

Proposed 2020 Census Data Products Plan

Census Scientific Advisory Committee Spring 2019 Meeting

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Background

- In preparation for the 2020 Census, we have conducted a comprehensive review of our suite of decennial data products
- The goal in designing the proposed suite of data products was to meet data user needs while maintaining data confidentiality through the use of formally private disclosure avoidance methods
- Using formally private disclosure avoidance methods require balancing accuracy with privacy, which is harder for small geographies, complex variables (family, relationship, or household data), and variables with many possible values (detailed race)
- The proposed suite of 2020 data products is similar to the 2010 data products
- Stakeholder feedback has been an important part of this process and is ongoing

Stakeholder Feedback

- The primary way we collected feedback was through a July 2018 *Federal Register* notice, its extension, and associated outreach
- Approximately 1,200 comments were received
- Comments provided use cases detailing legal, programmatic, or statistical needs for specific tables and geographies within the decennial products
- Use cases for data products, tables, and levels of geography were used to inform the development of the proposed suite of 2020 data products

Apportionment Product

- The Apportionment Product will be the first release of the 2020 Census
- The Apportionment Product will consist of the resident population of the 50 states plus the overseas federal employees (military and civilian) and their dependents living with them, who are included in their home states
- **Release date:** Within 9 months of Census Day (December 31, 2020)

Proposed updates for 2020:

- No changes

Redistricting File (P.L. 94-171)

Public Law 94-171 directs the Census Bureau to provide data to the governors and legislative leadership in each of the 50 states for redistricting purposes

This product will be the first file released that will include demographic and housing characteristics about detailed geographic areas

- **Subjects will include:**

- Voting age
- Race
- Hispanic or Latino origin
- Occupancy Status
- Group quarters population

- **Lowest level of geography:** Census Block

- **Release date:** Within one year of Census Day (April 1, 2021)

Proposed updates for 2020:

- Add data for the seven major group quarters types, which were previously provided in the 2010 Census Advanced Group Quarters Summary File

Demographic Profile

This product will provide critical demographic and housing characteristics about local communities

- **Subjects will include:**
 - 5-year age groups
 - Sex
 - Race
 - Hispanic or Latino origin
 - Household type
 - Relationship to householder
 - Group quarters population
 - Housing occupancy
 - Housing tenure
- **Lowest level of geography:** Place/Minor Civil Division
- **Target release date:** Spring 2021

Proposed updates for 2020:

- Change lowest level of geography from census tract to place/minor civil division

Demographic and Housing Characteristics File

- Replaces Summary File 1
- This file will include detailed demographic and housing characteristics and will provide the foundation for later data products
- **Subjects will include:**
 - Detailed age
 - Sex
 - Household type
 - Families
 - Relationship to householder
 - Group quarters population
 - Housing occupancy
 - Housing tenure
 - Some subjects iterated by major OMB race/ethnicity groups
- **Lowest level of geography:** Various; some tables available down to the census block
- **Target release date:** Summer 2021

Unresolved challenges with using formally private disclosure avoidance methods for 2020:

- Tabulating tables that require the linkage of data from the person and housing records (e.g., characteristics about children in households or about the householder)
- Tabulations of characteristic/item allocation

Congressional District Demographic and Housing Characteristics File

- Replaces the Congressional District Summary File
- This file will provide a re-tabulation of the Demographic and Housing Characteristics File for the new congressional districts
- **Subjects will include:**
 - Detailed Age
 - Sex
 - Household type
 - Families
 - Relationship to householder
 - Group quarters population
 - Housing occupancy
 - Housing tenure
 - Some subjects iterated by major OMB race/ethnicity groups
- **Lowest level of geography:** Census Tracts within Congressional Districts
- **Target release date:** Spring 2023

Unresolved challenges with using formally private disclosure avoidance methods for 2020:

- Tabulating tables that require the linkage of data from the person and housing records (e.g., characteristics about children in households or about the householder)
- Tabulations of characteristic/item allocation

Proposed Additional Data Products

- **Census Briefs**
 - Census briefs will provide summaries of population and housing data, and display data visually through maps, graphs, and figures
 - **Lowest level of geography:** Largest Places
 - **Target release date:** December 2020 – Summer 2023
- **Population and Housing Tables**
 - Population and Housing tables will provide population and housing data, often providing comparisons to the previous census
 - **Lowest level of geography:** Largest Places
 - **Target release date:** Fall 2021 – Spring 2023
- **Special Reports**
 - Special Reports will provide in-depth analyses of population and housing data not available in other data products
 - **Lowest level of geography:** Largest Places
 - **Target release date:** Fall 2022 – Winter 2022

Proposed updates for 2020:

- Update briefs, tables, and reports to include new content
- Modernize briefs and incorporate new ways to disseminate data

Summary of Challenges for Planning the 2020 Census Data Products

- Tabulating accurate counts and detailed demographic and housing characteristics for:
 - Detailed race and Hispanic origin groups
 - American Indian and Alaska Native tribes, Alaska Native villages, associations, communities, councils, and corporations
- Tabulating tables that require the linkage of data from the person and housing records (e.g., characteristics about children in households or about the householder)
- Tabulating accurate data for levels of geography beyond block, block group, tract, county, state, and nation (e.g., school districts, urban areas, and American Indian, Alaska Native, and Native Hawaiian Areas)
- Our intent is to provide as much of these data as possible while maintaining accuracy and privacy protection

Summary of Proposed 2020 Data Products

Proposed 2020 Data Product	Summary of Updates and Challenges
Apportionment Product	These files will be produced for the 2020 Census.
Redistricting File	
Demographic Profile	While we continue to draft individual tables, we are working to resolve challenges with tabulations for: <ul style="list-style-type: none"> • Various levels of geography • Tables that require linking data from the person and housing unit files • Tabulations of characteristic/item allocation
Demographic and Housing Characteristics File	
Congressional District Demographic and Housing Characteristics File	
Census Briefs	Data in these files are primarily dependent on the production of the files listed above.
Population and Housing Tables	
Special Reports	

Summary of Proposed 2020 Data Products (cont.)

Proposed 2020 Data Product	Summary of Updates and Challenges
Products that include data for detailed race and Hispanic origin groups	We continue to internally research ways to create public data products similar to the 2010 Census that meet user needs yet maintain data confidentiality.
Products that include data for American Indian and Alaska Native groups	
Public Use Microdata Sample (PUMS) File	We continue to internally discuss the availability of a PUMS file for the 2020 Census.
Summary of Population and Housing Characteristics (CPH-1)	We are proposing not to publish these files in 2020. Data from these products will be available in other files.
Population and Housing Unit Counts Report Series (CPH-2)	



2020 Census Data Products Planning

- Spring – Fall 2019: Conduct outreach with stakeholders and collect feedback
- Proposed Release Timeline Similar to Previous Decades
 - Apportionment Product will be released for all states by December 31, 2020
 - Redistricting File will be released for all states by March 31, 2021
 - All other products, including Island Area Census data, will be released on a flow beginning Spring 2021
- Enterprise Dissemination Platform
 - Preview Site - data.census.gov

2010 Census Data Products At a Glance

Release Date ¹	Standard Data Products	Lowest Level Geography
<p>States: Released February 3, 2011— March 24, 2011</p> <p>National: Released April 14, 2011</p>	<p>2010 Census Redistricting Data (P.L. 94-171) Summary File:</p> <ul style="list-style-type: none"> • State population counts for race and Hispanic or Latino categories • State housing unit counts by occupancy status (occupied units, vacant units) <p><i>Media: Internet tables, DVD, download capability</i></p> <p>National Summary File of Redistricting Data:</p> <ul style="list-style-type: none"> • Population and housing unit counts for the United States, regions, divisions, and American Indian, Alaska Native, and Native Hawaiian Areas <p><i>Media: Internet tables, download capability</i></p>	<p>Blocks</p> <p>American Indian, Alaska Native, and Native Hawaiian areas</p>
<p>States: Released May 5-26, 2011</p> <p>National: Released May 26, 2011</p> <p>Geographic Update: Released August 25, 2011</p>	<p>Demographic Profile:</p> <ul style="list-style-type: none"> • Selected population and housing characteristics • Includes Congressional Districts of the 111th Congress <p>Geographic Update (to States and National):</p> <ul style="list-style-type: none"> • Retabulation of Demographic Profile data for expanded geography, such as all county subdivisions, school districts, ZIP Code Tabulation Areas, Tribal Subdivisions, and more..... <p><i>Media: Internet quick tables, download capability</i></p>	<p>Places/Functioning Minor Civil Divisions²</p> <p>Census Tracts</p>
<p>States: Released June 16, 2011 – August 25, 2011</p>	<p>Summary File 1 (SF 1):</p> <ul style="list-style-type: none"> • Population counts for 63 race categories and Hispanic or Latino..... • Population counts for many detailed race and Hispanic or Latino categories, and American Indian and Alaska Native tribes..... • Selected population and housing characteristics..... 	<p>Blocks</p> <p>Census Tracts</p> <p>Blocks/Census Tracts</p>

www.census.gov/population/www/cen2010/glance/index.html



2020 Census Data Products Dissemination



Explore Census Data

The Census Bureau serves as the leading source of quality data about the nation's people and economy.

Q

Poverty

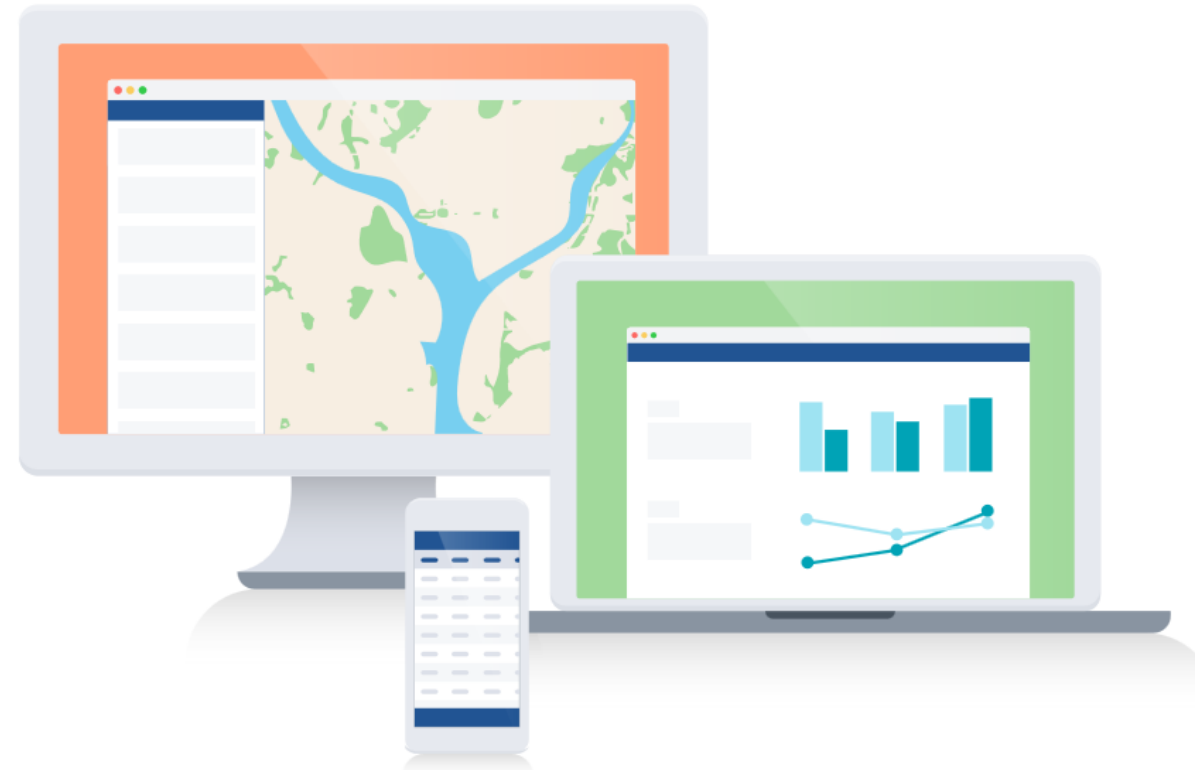
Income and Poverty

Official Poverty Measure

S1701: POVERTY STATUS IN THE PAST 12 MONTHS

B17020: POVERTY STATUS IN THE PAST 12 MONTHS BY AGE

[Advanced Search](#)



2020 Census Data Products Dissemination



Send dissemination tool feedback to: cedsci.feedback@census.gov

Questions for CSAC

- What are your critical needs for decennial census data and at what levels of geography?
- Do you have any suggestions for outreach and engagement about the 2020 data products with particular scientific, academic, or professional organizations?
- Do you have suggestions on how to convey the current challenges with tabulating the proposed 2020 data products to stakeholders?
- Considering the changes and challenges discussed in this presentation what concerns do you have?