Appendix E. Data Products and User Assistance

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CENSUS 2000 DATA PRODUCTS

The decennial census yields a wealth of data that have virtually unlimited applications.

Figure E-1 at the end of this chapter provides a complete list of Census 2000 data products.

Detailed results of Census 2000 will be in five data products (redistricting files, Summary

File 1, Summary File 2, Summary File 3, and Summary File 4) that can be accessed through the

Internet, and on CD-ROM or DVD. Several related electronic or print products include Demographic

Profiles of most geographic areas; Quick Tables (available on American Factfinder) that allow users

to choose from table shells, then specify the geographic area and the universe or population subgroup (such as the African American or the Hispanic population); and Geographic Comparison

Tables (available on American Factfinder) that enable users to compare key data items across geographic areas. In addition, there will be three series of reports available in print and in Portable

Document Format (PDF) on the Internet.

Internet. For access to Census 2000 information, select American FactFinder™ on the Census Bureau's home page (www.census.gov). Generally, most data products are released first on the Internet, followed by subsequent releases in other media.

CD-ROM and DVD. Most Census 2000 tabulations and maps will be available on CD-ROMs and/or DVDs. Viewing software will be included on most CDs. CD-ROMs may be ordered by phone through the Census Bureau's Customer Services Center on 301-457-4100, or via e-commerce by selecting Catalog from the Census Bureau's home page. For more information on ordering options, access the product order form at http://www.census.gov/mp/www/rom/ordform1.html.

Printed reports. These reports will be sold through the U.S. Government Printing Office. Much of the information in these series will be available earlier in other data products.

Internet and CD-ROM/DVD Products

Note: Many of the release dates are preliminary and may be revised.

Census 2000 Redistricting (Public Law 94-171) Summary File. The first Census 2000 data files to be released are the information required for local redistricting. The data include tabulations by 63 race categories, cross-tabulated by not Hispanic or Latino for the total population and the population 18 years old and over. These tabulations are presented for areas as small as blocks, census tracts, and voting districts. They are available through the Internet and two CD-ROM series (state and national files).

Released: March 2001

Summary File 1 (SF 1). This file presents counts and basic cross-tabulations of information collected from all people and housing units. This includes age, sex, race, Hispanic or Latino origin, household relationship, and tenure (whether the residence is owned or rented). Data are available down to the block level for many tabulations, but only to the census-tract level for others. Summaries are also included for other geographic areas such as ZIP Code® Tabulation Areas (ZCTAs™) and Congressional Districts. Individual state files and two national files are released. The second national release provides the first available urban and rural data. Summary File 1 is available on the Internet and on CD-ROM.

Related products include Demographic Profiles giving a snapshot of the geographic area, Quick Tables, Geographic Comparison Tables, and two printed report series, Summary Population and Housing Characteristics (PHC-1) and Population and Housing Unit Totals (PHC-3).

Planned release dates (States): June–September 2001 (Advance National File): November–December 2001 (Final National File): May–June 2002

Summary File 2 (SF 2). This file will present data similar to the information included in Summary File 1, but the tables in this file are iterated for a selected list of race and Hispanic or Latino categories and for American Indian and Alaska Native tribes. These data will be shown down to the census tract level as the lowest geographic level for various race and ethnic categories that meet a specified minimum population size threshold. It will be available on the Internet and on CD-ROM

Planned release dates (States): September-December 2001 (Advance National File): March-April 2002 (Final National File): June-July 2002

Summary File 3 (SF 3). This file is the first release of the information collected on a sample basis. It will include population counts for ancestry groups. Data will be provided down to the block group for many tabulations but only down to the census tract for others. There will be individual releases of each state and a single national volume. It will be available on the Internet and on CD-ROM. SF 3 will also include data by ZCTAs and Congressional District.

Related products include Demographic Profiles; Quick Tables; Geographic Comparison Tables; and a printed report series, Summary Social, Economic, and Housing Characteristics (PHC-2).

Planned release date: June 2002-September 2002

Summary File 4 (SF 4). This file includes tabulations of the population and housing data collected from a sample of the population. Just as in Summary File 2, the tables on SF 4 will be iterated for a selected list of race and Hispanic or Latino groups, for American Indian and Alaska Native tribes, as well as for ancestry groups. It will be available on the Internet and on CD-ROM. Various Quick Tables and Geographic Comparison Tables will be derived from Summary File 4.

Planned release date: October 2002–February 2003

Microdata. Microdata products allow users to prepare their own customized tabulations and cross tabulations of most population and housing subjects, using specially prepared microdata files. These files are the actual responses to census questionnaires, but with names or addresses removed and the geography sufficiently broad to protect confidentiality.

Public Use Microdata Sample (PUMS) Files. Two PUMS files are planned: a 1-percent sample that will allow tabulations for metropolitan areas and a 5-percent sample that will provide information for state and substate areas. The release will be made available on CD-ROM.

Planned release date: 1-percent file: 2002 5-percent file: 2003 **Advanced Query Function.** Users of the American FactFinder will be able to prepare tabulations online using the full database of individual responses, subject to restrictions and filters required to protect the confidentiality of individual responses. The availability of this function is subject to policy decisions on access and confidentiality.

Planned release date: December 2002-March 2003

Printed Reports

There will be three series of printed reports with one report per state and a national summary volume.

Summary Population and Housing Characteristics (PHC-1). This publication will include information only on the 100-percent population and housing subjects. The data will be available for the U.S., regions, division, states, counties, county subdivisions, places, metropolitan areas, urban areas, American Indian and Alaska Native areas, and Hawaiian home lands. This series is comparable to the 1990 CPH-1 report series, Summary Population and Housing Characteristics. It also will be available on the Internet.

Planned release date: January 2002-November 2002

Summary Social, Economic, and Housing Characteristics (PHC-2). This publication will include information on the sample population and housing subjects. Data will be shown for the same geographic areas as mentioned for the previous printed report series. This series is comparable to the 1990 CPH-5 report series, Summary Social, Economic, and Housing Characteristics. It will be available on the Internet

Planned release date: 2003

Population and Housing Unit Totals (PHC-3). This publication includes population and housing unit totals for Census 2000 as well as the 1990 and 1980 censuses. Information on area measurements and population density will be included. This series will include one printed report for each state plus a national report; it also will be available on the Internet.

Planned release date: 2003

Profiles and Other Data Tables. The demographic profiles, quick tables, and geographic comparison tables include predefined sets of data to meet the needs of the majority of data users. They are convenient and readily available sources when moderate subject and geographic detail is needed. (See Figure E-1 for more information.)

MAPS AND GEOGRAPHIC PRODUCTS

A variety of maps, boundary files, and other geographic products will be available to help users locate and identify geographic areas. These products will be available in various media, such as the Internet, CD-ROM, DVD, and, in the case of maps, as print-on-demand products. (See Figure E-2.)

TIGER/Line® Files. These files contain geographic boundaries and codes, streets, address ranges, and coordinates for use with geographic information systems for mapping and other applications.

Released: March 2001

Census Block Maps. These maps show the boundaries, names, and codes for American Indian/Alaska Native areas, and Hawaiian home lands, states, counties, county subdivisions, places, census tracts, and census blocks. This map series will also be produced by specified governmental units (e.g., American Indian and Alaska Native areas, Hawaiian home lands, counties, incorporated places, and functioning minor civil divisions).

Released: March 2001-September 2001

Census Tract Outline Maps. These county maps show the boundaries and numbers of census tracts and names of features underlying the boundaries. They also show the boundaries, names, and codes for American Indian and Alaska Native areas, counties, county subdivisions, and places.

Released: March 2001

Reference Maps. This series of tabulation reference map types shows the boundaries for tabulation areas including: states, counties, American Indian reservations, county subdivisions (MCDs/CCDs), incorporated places, and census-designated places. This series includes the state and county subdivision outline maps, urbanized area maps, and metropolitan area maps. These maps vary in size from wall to page size.

Planned release date: 2001-2003

Generalized Boundary Files. These files are designed for use in a geographic information system (GIS) or similar computer mapping software. Boundary files are available for most levels of census geography.

Planned release date: 2001-2002

Statistical Maps. Census 2000 data will be displayed on colorful maps on such topics as population density and population distribution.

Planned release date: 2001-2003

REFERENCE MATERIALS

The bulk of the reference materials for Census 2000 are available at the Census Bureau's Internet site (www.census.gov) or, in the case of CD-ROMs, files on the media itself.

Census Online Catalog. Census 2000 data products, including the projected dates of availability and their prices, are described in the Catalog portion of the Web site. When products become available, the release date is noted. The catalog can be reached from the www.census.gov home page by selecting Catalog from the side bar.

American FactFinder. American FactFinder (AFF) presents data from Census 2000 as well as other data programs via the Internet. Reference materials about the data, including subject and geographic glossaries, are available by selecting Data Sets in the subject bar along the left side of the AFF home page. The AFF home page URL is factfinder.census.gov/. It also can be reached from www.census.gov by selecting American FactFinder in either the *Subjects A to Z* side bar or by directly selecting the *American FactFinder* side bar. Both bars are located on the left side of the screen.

Technical Documentation. Electronic media, such as CD-ROMs and DVDs, include a technical documentation file on the disc. Technical documentation includes an abstract, a how-to-use chapter, the table layouts, the summary level sequence chart, the subject and geographic glossaries, accuracy of the data, and the data dictionary. Technical documentation for files released on CD-ROM/DVD are available on the website at http://www.census.gov/prod/www/abs/decenial.html.

SOURCES OF ASSISTANCE

U.S. Census Bureau. The Census Bureau's Customer Services Center sells the Census 2000 CD-ROM and DVD products. These can be ordered via e-commerce from the Catalog portion of the Census Bureau's home page (www.census.gov) or by telephoning Customer Services at 301-457-4100.

The Census Bureau also has an active customer information program in each of its 12 regions. This program, called the Partnership and Data Services (PDS) program, provides information about Census Bureau statistics and offers training and assistance to data users. The Partnership and

Data Services specialists in the Census Bureau's 12 Regional Offices answer thousands of questions each year. State coverage for each region as well as contact information is available at http://www.census.gov/contacts/www/c-regoff.html.

Superintendent of Documents, U.S. Government Printing Office (GPO) (www.gpo.gov) handles the sale of most of the federal governments publications, including Census 2000 reports. The GPO online bookstore is available at http://bookstore.gpo.gov/index.html. For the current information on ordering publications from GPO, see http://bookstore.gpo.gov/prf/ordinfo.html.

State Data Centers. The Census Bureau furnishes data products, training in data access and use, technical assistance, and consultation to all states, the District of Columbia, Guam, Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, and the Northern Mariana Islands. State Data Centers (SDCs), in turn, offer publications for reference, printouts from computer tape, specially prepared reports, maps, and other products and assistance to data users. A component of the program is the Business and Industry Data Center (BIDC) Program, which supports the business community by expanding SDC services to government, academic, and nonprofit organizations that directly serve businesses. For a list of SDC/BIDCs, including their services and their Websites, access http://www.census.gov/sdc/www/.

Census Information Centers. The Census Information Center (CIC) program is a cooperative activity between the Census Bureau and 59 national nonprofit organizations representing interests of racial and ethnic communities to make census information and data available to the participating organizations for analysis and policy planning and for further dissemination through a network of regional and local affiliates. For a listing of the organizations and the contacts, access http://www.census.gov/clo/www/cic.html.

Both the SDC and CIC programs are administered by the Census Bureau's Customer Liaison Office. For more information on programs of that office, access http://www.census.gov/clo/www/clo.html.

Figure E-1. Census 2000 Data Products at a Glance (Revised: 04/16/01)

Planned release date (Dates in this column refer to the first medium of release)	100-percent data products	Lowest level geography
Released MAR 7 - 30, 2001	Census 2000 Redistricting Data Summary File State population counts for race and Hispanic or Latino categories Media: Internet, CD-ROM, DVD	Blocks
MAY – JUN 2001	Demographic Profile • Selected population and housing characteristics in a single table Media: Internet, CD-ROM/DVD (available w/Summary File 1), paper	Places Census tracts (Internet only)
MAY 2001	Census 2000 Housing Unit Counts Media: Internet	Places
MAY – JUN 2001	Congressional District Demographic Profile Same as Profile (described above) but for Congressional Districts Media: Internet, CD-ROM/DVD (available w/Summary File 1), paper	Congressional Districts of the 106th Congress
JUL 2001	Race and Hispanic or Latino Summary File on CD-ROM Medium: Internet (FTP only), CD-ROM	Places
States: JUN – SEP 2001	Summary File 1 (SF 1): • Population counts for 63 race categories and Hispanic or Latino	Blocks
Advance national: NOV – DEC 2001	Population counts for many detailed race and Hispanic or Latino categories, and American Indian and Alaska Native tribes	Census tracts
Final national: MAY – JUN 2002	Selected population and housing characteristics. [Urban/rural data are on the final national file—this is the only difference from the advance national file] Media: Internet, CD-ROM, DVD	Blocks/Census tracts
States: SEP – DEC 2001 Advance national: MAR – APR 2002 Final national: JUN – JUL 2002	Summary File 2 (SF 2): Population and housing characteristics iterated for many detailed race and Hispanic or Latino categories, and American Indian and Alaska Native tribes [Urban/rural data are on the final national file—this is the only difference from the advance national file] Media: Internet, CD-ROM, DVD	Census tracts
States: APR – DEC 2001 National:	Quick Tables Table shells with population and housing characteristics where the user can specify a geographic area and a population group	Census tracts
NOV 2001 – APR 2002	Media: Internet, CD-ROM, DVD	
States: APR 2001 – JAN 2002 National: DEC 2001 – AUG 2002	Geographic Comparison Tables Population and housing characteristics for a list of geographic areas (e.g., all counties in a state) Media: Internet, CD-ROM, DVD	Places
SEP – DEC 2001 (Release subject to policy decisions on access and confidentiality)	Advanced Query Function User specifies contents of tabulations from full microdata file Includes safeguards against disclosure of identifying information about individuals and housing units Medium: Internet	User defined down to block groups
JAN – NOV 2002	Summary Population and Housing Characteristics (PHC-1) Media: Internet, paper (printed report)	Places
2003	Population and Housing Unit Totals (PHC-3) Media: Internet, paper (printed report with selected historical counts)	Places

Figure E-1. Census 2000 Data Products at a Glance (Revised: 04/16/01)-Con.

Planned release date (Dates in this column refer to the first medium of release)	Sample data products	Lowest level geography
MAR – MAY 2002	Demographic Profile • Demographic, social, economic, and housing characteristics	Places
	presented in three separate tables Media: Internet, CD-ROM/DVD (available w/Summary File 3), paper	Census tracts (Internet only)
MAR – MAY 2002	Congressional District Demographic Profile Demographic, social, economic, and housing characteristics presented in three separate tables for Congressional Districts only Media: Internet, CD-ROM/DVD (available with Summary File 3), paper	Congressional Districts of the 106th Congress
JUN – SEP 2002	Summary File 3 (SF 3) • Population counts for ancestry groups	Census tracts
	Selected population and housing characteristics Media: Internet, CD-ROM, DVD	Block groups/ Census tracts
OCT 2002 – FEB 2003	Summary File 4 (SF 4) Population and housing characteristics iterated for many detailed race and Hispanic or Latino categories, American Indian and Alaska Native tribes, and ancestry groups Media: Internet, CD-ROM, DVD	Census tracts
JUN 2002 – FEB 2003	Quick Tables Table shells with population and housing characteristics where the user can specify a geographic area and a population group Media: Internet, CD-ROM, DVD	Census tracts
JUL 2002 – MAR 2003	Geographic Comparison Tables Population and housing characteristics for a list of geographic areas (e.g., all counties in a state) Media: Internet, CD-ROM, DVD	Places
For 1-percent sample: 2002	Public Use Microdata Sample (PUMS) Files 1-percent sample (information for the nation and states, as well as substate areas where appropriate)	Super Public Use Microdata Areas (Super-PUMAs) of 400,000+
For 5-percent sample: 2003	5-percent sample (information for state and substate areas) Media: CD-ROM, DVD	PUMAs of 100,000+
DEC 2002 – MAR 2003 (Release subject to policy decisions on access and confidentiality)	Advanced Query Function • User specifies contents of tabulations from full microdata file	User defined down to census tracts
	Includes safeguards against disclosure of identifying information about individuals and housing units Medium: Internet	
2003	Summary Social, Economic, and Housing Characteristics (PHC-2) Media: Internet, paper (printed report)	Places
2003	Congressional District Data Summary File 100-percent and sample data for the redistricted 108th Congress Media: Internet, CD-ROM, DVD	Census tracts within Congressional Districts
	<u>I</u>	<u> </u>

GENERAL — Census 2000 data products are designed to meet a variety of data needs for different segments of the data user community. The data products described here provide a summary of the general tabulation and publication program for the 50 states, the District of Columbia, and Puerto Rico (which is treated as a state equivalent for each data product). Please note that constraints with staffing and budget, federal guidelines regarding the tabulation of data by race and ethnicity, data processing, or other considerations may result in changes to the types of data products prepared or the timing of their release. For more information on Census 2000 data products, please call Customer Services on 301-457-4100. For updates to this chart, contact webmaster@census.gov.

Census 2000 Geographic Product Highlights

http://www.census.gov/geo/www/geo_flyer.pdf



CENSUS 2000 BLOCK MAPS

Paper available: 2nd quarter 2001 PDF files available: 3rd quarter 2001

The Census Bureau's block maps show the greatest detail and most complete set of geographic information. These large-scale maps depict the smallest geographic entities for which the Census Bureau presents data--the census blocks--by displaying the features that form block boundaries and the numbers that identify them. The intent of this map series is to produce a map for each governmental unit (e.g. American Indian areas/Alaska Native areas/Hawaiian home lands, county, place, and functioning minor civil division) on the smallest possible number of map sheets at the maximum practical scale. Lowest level of geography: Census Block. Media: DVD, Internet (PDF), CD-ROM (custom order only) and paper. [Formats: PDF; SIZE: 36" x 33"]

CENSUS 2000 TIGER/LINE®FILES Internet available: 2nd quarter 2001 DVD available: 2nd quarter 2001

This is the public version of the Census Bureau's digital database of geographic features for the United States and the U.S. Island Areas. The database is called TIGER®, which is the source of all Census Bureau geographic products. The TIGER/ Line files include the January 1, Census 2000 governmental unit boundaries, Census 2000 statistical area boundaries, Census 2000 tabulation block numbers, address range enhancements, feature updates from Census 2000 enumeration and ZIP Code® Tabulation Areas (ZCTAs™). Record layouts available now on Web site at URL: http://www.census.gov/geo/www/tiger/index.html Media: DVD, Internet and CD-ROM (custom order only). [Format: ASCII]

CENSUS 2000 CENSUS TRACT OUTLINE MAPS Paper available: 1st quarter 2001

PDF files available: 2nd quarter 2001
These county maps show the boundaries and numbers of the census tracts, and name the features underlying the boundaries. They also show the boundaries, names, and codes for American Indian areas/ Alaska Native areas/Hawaiian home lands, counties, county subdivisions, and places. Media: DVD, Internet (PDF), CD-ROM (custom order only) and paper.

[Formats: PDF; SIZE: 36" x 33"]



CENSUS 2000 COUNTY BLOCK MAPS

(P.L. 94-171 Redistricting Product)
Paper available: 1st quarter 2001
DVD available: 2nd quarter 2001
PDF files available: 2nd quarter 2001

County Block Maps are essentially the same type of map as the Census 2000 Block Maps described above except that they are created for each county unit and they have the voting district boundaries. The maps show the boundaries, names and codes for American Indian areas/Alaska Native areas/Hawaiian home lands, county divisions, places, voting districts, census tracts, block groups, and census blocks. Media: DVD, Internet (PDF), CD-ROM (custom order only) and paper. [Formats: PDF; SIZE: 36" x 33"]

REDISTRICTING CENSUS 2000 TIGER/Line® Files Internet: 1st quarter 2001 DVD available: 2nd quarter 2001

The first release of the Census 2000 TIGER/Line files is specifically intended to support the needs of the redistricting community. Because of the timing of this release, it will **NOT** include the ZIP Code® Tabulation Areas (ZCTAs™) nor all of the final Census 2000 address range information. The following areas will not be included in this release: American Samoa, Guam, Northern Mariana Islands, U.S. Minor Outlying Islands (Midway) and the U.S. Virgin Islands. Media: DVD, Internet and CD-ROM (custom order only). [Format: ASCII]

CENSUS 2000 VOTING DISTRICT/STATE LEGISLATIVE DISTRICT OUTLINE MAPS

(P.L. 94-171 Redistricting Product)
Paper available: 1st quarter 2001
PDF files available: 2nd quarter 2001

These county-based maps show the boundaries and codes for Voting Districts as delineated by the participating states in Phase 2, Voting District Project, of the Redistricting Data Program; the features underlying these boundaries; and the names of these features. Additionally, for states that submitted the information. these maps show the boundaries and codes for state legislative districts and their underlying features. These maps also show the boundaries and names of American Indian areas/Alaska Native areas/Hawaiian home lands, counties, county subdivisions, and places. The maps will be available only for those states and counties where information was provided under the Voting District Project. Media: DVD, Internet (PDF), CD-ROM (custom order only) and paper.

[Formats: PDF; SIZE: 36" x 33"]

URL for sample maps: http://www.census.gov/ftp/pub/geo/DR/dr_geopr.html

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U.S. Department of Commerce Economics and Statistics Administration U.S. CENSUS BUREAU

Created January 16, 2001. Proposed product content and release dates subject to change.

Census 2000 Geographic Product Highlights

http://www.census.gov/geo/www/geo_flyer.pdf



REFERENCE MAPS beginning 3rd quarter 2001

State/County Subdivision Maps
State/County Outline Maps
Counties of the United States Wall Maps
State-Based Metropolitan Areas Maps (page-size)
Metropolitan Areas Wall Map
PUMA (Public Use Microdata Area) Outline Maps
Individual Urbanized Area Outline Maps
108th Congressional District Wall Map
108th Congressional District Atlas
Urbanized Areas of the United States

STATISTICAL THEMATIC MAPS...... beginning 3rd quarter 2002

"Night Time" Population Distribution Map Population Density in the United States Race and Ethnicity Population Density of the United States Maps (Additional map topics are likely.)

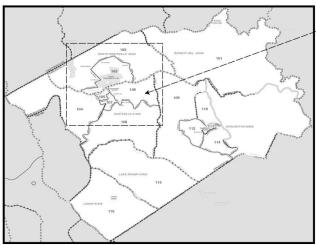
OTHER DIGITAL PRODUCTS

CARTOGRAPHIC BOUNDARY FILES...... beginning 2nd quarter 2001

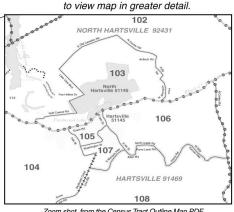
These are generalized boundary files appropriate for small scale thematic mapping. The files are available for most levels of census geography. Lowest level geography: census block group by June 2001 (PUMA, MA, UA, and Congressional District as available). Media: Internet [Data Formats: ARC/INFO Export (.e00), Arcview Shape (.shp) and ASCII.]

1990 cartographic boundary files (.e00, .shp, ASCII) are available now, online, at URL: http://www.census.gov/geo/www/cob/

Block Relationship Files (formerly called Comparability files) compare 1990 to 2000 Blocks, and Census Tract Relationship Files compare 1990 to 2000 tracts. Lowest level of geography: census block for block files and census tract for tract files. Media: Internet.



Example of a Census Tract Outline Map



Use ADOBE Reader's Zoom tool

Zoom shot from the Census Tract Outline Map PDF

Created January 16, 2001. Proposed product content and release dates subject to change.