cities of 50,000 inhabitants or more.

For areas with large Negro and/or Spanish-heritage populations, the reports present selected characteristics for these groups.

There are no series PC(1)-C or PC(1)-D reports for the outlying areas. Chapter A for each outlying area presents statistics on the number of inhabitants, and Chapter B presents statistics equivalent to those in Chapters B, D, and D for the States.

* * * * *

The following charts list all the volumes and series of reports described above.

1970 Census of Population, Volume I, Parts 1-58

Areas	Part No.	No. of Pages	Areas	Part No.	No. of Pages
U.S. Summary			New Jersey		
Section 1	1	584	Section 1	32	600
Section 2		1,115	Section 2		1,128
Alabama	2	1,064	New Mexico	33	752
Alaska	3	544	New York		
Arizona	4	880	Section 1	34	704
Arkansas	5	1,020	Section 2		1,976
California			North Carolina	35	1,160
Section 1	6	1,136	North Dakota	36	612
Section 2		2,008	Ohio		
Colorado	7	880	Section 1	37	876
Connecticut	8	1,156	Section 2		1,284
Delaware	9	628	Oklahoma	38	1,012
District of Columbia	10	588	Oregon	39	716
Florida			Pennsylvania		
Section 1	11	588	Section 1	40	736
Section 2		1,108	Section 2		1,204
Georgia	12	1,360	Rhode Island	41	688
Hawaii	13	604	South Carolina	42	1,116
Idaho	14	604	South Dakota	43	652
Illinois			Tennessee	44	1,236
Section 1	15	836	Texas		
Section 2		780	Section 1	45	1,260
Indiana	16	1,500	Section 2		1,512
Iowa	17	1,076	Utah	46	712
Kansas	18	1,048	Vermont	47	528
Kentucky	19	1,168	Virginia	48	1,440
Louisiana	20	1,172	Washington	49	980
Maine	21	596	West Virginia	50	808
Maryland	22	1,072	Wisconsin	51	1,144
Massachusetts	23	1,316	Wyoming	52	524
Michigan	24	1,472	Puerto Rico	53	1,460
Minnesota	25	1,020	Guam	54	
Mississippi	26	884	Virgin Islands	55	
Missouri	27	1,144	American Samoa	56	264
Montana	28	604	Canal Zone	57	
Nebraska	29	845	Trust Territory of		
Nevada	30	616	Pacific Islands	58	
New Hampshire	31	580			

1970 Census of Population, Series PC(1)-A, -B, -C, -D Reports
(Final Report, Volume I, Characteristics of the Population)

Areas	Report No.	PC(1)-A, Number of Inhabitants	PC(1)-B, General Population Charac- teristics	PC(1)-C, General Social and Economic Charac- teristics	PC(1)-D, Detailed Charac- teristics
		No. of Pages	No. of Pages	No. of Pages	No. of Pages
U.S. Summary	1	262	102	295	1,174
Alabama	2	44	119	344	613
Alaska	3	31	68	171	336
Arizona	4	21	71	207	632
Arkansas	5	48	135	325	576
California	6	79	304	821	1,037
Colorado	7	38	108	268	528
Connecticut	8	33	127	346	707
Delaware	9	24	59	169	456
District of Columbia	10	17	55	158	420
Florida	11	53	166	437	1,037
Georgia	12	51	192	476	700
Hawaii	13	26	60	175	406
Idaho	14	37	84	208	208
Illinois	15	85	256	565	767
Indiana	16	56	183	420	902
Iowa	17	59	166	355	559
Kansas	18	53	157	336	566
Kentucky	19	43	163	398	627
Louisiana	20	40	126	320	757
Maine	21	31	87	198	337
Maryland	22	36	152	303	687
Massachusetts	23	43	191	460	683
Michigan	24	57	194	465	818
Minnesota	25	65	174	337	503
Mississippi	26	38	116	229	494
Missouri	27	62	183	379	583
Montana	28	31	91	213	334
Nebraska	29	48	136	292	452
Nevada	30	23	88	83	407
New Hampshire	31	27	76	281	338
New Jersey	32	51	177	442	1,116
New Mexico	33	30	79	295	484
New York	34	68	227	476	966
North Carolina	35	51	157	379	638
North Dakota	36	34	93	214	337
Dhio	37	76	256	614	1,271
Dklahoma	38	43	126	318	590
Oregon	39	41	98	231	410
Pennsylvania	40	77	233	496	1,194
Rhode Island	41	25	81	223	421
South Carolina	42	37	104	256	780
South Dakota	43	44	113	223	336
Tennessee	44	42	136	337	782
Texas	45	96	337	899	2,271
Utah	46	35	83	221	440
Vermont	47	24	73	155	335
Virginia	48	46	172	421	867
Washington	49	39	104	270	628
West Virginia	50	36	105	289	443

1970 Census of Population, Series PC(1)-A, -B, -C, -D Reports (continued)

Areas	Report No.	PC(1)-A No. of Pages	PC(1)-B No. of Pages	PC(1)-C No. of Pages	PC(1)-D No. of Pages
Wisconsin	51	54	165	349	640
Wyoming	52	26	65	165	335
Puerto Rico	53	49	154	516	844
Guam	54	11	86		
Virgin Islands	55	10	61		
American Samoa	56	10	48	3	3
Canal Zone	57	10	61		
Trust Territory of the Pacific Islands	58	16	75		

¹Section 1 (1,084 pages) and Section 2 (924 pages).

²Section 1 (788 pages) and Section 2 (720 pages).

³No series PC(1)-C or -D reports for Guam, Virgin Islands, American Samoa, and Canal Zone, and Trust Territory of the Pacific Islands.

Volume II. Subject Reports. All the subject reports, each of which is also a report in series PC(2)-1A through PC(2)-10B, are listed below. Detailed information and cross-classifications generally are provided on a national and regional level. In a few reports, data for States or standard metropolitan statistical areas are shown.

Title	Report No.	No. of Pages
National Origin and Language	1A	540
Negro Population	1B	244
Persons of Spanish Origin	1C	236
Persons of Spanish Surname	1D	156
Puerto Ricans in the United States	1E	160
American Indians	1F	232
Japanese, Chinese, and Filipinos in the United States	1G	220
State of Birth	2A	300
Mobility for States and the Nation	2B	460
Mobility for Metropolitan Areas	2C	460
Lifetime and Recent Migration	2D	552
Migration Between State Economic Areas	2E	396
Women by Number of Children Ever Born	3A	424
Family Composition	4A	332
Persons by Family Characteristics	4B	204
Marital Status	4C	332
Age at First Marriage	4D	856
Persons in Institutions and Other Group Quarters	4E	556
School Enrollment	5A	380
Educational Attainment	5B	284
Vocational Training	5C	366
Employment Status and Work Experience	6A	456
Persons Not Employed	6B	284
Persons With Work Disability	6C	204
Journey to Work	6D	1,270
Veterans	6E	236
Occupational Characteristics	7A	848

(continued)

Title	Report No.	No. of Pages
Industrial Characteristics	7B	412
Occupation by Industry	7C	531
Government Workers	7D	308
Occupation and Residence in 1965	7E	152
Occupations of Persons with High Earnings	7F	156
Sources and Structure of Family Income	8A	512
Earnings by Occupation and Education	8B	437
Income of the Farm-Related Population	8C	856
Low-Income Population	9A	500
Low-Income Areas in Large Cities	9B	912
Americans Living Abroad	10A	184
State Economic Areas	10B	480

Series PC(S1), Supplementary Reports. These reports present miscellaneous population data, such as special compilations that could not be accommodated in Volumes I and II reports, and also selected tables from those reports, to permit distribution of the particular figures in an inexpensive format. Examples are shown below.

Title	Report No.	No. of Pages
Distribution of the Negro Population, by County	1	8
Negro Population in Selected Places and Selected Counties	2	17
1970 Population of Voting Age for States	3	11
Age at First Marriage and Children Ever Born for the United States: 1970	34	10
Country of Origin, Mother Tongue and Citizenship for the United States: 1970	35	6
Educational Attainment by Age, Sex and Race for the United States: 1970	36	11
Characteristics of Negro Immigrants to Selected Metropolitan Areas: 1970	47	34
Interstate Migration by State: 1970	48	20
Social and Economic Characteristics by Detailed Industry for the United States: 1970	49	12

b. Final Reports, 1970 Census of Housing

The following tables list the final reports of the 1970 decennial Census for Housing:

Volume I, Housing Characteristics for States, Cities, and Counties. Consists of 58 numbered parts, some bound together into one volume, as shown below. Each volume is hardbound.

State	Report No.	No. of Pages	State	Report No.	No. of Pages
U.S. Summary	1	524	New Hampshire	31	141
Alabama	2	295	New Jersey	32	351
Alaska	3	128	New Mexico	33	171
Arizona	4	168	New York	34	427
Arkansas	5	263	North Carolina	35	335
California	6	656	North Dakota	36	170
Colorado	7	218	Ohio	37	508
Connecticut	8	231	Oklahoma	38	263
Delaware	9	124	Oregon	39	187
District of Columbia	10	101	Pennsylvania	40	425
Florida	11	374	Rhode Island	41	153
Georgia	12	412	South Carolina	42	224
Hawaii	13	133	South Dakota	43	185
Idaho	14	169	Tennessee	44	285
Illinois	15	464	Texas	45	779
Indiana	16	313	Utah	46	173
Iowa	17	300	Vermont	47	112
Kansas	18	177	Virginia	48	392
Kentucky	19	439	Washington	49	203
Louisiana	20	273	West Virginia	50	219
Maine	21	149	Wisconsin	51	290
Maryland	22	234	Wyoming	52	124
Massachusetts	23	326	Puerto Rico	53	316
Michigan	24	266	Guam	54	
Minnesota	25	268	Virgin Islands	55	
Mississippi	26	248	American Samoa	56	122
Missouri	27	248	Canal Zone	57	
Montana	28	176	Trust Territory of the Pacific Islands	58	
Nebraska	29	230			
Nevada	30	143			

Each part contains two chapters, A and B. Each chapter was issued as a separate paperbound report in series HC(1)-A or Series HC(1)-B.

Each Chapter A, *General Housing Characteristics*, also issued as series HC(1)-A1 through HC(1)-A58, presents statistics on:

Tenure	Units in structure
Kitchen facilities	Mobile homes
Plumbing facilities	Telephones
Number of rooms	Value
Persons per room	contract rent
	Vacancy status

for some or all of the following areas:

- State (by urban and rural residence)
- Standard metropolitan statistical areas
- Urbanized areas
- Counties
- Places of 1,000 inhabitants or more

For Puerto Rico the statistics are presented for the island (by urban and rural residence), standard metropolitan statistical areas (by central city and urban balance), urbanized areas, municipios, and places of 1,000 or more.

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For the outlying areas, all the housing data are included in chapters A; no chapters B were issued for these areas. The statistics are presented for the area, its principal districts or islands (by urban and rural residence, where appropriate), district or island subdivisions, and places.

Each Chapter B, *Detailed Housing Characteristics* (also issued as a report in series HC(1)-B1 through HC(1)-B53, contains detailed housing data for each State, Puerto Rico, and a U.S. summary, for the following areas:

- State
- Standard metropolitan statistical areas
- Urbanized areas
- Counties (by urban and rural residence)
- Places of 2,500 inhabitants or more

For States with large Negro and/or Spanish-heritage populations, the reports present selected data for these groups.

* * * * *

The following chart lists the reports described above.

1970 Census of Housing, Series HC(1)-A, -B Reports (Preprints of Volume I, *Housing Characteristics for States, Cities, and Counties*)

Area	Report No.	HC(1)-A, General Housing Characteristics	HC(1)-B, Detailed Housing Characteristics
		No. of Pages	No. of Pages
U.S. Summary	1	241	261
Alabama	2	98	275
Alaska	3	46	98
Arizona	4	64	118
Arkansas	5	84	193
California	6	235	433
Colorado	7	659	168
Connecticut	8	103	134
Delaware	9	53	85
District of Columbia	10	16	106
Florida	11	137	252
Georgia	12	109	313
Hawaii	13	56	20
Idaho	14	66	125
Illinois	15	164	313
Indiana	16	128	248
Iowa	17	96	218
Kansas	18	81	211
Kentucky	19	102	260
Louisiana	20	92	194
Maine	21	64	98
Maryland	22	90	155
Massachusetts	23	144	196
Michigan	24	127	253
Minnesota	25	86	194

1970 Census of Housing, Series HC(1)-A, -B Reports (continued)

Area	Report No.	HC(1)-A No. of Pages	HC(1)-B No. of Pages
Mississippi	26	72	196
Missouri	27	105	242
Montana	28	54	135
Nebraska	29	64	179
Nevada	30	62	103
New Hampshire	31	60	93
New Jersey	32	147	216
New Mexico	33	59	124
New York	34	170	266
North Carolina	35	100	243
North Dakota	36	54	131
Ohio	37	189	331
Oklahoma	38	82	192
Oregon	39	66	132
Pennsylvania	40	173	266
Rhode Island	41	63	107
South Carolina	42	81	157
South Dakota	43	55	141
Tennessee	44	84	212
Texas	45	206	584
Utah	46	64	121
Vermont	47	44	82
Virginia	48	105	301
Washington	49	72	145
West Virginia	50	75	155
Wisconsin	51	104	199
Wyoming	52	44	91
Puerto Rico	53	110	227
Guam	54	58	
Virgin Islands	55	33	
American Samoa	56	22	none issued
Canal Zone	57	23	
Trust Territory of the Pacific Islands	58	39	

Volume II. Metropolitan Housing Characteristics, consists of 248 reports, identified also as reports in series HC(2)-1 through HC(2)-248. There is one report for each of the 243 standard metropolitan statistical areas in the United States and the four in Puerto Rico, and a U.S. summary.

Each contains the following data in considerable detail:

- Occupancy and vacancy characteristics
- Utilization characteristics (number of rooms, number of persons, persons per room, number of bedrooms)
- Plumbing (plumbing facilities, bathrooms)
- Structural characteristics (units in structure, year structure built, elevator in structure)
- Equipment and appliances (heating, air conditioning, automobiles, second home, clothes washer, clothes dryer, dishwasher, and home freezer)

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Financial characteristics (value, rent, etc.)
 Household characteristics (household composition and income)

The reports for Puerto Rico contain similar data, plus data for the housing items asked only in that island.

For U.S. standard metropolitan statistical areas with large Negro or Spanish-heritage populations, the reports present statistics for these groups.

Statistics are presented for:

- Standard metropolitan statistical area
- Central city of SMSA
- Other cities of 50,000 inhabitants or more within the SMSA

* * * * *

All of these reports are listed below.

**1970 Census of Housing, Series HC(2),
 Vol. II, Metropolitan Housing Characteristics**

Standard Metropolitan Statistical Area	Report No.	No. of Pages	Standard Metropolitan Statistical Area	Report No.	No. of Pages
United States and Regions	1	472	Bloomington-Normal, Ill.	28	60
Abilene, Tex.	2	50	Boise City, Idaho	29	50
Akron, Ohio	3	65	Boston, Mass.	30	148
Albany, Ga.	4	65	Bridgeport, Conn.	31	66
Albany-Schenectady-Troy, N.Y.	5	69	Bristol, Conn.	32	51
Albuquerque, N. Mex.	6	66	Brockton, Mass.	33	51
Allentown-Bethlehem-Easton, Pa.-N.J.	7	68	Brownsville-Harlingen-San Benito, Tex.	34	84
Altoona, Pa.	8	50	Bryan-College Station, Tex.	35	59
Amarillo, Tex.	9	50	Buffalo, N.Y.	36	75
Anaheim-Santa Ana-Carden Grove, Calif.	10	140	Canton, Ohio	37	50
Anderson, Ind.	11	50	Cedar Rapids, Iowa	38	50
Ann Arbor, Mich.	12	50	Champaign-Urbana, Ill.	39	60
Appleton-Oshkosh, Wis.	13	50	Charleston, S.C.	40	66
Asheville, N.C.	14	50	Charleston, W. Va.	41	50
Atlanta, Ga.	15	67	Charlotte, N.C.	42	66
Atlantic City, N.J.	16	58	Chatanooga, Tenn.-Ga.	43	66
Augusta, Ga.-S.C.	17	60	Chicago, Ill.	44	201
Austin, Tex.	18	82	Cincinnati, Ohio-Ky.-Ind.	45	56
Bakersfield, Calif.	19	48	Cleveland, Ohio	46	103
Baltimore, Md.	20	94	Colorado Springs, Colo.	47	50
Baton Rouge, La.	21	66	Columbia, Mo.	48	58
Bay City, Mich.	22	50	Columbia, S.C.	49	66
Beaumont-Port Arthur-Orange, Tex.	23	82	Columbus, Ga.-Ala.	50	68
Billings, Mont.	24	50	Columbus, Ohio	51	67
Biloxi-Gulfport, Miss.	25	59	Corpus Christi, Tex.	52	66
Binghamton, N.Y.-Pa.	26	50	Dallas, Tex.	53	127
Birmingham, Ala.	27	66	Danbury, Conn.	54	51
			Davenport-Rock Island-Moline, Iowa-Ill.	55	68
			Dayton, Ohio	56	76
			Decatur, Ill.	57	50

1970 Census of Housing, Series HC(2), Vol. II (continued)

Standard Metropolitan Statistical Area	Report No.	No. of Pages	Standard Metropolitan Statistical Area	Report No.	No. of Pages
Denver, Colo.	58	109	Lafayette-West		
Des Moines, Iowa	59	51	Lafayette, Ind.	106	61
Detroit, Mich.	60	200	Lake Charles, La.	107	51
Dubuque, Iowa	61	50	Lancaster, Pa.	108	50
Duluth-Superior, Minn.-Wis.	62	59	Lansing, Mich.	109	50
Durham, N.C.	63	64	Laredo, Tex.	110	60
El Paso, Tex.	64	66	Las Vegas, Nev.	111	50
Erie, Pa.	65	50	Lawrence-Haverhill, Mass.-N.H.	112	63
Eugene, Oreg.	66	51	Lawton, Okla.	113	50
Evansville, Ind.-Ky.	67	58	Lewiston-Auburn, Maine	114	50
Fall River, Mass.-R.I.	68	52	Lexington, Ky.	115	50
Fargo-Moorhead, N. Dak.-Minn.	69	59	Lima, Ohio	116	50
Fayetteville, N.C.	70	58	Lincoln, Nebr.	117	50
Fitchburg-Leominster, Mass.	71	68	Little Rock-North Little Rock, Ark.	118	60
Flint, Mich.	72	67	Lorain-Elyria, Ohio	119	50
Fort Lauderdale-Hollywood, Fla.	73	67	Los Angeles-Long Beach, Calif.	120	321
Fort Smith, Ark.-Wis.	74	51	Louisville, Ky.	121	67
Fort Wayne, Ind.	75	51	Lowell, Mass.	122	50
Fort Worth, Tex.	76	108	Lubbock, Tex.	123	50
Fresno, Calif.	77	67	Lynchburg, Va.	124	50
Gadsden, Ala.	78	52	Macon, Ga.	125	60
Gainesville, Fla.	79	58	Madison, Wis.	126	51
Galveston-Texas City, Tex.	80	67	Manchester, N.H.	127	51
Gary-Hammond-East Chicago, Ind.	81	92	Mansfield, Ohio	128	50
Grand Rapids, Mich.	82	59	McAllen-Pharr-Edinburg, Tex.	129	84
Great Falls, Mont.	83	51	Memphis, Tenn.-Ark.	130	67
Green Bay, Wis.	84	51	Meriden, Conn.	131	42
Greensboro-Winston-Salem-High Point, N.C.	85	92	Miami, Fla.	132	109
Greenville, S.C.	86	59	Midland, Tex.	133	50
Hamilton-Middleton, Ohio	87	56	Milwaukee, Wis.	134	85
Harrisburg, Pa.	88	51	Minneapolis-St. Paul, Minn.	135	79
Hartford, Conn.	89	67	Mobile, Ala.	136	66
Honolulu, Hawaii	90	51	Modesto, Calif.	137	50
Houston, Tex.	91	91	Monroe, La.	138	57
Huntington-Ashland, W. Va.-Ky.-Ohio	92	59	Montgomery, Ala.	139	67
Huntsville, Ala.	93	57	Muncie, Ind.	140	51
Indianapolis, Ind.	94	67	Muskegon-Muskegon Heights, Mich.	141	59
Jackson, Mich.	95	50	Nashua, N.H.	142	51
Jackson, Miss.	96	66	Nashville-Davidson, Tenn.	143	68
Jacksonville, Fla.	97	49	New Bedford, Mass.	144	51
Jersey City, N.J.	98	50	New Britain, Conn.	145	50
Johnstown, Pa.	99	50	New Haven, Conn.	146	76
Kalamazoo, Mich.	100	50	New London-Groton-Norwich, Conn.	147	60
Kansas City, Mo.	101	110	New Orleans, La.	148	80
Kenosha, Wis.	102	50	New York, N.Y.	149	136
Knoxville, Tenn.	103	48	Newark, N.J.	150	127
La Crosse, Wis.	104	50	Newport News-Hampton, Va.	151	82
Lafayette, La.	105	50	Norfolk-Portsmouth, Va.	152	101

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1970 Census of Housing, Series HC(2), Vol. II (continued)

Standard Metropolitan Statistical Area	Report No.	No. of Pages	Standard Metropolitan Statistical Area	Report No.	No. of Pages
Norwalk, Conn.	153	51	Scranton, Pa.	200	50
Odessa, Tex.	154	50	Seattle-Everett, Wash.	201	84
Ogden, Utah	155	50	Sherman-Denison, Tex.	202	59
Oklahoma City, Okla.	156	76	Shreveport, La.	203	65
Omaha, Nebr.-Iowa	157	76	Sioux City, Iowa-Nebr.	204	50
Orlando, Fla.	158	66	Sioux Falls, S. Dak.	205	50
Owensboro, Ky.	159	50	South Bend, Ind.	206	50
Oxnard-Ventura, Calif.	160	77	Spokane, Wash.	207	50
Paterson-Clifton-Passaic, N.J.	161	85	Springfield, Ill.	208	50
Pensacola, Fla.	162	58	Springfield, Mo.	209	48
Peoria, Ill.	163	50	Springfield, Ohio	210	51
Petersburg-Colonial Heights, Va.	164	67	Springfield-Chicopee-Holyoke, Mass.-Conn.	211	69
Philadelphia, Pa.-N.J.	165	117	Stamford, Conn.	212	51
Phoenix, Ariz.	166	110	Steubenville-Weirton, Ohio-W. Va.	213	69
Pine Bluff, Ark.	167	58	Stockton, Calif.	214	59
Pittsburgh, Pa.	168	47	Syracuse, N.Y.	215	51
Pittsfield, Mass.	169	51	Tacoma, Wash.	216	50
Portland, Maine	170	51	Tallahassee, Fla.	217	59
Portland, Oreg.-Wash.	171	51	Tampa-St. Petersburg, Fla.	218	108
Providence-Pawtucket-Warwick, R.I.-Mass.	172	79	Terre Haute, Ind.	219	51
Provo-Orem, Utah	173	59	Texarkana, Tex.-Ark.	220	59
Pueblo, Colo.	174	66	Toledo, Ohio-Mich.	221	66
Racine, Wis.	175	50	Topeka, Kans.	222	50
Raleigh, N.C.	176	47	Trenton, N.J.	223	66
Reading, Pa.	177	50	Tucson, Ariz.	224	65
Reno, Nev.	178	50	Tulsa, Okla.	225	67
Richmond, Va.	179	67	Tuscaloosa, Ala.	226	58
Roanoke, Va.	180	50	Tyler, Tex.	227	50
Rochester, Minn.	181	50	Utica-Rome, N.Y.	228	59
Rochester, N.Y.	182	66	Vallejo-Napa, Calif.	229	60
Rockford, Ill.	183	50	Vineland-Millville-Bridgeton, N.J.	230	68
Sacramento, Calif.	184	92	Waco, Tex.	231	50
Saginaw, Mich.	185	48	Washington, D.C.-Md.-Va.	232	120
St. Joseph, Mo.	186	50	Waterbury, Conn.	233	51
St. Louis, Mo.-Ill.	187	93	Waterloo, Iowa	234	50
Salem, Oreg.	188	50	West Palm Beach, Fla.	235	67
Salinas-Monterey, Calif.	189	69	Wheeling, W. Va.-Ohio	236	50
Salt Lake City, Utah	190	58	Wichita, Kans.	237	66
San Angelo, Tex.	191	50	Wichita Falls, Tex.	238	51
San Antonio, Tex.	192	82	Wilkes Barre-Hazleton, Pa.	239	59
San Bernardino-Riverside-Ontario, Calif.	193	85	Wilmington, Del.-N.J.-Md.	240	66
San Diego, Calif.	194	101	Wilmington, N.C.	241	58
San Francisco-Oakland, Calif.	195	214	Worcester, Mass.	242	51
San Jose, Calif.	196	103	York, Pa.	243	50
Santa Barbara, Calif.	197	58	Youngstown-Warren, Ohio	244	76
Santa Rosa, Calif.	198	50	Caguas, P.R.	245	99
Savannah, Ga.	199	68	Mayaguez, P.R.	246	99
			Ponce, P.R.	247	99
			San Juan, P.R.	248	176

Volume III, Block Statistics, consists of 278 reports, also identified as reports in series HC(3)-1 through HC(3)-278, showing data for approximately 1.7 million city blocks.

The reports are for cities and their urbanized areas, and also for some communities outside urbanized areas that contracted for the Census Bureau to provide block statistics from the 1970 Census at the local area's expense.

In addition to housing data, the reports include some population data. For particular items of data provided for each block (except for the numerous cases in which "Three dots ..." indicate that data are being withheld to avoid disclosure of information for individual housing units, or that the base for an average, percentage, or rate is too small for it to be shown") see the column headings below.

Blocks Within Census Tracts

Total population	Percent of total population				Year-round housing units			Occupied housing units		
					Total	Lacking some or all plumbing facilities	Units in—		Owner	
	One-unit structures	Structures of 10 or more units	Total	Lacking some or all plumbing facilities			Average number of rooms			
								Negro	In group quarters	Under 18 years

Occupied housing units											
Owner		Renter					1:01 or more persons per room		One-person households	With female head of family	With roomers, boarders or lodgers
		Total	Lacking some or all plumbing facilities	Average number of rooms	Average contract rent (dollars)	Percent Negro	Total	With all plumbing facilities			
Average value (dollars)	Percent Negro										

Included with each report (except those for block areas by special contract) is a set of Metropolitan Map Series maps showing in detail the location of each of the numbered blocks in the area covered by the particular report. A set of maps for an urbanized area consists of from two to 137 mapsheets, from 17" x 22" through 34" x 44" in size, printed in two colors. There are more than 3,200 mapsheets in all.

Examples of the block statistics reports are listed below.

Series HC(3), Vol. III, Block Statistics

Urbanized Area	Report No.	No. of Pages	Urbanized Area	Report No.	No. of Pages
Alabama:			Idaho:		
Birmingham	1	129	Boise City	64	35
Gadsden	2	43	Illinois:		
Huntsville	3	35	Aurora-Elgin	65	73
Mobile	4	66	Bloomington-Normal	66	33
Montgomery	5	34	Champaign-Urbana	67	32
Tuscaloosa	6	32	Chicago, Ill.		
Urbanized Areas	7	32	Northwestern Ind.	68	716

Volume IV, Components of Inventory Change (also identified as series HC(4)-1 through HC(4)-16) consists of a report for each of 15 selected standard metropolitan statistical areas shown below and a summary for the entire United States.

The reports contain statistics on the counts and characteristics of the components of change in the housing inventory—new construction, conversions, mergers, demolitions, and other additions and losses—between 1960 and 1970. Data are also given on the housing units that remained the same during the period, and on the characteristics of units occupied by “recent movers.”

The data are based on a sample survey taken in the fall of 1970.

Area	Report No.	No. of Pages	Area	Report No.	No. of Pages
U.S. and Regions	1	504	Miami, Fla.	10	112
Atlanta, Ga.	2	112	New York, N.Y.	11	112
Boston, Mass.	3	112	Philadelphia, Pa.-N.J.	12	112
Buffalo, N.Y.	4	112	St. Louis, Mo.-Ill.	13	112
Chicago, Ill.	5	112	San Francisco-Oakland, Calif.	14	112
Cleveland, Ohio	6	112	Seattle-Everett, Wash.	15	112
Detroit, Mich.	7	112	Washington, D.C.-Md.-Va.	16	113
Houston, Tex.	8	112			
Los Angeles-Long Beach, Calif.	9	112			

Volume V, Residential Finance is a one-volume report (856 p.) based on a sample survey conducted in the spring of 1971 regarding the financing of privately owned nonfarm residential properties. Statistics are shown on the amount of outstanding mortgage debt, manner of acquisition of property, homeowner expenses, and other characteristics of the owners, properties, and mortgages, for the United States as a whole and for the four regions.

Volume VI, Plumbing Facilities and Estimates of Dilapidated Housing is a one-volume report (504 p.) presenting data on “substandard” housing

units for counties and cities, based on the number of units lacking plumbing facilities combined with estimates of the number of units with all plumbing facilities but in a dilapidated condition.

Volume VII, Subject Reports (also identified as HC(7)-1 through HC(7)-9). Each report is devoted to a particular subject, as shown below. Detailed information and cross-classifications generally are provided on a national and regional level.

Title	Report No.	No. of Pages
Housing Characteristics by Household Composition	1	648
Housing of Senior Citizens	2	996
Space Utilization of the Housing Inventory	3	472
Structural Characteristics of the Housing Inventory	4	464
Mover Households	5	812
Mobile Homes	6	608
Geographical Aspects of the Housing Inventory	7	200
Cooperative and Condominium Housing	8	336
Housing of Selected Racial Groups	9	164

Series HC(S1), Supplementary Reports. This is an open series presenting miscellaneous types of housing data such as special compilations that could not be accommodated in the regular final reports and selected tables from large reports, to permit distribution of the particular figures in an inexpensive format. Some examples of the reports are the following:

Title	Report No.	No. of Pages
Summary Housing Characteristics for the United States, Regions, Divisions, and States: 1970	1	9
General Housing Characteristics for the United States, by Metropolitan and Urban-Rural Residence: 1970	2	8
Characteristics of Occupied Housing Units by Household Composition and Tenure, for the United States: 1970	3	6
Holder of First Mortgages (on Homeowner Properties) Made in 1967-1971 and in 1957-1960, for the United States: 1960 and 1971	18	12
Income of Owners of Mortgaged Properties Acquired in 1967-1971; for the United States: 1971	19	8
Purchase Price of Mortgaged Homeowner Properties Acquired in 1967-1971, for the United States: 1971	20	8

c. Final Reports, 1970 Census of Population and Housing

Some final reports of the 1970 Census cover both population and housing statistics.

Series PHC(1), Census Tracts, consists of 241 reports, each for a standard metropolitan statistical area, as shown below.

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Social, labor force, and income characteristics of the population, as well as occupancy, utilization, structural equipment, and financial characteristics of housing units are presented for component counties and places of 25,000 inhabitants or more in the SMSA as well as for the individual census tracts.

Separate tables provide the same kind of data on Negroes and persons of Spanish heritage for each census tract with 400 or more persons in these populations groups. Each report includes a set of tract outline maps—generally, several large mapsheets per SMSA.

(About 100 other counties and places outside SMSA's were subdivided into census tracts for the 1970 Census. Complete-count and sample data for these non-SMSA tracted areas were tabulated on the Second and Fourth Count summary tapes but were not published in the PHC(1) reports. However, photocopies of data corresponding to that in the PHC(1) reports are available for purchase. For further information, write to the Customer Services Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233.)

1970 Census of Population and Housing
Series PHC(1), Census Tracts

Standard Metropolitan Statistical Area	Report No.	No. of Pages	Standard Metropolitan Statistical Area	Report No.	No. of Pages
Abilene, Tex.	1	69	Birmingham, Ala.	26	130
Akron, Ohio	2	101	Bloomington-Normal, Ill.	27	55
Albany, Ga.	3	63	Boise City, Idaho	28	67
Albany-Schenectady-Troy, N.Y.	4	115	Boston, Mass.	29	302
Albuquerque, N. Mex.	5	101	Bridgeport, Conn.	30	92
Allentown-Bethlehem-Easton, Pa., N.J.	6	99	Bristol, Conn.	31	49
Altoona, Pa.	7	55	Brockton, Mass.	32	57
Amarillo, Tex.	8	73	Brownsville-Harlingen-San Benito, Tex.	33	96
Anaheim-Santa Ana-Garden Grove, Calif.	9	315	Bryan-College Station, Tex.	34	50
Anderson, Ind.	10	64	Buffalo, N.Y.	35	159
Ann Arbor, Mich.	11	89	Canton, Ohio	36	106
Appleton-Oshkosh, Wis.	12	95	Cedar Rapids, Iowa	37	60
Asheville, N.C.	13	61	Champaign-Urbana, Ill.	38	48
Atlanta, Ga.	14	192	Charleston, S.C.	39	93
Atlantic City, N.J.	15	63	Charleston, W. Va.	40	67
Augusta, Ga.-S.C.	16	69	Charlotte, N.C.	41	115
Austin, Tex.	17	75	Chattanooga, Tenn.-Ga.	42	88
Bakersfield, Calif.	18	105	Chicago, Ill.		
Baltimore, Md.	19	335	Part I	43	589
Baton Rouge, La.	20	86	Part II		312
Bay City, Mich.	21	55	Cincinnati, Ohio-Ky.	44	206
Beaumont-Port Arthur-Orange, Tex.	22	96	Cleveland, Ohio	45	274
Billings, Mont.	23	50	Colorado Springs, Colo.	46	82
Biloxi-Gulfport, Miss.	24	63	Columbia, Mo.	47	56
Binghamton, N.Y.-Pa.	25	85	Columbia, S.C.	48	104
			Columbus, Ga.-Ala.	49	99
			Columbus, Ohio	50	196

1970 Census of Population and Housing, Series PHC(1) (continued)

Standard Metropolitan Statistical Area	Report No.	No. of Pages	Standard Metropolitan Statistical Area	Report No.	No. of Pages
Corpus Christi, Tex.	51	77	Kalamazoo, Mich.	98	63
Dallas, Tex.	52	284	Kansas City, Mo.-Kans.	99	278
Davenport-Rock Island-Moline, Iowa-Ill.	53	93	Kenosha, Wis.	100	61
Dayton, Ohio	54	150	Knoxville, Tenn.	101	109
Decatur, Ill.	55	67	Lafayette, La.	102	58
Denver, Colo.	56	250	Lafayette-West Lafayette, Ind.	103	63
Des Moines, Iowa	57	70	Lake Charles, La.	104	73
Detroit, Mich.	58	565	Lancaster, Pa.	105	86
Dubuque, Iowa	59	49	Lansing, Mich.	106	100
Duluth-Superior, Minn.-Wis.	60	80	Laredo, Tex.	107	53
Durham, N.C.	61	82	Las Vegas, Nev.	108	78
El Paso, Tex.	62	81	Lawrence-Haverhill, Mass.-N.H.	109	
Erie, Pa.	63	63	Lawton, Okla.	110	54
Eugene, Oreg.	64	80	Lewiston-Auburn, Maine	111	49
Evansville, Ind.-Ky.	65	70	Lexington, Ky.	112	87
Fall River, Mass.-R.I.	66	57	Lima, Ohio	113	95
Fargo-Moorhead, N. Dak.-Minn.	67	63	Lincoln, Neb.	114	68
Fayetteville, N.C.	68	72	Little Rock-North Little Rock, Ark.	115	85
Fitchburg-Leominster, Mass.	69	62	Lorain-Elyria, Ohio	116	83
Flint, Mich.	70	90	Los Angeles-Long Beach, Calif.		
Fort Lauderdale-Hollywood, Fla.	71	109	Part I	117	754
Fort Smith, Ark.-Okla.	72	62	Part II		397
Fort Wayne, Ind.	73	81	Louisville, Ky.-Ind.	118	147
Fort Worth, Tex.	74	166	Lowell, Mass.	119	63
Fresno, Calif.	75	134	Lubbock, Tex.	120	63
Gadsden, Ala.	76	56	Lynchburg, Va.	121	57
Gainesville, Fla.	77	57	Macon, Ga.	122	97
Galveston-Texas City, Tex.	78	80	Madison, Wis.	123	98
Gary-Hammond-East Chicago, Ind.	79	101	Manchester, N.H.	124	56
Grand Rapids, Mich.	80	125	Mansfield, Ohio	125	50
Great Falls, Mont.	81	56	McAllen-Pharr-Edinburg, Pa.	126	98
Green Bay, Wis.	82	56	Memphis, Tenn.-Ark.	127	135
Greensboro-High Point, N.C.	83	161	Meriden, Conn.	128	48
Greenville, S.C.	84	82	Miami, Fla.	129	219
Hamilton-Middletown, Ohio	85	70	Midland, Tex.	130	55
Harrisburg, Pa.	86	84	Milwaukee, Wis.	131	228
Hartford, Conn.	87	117	Minneapolis-St. Paul, Minn.	132	270
Honolulu, Hawaii	88	147	Mobile, Ala.	133	110
Houston, Tex.	89	297	Modesto, Calif.	134	85
Huntington-Ashland, W. Va.-Ky.-Ohio	90	90	Monroe, La.	135	64
Huntsville, Ala.	91	86	Montgomery, Ala.	136	81
Indianapolis, Ind.	92	180	Muncie, Ind.	137	62
Jackson, Mich.	93	56	Muskegon-Muskegon Heights, Mich.	138	63
Jackson, Miss.	94	75	Nashville-Davidson, Tenn.	139	93
Jacksonville, Fla.	95	87	New Bedford, Mass.	140	56
Jersey City, N.J.	96	114	New Britain, Conn.	141	55
Johnstown, Pa.	97	68	New Haven, Conn.	142	83
			New London-Groton-Norwich, Conn.	143	69

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1970 Census of Population and Housing, Series PHC(1) (continued)

Standard Metropolitan Statistical Area	Report No.	No. of Pages	Standard Metropolitan Statistical Area	Report No.	No. of Pages
New Orleans, La.	144	182	Santa Barbara, Calif.	191	96
New York, N.Y.			Santa Rosa, Calif.	192	72
Part 1		622	Savannah, Ga.	193	74
Part 2	145	396	Scranton, Pa.	194	68
Part 3		524	Seattle-Everett, Wash.	195	199
Newark, N.J.	146	336	Sherman-Denison, Tex.	196	57
Newport News-Hampton, Va.	147	73	Shreveport, La.	197	95
Norfolk-Portsmouth, Va.	148	176	Sioux City, Iowa-Nebr.	198	57
Norwalk, Conn.	149	56	Sioux Falls, S.D.	199	54
Odessa, Tex.	150	63	South Bend, Ind.	200	82
Ogden, Utah	151	56	Spokane, Wash.	201	87
Oklahoma City, Okla.	152	180	Springfield, Ill.	202	72
Omaha, Nebraska-Iowa	153	120	Springfield, Mo.	203	69
Orlando, Fla.	154	112	Springfield, Ohio	204	68
Oxnard-Ventura, Calif.	155	125	Springfield-Chicopee-Holyoke, Mass.-Conn.	205	97
Paterson-Clifton-Passaic, N.J.	156	149	Stamford, Conn.	206	63
Pensacola, Fla.	157	72	Steubenville-Weirton, Ohio-W. Va.	207	66
Peoria, Ill.	158	78	Stockton, Calif.	208	113
Philadelphia, Pa.-N.J.	159	574	Syracuse, N.Y.	209	119
Phoenix, Ariz.	160	190	Tacoma, Wash.	210	82
Pine Bluff, Ark.	161	56	Tallahassee, Fla.	211	65
Pittsburgh, Pa.	162	352	Tampa-St. Petersburg, Fla.	212	171
Pittsfield, Mass.	163	50	Terre Haute, Ind.	213	65
Portland, Maine	164	63	Texarkana, Tex.-Ark.	214	65
Portland, Oreg.-Wash.	165	192	Toledo, Ohio-Mich.	215	135
Providence-Pawtucket-Warwick, R.I.-Mass.	166	157	Topeka, Kans.	216	68
Provo-Orem, Utah	167	66	Trenton, N.J.	217	72
Pueblo, Colo.	168	79	Tucson, Ariz.	218	91
Racine, Wis.	169	55	Tulsa, Okla.	219	123
Raleigh, N.C.	170	77	Tuscaloosa, Ala.	220	63
Reading, Pa.	171	65	Tyler, Tex.	221	64
Reno, Nev.	172	67	Utica-Rome, N.Y.	222	87
Richmond, Va.	173	107	Vallejo-Napa, Calif.	223	103
Roanoke, Va.	174	56	Vineland-Millville-Bridgeton, N.J.	224	56
Rochester, Minn.	175	61	Waco, Tex.	225	77
Rochester, N.Y.	176	141	Washington, D.C.-Md.-Va.	226	403
Rockford, Ill.	177	87	Waterbury, Conn.	227	69
Sacramento, Calif.	178	173	Waterloo, Iowa	228	63
Saginaw, Mich.	179	62	West Palm Beach, Fla.	229	93
St. Joseph, Mo.	180	62	Wheeling, W. Va.-Ohio	230	69
St. Louis, Mo.-Ill.	181	312	Wichita, Kans.	231	109
Salem, Oreg.	182	73	Wilkes-Barre-Hazleton, Pa.	233	81
Salinas-Monterey, Calif.	183	90	Wilmington, Del.-N.J.-Md.	234	107
Salt Lake City, Utah	184	99	Wilmington, N.C.	235	63
San Angelo, Tex.	185	59	Worcester, Mass.	236	94
San Antonio, Tex.	186	179	York, Pa.	237	74
San Bernardino-Riverside-Ontario, Calif.	187	224	Youngstown-Warren, Ohio	238	132
San Francisco-Oakland, Calif.	189	601	Mayaguez, P.R.	239	111
San Jose, Calif.	190	272	Ponce, P.R.	240	116
			San Juan, P.R.	241	351

Series PHC(2), General Demographic Trends for Metropolitan Areas. These are 52 reports, one for each State and the District of Columbia, and a U.S. summary, as shown below.

These reports present comparative 1960 and 1970 data on selected population and housing subjects—age, race, tenure, vacancy status, plumbing facilities, persons per room, value, and contract rent—for the State and for each standard metropolitan statistical area (by inside and outside central city).

**1970 Census of Population and Housing, Series PHC(2),
General Demographic Trends for Metropolitan Areas, 1960 to 1970**

State	Report No.	No. of Pages	State	Report No.	No. of Pages
U.S. Summary	1	122	Missouri	27	37
Alabama	2	38	Montana	28	24
Alaska	3	13	Nebraska	29	32
Arizona	4	23	Nevada	30	23
Arkansas	5	40	New Hampshire	31	28
California	6	65	New Jersey	32	49
Colorado	7	26	New Mexico	33	20
Connecticut	8	45	New York	34	41
Delaware	9	22	North Carolina	35	37
District of Columbia	10	16	North Dakota	36	25
Florida	11	44	Ohio	37	73
Georgia	12	45	Oklahoma	38	31
Hawaii	13	20	Oregon	39	29
Idaho	14	20	Pennsylvania	40	58
Illinois	15	50	Rhode Island	41	27
Indiana	16	54	South Carolina	42	30
Iowa	17	42	South Dakota	43	23
Kansas	18	29	Tennessee	44	35
Kentucky	19	43	Texas	45	88
Louisiana	20	33	Utah	46	27
Maine	21	27	Vermont	47	15
Maryland	22	29	Virginia	48	45
Massachusetts	23	53	Washington	49	21
Michigan	24	48	West Virginia	50	36
Minnesota	25	37	Wisconsin	51	43
Mississippi	26	26	Wyoming	52	15

Series PHC(3), Employment Profiles of Selected Low-Income Areas. This series consists of 76 reports covering selected low-income areas in 51 cities and seven sets of rural counties, and a U.S. summary, as shown below.

The reports contain detailed socio-economic data derived from sample surveys conducted during the latter part of 1970 and early 1971 on employment-related problems in low-income areas. Statistics are presented on the demographic characteristics of the population by the most important labor force and socio-economic factors, including value or rent of housing units and number of rooms, for each race and Spanish-origin group.

**1970 Census of Population and Housing, Series PHC(3),
Employment Profiles of Selected Low-Income Areas**

Area	Report No.	No. of Pages	Area	Report No.	No. of Pages
United States Summary—			Milwaukee, Wis.	35	262
Urban Areas	1	260	Atlanta, Ga.	36	194
New York, N.Y.—			Cincinnati, Ohio	37	262
All Survey Areas	2	331	Buffalo, N.Y.	38	262
New York, N.Y.—			San Diego, Calif.	39	350
Puerto Rican Population			Miami, Fla.	40	350
of Survey Areas	3	331	Kansas City, Mo.	41	262
Manhattan Borough, New			Denver, Colo.	42	262
York City—Summary	4	351	Indianapolis, Ind.	43	262
Manhattan Borough, New			New Orleans, La.	44	263
York City—Area I	5	262	Oakland, Calif.	45	262
Manhattan Borough, New			Tampa, Fla.	46	262
York City—Area II	6	352	Portland, Oreg.	47	194
Brooklyn Borough, New			Phoenix, Ariz.	48	264
York City—Summary	7	332	Columbus, Ohio	49	262
Brooklyn Borough, New			San Antonio, Tex.	50	194
York City—Area I	8	329	Dayton, Ohio	51	262
Brooklyn Borough, New			Rochester, N.Y.	52	262
York City—Area II	9	262	Louisville, Ky.	53	262
Brooklyn Borough, New			Memphis, Tenn.	54	194
York City—Area III	10	350	Fort Worth, Tex.	55	262
Bronx Borough, New			Birmingham, Ala.	56	262
York City	11	262	Toledo, Ohio	57	264
Queens Borough, New			Akron, Ohio	58	262
York City	12	194	Norfolk, Va.	59	262
Los Angeles, Calif.—			Oklahoma City, Okla.	60	262
Summary	13	350	Jersey City, N.J.	61	262
Los Angeles, Calif.—			Providence, R.I.	62	194
Area I	14	262	Omaha, Nebr.	63	262
Los Angeles, Calif.—			Youngstown, Ohio	64	262
Area II	15	262	Tulsa, Okla.	65	262
Chicago, Ill.—Summary	16	263	Charlotte, N.C.	66	262
Chicago, Ill.—Area I	17	262	Wichita, Kans.	67	262
Chicago, Ill.—Area II	18	194	Bridgeport, Conn.	68	262
Philadelphia, Pa.—			Selected Rural Counties		
Summary	19	263	in Alabama	69	249
Philadelphia, Pa.—Area I	20	262	Selected Rural Counties		
Philadelphia, Pa.—Area II	21	262	in Appalachia	70	305
Detroit, Mich.	22	262	Selected Rural Counties		
San Francisco, Calif.	23	262	in Arkansas	71	252
Washington, D.C.	24	193	Selected Rural Counties		
Boston, Mass.	25	262	in California	72	187
Pittsburgh, Pa.	26	262	Selected Rural Counties		
St. Louis, Mo.	27	262	in Missouri	73	118
Baltimore, Md.	28	262	Selected Rural Counties		
Cleveland, Ohio	29	262	in North Carolina	74	252
Houston, Tex.	30	262	Selected Rural Counties		
Newark, N.J.	31	262	in New Mexico	75	244
Dallas, Tex.	32	262	Zuni Reservation, N. Mex.	76	111
Minneapolis, Minn.	33	194			
St. Paul, Minn.	34	194			

4. 1970 Census Summary Tapes

Approximately 2,000 reels of computer-readable summary tapes with statistical data from the 1970 Census are available to the public. These tapes contain tallies of responses to inquiries on the census questionnaires, summarized by census block, enumeration district, tract, or other geographic area, in more detail than appears in the printed reports.

The tapes were produced in six "Counts," i.e., computer runs. The term "count" is used to refer to the tapes in a way somewhat analogous to the way in which the term "series" is used for groups of publications. Except for Files A and B of the Fifth Count (for selected ZIP code areas), the tapes were prepared on a State-by-State basis.

An outline of the content of these summary tapes follows on page 82. More complete information on their content is given in *Data Access Descriptions* and the *Index to 1970 Census Summary Tapes*, discussed later. The technical documentation for the First through Fourth Counts is found in Part 2 of the *1970 Census Users' Guide*; documentation for the Fifth and Sixth Counts (as well as the First through Fourth) is available for purchase from the Customer Services Branch (see address below). All of these documents are described below on pages 46-47. The geographic areas for which data are presented in the various Counts are shown on page 48.

Many data users shy away from even considering the use of data from the summary tapes because they feel they would need some knowledge about computers in order to obtain and use the tapes. In fact, no knowledge of computers is required. All the data user must do is familiarize himself with the descriptions of the contents of the tapes (in the *Data Access Descriptions*, technical documentation, indexes, etc.) and then make arrangements to obtain the desired tables for the geographic areas of interest from a Summary Tape Processing Center (see page 11) or an equivalent processing center.

To order tapes or documentation, or to obtain cost information, write to Customer Services Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

"*Data Access Descriptions*" on the Content of the Summary Tapes. Data Access Descriptions (DAD's) are small publications issued from time to time on a variety of topics considered useful to persons interested in Census Bureau data.

Probably the best and most complete descriptions of the contents of the 1970 Census summary tapes (excluding the descriptions in the technical documentation supplied to purchasers of the tapes) are available in six Data Access Descriptions, as follows:

**1970 Census of Population and Housing:
Summary Tapes Available**

Type	Geographic area covered	No. of tables and data cells* for each area	No. of reels in file
First Count: **			
File A	Enumeration districts (or block groups)	55 tables containing 400 100-percent population and housing data cells	104
File B	States, counties, congressional districts, minor civil divisions (or census county divisions), and places	Same as above	58
Second Count:			
File A	Census tracts	93 tables containing 3,500 100-percent population and housing data cells	108
File B	States, SMSA's and their component counties, urbanized areas, minor civil divisions (or census county divisions), and places	Same as above	155
Third Count File:			
	Census blocks	38 tables containing 250 100-percent population and housing data cells	240
Fourth Count:			
Population File A	Census tracts	Sample data: 127 tables, 7,100 population data cells	143
Population File B	Minor civil divisions (or census county divisions)	127 tables, 7,100 population data cells	123
Population File C	States, counties, SMSA's and component areas, places	127 tables, 14,500 population data cells	94
Housing File A	Census tracts	Sample data: 200 tables, 6,600 cells	201
Housing File B	Minor civil divisions (or census county divisions)	200 tables, 6,600 cells	191
Housing File C	States, counties, SMSA's and component areas, places	200 tables, 12,000 cells	106
Fifth Count:			
File A	3-digit ZIP code areas, outside SMSA's	53 tables containing 900 sample population and housing data cells	1
File B	5-digit ZIP code areas, in SMSA's	Same as above	12
File C**	Minor civil divisions (or census county divisions), census tracts, enumeration districts or block groups	Same as above	205

1970 Census of Population and Housing: Summary Tapes Available (continued)

Tape	Geographic area covered	No. of tables and data cells* for each area	No. of reels in file
Congressional District File	States and congressional districts	75 tables with 1,100 sample population and housing data cells	1
<i>Sixth Count:</i>			
Population	States, SMSA's, metropolitan counties, central cities with 50,000+ population	Sample data: 92 tables, 150,000 data cells	189
Housing	States, SMSA's, metropolitan counties, non-metropolitan counties with 50,000+ population, cities with 50,000+ population, central cities	Sample data: 348 tables, 110,000 data cells	206

*A data cell is a single tally in a tabulation. For example, a tabulation of total population by single years of age from "under 1" to "100 or more" would have 101 data cells.

**See microform section (p. 6-7) for information about First and Fifth Count microform.

First Count Summary Tapes from the 1970 Census of Population and Housing (DAD No. 13)

Second Count . . . (DAD No. 26)

Third Count (Block) . . . (DAD No. 25)

Fourth Count . . . (DAD No. 22)

. . . Fifth Count for ZIP Codes, Counties, and Smaller Areas (DAD No. 36)

Sixth Count . . . (DAD No. 30)

For the first through the fifth counts, the descriptions include the exact categories of each variable in each table. DAD No. 30 provides a summarized description of the very detailed Sixth Count tables. Copies of these *Data Access Descriptions* may be obtained free-of-charge from the Data Access and Use Staff, Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

Index to 1970 Census Summary Tapes, by Paul T. Zeisset. This Index (U.S. Government Printing Office, 215 p., price when issued \$2.60) is an exhaustive alphabetical listing of the items of data in the summary tape tables. As in the case of the *Index to Selected 1970 Census Reports*, each table is referenced under each of its variables, and for each the universe is given; the format differs from the index to the printed reports, in that (1) the index refers to one of the six "Counts" and to the table number within that Count, instead of a printed report, and (2) the geographic areas for

which the data are presented are not shown because each Count gives data for all of the geographic areas associated with that Count.

1970 Census Users' Guide. This Guide provides all of the technical information needed to extract information from a 1970 Census summary tape, including, for example, the data fields on a tape and their location, for Counts 1 through 4. (Counts 5 and 6 are *not* covered.) The Guide was issued in two parts. Part 1 contains the type of general background information on the 1970 Census that is needed for use of the 1970 statistics in any form. Part 2 contains technical documentation for Count 1 through 4. The Guide is no longer in print. However, copies are available for reference in many libraries, Summary Tape Processing Centers, university computer centers, and related organizations.

Key to Geographic Areas Summarized on Summary Tapes

	1st	2nd	3rd	4th-P/ 4th-H	5th	6th-P	6th-H
1. State	X	X		U,RF,RNF ¹		U,RF,RNF	X
State Level Components							
2. Total Urbanized Areas (UA's) State				X			
3. Central Cities of UA's (Urban Portion)		X		X			
4. Urban Fringe of UA's		X		X			
5. Urban Places with 10,000 or more population outside UA's		X		X			
6. Urban Places with 2,500-10,000 population outside UA's		X		X			
7. Rural Places with 1,000-2,500 or more population		X					
8. Other Rural Areas		X					
9. Total Standard Metropolitan Statistical Areas in State				U,RF,RNF			X
10. Central Cities of SMSA's (Urban Portion)	X			X			X
11. Other Territory of SMSA's	U,R ²			U,RF,RNF			X
12. Non-SMSA Territory in the State	U,R			U,RF,RNF			X
SCA's, SMSA's, and SMSA Components							
13. Standard Consolidated Area	X			U,RF,RNF			
14. SMSA	X			U,RF,RNF			
15. Each County in the SMSA	X			U,RF,RNF		X	X
16. Each Central City or city with 50,000 or more population inside the SMSA (Urban Portion)		X		X		X	X
17. Balance of each SMSA	U,R			U,RF,RNF			

Key to Geographic Areas Summarized on Summary Tapes (continued)

	1st	2nd	3rd	4th-P/ 4th-H	5th	6th-P	6th-H
Urbanized Area Components							
18. Each Urbanized Area		X		X			
19. Each Central City of the UA (Urban Portion)				X			
20. Urban Fringe of the UA				X			
Places							
21. Places with 2,500 or more population, including New England towns	X	X		X			
22. Places (including New England towns) with 1,000-2,500 population	X	X					
23. Incorporated places less than 1,000 population	X						
24. Place segments within MCD	X						
Other Areas							
25. County	X	U,R		U,RF,RNF			
26. Counties above 50,000 population only							X
27. MCD	X	X		X			
28. Tract (inside SMSA's and other tracted areas)		X	X ³	X			
29. Enumeration District or Block Group	X						
30. Block (inside UA's and contract block areas)			X				
31. Congressional District	X					X	
32. Zip code areas							

¹Where U,RF,RNF appears this particular summary is subdivided into 3 components: Urban, Rural Farm, and Rural Nonfarm. This applies to all Fourth Count tables EXCEPT Fourth Count housing tables 108-200.

²Where U,R appears the summary is divided into two components: Urban and Rural.

³Tract summaries on the Third Count are given for those tracts or parts of tracts within the area for which block statistics are provided.

C. Evaluations of Census Statistics: Population and Housing

The following is a list of studies of the reliability and sources of error in the 1970 Census of Population and Housing statistics. Price information and ordering instructions may be obtained from the Subscribers Services Section, Bureau of the Census, Washington, D.C. 20233.

U.S. Bureau of the Census. *1970 Census of Population and Housing: Evaluation and Research Program*, PHC(E)-1-- Washington, D.C., U.S. Government Printing Office, 1973-. Includes the following, to date (April 1976):

- PHC(E)-1. *The Quality of Residential Geographic Coding*. 1973. 15 p.
- PHC(E)-2. *Test of Birth Registration Completeness, 1964 to 1968*. 1973. 8 p.
- PHC(E)-3. *Results and Analysis of the Experimental Mail Extension Text*. 1973. 25 p.
- PHC(E)-4. *Estimates of Coverage of Population by Sex, Race, and Age: Demographic Analysis*. 1973. 31 p.
- PHC(E)-5. *The Coverage of Housing in the 1970 Census*. 1973. 48 p.
- PHC(E)-6. *Effect of Special Procedures to Improve Coverage in the 1970 Census*. 1974. 24 p.
- PHC(E)-7. *The Medicare Record Check: An Evaluation of the Coverage of Persons 65 Years of Age and Over in the 1970 Census*. 1973. 28 p.
- PHC(E)-8. *Coding Performance in the 1970 Census*. 1974 et p.
- PHC(E)-9. *Accuracy of Data for Selected Population Characteristics as Measured by Reinterviews*. 1974. 70 p.
- PHC(E)-10. *Accuracy of Data for Selected Housing Characteristics as Measured by Reinterviews*. 1975. 107 p.
- PHC(E)-11. *Accuracy of Data for Selected Population Characteristics as Measured by the 1970 CPS-Census Match*. 1975. 122 p.

D. Census of Governments*

1. Items of Data Collected

The following items of data were collected by the Bureau of the Census in the 1972 Census of Governments:**

*Appendix B contains a reproduction of Selected Basic Questionnaires from the 1972 Census of Governments.

**Data for the Federal Government were compiled from Federal records. In general, data for other government units or related organizations were gathered by means of data-collection forms completed for the areas covered by local officials or by Census Bureau representatives. Sales prices of real-property transfers were verified by contact with individual buyers or sellers. Items collected for screening or other purposes are excluded from this table; only those items tabulated for the 1972 Census of Governments are included.

See footnotes at end of table
s = sample

Item	Governmental Units or Related Organizations					
	Federal Government	States	Counties	Municipalities and Townships	Special Districts	School Districts
Employment:						
Number of employees	X	X	X	X	X	
By function	X	X	X	X	X	
By type of employment (full-time, part-time)	X	X	X	X	X	X
By type of retirement coverage	X	X	X	X	X	X
Having health, hospital, and/or disability insurance	X	X	X	X	X	X
Having life insurance paid for wholly or in part by employer government	X	X	X	X	X	X
Belonging to employee organization		X	X	X	X	X
By function		X	X	X	X	X
Payroll for October 1972	X	X	X	X	X	
By function	X	X	X	X	X	
By type of employment (full-time, part-time)		X	X	X	X	X
Labor relations:						
Type of labor relations policy		X	X	X	X	X
Written contractual agreements:						
Number in effect Oct. 15, 1972		X	X	X	X	X
Number that became effective between Oct. 15, 1971 and Oct. 15, 1972		X	X	X	X	X
Written memoranda of understanding:						
Number in effect Oct. 15, 1972		X	X	X	X	X
Number that became effective between Oct. 15, 1971 and Oct. 15, 1972		X	X	X	X	X
Work stoppages:						
Number of stoppages, Oct. 1971-Oct. 1972		X	X	X	X	X
Duration		X	X	X	X	X
Number of employees participating:						
Instructional employees		X	X	X		X
Noninstructional employees		X	X	X		X
Number of employees made idle, by governmental function		X	X	X	X	
Issue(s) involved		X	X	X	X	X
Final method of resolution used		X	X	X	X	X
Retirement systems:						
Type of coverage		X	X	X	X	X
Basis of membership		X	X	X	X	X
Number of members:						
Active		X	X	X	X	X
Inactive		X	X	X	X	X
Number of beneficiaries receiving periodic payments, by type of beneficiary		X	X	X	X	X
Amount of benefits paid to beneficiaries receiving periodic payments, by type		X	X	X	X	X
Number of lump-sum payment recipients, by type of recipient		X	X	X	X	X
Amount of lump-sum payments, by type of recipient		X	X	X	X	X

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Item	Governmental Units or Related Organizations					
	Federal Government	States	Counties	Municipalities and Townships	Special Districts	School Districts
Whether active members covered by Federal OASDHI.....		X	X	X	X	X
Finances:						
Revenue produced during fiscal year ending in 1971-72						
By source	X	X	X	X ¹	X ¹	
Portion allocable to college-grade activities.....		X	X	X		X
Intergovernmental revenue, by purpose by level of government from which received.....		X	X	X		X
Number of subordinate taxing areas.....		X	X	X	X	X
Expenditure during fiscal year ending in 1971-72:						
By purpose and type	X	X	X	X	X	X
Portion allocable to college-grade activities.....		X	X	X		X
Operating expenditures	X	X	X	X	X	X
Capital outlay	X	X	X	X	X	X
Payments to other governments, by purpose and type	X	X	X	X	X	X
Employee benefits, by type	X	X	X	X	X	X
Indebtedness						
Long-term debt, amount outstanding:						
At beginning of fiscal year.....		X	X	X	X	X
At end of fiscal year		X	X	X	X	X
Short-term debt, amount outstanding:						
At beginning of fiscal year.....		X	X	X	X	X
At end of fiscal year		X	X	X	X	X
Amounts of cash and investment assets at end of fiscal year, by type and manner held		X	X	X	X	X
Education:						
Number of schools operated		X	X	X		X
Grade levels provided		X	X	X		X
Number of pupils enrolled.....		X	X	X		X
Number of in-district pupils for whom district provided out-of-district tuition or reimbursement.....						X ²
Size and Function:						
Size of district in square miles.....					X	X
Whether coterminous with other government areas (county, city, township).....					X	X
Whether system/district overlays city of 25,000+ population					X	X
Whether area in more than one county			X		X	X
Functions or services performed					X	X

Item	Governmental Units or Related Organizations					
	Federal Government	States	Counties	Municipalities and Townships	Special Districts	School Districts
Property Values:						
Gross assessed valuations, including partially tax-exempt properties:						
Locally assessed real property		X	X	X ⁴		
Locally assessed personal property		X	X	X ⁴		
State assessed property		X	X	X ⁴		
Tax-exempt valuations:						
Locally assessed personal property		X	X	X ⁴		
Locally assessed real property		X	X	X ⁴		
Net assessed value, totals by use category (residential by single- or multi-family structure, vacant platted lots, commercial, industrial, other) ³						
Assessment-sales price ratio of real property, by type of property ⁵		X _s	X _s	X _s ⁴		

¹"Small" governments only; i.e., those with less than \$5,000 in revenue and/or \$200,000 indebtedness in 1967.

²Tabulated, but not published.

³For selected jurisdictions.

⁴Cities of 50,000 or more population only.

⁵Sales price verified by seller or buyer.

s = sample

2. Geographic Areas for Which Data are Presented

In addition to statistics of the Federal and State governments, which are well defined in the United States, statistics are collected for the following types of local governments:

Counties, found throughout the nation except in Connecticut, Rhode Island, and limited portions of a few other States. In Alaska, the counties are officially designated as "boroughs" and in Louisiana as "parishes." (Data for city-county consolidated governments, such as San Francisco and Denver, were classified and reported as municipalities.)

Municipalities, in which a municipal corporation provides general local government to a population concentration within a defined area.

Townships, including governmental units officially designated as "towns" in the New England States, New York and Wisconsin, and some "plantations" in Maine and "locations" in New Hampshire as well as governments designated as townships in 13 other states. Unlike municipalities, township governments serve inhabitants of areas defined without regard to population concentrations.

School districts. Only independent school districts are separate units of government. Dependent school systems are operated by governments other than the school districts; in 1972 these systems were found in 25 States, but constituted only about 6 percent of the total.

Special districts, usually established to perform a single function such as provision, maintenance, or operation of hospitals, transit systems, water supply, etc. Some special districts are intercounty, inter-State, or regional.

3. Publications from the 1972 Census

Final Reports. All final reports of the 1972 Census of Governments are for sale by the Government Printing Office. Price information and ordering instructions may be obtained from the Subscribers Services Section, Bureau of the Census, Washington, D.C. 20233.

An itemization of these printed reports follows:

Vol. 1. Governmental Organization (477 p.).

Vol. 2. Taxable Property Values and Assessment-Sales Price Ratios:

Part 1. Taxable and Other Property Values (96 p.).

Part 2. Assessment-Sales Price Ratios and Tax Rates (152 p.).

Vol. 3. Public Employment:

No. 1. Employment of Major Local Governments (200 p.).

No. 2. Compendium of Public Employment (432 p.).

No. 3. Management-Labor Relations in State and Local Government (76 p.).

Vol. 4. Government Finances:

No. 1. Finances of School Districts (100 p.).

No. 2. Finances of Special Districts (92 p.).

No. 3. Finances of County Governments (220 p.).

No. 4. Finances of Municipalities and Township Governments (332 p.).

No. 5. Compendium of Government Finances (632 p.).

No. 6. Finances of the Commonwealth of Puerto Rico (28 p.).

Vol. 5. Local Government in Metropolitan Areas (637 p.).

Vol. 6. Topical Studies:

No. 1. Employee-Retirement Systems of State and Local Governments (57 p.).

No. 2. State Reports on State and Local Government Finances (72 p.).
Bibliography.

No. 3. State Payments to Local Governments (120 p.).

No. 4. Historical Statistics on Governmental Finances and Employment (148 p.).

No. 5. Graphic Summary of the 1972 Census of Governments (56 p.).

- Vol. 7. (State reports; not published because of lack of funds.)
Vol. 8. Guide to 1972 Census of Governments (280 p.).

4. Computer Tapes

The 1972 Census of Governments tapes contain data for each of the local governments (rather than aggregated for the smaller units as they are in the printed reports). The cost is \$80 per reel, including technical documentation.*

GOV:D35 Government Employment Files. The government employment file is subdivided into three separate tape files:

1. File A provides data for each of the approximately 72,270 State and local governmental units identified.
2. File B provides data for each of 3,118 county areas within the United States.
3. File C provides data for each State and the District of Columbia (and includes a U.S. summary) for nine levels:

- State and local governmental total
- State governments
- Local government total
- Local governments in standard metropolitan statistical areas
- Counties
- Municipalities
- Townships
- School districts
- Special districts

Data are given on the number of full-time and part-time employees classified by governmental function; October 1972 payrolls, also classified by governmental function; retirement and insurance coverage extended to full-time employees; and data related to membership in employees organizations.

The entire file is on approximately 17 reels of computer tape.

GOV:D36 Government Finance Files. The government finance files are also subdivided into three separate files corresponding to those listed above for the Government Employment File.

*Note: For further information on the content of the tapes described below, write to: Chief, Governments Division, Bureau of the Census, Washington, D.C. 20233.

For cost estimates and for technical information on the tapes themselves (the format, computer language, etc.), write to: Customer Services Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

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Data are given on revenue from taxes, intergovernmental revenues, service charges, utility charges, expenditures classified by governmental function and by object of expenditure, debt transactions, and cash and security holdings at the close of the fiscal year ended during the period July 1, 1972, to June 30, 1973.

The entire file is on approximately 23 reels.

GOV:M3 Governmental Unit Name and Address File. This file includes each of approximately 73,600 local units, and covers the following:

- Counties
- Municipalities
- Townships
- School districts (both independent school districts and dependent school systems)
- Special districts

The name and location of the seat of governmental activity is given for each of the units of local government (and dependent school systems) enumerated in the 1972 Census.

This file is on one reel of computer tape.

E. Major Data Items Collected in the 1972 Economic Censuses

Item	Economic Censuses					
	Mineral Industries	Manufacturing	Wholesale Trade	Retail Trade	Selected Services	Construction
Number of employees:						
Production (Construction) workers—						
quarterly	X	X				X
All other employees	X	X				X
Total	X	X	X	X	X	X
Payrolls:						
Production (Construction) workers wages	X	X				X
All other employees	X	X				X
Total	X	X	X	X	X	X
Operating expenses including payroll			X			
Supplemental labor costs:						
Legally required	X	X	X ¹	X ¹	X ¹	
Voluntary programs	X	X	X ¹	X ¹	X ¹	
Total	X	X	X ¹	X ¹	X ¹	
Production worker man-hours quarterly	X	X				
Cost of materials, etc.:						
Materials, supplies, etc.	X	X	X ¹			X

Item	Economic Censuses ¹					
	Mineral Industries	Manufacturing	Wholesale Trade	Retail Trade	Selected Services	Construction
Specific materials	X	X				
Products bought and resold	X	X	X ¹			
Fuels consumed	X	X	X ¹			
Specific fuels consumed	X					
Purchased electricity	X	X				X
Contract work	X	X				X
Total	X	X				
Inventories:						
By state of fabrication		X				
Total		X	X			
Capital expenditures:						
New structures and additions	X	X	X ¹	X ¹	X ¹	X
New machinery and equipment	X	X	X ¹	X ¹	X ¹	X
Used plant and equipment	X	X	X ¹	X ¹	X ¹	X ²
Mineral development and exploration	X					
Total	X	X	X ¹	X ¹	X ¹	X
Quantity of electricity:						
Purchased	X	X				
Generated	X	X				
Electricity sold	X	X				
Gross value, fixed assets:						
Buildings and other structures	X	X				X
Machinery and equipment	X	X				X
Mineral properties	X					
Total	X	X	X ¹	X ¹	X ¹	X
Total sales (receipts):			X	X	X	X
Merchandise (commodity) lines			X	X		
Value of shipments or products	X	X				
Specific products	X	X				X
Legal form of organization	X	X	X	X	X	X
Water use	X	X				
Rental payments, total			X ¹	X ¹	X ¹	
Building and structures		X	X ¹	X ¹	X ¹	
Machinery and equipment		X	X ¹	X ¹	X ¹	X

¹ Data collected on a sample basis only. Totals will be available only at the U.S. level. For the census of wholesale trade, sample includes merchant wholesalers only.

² Used plant and equipment collected separately.

F. Other Statistics of Interest to Political Scientists

1. Congressional District Data Book

The Congressional District Data Book presents more than 300 items of information from the 1970 Census and from recent election statistics for each district of the 93rd Congress. Special tabulations from the 1970 Census files were prepared to provide population and housing statistics by congressional district; this publication is the primary source for these data.

For each State there is a map showing congressional districts, counties, and selected cities. There are also detailed inset maps, when necessary, for counties that are split by congressional district boundary lines.

Both the *Congressional District Data Book: 93rd Congress*, and three later separate reports for States that changed their congressional districts prior to the 1974 elections,* include definitions and explanations of the statistics. Sample pages of the section on Minnesota (including the State map, one of the inset maps, and data for congressional districts, excluding the data for places of 10,000 or more inhabitants are reproduced on pages 92 for purposes of illustration.)

2. County and City Data Book

The County and City Data Book presents in one volume a variety of statistical information for counties, standard metropolitan statistical areas (SMSA's), cities, urbanized areas, and unincorporated places. As an aid to researchers the column headings for the tables in the 1972 edition are reproduced on pages 65-72.

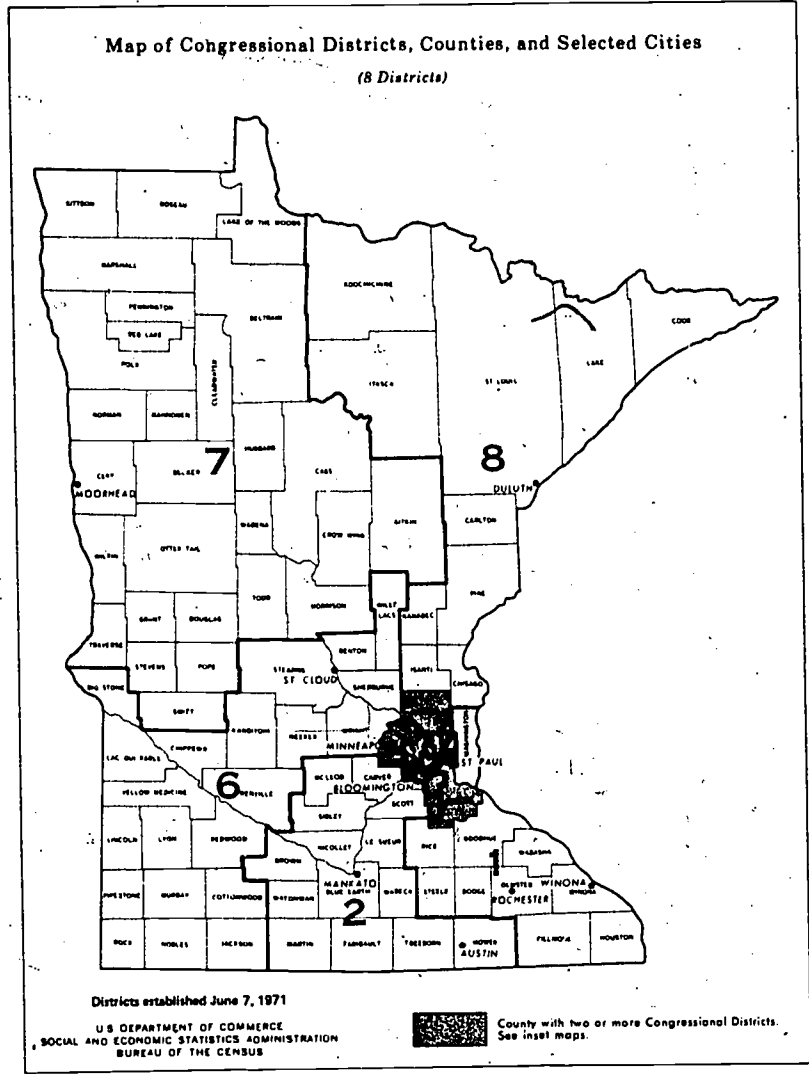
Tapes and punchcards containing the statistics included in the last five editions are available for purchase; for further information write to the Customer Services Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

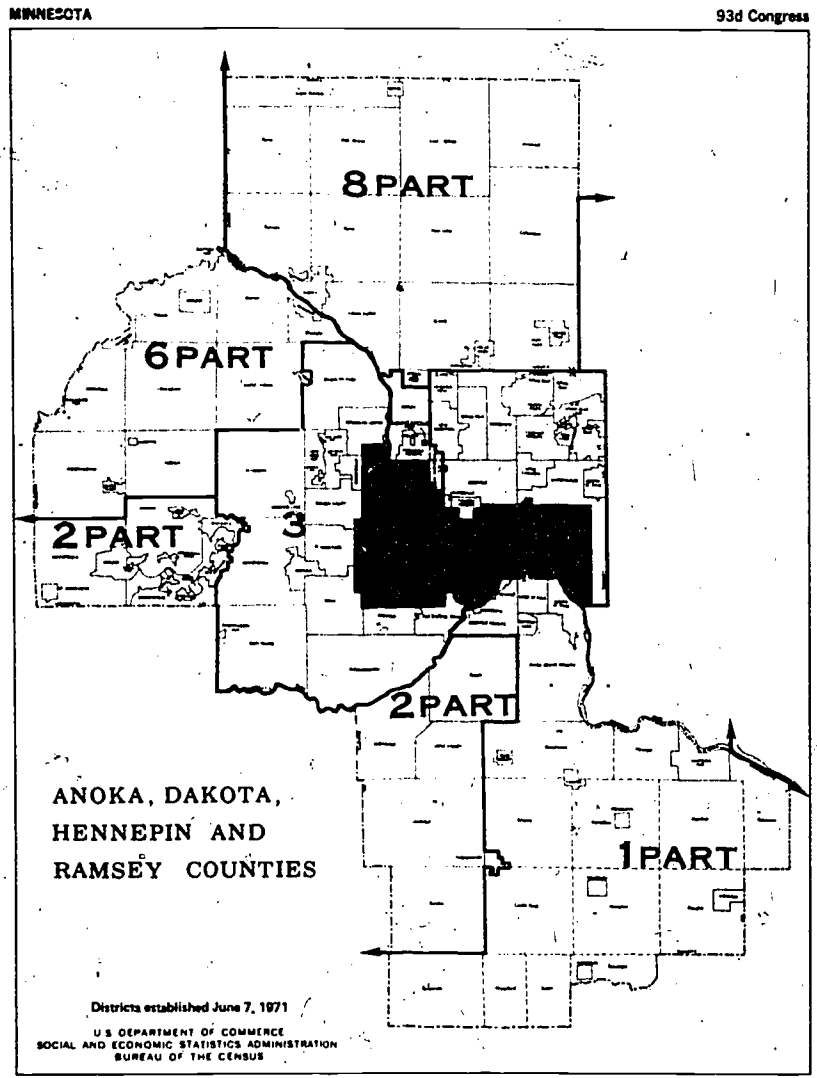
*Texas, California and New York.

MINNESOTA

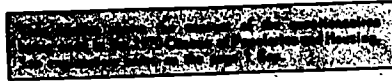
93d Congress

Map of Congressional Districts, Counties, and Selected Cities
(8 Districts)





Appendix A:
1970 Census of Population and Housing:
Informational Questionnaire



UNITED STATES CENSUS

This is your Official Census Form
 Please fill it out and mail it back
 on Census Day, Wednesday,
 April 1, 1970

1.	2.	3.	4.	5.
COPY				
If the address shown above has the wrong apartment identification, please write the correct apartment number or location here:				

How To Fill This Form

1. Use a black pencil to answer the questions.

This form is read by an electronic computer. Black pencil is better to use than ballpoint or other pens.

Fill circles "O" like this: ●

The electronic computer reads every pencil you fill. If you fill the wrong circle, erase the mark completely, then fill the right circle.

When you write an answer, print and write clearly.

2. See the filled-in example on the yellow instruction sheet.

This example shows how to fill circles and write in spaces. If you are not sure of an answer, give the best answer you can.

If you have a problem, look in the instruction sheet.

The instructions are numbered the same as the questions on the Census form.

If you need more help, call the Census office.

You can get the number of the local office from telephone "Information" or "Directory assistance."

U.S. Department of Commerce
 Bureau of the Census
 Form 7-54

3. Your answers are CONFIDENTIAL. The law (Title 13, United States Code) requires that you answer the questions to the best of your knowledge.

Your answers will be used only for statistical purposes and cannot, by law, be disclosed to any person outside the Census Bureau for any reason whatsoever.

The householder should make sure that the information is shown for everyone here.

If a boarder or roomer or anyone else prefers not to give the householder all his information to enter on the form, the householder should give at least his name, relationship, and sex in questions 1 to 3, then mail back the form. A Census Taker will call to get the rest of the information directly from the person.

4. Check your answers. Then, mail back this form on Wednesday, April 1, or as soon afterward as you can. Use the enclosed envelope; no stamp is needed.

Your cooperation in carefully filling out the form and mailing it back will help make the census successful. It will save the government the expense of calling on you for the information.

PLEASE CONTINUE

5. Answer the questions in this order:

Questions on page 2 about the people in your household.

Questions on page 3 about your house or apartment.

6. In Question 1 on page 2, please list each person who was living here on Wednesday, April 1, 1970, or who was staying or visiting here and had no other home.

EXPLANATORY NOTES

This leaflet shows the content of the 1970 census-questionnaires. The content was determined after review of the 1960 census experience, extensive consultation with many government and private users of census data, and a series of experimental censuses in which various alternatives were tested.

Three questionnaires are being used in the census and each household has an equal chance of answering a particular form.

80 percent of the households answer a form containing only the questions on pages 2 and 3 of this leaflet.

15 percent and 5 percent of the households answer forms which also contain the specified questions on the remaining pages of this leaflet. The 15-percent form does not show the 5-percent questions, and the 5-percent form does not show the 15-percent questions. On both forms, population questions 13 to 41 are repeated for each person in the household but questions 24 to 41 do not apply to children under 14 years of age.

The same sets of questions are used throughout the country, regardless of whether the census in a particular area is conducted by mail or house-to-house canvass. An illustrative example is enclosed with each questionnaire to help the householder complete the form.

76 Appendix A

80, 15, and 5 percent (H)

Page 2

1. WHAT IS THE NAME OF EACH PERSON who was living here on Wednesday, April 1, 1970 or who was staying or visiting here and had no other home?		2. HOW IS EACH PERSON RELATED TO THE HEAD OF THIS HOUSEHOLD?		3. SEX
<p><i>Head of the household</i> Prior names: Unmarried children, oldest first Married children and their families Other relatives of the head Person not related to the head</p>		<p><i>Fill one circle</i> 1) "Other relative of head" <i>give exact relationship, for example, mother-in-law, brother, niece, grandson, etc.</i> 2) Other not related to head " <i>give exact relationship, for example, partner, maid, etc.</i></p>		<p><i>Fill one circle</i></p>
1	Last name First name Middle initial	Head of household Wife of head Son or daughter of head Other relative of head— <i>Prior exact relationship</i>	Roomer, boarder, lodger Patient or inmate Other not related to head— <i>Prior exact relationship</i>	Male Female
2	Last name First name Middle initial	Head of household Wife of head Son or daughter of head Other relative of head— <i>Prior exact relationship</i>	Roomer, boarder, lodger Patient or inmate Other not related to head— <i>Prior exact relationship</i>	Male Female
3	Last name First name Middle initial	Head of household Wife of head Son or daughter of head Other relative of head— <i>Prior exact relationship</i>	Roomer, boarder, lodger Patient or inmate Other not related to head— <i>Prior exact relationship</i>	Male Female
4	Last name First name Middle initial	Head of household Wife of head Son or daughter of head Other relative of head— <i>Prior exact relationship</i>	Roomer, boarder, lodger Patient or inmate Other not related to head— <i>Prior exact relationship</i>	Male Female
5	Last name First name Middle initial	Head of household Wife of head Son or daughter of head Other relative of head— <i>Prior exact relationship</i>	Roomer, boarder, lodger Patient or inmate Other not related to head— <i>Prior exact relationship</i>	Male Female
6	Last name First name Middle initial	Head of household Wife of head Son or daughter of head Other relative of head— <i>Prior exact relationship</i>	Roomer, boarder, lodger Patient or inmate Other not related to head— <i>Prior exact relationship</i>	Male Female
7	Last name First name Middle initial	Head of household Wife of head Son or daughter of head Other relative of head— <i>Prior exact relationship</i>	Roomer, boarder, lodger Patient or inmate Other not related to head— <i>Prior exact relationship</i>	Male Female
8	Last name First name Middle initial	Head of household Wife of head Son or daughter of head Other relative of head— <i>Prior exact relationship</i>	Roomer, boarder, lodger Patient or inmate Other not related to head— <i>Prior exact relationship</i>	Male Female
9. If none of all 8 lines make there any other persons in this household?		10. Did you leave anyone out of Question 1 because you were not sure if he should be listed—for example, a new baby still in the hospital or a lodger who also has another home?		11. Did who for in a
Yes No Do not list the others, or will call to get the information		Yes No On back page, give name(s) and reason left out		

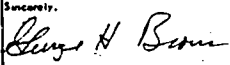
Present

4. COLOR OR RACE <i>Fill one circle</i> 1) "Indian (American)," <i>fill one circle</i> 2) "Other," <i>fill one circle</i>	DATE OF BIRTH				8. WHAT IS EACH PERSON'S MARITAL STATUS? <i>Fill one circle</i>
	5. Month and year of birth and age last birthday <i>Print</i>	6. Month of birth <i>Fill one circle</i>	7. Year of birth <i>Fill one circle for first three numbers</i> <i>Fill one circle for last number</i>		
<input type="radio"/> White <input type="radio"/> Negro or Black <input type="radio"/> Indian (Amer.) <input type="checkbox"/> <i>Print tribe</i>	<input type="checkbox"/> Japanese <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Hawaiian <input type="checkbox"/> Korean <input type="checkbox"/> Other - <i>Print race</i>	Month Year Age	<input type="checkbox"/> Jan <input type="checkbox"/> Apr <input type="checkbox"/> July <input type="checkbox"/> Oct	186 - 192 187 - 193 188 - 194 189 - 195 190 - 196 191 - 197	<input type="checkbox"/> 0 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> Never married <input type="checkbox"/> Widowed <input type="checkbox"/> Divorced <input type="checkbox"/> Separated <input type="checkbox"/> Married
<input type="radio"/> White <input type="radio"/> Negro or Black <input type="radio"/> Indian (Amer.) <input type="checkbox"/> <i>Print tribe</i>	<input type="checkbox"/> Japanese <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Hawaiian <input type="checkbox"/> Korean <input type="checkbox"/> Other - <i>Print race</i>	Month Year Age	<input type="checkbox"/> Jan <input type="checkbox"/> Apr <input type="checkbox"/> July <input type="checkbox"/> Oct	186 - 192 187 - 193 188 - 194 189 - 195 190 - 196 191 - 197	<input type="checkbox"/> 0 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> Never married <input type="checkbox"/> Widowed <input type="checkbox"/> Divorced <input type="checkbox"/> Separated <input type="checkbox"/> Married
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<input type="radio"/> White <input type="radio"/> Negro or Black <input type="radio"/> Indian (Amer.) <input type="checkbox"/> <i>Print tribe</i>	<input type="checkbox"/> Japanese <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Hawaiian <input type="checkbox"/> Korean <input type="checkbox"/> Other - <i>Print race</i>	Month Year Age	<input type="checkbox"/> Jan <input type="checkbox"/> Apr <input type="checkbox"/> July <input type="checkbox"/> Oct	186 - 192 187 - 193 188 - 194 189 - 195 190 - 196 191 - 197	<input type="checkbox"/> 0 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> Never married <input type="checkbox"/> Widowed <input type="checkbox"/> Divorced <input type="checkbox"/> Separated <input type="checkbox"/> Married
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<input type="checkbox"/> Yes <input type="checkbox"/> No <small>Has anyone in Question 1 as proxy from home or hospital, or a visitor or relative?</small>	<input type="checkbox"/> Yes <input type="checkbox"/> No <small>On back page, give name and reason person is away</small>	<input type="checkbox"/> Yes <input type="checkbox"/> No <small>Did anyone stay here on Tuesday, March 31, who is not already listed?</small>		<input type="checkbox"/> Yes <input type="checkbox"/> No <small>On back page, give name of each visitor for whom there is no one at his home address to report him to a census taker.</small>	



Appendix B:
1972 Census of Governments:
Selected Basic Questionnaires

1972 CENSUS OF GOVERNMENTS
Phase 1. Governmental Organization Survey
Report Form, G-28, "Local Government Directory Card
(Municipalities and Townships)" [Small] (front and back)

<p>To municipal and township officials:</p> <p>The Bureau of the Census in connection with its 1972 Census of Governments (authorized by Title 13, Sec. 16) of the U.S. Code) is now bringing up to date its listings of all local governments in the Nation.</p> <p>Please review the mailing address shown on the right for your government, enter the information requested on the reverse of this card, and return the card promptly in the enclosed preaddressed postage-paid envelope. Your assistance will be greatly appreciated.</p> <p>Sincerely,  GEORGE H. BROWN Director Bureau of the Census</p> <p>Enclosure Please complete form on reverse side</p>	<p style="text-align: center;">O.M.B. No. 41-570086, Approval Expires September 30, 1972</p> <p style="text-align: center;">FORM G-28 (11-72)</p> <p style="text-align: center;">U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS</p> <p style="text-align: center;">1972 CENSUS OF GOVERNMENTS LOCAL GOVERNMENT DIRECTORY CARD (Municipalities and Townships)</p> <p>1. Address (Please correct any error in name and address including ZIP code)</p> <p style="text-align: center;">TO: Bureau of the Census, Governments Division Washington, D.C. 20233</p>
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<p>3. Annual Finances - Enter the amounts requested below for the latest fiscal year for which information is available for your government.</p> <p>A. Revenue from -</p> <p>Property taxes</p> <p>Charges</p> <p>State government grants and aids</p> <p>All other revenue (include borrowings)</p> <p>B. Operating expenditures for -</p> <p>Streets and highways</p> <p>Public welfare</p> <p>All other operating expenditures</p> <p>C. Expenditure for construction and improvements</p> <p>D. Amount of long-term debt your government had outstanding at the end of the fiscal year</p>	<p>Amount (Omit cents)</p>	<p>5. Fiscal Year - Enter the ending date of the fiscal year for which the financial data in item 3 are reported.</p> <p>Month/day/year</p>	<p>4. Employment - Number of employees of your government as of October 15, 1971, and their payroll for the entire month of October.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Type</th> <th>Number</th> <th>October payroll (Omit cents)</th> </tr> <tr> <td>Full-time</td> <td></td> <td>\$</td> </tr> <tr> <td>Part-time</td> <td></td> <td>\$</td> </tr> </table>	Type	Number	October payroll (Omit cents)	Full-time		\$	Part-time		\$
Type	Number	October payroll (Omit cents)										
Full-time		\$										
Part-time		\$										
<p>5. Area - Does this government include territory in more than one county?</p> <p><input type="checkbox"/> Yes - List counties _____</p> <p><input type="checkbox"/> No</p>		<p>INFORMATION SUPPLIED BY</p> <p>Name _____</p> <p>Title _____</p>										

1972 CENSUS OF GOVERNMENTS
 Phase 2. Taxable Property Values Survey
 Report Form, GP-33, "Survey of Assessed Valuations"
 (page 2, top and page 3, bottom)

Figures in thousands of dollars.

Part I - STATEWIDE TOTALS OF ASSESSED VALUATIONS FOR LOCAL PROPERTY TAXATION: 1971				Part IA - FULL EXEMPTIONS		Part II - DETAIL OF TAX EXEMPT VALUATIONS, BY TYPE									
Item	1. Gross assessed value including partial exemptions (Col. 2, Part I)	2. Exempt value included in Col. 2	3. Net assessed value (Col. 1 minus Col. 2)	4. Total	5. Exempt value included in Col. 2	6. Item	7. Total	8. For locally assessed real property only (from 7, Part II)							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)							
1. Locally assessed real property, total				All types of exemptions covered by Part I, Col. 5											
a. Land						Homestead exemptions									
b. Improvements						Other exemptions - (Please specify)									
c. Other or unallocable															
2. Locally assessed personal property, total				All types of exemptions covered by Part I-A, Col. 4											
a. Intangible personal property - Stocks and bonds, money and credits, etc., locally assessed						Religious									
b. Tangible personal property, total						Educational									
(1) Motor vehicles						Charitable									
(2) Household personal property - motorized vehicles, clothing, other personal belongings, except motor vehicles, and office, hotel, and other furnishings						Governmental									
(3) Commercial and industrial realties - Successions, etc.						Other									
(4) Commercial and industrial furnishings, machinery and equipment - including and locally assessed utility property included in personal and office, hotel, and resort furnishings															
(5) Agricultural personal property - Livestock, machinery and equipment, other than motor vehicles															
(6) Other and unallocable tangible personal property (locally assessed)															
3. State-assessed property, total (Assessed values set by the State for applications of local property taxes. Exclude any values for property subject solely to State taxation.)				Part III - RELATED SOURCE MATERIALS BEING SUPPLIED											
a. Utilities, total						1. Name	2. Physical location	3. Title or description (If necessary, attach separate listing)							
(1) State-assessed railroad property						(1)	(2)	(3)							
(2) Other State-assessed utility properties (Please specify)															
4. Total, all assessed valuations (Sum of rows 1, 2, and 3)															
Part IV - COUNTY DISTRIBUTION OF ASSESSED VALUATIONS FOR LOCAL PROPERTY TAXATION: 1971				Part IV-A - COUNTY DISTRIBUTIONS, FULL EXEMPTIONS (Col. 6, Part IA)											
County area	Gross assessed value including partial exemptions (Col. 2, Part I)			Exempt value included in gross valuations (Col. 2, Part I)					Local valuations exempted			State assessed value (Col. 3, Part I)	TOTAL	CENSUS 1968 ONLY	
	Locally assessed real property (from 1, Part I)	Locally assessed personal property (from 2, Part I)	State-assessed property (from 3, Part I)	TOTAL	Real property (from 1, Part IA)	Personal property (from 2, Part IA)	Combined or unallocable (from 3, Part IA)	State assessed value (from 4, Part IA)	Real property (from 5, Part IA)	Personal property (from 6, Part IA)	Combined or unallocable (from 7, Part IA)				
Name	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Statewide total (from Part I)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)



1972 CENSUS OF GOVERNMENTS
 Composite Form for Phases 3 (Governmental Employment) and 4 (Governmental Finances)
 Report Form, F-33, "Survey of Local Governmental Finances and Employment,
 Local School and College Systems" (page 1)

Form Approved O.G.S. No. 41-271868
 U.S. DEPARTMENT OF COMMERCE

Data supplied by				Form F-33 11-70-111	
Name				1972 CENSUS OF GOVERNMENTS SURVEY OF LOCAL GOVERNMENTAL FINANCES AND EMPLOYMENT LOCAL SCHOOL AND COLLEGE SYSTEMS	
Title				In establishments pertaining to this report, please refer to the Census File number where your address	
Telephone	Area code	Number	Extension		
Ending date of fiscal year covered by finances report					
Please indicate					
<input type="checkbox"/> June 30, 1972 <input type="checkbox"/> The 12-month period ended between December 31, 1971, and September 30, 1972 Specify <u>7</u>					
(Please correct any error in name and address including ZIP code)					
TO: Bureau of the Census, Government Division Washington, D.C. 20533				1972	

Dear Sir:

A Census of Governments is conducted each 5 years to provide statistics on various subjects, including the finances and employment of local governments throughout the Nation. The published results of this census are widely used by government officials, educators, civic and research organizations, and the general public.

Will you, therefore, please fill out this questionnaire as soon as possible and return the addressed copy in the enclosed preaddressed, postage-paid envelope. The extra copy is for your files.

Your assistance will be very much appreciated.

Sincerely,

George H. Brown

GEORGE H. BROWN
 Director
 Bureau of the Census

Enclosures

Part I - FINANCES
 INSTRUCTIONS AND SUGGESTIONS

Before filling out this part, please read carefully each section and all related definitions and instructions.

Note especially:

1. Please report finance figures for your district's fiscal year which ended June 30, 1972, or between December 31, 1971, and September 30, 1972, and indicate the ending date in the space provided above.
2. Sections I through IV are intended to cover financial amounts for all grade levels provided by your school district. Section V calls for supplemental detail to show the portion of certain sums being reported in Sections I and II which arise from college-level programs of your district.
3. Report gross amounts, except interfund transfers, including the transactions of all funds of your district building funds, debt service funds, cafeteria and school lunch funds, and all other special funds as well as the general fund.
4. Please complete all sections. If some items do not apply to your district, do not merely leave them blank, but enter "None," or a dash (-) in the reporting space provided.
5. Do not delay reporting to await finally audited figures, if substantially accurate figures can be supplied on a preliminary basis.

Please see also Part I on reverse side.

1972 CENSUS OF GOVERNMENTS
 Phase 4. Governmental Finances
 Report Form, F-115, "Survey of State-Administered Public-Employee Retirement Systems"
 (page 1)

O.M.B. No. 41-571049, Approval expires June 30, 1973

Date supplied by			Form F-115			U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS		
Name			1972 CENSUS OF GOVERNMENTS SURVEY OF STATE-ADMINISTERED PUBLIC-EMPLOYEE RETIREMENT SYSTEMS					
Title			In correspondence pertaining to this report, please refer to the Census File number above your address.					
Telephone			(Please correct any error in name and address including ZIP code.)					
Area code	Number	Extension						
Ending date of fiscal year covered by this report (Please provide date for your fiscal year that ended between July 1, 1971 and June 30, 1972, and specify the closing date):								
Month			Year			TO: Bureau of the Census Government Division Washington, D.C. 20233		

Dear Sir:

A Census of Governments is conducted each 5 years to provide statistics on various subjects, including public-employee retirement systems. Accordingly, we are writing to all State and locally administered retirement systems in the Nation to obtain the information called for on this form concerning their finances and membership.

Will you, therefore, please fill out this questionnaire as soon as possible and return the addressed copy in the enclosed official envelope, which requires no postage. The extra copy is for your files.

Your cooperation will be greatly appreciated.

Sincerely,



GEORGE H. BROWN
 Director
 Bureau of the Census

Enclosure

BASIC INSTRUCTIONS AND SUGGESTIONS

Before filling out this form, please read carefully each part, and all related definitions and instructions.

Note especially

1. Please report figures for your system's fiscal year which ended between July 1, 1971 and June 30, 1972, and enter the closing date of the reported fiscal year in the space provided above.

2. Report figures relating to all accounts and reserves of your system, including amounts for retirement, disability, survivors', and other benefits, as well as

any amounts for administration of the system. Exclude transfers between reserves of the system, and also any investment transactions relating to loans to system members.

3. Please complete all parts of the form. If some items do not apply to your system, do not merely leave them blank, but enter "None" or a dash in the reporting space provided.

4. Do not delay reporting to await finally audited figures, if substantially accurate figures can be supplied on a preliminary basis.

Please complete form on page 2

1972 CENSUS OF GOVERNMENTS
Phase 4. Governmental Finances
Report Form, F-115, "Survey of State-Administered Public-Employee Retirement Systems"
 (page 2, top)

Page 2

Part I - RETIREMENT SYSTEM COVERAGE

A. TYPE OF COVERAGE - Which of the items below best describes the kinds of employees to whom active membership in your system is available? Please mark applicable items.

General coverage - All employees (or all regular or full-time employees), as indicated below:

State employees only

State and local government employees

Local government employees only

Subject only to the following exclusions - Specify _____

School employees - Including nonteaching personnel as well as teachers.

Teachers only - Instructional staff (including supervisory personnel, but not other school employees).

Police only

Other specific group(s) as follows - Specify _____

B. BASIS OF MEMBERSHIP - Specify

System coverage applies automatically to eligible employees

Coverage applies automatically to most eligible employees, but with membership optional for certain classes, as follows:

System coverage is optional (by employee choice) for all eligible employees

Part II - FINANCES OF SYSTEM, FISCAL YEAR

Please report below, all cash receipts and payments of your system for its fiscal year that ended between July 1, 1971 and June 30, 1972, and its cash and security holdings as of the end of that period. Include figures relating to all accounts and reserves of your system, including receipts from all sources and payments for retirement, disability, survivors' and other benefits, as well as any amounts for administration of the system. Exclude transfers between reserves of the system, and also any investment transactions, or transactions relating to loans to system members.

	Amount (Omit cents)
A. RECEIPTS - Exclude amounts received from sale of investments, and from repayment of loans made to members.	
1. Employee contributions - Total amounts contributed by all member employees or withheld from their salaries for financing of benefits.	x82
a. State employees - From employees of the State government, including employees of State colleges and other State institutions and agencies.	
b. Local employees - From employees of counties, cities, local public schools, and other local government agencies.	x81
2. Government contributions - Total amounts received from State and local governments for financial support of your system, including any taxes credited directly to the system and amounts appropriated for administration.	x85
a. State contributions - From State government, including State colleges and other State institutions and agencies.	
b. Local governments - From counties, cities, local public schools, and other local government agencies.	x83
3. Earnings on investments - Interest, dividends, and rents received, and other earnings on investments (e.g., net gains on investments, if recorded as receipts of the system)	x86
If total amount includes rentals from any State fund or agencies, show such receipts here _____	
4. Other receipts - Please list below	
a. Any amounts for transmittal to Federal OASDI System	
b. Net proceeds from benefit entertainments, gifts, and the like	
c. Other - Specify _____	
Total, items 4a to 4c	

1972 CENSUS OF GOVERNMENTS
 Phase 4. Governmental Finances
 Report Form, F-115, "Survey of State-Administered Public-Employee Retirement Systems"
 (page 2, bottom)

B. Payments - Exclude amounts paid out for purchase of investments and for loans made to members.				
1. Benefits paid to former active members or their beneficiaries				
a. Periodic benefits for retirement on account of age or service				
b. Periodic benefits for retirement on account of disability				
c. Periodic payments made to survivors				
d. Lump-sum (nonrecurrent) payments made to survivors			X11	
Total, items 1a to 1d			X11	
2. Withdrawals - Amounts paid to members or former active members representing return of contributions of such members, and any interest on such amounts.				
3. Other payments - Please list below				
a. Administrative expenses				
b. Any amounts transmitted to Federal GASDI System				
c. Net losses on investment transactions, if recorded as expenses of your system				
d. Construction or acquisition of property - Specify				
e. Other - Specify				
Total payments, items 3a to 3e			X12	
C. CASH AND SECURITIES AND REAL PROPERTY HOLDINGS - Please indicate the basis for the amounts reported (preferably, par value for bonds and book value for stocks)				
	Amount as of fiscal year	Reporting Basis (Please mark each line)		
		Par value	Market value	Cost or book value
1. Cash and deposits - Cash on hand and demand, and time or savings deposits.	X21			
2. Federal securities - U.S. Treasury obligation, including short-term notes (exclude securities of Federal Land Banks, mortgages guaranteed by GNMA, and the like, see items 6 and 7).	X30			
3. Securities of State and local governments and their agencies	X35			
4. Corporate bonds (preferably at par value) - include debentures.	X40			
5. Corporate stocks (preferably at book value)	X42			
6. Mortgages - Report obligations of agencies which guarantee mortgage, at item 7.	X44			
7. Other - include loans to members, securities of foreign governments, Federal Land Banks, and the like, exclude real property	X44			
8. Total cash and security holdings - sum of items 1 to 7, above				
9. Value of any investment in buildings and other real property				

FORM F-115 (1971)

Please continue form on page 3

USCOW-DC

1972 CENSUS OF GOVERNMENTS
 Phase 4. Governmental Finances
 Report Form, F-115, "Survey of State-Administered Public-Employee Retirement Systems"
 (page 3)

Page 3

Part III - MEMBERSHIP AND BENEFICIARIES

Please report the figures requested below, as of the last month of your fiscal year reported above, or the month nearest to that permitted by your records. If detailed figures are lacking for an item, please enter an estimate and mark it with an asterisk (*).

Item	Number (a)	Amounts paid during month (b)
A. MEMBERS OF YOUR RETIREMENT SYSTEM (Exclude beneficiaries)		
1. Active members of your system (current contributors):		
a. Employed by your State government (including State institutions and agencies)		
b. Employed by local governments (including local agencies)		
Total active members - items 1a plus 1b		
2. Inactive members - Former employees and employees on military or other extended leave without pay, but having retained retirement credits. Report below, under B, former active members who are receiving retirement benefits.		
B. BENEFICIARIES RECEIVING PERIODIC BENEFIT PAYMENTS DURING MONTH		
1. Former active members of system, retired on account of age or service		
2. Former active members of system, retired on account of disability		
3. Survivors of deceased former active members (In column (a), report number of payees.)		
C. RECIPIENTS OF LUMP-SUM PAYMENTS DURING MONTH REPORTED		
1. Withdrawals and other one-time payments (other than loans) made to present or former members of system		
2. Lump-sum (nonrecurrent) payments made to survivors of deceased former active members		
D. ENTER HERE THE MONTH AND YEAR TO WHICH FIGURES REPORTED ABOVE APPLY		Month: _____ Year: _____
E. PLEASE INDICATE HERE THE FREQUENCY WITH WHICH PERIODIC PAYMENTS ARE MADE TO BENEFICIARIES OF YOUR SYSTEM. (Mark one)		
<input type="checkbox"/> Monthly <input type="checkbox"/> Other - Please explain: _____ <input type="checkbox"/> Quarterly		
F. COVERAGE UNDER OASDHI - Please indicate whether any of the active members (current contributors) you have reported as A1 above, were also covered under the Federal Old Age, Survivors, Disability, and Health Insurance program, in connection with their governmental employment.		
<input type="checkbox"/> All active members, also covered by OASDHI <input type="checkbox"/> None of the active members, as such, covered by OASDHI <input type="checkbox"/> Some, but not all, active members, as such, also covered by OASDHI; how many of your active members (current contributors) during the month reported at A1, above, were also covered under OASDHI? _____		
SUPPLEMENTARY INFORMATION - Please use this space to explain any items that were difficult to classify, or to provide additional information concerning any of the entries on the form.		

Form F-115 (Rev. 6-67) Please review the form before transmitting the original to the Bureau of the Census

Appendix C: Answers to the Exercises in Chapter IV of the Student Manual

Answers for Exercises 1-4

Answers to Exercise 1, *National Elections*

- a (1). Johnson (61.1 percent)
- a (2). Roosevelt (60.8 percent, in 1936)
- b (1). Taft (23.2 percent, in 1912)
- b (2). Davis (28.8 percent)
- c (1). 1964 (99.522 percent)
- c (2). 1940 (99.521 percent)
- c (3). 1912 (65.1 percent)
- c (4). 1924 (82.9 percent)
- d. 18
- e. 1942 and 1946 (Note: In 1950 both Republican and Democratic Representatives received 49.0 percent of the votes cast.)

Answers to Exercise 2, *Black-Owned Businesses*

	a. All Black-Owned Firms	b. Retail Trade	c. Transportation and Public Utilities	d. Selected Services
(1)	\$4,474,000,000	\$1,932,000,000	\$211,000,000	\$ 663,000,000
(2)	\$7,168,000,000	\$2,926,000,000	\$425,000,000	\$1,054,000,000
(3)	60%	51%	105%	59%
(4)	163,072	45,220	16,733	56,077
(5)	194,986	56,617	21,738	68,469
(6)	20%	25%	13%	22%
(7)	151,996	55,159	7,520	38,182
(8)	196,596	58,326	10,714	49,102
(9)	29%	6%	42%	29%
(10)	16% (16.35%)	8% (7.75%)	22% (21.57%)	13% (13.42%)

Some correct answers to the questions

2-1. Yes and no. The figures indicate that there were increases in the number of black-owned firms and in the number of their paid employees,

but these increases were not nearly as large as the increases in receipts.

2-2. One aspect of the situation appears discouraging. A large part of black-owned business represents self-employment in the service industries and retail trade. This may reflect lack of employment opportunity in higher waged industries and occupations rather than an increase in either income or social status for many of these owners of businesses.

2-3. The question calls for an opinion, and is intended to stimulate thought and discussion and possibly additional research. There probably are no clear and certain answers to the problem.

Answers to Exercise 3, *Government Employment and Payrolls*

- a. The correct figures are shown in the table below. The table might be set up differently, and the absolute figures as well as the percentages might be shown.

**Increase in Local Government Employment and Payrolls, 1965-1973
(Percent)**

Area	Employment	Payrolls
Central City	67.3	127.0
All U.S. Municipalities	28.7	126.8
All Other Local Governments	38.7	130.9

Source: U.S. Bureau of the Census, *Public Employment*, annual (as shown in *Statistical Abstract of the United States, 1974*, issued by the same agency).

- b. Comments on the table above should include at least the following:
- (1) Government employment in Central City increased more than twice as much as government employment in all U.S. municipalities combined, and increased considerably more than that of all local governments other than municipalities.
 - (2) Payrolls for government employment in Central City increased no more than that of all U.S. municipalities combined, and less than that of all local governments other than municipalities.
 - (3) Since there has been a great increase in the number of employees of Central City, and a fairly low increase in the total payroll, the salaries of Central City employees have not increased nearly enough in comparison with those of local government employees in general—unless they were much higher in 1965 than other local government salaries.
- c. The correct percentages are shown in the table below. All of the figures might be presented in text, as might the information in the title and source note; the exercise does not specifically call for a table. If figures are shown in a table, it might be set up differently, the column for

"Total payrolls" might be omitted, and the absolute figures as well as the percentages might be shown.

Percent of Total Payrolls of Central City and of All Local Governments Spent for Selected Services, 1973

Area	Total Payrolls	Fire Protection	Police Protection	Sanitation and Sewerage
Central City	100	5.0	10.0	2.5
All Local Governments	100	3.6	7.1	2.5

- d. Comments on the table above should include at least the following: The proportion of the payroll of Central City that is devoted to fire protection is 38.9 percent greater than the average for all municipalities in the United States.

Answers to questions

- 3-1. The comparisons neither support nor negate the contention that the firemen of Central City should have a pay increase.

Answers to Exercise 4, School-Age Population

Answers to assignment

- a. Increase of 9,112,000, or more than 9 million, or from 42,533,000 to 51,645,000, or 21.4 percent
- b (1). 3.5 percent average annual increase
b (2). 2.5 percent average annual decrease
- c (1). 23.0 percent
c (2). 28.3 percent
c (3). 24.3 percent
- d (1). Decrease of 2,239,000, or 11.8 percent
d (2). Decrease of 1,410,000 or 8.4 percent
d (3). Increase of 700,000, or 4.3 percent

Answers to questions

4.1. The legislator was correct in saying that the school-age population has decreased in the last few years and that it will decrease in the future (unless there is a large influx of school-age children into the country.)

4.2. An expansion of State Teachers College now almost certainly would just encourage an over supply of teachers. The population of an age to attend the Teachers College can be expected to increase between 1974 and 1980, but the population that graduates will teach is declining.