

WSS (Washington Statistical Society) Statistics Education Committee, WSS Methodology Section, WSS Data Methods Collection Program, and The Washington-Baltimore Chapter of the American Association for Public Opinion Research (DC-AAPOR)

April 1, 2019





Purpose:

To conduct a census of population and housing and disseminate the results to the President, the States, and the American People



Apportion representation among states as mandated by Article 1, Section 2 of the U.S. Constitution:

Representatives and direct Taxes shall be apportioned among the several States which may be included within this union, according to their respective Numbers ...

The actual Enumeration shall be made within three Years after the first Meeting of the Congress of the United States, and within every subsequent Term of ten years, in such Manner as they shall by Law direct.

Primary Uses of Decennial Census Data:

- Apportion representation among states as mandated by Article 1, Section 2 of the U.S. Constitution
- Draw congressional and state legislative districts, school districts, and voting precincts
- Distribute more than \$675 billion federal dollars annually to states
- Inform federal, tribal, state, and local government planning decisions
- Inform business and nonprofit organization decisions (e.g., where to locate, size of the market)





What is Apportionment?



Video: The U.S. Census and the Amazing Apportionment Machine





Distributing more than \$675 billion dollars annually in funding

Based on FY15 data, federal programs use Census Bureau data, in whole or in part, to distribute more than \$675 billion in funds annually.

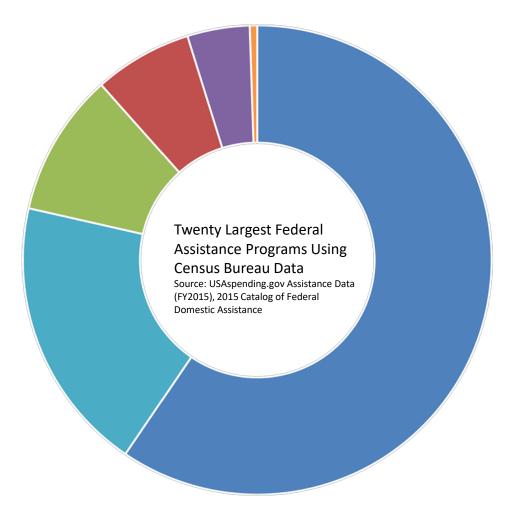
Examples of How Census Bureau Data are Used:

Population Count	• Example: area with a population above 50,000
Characteristics	• Example: number of children between the ages of 5 and 17
Derived Data	Example: per capita income
Geography	Example: urban/rural classification





Among Twenty Largest Federal Assistance Programs Using Census Bureau Data:

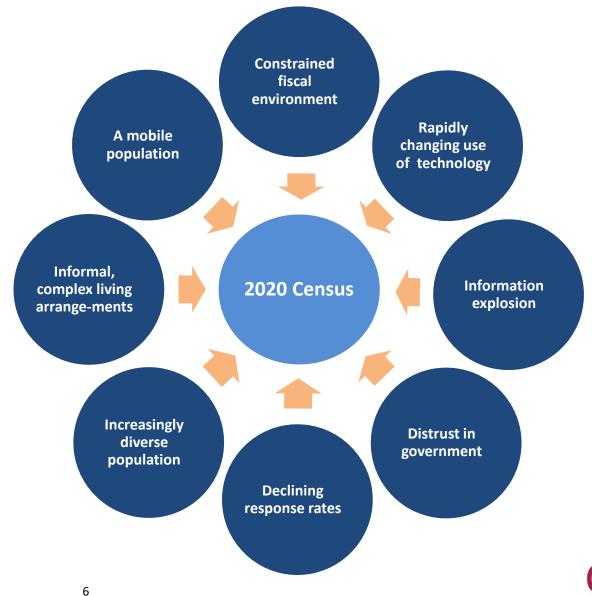


Health Ca	re	 Medical Assistance Program \$311B Medicare Part B Physicians Fee Schedule Services \$70B State Children's Health Insurance \$4B
Food, Hou Energy As		 Supplemental Nutrition Assistance Program \$71B Section 8 Housing Choice Voucher \$15B School Lunch Program \$18B Special Supplemental Nutrition Program for Women, Infants, and Children \$6B Section 8 Housing Assistance \$4B School Breakfast Program \$4B Low-Income Home Energy Assistance \$3B
Education		 Pell Grants \$29B Title 1 Grants \$14B Special Education Grants \$11B Head Start \$8B
Roads		 Highway Planning and Construction \$38B Federal Transit Grants \$5B
Families a	nd Children	 Temporary Assistance for Needy Families \$17B Foster Care \$5B Child Care and Development Fund \$5B
Disaster R Grants	Recovery	Hurricane Sandy Community Development Block Grant Disaster Recovery Grants (CDBG-DR) \$3B United States



The 2020 Census Environment

The 2020 Census is being conducted in a rapidly changing environment, requiring a flexible design that takes advantages of new technologies and data sources while minimizing risk to ensure a high quality population count.





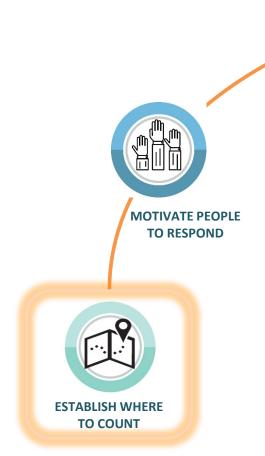
A Complete and Accurate Count of the Population and Housing







Establish Where to Count







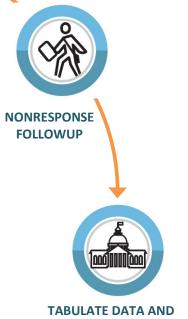
GROUP QUARTERS

Identify all addresses where people could live

- Conduct a 100-percent review and update of the nation's address list
- Use tablets and laptops to verify addresses in the field, building on the use of handheld devices for address listing in the last census
- Delineate types of enumeration areas, including those designated as Update Leave, where Census hand-delivers questionnaires to addresses that do not have "city-style addresses" and to areas affected by natural disasters
- Use multiple data sources to identify areas with address changes
- Get local government input through the Local Update of Census Addresses

Reengineering Address Canvassing for the 2020 Census

- Minimize in-field work with in-office updating
- Use aerial and street-view imagery to review addresses from the office and updating most Master Address File/Topologically Integrated Geographic Encoding and Referencing system (MAF/TIGER) data remotely, substantially cutting in-person workload
- Leverage workload models and technology to efficiently manage and route on-the-ground staff assignments for Address Canvassing



RELEASE CENSUS RESULTS



Motivate People to Respond







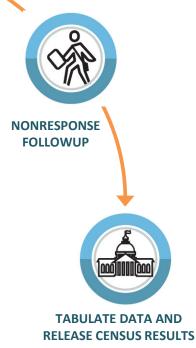


Conduct a nationwide communications and partnership campaign

 Build on the success of using paid advertising and audience segmentation in recent decades

Optimizing Self-Response for the 2020 Census

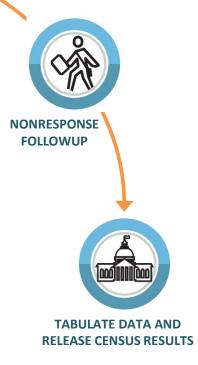
- Communicate about the census based on advanced modeling techniques to increase awareness and self-response
- Add digital advertising to target and tailor messages to various audiences





Self-Response



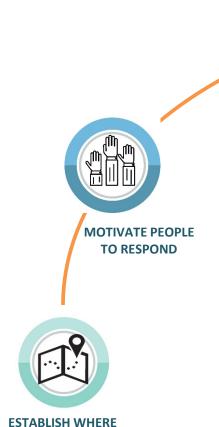






TO COUNT

Group Quarters

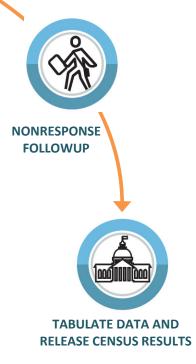


TO COUNT



Enumerate people living or staying in group quarters and provide an opportunity for people experiencing homelessness and receiving service at a service-based location to be counted in the census

- Conduct operation for all people living in group living arrangements in facilities that are owned or managed by an entity or organization providing housing or services for the residents (e.g., college/university student housing, residential treatment centers, nursing/skilled nursing facilities, group homes, correctional facilities, workers' dormitories, and domestic violence shelters)
- Conduct Group Quarters Enumeration of all group quarters through infield visits or administrative records data
- Conduct Service-Based Enumeration at locations including emergency/transitional shelters, soup kitchens, regularly scheduled mobile food vans, and targeted non-sheltered outdoor locations (e.g., under bridges, cemeteries, etc.)





Nonresponse Followup





SELF-RESPONSE





GROUP QUARTERS

Collect data from all households

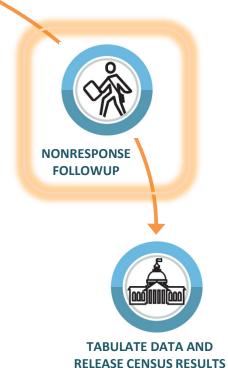
• Conduct in-person follow-up with those households who have not responded on their own

Reengineering Field Operations for the 2020 Census

- Operations such as recruiting, training, and payroll will be automated
- Leverage automation to efficiently manage and route on-the-ground field staff, as well as manage case assignment and the number of contact attempts
- Field workers will use handheld devices for collecting the data

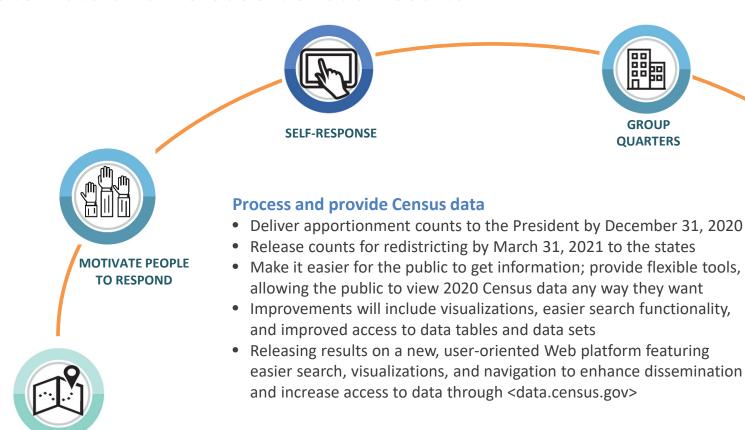
Utilizing Administrative Records for the 2020 Census

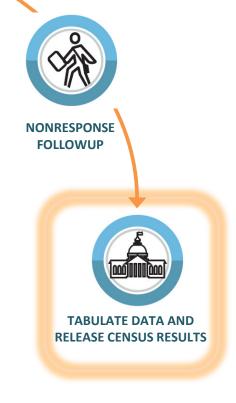
• Use of administrative records (i.e., data from other government agencies) to enable us to identify millions of vacant or nonexistent housing units before sending field staff to nonresidential addresses or vacant houses





Tabulate Data and Release Census Results









ESTABLISH WHERE

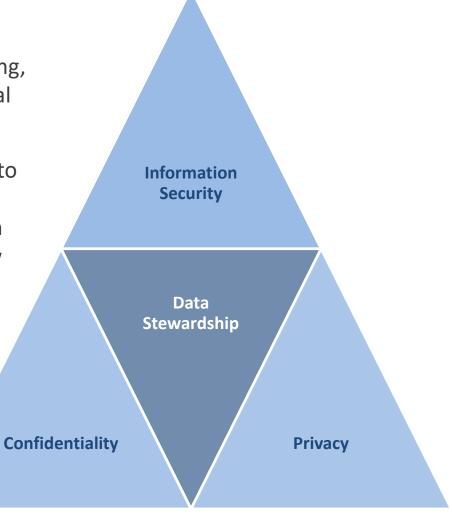
TO COUNT

Census Data Stewardship – Ensuring Your Data Is Safe And Secure

Our Culture Values Data Security

Data Stewardship is the formal process the Census Bureau uses to care for respondent information—from the beginning, when a respondent answers, to the end, when the statistical data products are released.

Data Stewardship is a comprehensive framework designed to protect information over the course of the information lifecycle, from collection to dissemination, and it starts with creating a culture of confidentiality that is based on the law and designed to maintain public trust.

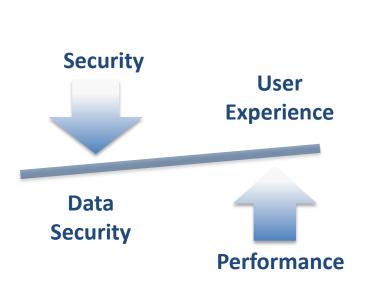






Secure System Design

Designed to Contain, Sustain, and Maintain Public Trust



Census design is focused 1st on data security to protect respondents' data and 2nd on user experience so that respondents may confidently respond to the 2020 Census.

Contain Issues + Sustain Services = Maintain Public Trust

Employ "Physical Security" Techniques

- "Layer" physical entry with the appropriate level of security (doors, walls)
- "Isolate" separate areas within layers to efficiently handle interactions (lines, guards)
- "Lock down" valuables behind closed doors (vaults, safes)





Integrated Partnership and Communications

The Integrated Partnership and Communications operation communicates the importance of participating in the 2020 Census to the entire population of the 50 states, the District of Columbia, Puerto Rico and the island areas to:

- Engage and motivate people to self-respond, preferably via the internet
- Raise and keep awareness high throughout the entire 2020 Census to encourage response

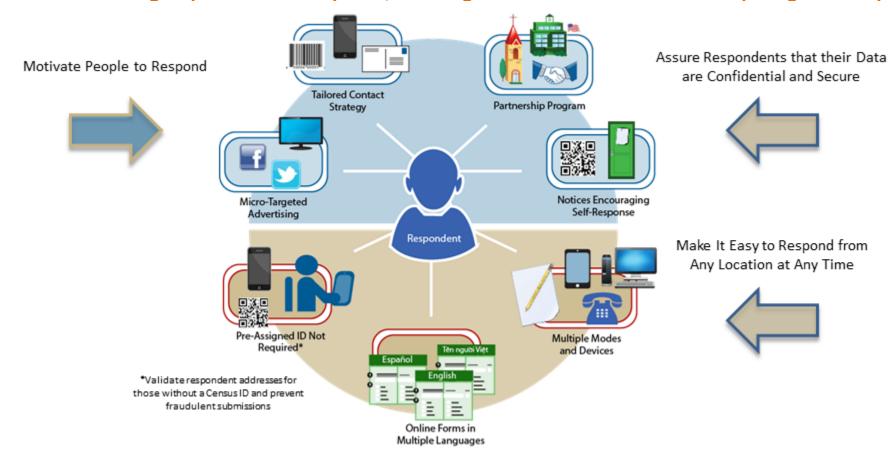






Optimizing Self-Response

Generate the largest possible self-response, reducing the number of households requiring follow-up







Summary of Non-English Language Support

Internet
Self-Response

Census Questionnaire Assistance

Language Guides (Video and Print) Language Glossaries Language Identification Card

Paper Questionnaire & Mailing Materials

12 Non-English Languages

Respondents will be able to toggle between the languages within the instrument.

Spanish

Chinese

Vietnamese

Korean

Russian

Arabic

Tagalog

Polish

French

Haitian Creole

Portuguese

Japanese

12 Non-English Languages

There is a separate phone number for each language. This information is included in the mailing materials.

Spanish

Chinese (Mandarin and Cantonese)

Vietnamese

Korean

Russian

Arabic

Tagalog

Polish

French

Haitian Creole

Portuguese

Japanese

59 Non-English Languages

Video and print language guides will be available online. Glossaries provide key terminology to bilingual staff. Language Identification Card expanded to 59 languages (50 in 2010). Language listed below are in order of need (top to bottom, left to right).

Spanish	Italian	Khmer	Tamil	Croatian
Chinese	Farsi	Nepali	Navajo	Bulgarian
Vietnamese	German	Urdu	Hungarian	Twi
Korean	Armenian	Romanian	Hebrew	Lithuanian
Russian	Hindi	Telugu	Malayalam	Yoruba
Arabic	Ukrainian	Burmese	Swahili	Czech
Tagalog	Bengali	Punjabi	Yiddish	Igbo
Polish	Greek	Lao	Indonesian	Marathi
French	Amharic	Hmong	Serbian	Sinhala
Haitian Creole	Somali	Albanian	Tigrinya	Slovak
Portuguese	Thai	Turkish	Ilocano	American
Japanese	Gujarati	Bosnian	Dutch	Sign Language

Spanish

Bilingual mailing materials and questionnaires will be sent to addresses in bilingual tracts.

Mailings will include instructions on responding via Internet or phone in 12 non-English languages.

During Nonresponse Followup enumerators use:

- A bilingual handheld instrument (English/Spanish)
- Bilingual materials (English/Spanish)
- •Instructions to respond online or by phone in 12 non-English languages
- Language Identification Card



Mid-Decade Research: Testing of Contact Strategy Changes

- ✓ No advance letter
- ✓ Second reminder
- ✓ Internet First strategy

2012 National Census Test

- Preregistration
- ✓ Internet responses without a Census ID

2015 Census Test

- ✓ Reminder letter
- ✓ Census ID printed on letter

2016 Census Test





- **⊗** Email
- **○** Preregistration

2015 National Content Test

- ✓ Fifth mailing
- ✓ First reminder sooner
- ✓ Internet Choice strategy
- ✓ Bilingual materials (flip and swim lane versions)



✓ Cohorts





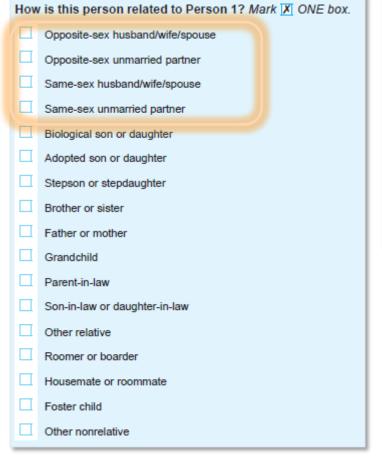


Mid-Decade Research: Relationship Question Changes

Census 2010

How is this person related to Person 1? Mark X ONE box. Husband or wife Parent-in-law Biological son or daughter Son-in-law or daughter-in-law Adopted son or daughter Other relative Stepson or stepdaughter Roomer or boarder Brother or sister Housemate or roommate Father or mother Unmarried partner Grandchild Other nonrelative

2015 National Content Test



Census 2020

How is this person related to Person 1? Mark X ONE box.						
	Opposite-sex husband/wife/spouse		Father or mother			
	Opposite-sex unmarried partner		Grandchild			
	Same-sex husband/wife/spouse		Parent-in-law			
	Same-sex unmarried partner		Son-in-law or daughter-in-law			
	Biological son or daughter		Other relative			
	Adopted son or daughter		Roommate or housemate			
	Stepson or stepdaughter	П	Foster child			
	Brother or sister		Other nonrelative			





Where are We Now







Connect with Us



Sign up for and manage alerts at https://public.govdelivery.com/accounts/USCENSUS/subscriber/new



facebook.com/uscensusbureau



More information on the 2020 Census Memorandum Series: http://www.census.gov/programs-surveys/decennial-census/2020-census/planning-management/memo-series.html



twitter.com/uscensusbureau



More information on the 2020 Census: http://www.census.gov/2020Census



youtube.com/user/uscensusbureau



More information on the American Community Survey: http://www.census.gov/programs-surveys/acs/



instagram.com/uscensusbureau



Thank You

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