2020 Census Update & 2020 Census Redistricting Data Program

California Redistricting Committee
Sacramento, CA
April 22, 2019

James Whitehorne

Chief - Census Redistricting & Voting Rights Data Office

United States™
Census
Bureau

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

Topics Covered

- The 2020 Census Update
  - Effect of the furlough
  - Milestones
  - Contact Strategies/ Types of Enumeration Areas
  - Language Support
- The 2020 Communications Plan
  - The integrated partnership and communications operation
  - Complete count committees
  - Other communications activities
- The 2020 Redistricting Data Program
  - Public Law 94-171
  - Phase of the program
  - Redistricting data products
    - Timing
    - Contents
    - Group Quarters/Residence Criteria
  - Voting Rights Tabulations
  - Where to get the data

United States Census Bureau

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov
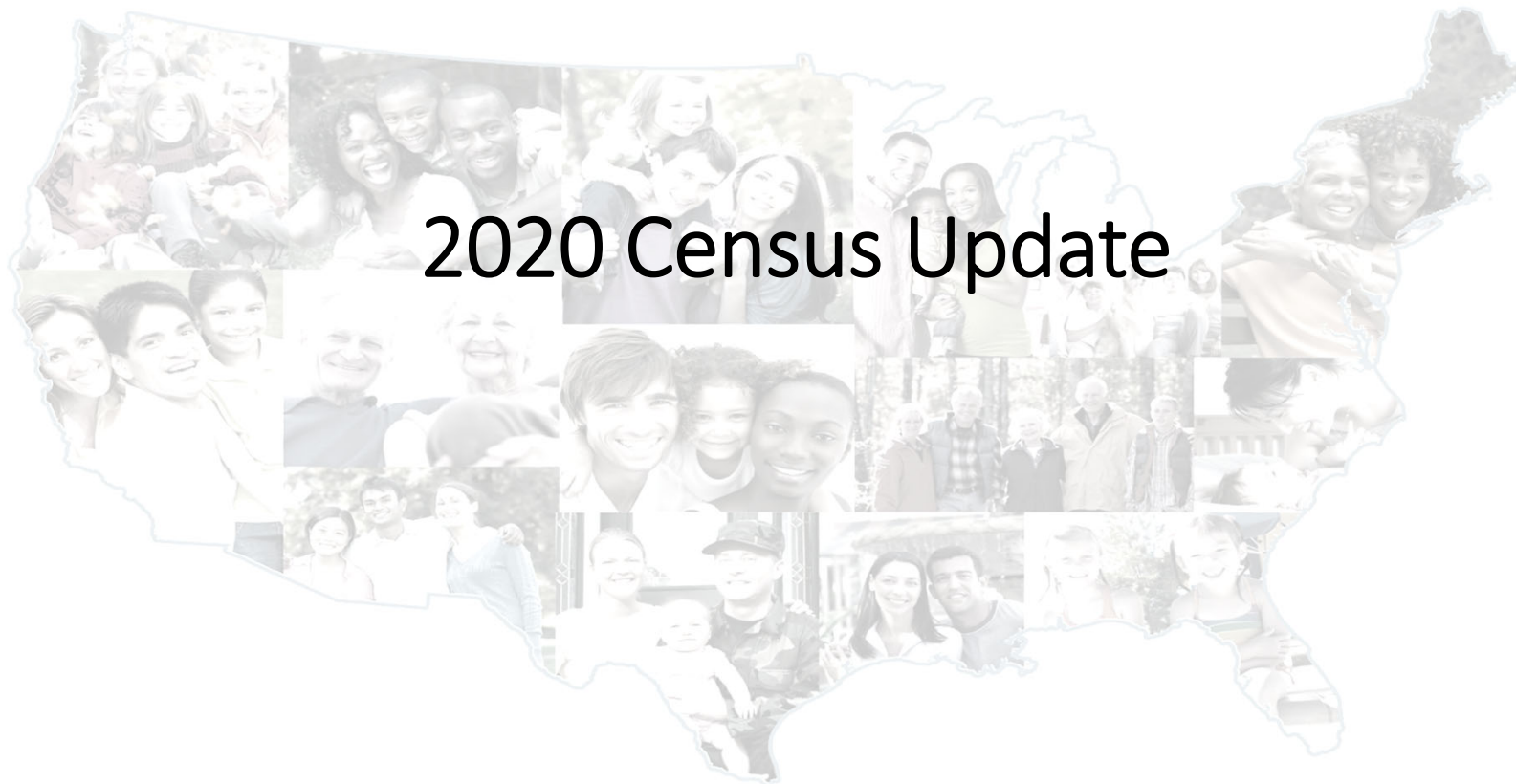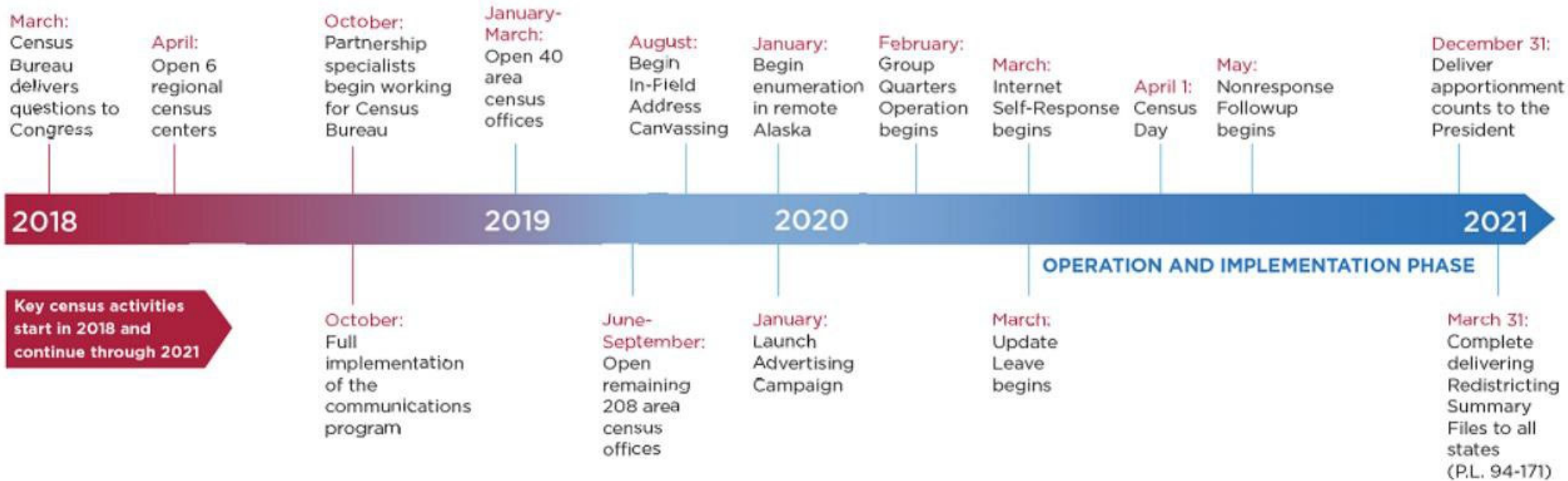
2020 Census Update

- Area Census Offices (ACOs)
- Recruiting and Hiring
- State Complete Count Commissions/ Complete Count Committees
- Community Partnership and Engagement Program (CPEP)
- National Partnership Program

United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

4

2020 Census

Key Milestones

Milestone	Date	
Begin 2020 Census Program	November 18, 2011	✓
Begin Local Update of Census Addresses (LUCA) Program	January 2017	✓
Deliver 2020 Census Topics to Congress	March 28, 2017	✓
Deliver 2020 Census Questions to Congress	By March 31, 2018	✓
Open Regional Census Centers	April 2018	✓
Conduct 2018 End-to-End Census Test	August 28, 2017 – August 31, 2018*	✓
Begin Opening Area Census Offices	January 7, 2019	✓
Begin In-Field Address Canvassing	August 18, 2019	
Launch Advertising Campaign	January 2020	
Begin Remote Alaska	January 21, 2020	
Begin Group Quarters – Advance Contact	February 3, 2020	
Begin Self-Response	March 12, 2020	
Begin Update Leave	March 16, 2020	
Begin Update Enumerate	March 16, 2020	
Begin Group Quarters – Service Based Enumeration	March 30, 2020	
2020 Census Day	April 1, 2020	
Begin Group Quarters Enumeration	April 2, 2020	
Begin Coverage Improvement	April 7, 2020	
Begin Early Nonresponse Followup	April 9, 2020	
Begin Nonresponse Followup	May 13, 2020	
Deliver Apportionment Counts to the President	By December 31, 2020	
Complete Delivery of Redistricting Counts to the States	By March 31, 2021	
Complete 2020 Census Program	September 29, 2023	

United States Census Bureau

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

*Duration represents the time frame for data collection.

Operational Update-Field Infrastructure

Area Census Offices

- Lease awards have been granted to all Wave 1 ACOs. All have complete design intent drawings, complete construction drawings, and approved tenant improvement costs and have been given a notice to proceed.

- As of April 11, 38 Wave 1 ACOs are either open or ready for business.

- The Wave 2 offices are scheduled to open between June and September 2019. As of January 31, all have space identified, 204 have an occupancy agreement signed, and of those, 203 have leases awarded. So far, 176 of the Wave 2 ACOs have complete design intent drawings, 118 have complete construction drawings, and 14 have approved tenant improvement costs and have been given a notice to proceed.

United States Census Bureau

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

2020 Census

Upcoming Milestones

In-Field Address Canvassing begins in 119 days

August 18, 2019

First enumeration in Toksook Bay, Alaska begins in 275 days

January 21, 2020

Census Day 2020 is in 346 days

April 1, 2020

Apportionment counts are given to the President in 620 days

December 31, 2020
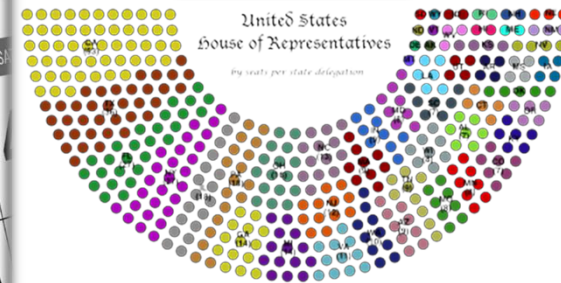
2020 Census
Goal and Key Innovation Areas

Goal: To count everyone once, only once, and in the right place.
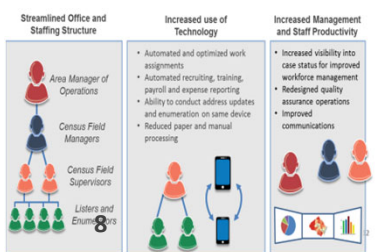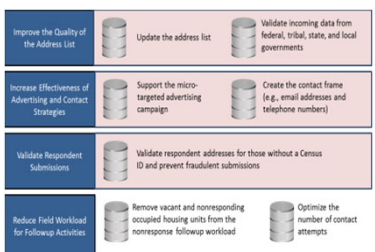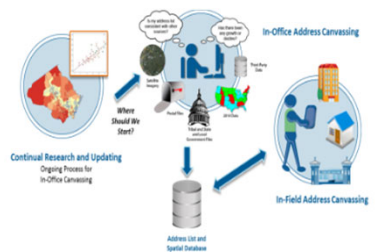
Focus on Four Key Innovation Areas

Reengineering Address Canvassing	Optimizing Self-Response	Utilizing Administrative Records and Third-Party Data	Reengineering Field Operations

2020 Census
A Complete and Accurate Count of the Population and Housing

SELF-RESPONSE

GROUP QUARTERS

MOTIVATE PEOPLE TO RESPOND

NONRESPONSE FOLLOWUP

ESTABLISH WHERE TO COUNT

TABULATE DATA AND RELEASE CENSUS RESULTS

Count everyone once,
only once, and in the right place.

United States™
Census
Bureau

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

2020 Census

Establish Where to Count

SELF-RESPONSE

GROUP QUARTERS

MOTIVATE PEOPLE TO RESPOND

NONRESPONSE FOLLOWUP

ESTABLISH WHERE TO COUNT

TABULATE DATA AND RELEASE CENSUS RESULTS

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 areas where the majority of housing units either do not have mail delivered to the physical location of the housing unit, or the mail delivery information for the housing unit cannot be verified
- 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

United States **Census** Bureau

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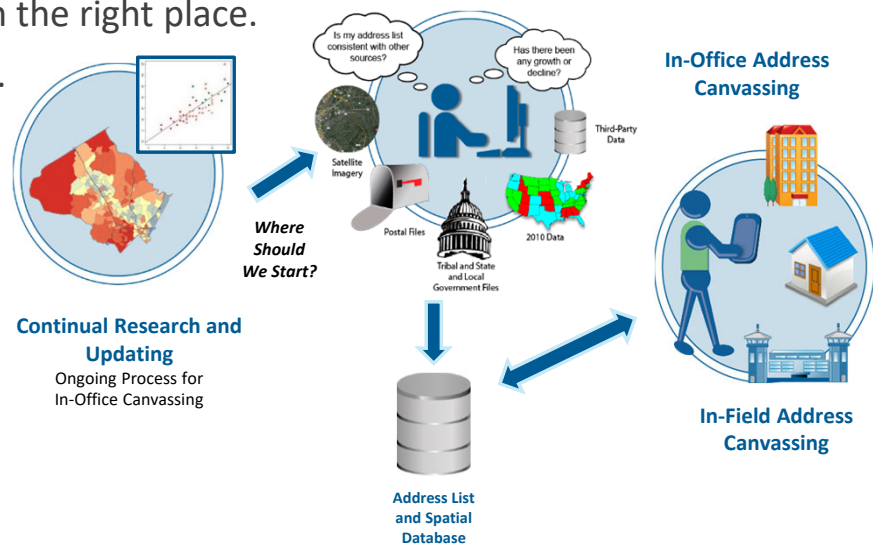Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

Know Where to Count: Geographic Programs
2020 Census

Address list and spatial database determines the address list for the 2020 Census

The goal: Count everyone once, only once, and in the right place.

- Geographic Support System Partnership Programs.
- In-Office Address Canvassing.
- Local Update of Census Addresses.
- Boundary and Annexation Survey.
- Participant Statistical Areas Program.
- Geographic Products.

Continual Research and Updating
Ongoing Process for In-Office Canvassing

Where Should We Start?

Is my address list consistent with other sources?

Has there been any growth or decline?

Satellite Imagery

Third-Party Data

Postal Files

Tribal and State and Local Government Files

2010 Data

In-Office Address Canvassing

In-Field Address Canvassing

Address List and Spatial Database

Residence Criteria and Residence Situations

- 2020 Residence Criteria and Residence Situations
  - Juveniles in non-correctional treatment centers
    - At their usual home address (previously counted at facility)
    - At the facility if no usual home address
  - Religious Group Quarters
    - At the facility (previously counted at home address)
    - At the facility if no usual home address
  - College Students
   - Where they live and sleep most of the time, as before

Residence Criteria and Residence Situations

- **2020 Residence Criteria and Residence Situations**
  - Federally Affiliated Count Overseas
    - Military Deployed/Stationed
  - U.S. flagged maritime or merchant vessels between U.S. and foreign ports
    - At usual home address (previously not counted)
    - At port if no usual home address (previously not counted)
  - Prisoners at Correctional Facilities
    - Counted at facility (as before)
    - Geocoding Tool
    - Addition of Group Quarters to P.L. 94-171 Data

2020 Census
Reengineering Field Operations
Leveraging technology to more efficiently and effectively manage the 2020 Census fieldwork

Streamlined Office and Staffing Structure

- Area Manager of Operations
- Census Field Managers
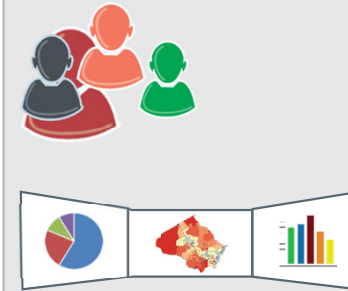- Census Field Supervisors
- Listers and Enumerators
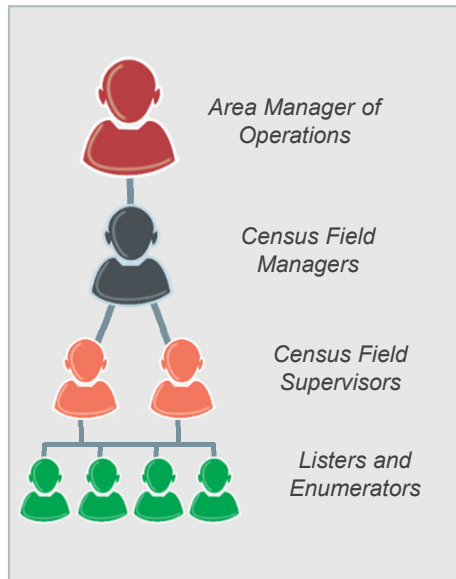
Increased use of Technology

- Automated and optimized work assignments
- Automated recruiting, training, payroll and expense reporting
- Data collection and management on handhelds and tablets for Nonresponse Followup
- Dramatic reduction of paper and manual processing
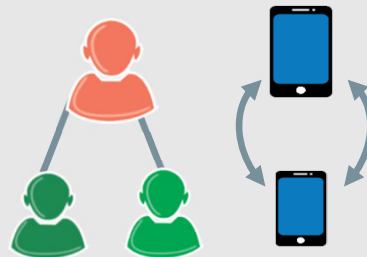
Increased Management and Staff Productivity

- Increased visibility into case status for improved workforce management
- Redesigned quality assurance operations
- Improved communications

2020 Census
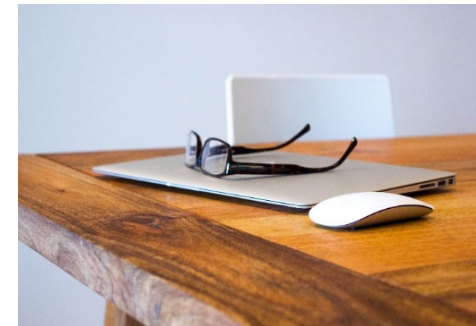## Reengineering Field Operations

2010 Census

2020 Census

Reengineering field operations leads to a reduced "brick and mortar" footprint

494 local
census offices

600,000 Staff for
Nonresponse Followup

- Automated and optimized work assignments
- Automated recruiting, training, payroll and expense reporting
- Data collection and management on handhelds and tablets for Nonresponse Followup
- Dramatic reduction of paper and manual processing
- Increase in productivity

248 area
census offices

400,000-450,000 Staff for
Nonresponse Followup

United States™
Census
Bureau

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

15

2020 Census
Field Employment and Hiring

Recruiting, Assessment, and Hiring

- Because we need to fill thousands of positions across the country, recruiting efforts begin months before job offers are made.
- The 2020 Census has streamlined the hiring process for these temporary workers. Rather than physically going to a job center to apply for a job, applicants complete the process online by creating a profile, completing an application, and taking an assessment.
- Applicants stay in the applicant pool for the entire 2020 Census, so we can reach out to them as we need to fill jobs.
- We have already begun our recruiting of 40,000-60,000 listers which are needed for Address Canvassing.
- In Fall 2019, we will continue recruiting efforts as we prepare to hire and train 400,000-450,000 enumerators for Nonresponse Followup.
- Over 160,000 applicants have create a profile and completed the assessment in the online system, greatly surpassing our goal.

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

2020 Census
Motivate People to Respond

SELF-RESPONSE

GROUP QUARTERS

MOTIVATE PEOPLE TO RESPOND

NONRESPONSE FOLLOWUP

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

ESTABLISH WHERE TO COUNT

TABULATE DATA AND RELEASE CENSUS RESULTS

United States **Census** Bureau

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

2020 Census
Integrated Partnership and Communications Operation

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

PUBLIC RELATIONS AND EVENTS, AND CRISIS COMMUNICATIONS

RAPID RESPONSE ACTIVITIES

STATISTICS IN SCHOOLS

DATA DISSEMINATION

FIELD RECRUITMENT ADVERTISING AND COMMUNICATIONS

STAKEHOLDER RELATIONS AND PARTNERSHIP PROGRAM

SOCIAL MEDIA

ADVERTISING AND MEDIA BUYING

WEBSITE DEVELOPMENT AND DIGITAL ACTIVITIES

United States™
Census
Bureau

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

18

2020 Census: National Participating Organizations

2020 Census: State Complete Count Commissions

Data current as of:
April 11, 2019

Notes:

Those states in the "Yes" category indicate that the Census Bureau has received a firm commitment at the highest state-level to form a complete count commission (CCC). However, this designation does not mean that the State CCC is fully formed yet or that legislation will be passed; only that a commitment has received by the Census Bureau.

Legend:
- No – 1
- Considering – 4
- Yes – 47 (including DC)
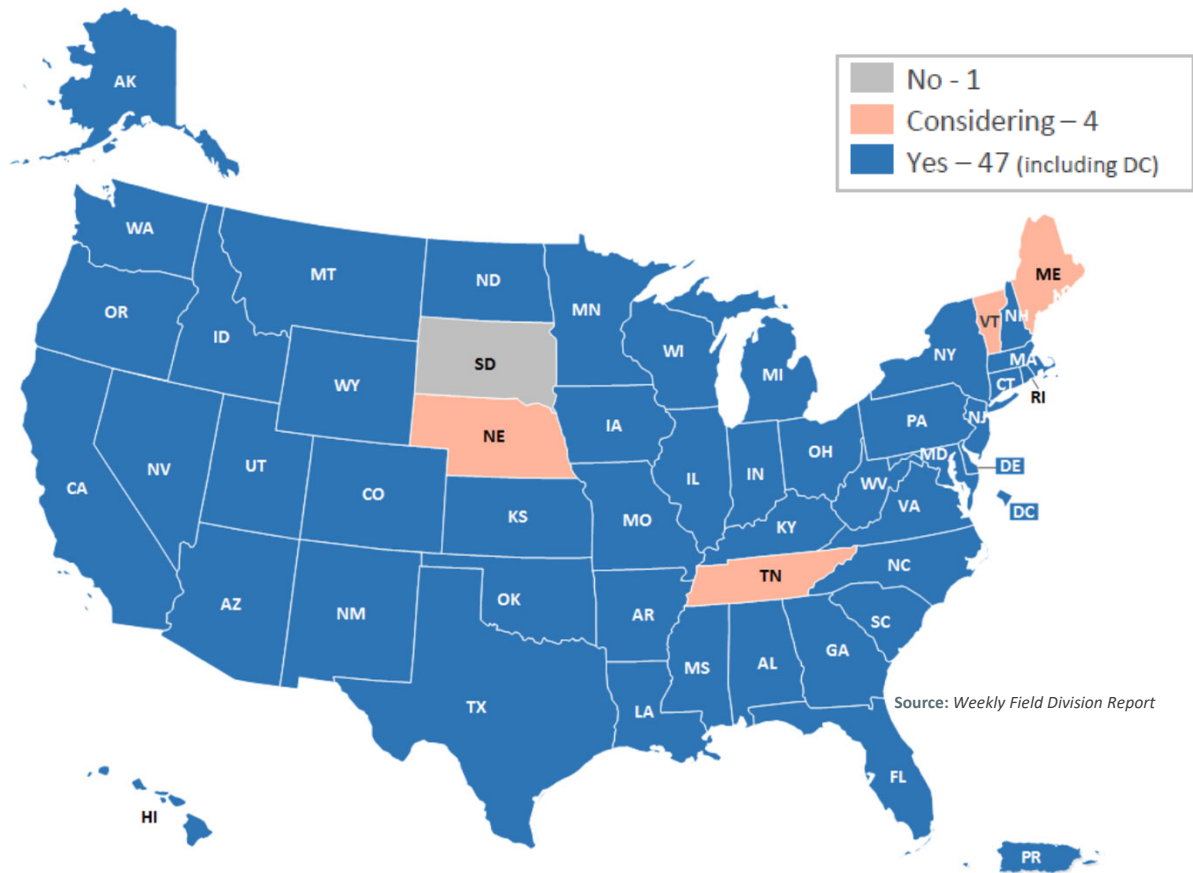
Source: *Weekly Field Division Report*

Complete Count Committees
2020 Census

WHO?

Tribal, state, and local governments work together with partners to form CCCs to promote and encourage response to the 2020 Census in their communities. Community-based organizations and local influencers also establish CCCs that reach out to their constituents.

WHAT?

A CCC is comprised of a broad spectrum of government and community leaders from education, business, health care, and other community organizations. These trusted voices develop and implement a 2020 Census awareness campaign based upon their knowledge of the local community to encourage a response.

WHEN?

The formation of CCCs is happening NOW! Leaders are identifying budget resources and establishing local work plans. In 2020, they will implement the plans and lead their communities to a successful census count.

WHY?

Local influencers who know their communities are essential to inspiring a strong response to the 2020 Census.

census.gov/2020completecount

United States™ **Census** Bureau

U.S. Department of Commerce
Economics and Statistics Administration
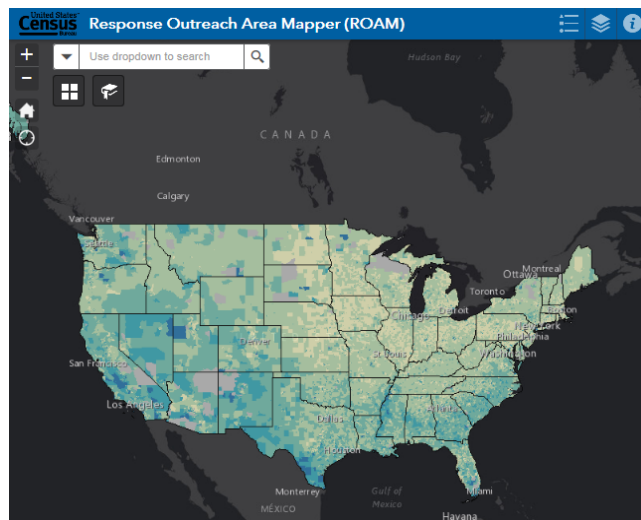**U.S. CENSUS BUREAU**
census.gov
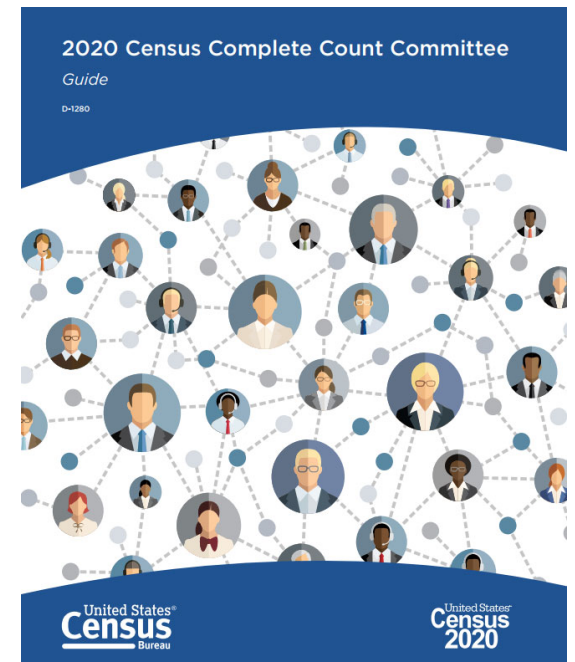
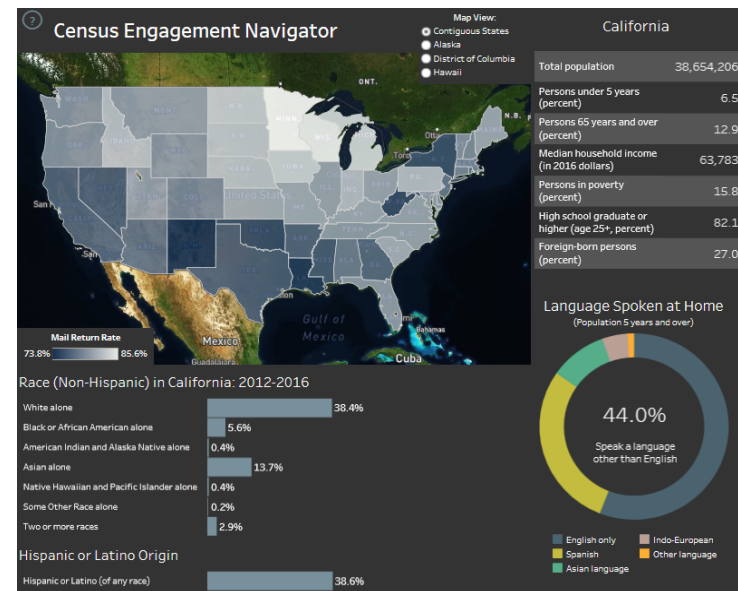# Get To Know Your Community
Mapping Tools

Interactive data tools to better understand the demographic composition and characteristics of the communities you work with and represent.

Census Engagement Navigator

Response Outreach Area Mapper (ROAM)

www.census.gov/partners/maps

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

Statistics in Schools

Educate your students about the value and everyday use of statistics. The Statistics in Schools program provides resources for teaching and learning with real life data. Explore the site for standards-aligned, classroom-ready activities.

Classroom Resources

2020 Census
Self-Response, Group Quarters, Non-Response Follow-Up

SELF-RESPONSE

GROUP
QUARTERS

MOTIVATE PEOPLE
TO RESPOND

NONRESPONSE
FOLLOWUP

ESTABLISH WHERE
TO COUNT

TABULATE DATA AND
RELEASE CENSUS RESULTS

United States™ Census Bureau

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov
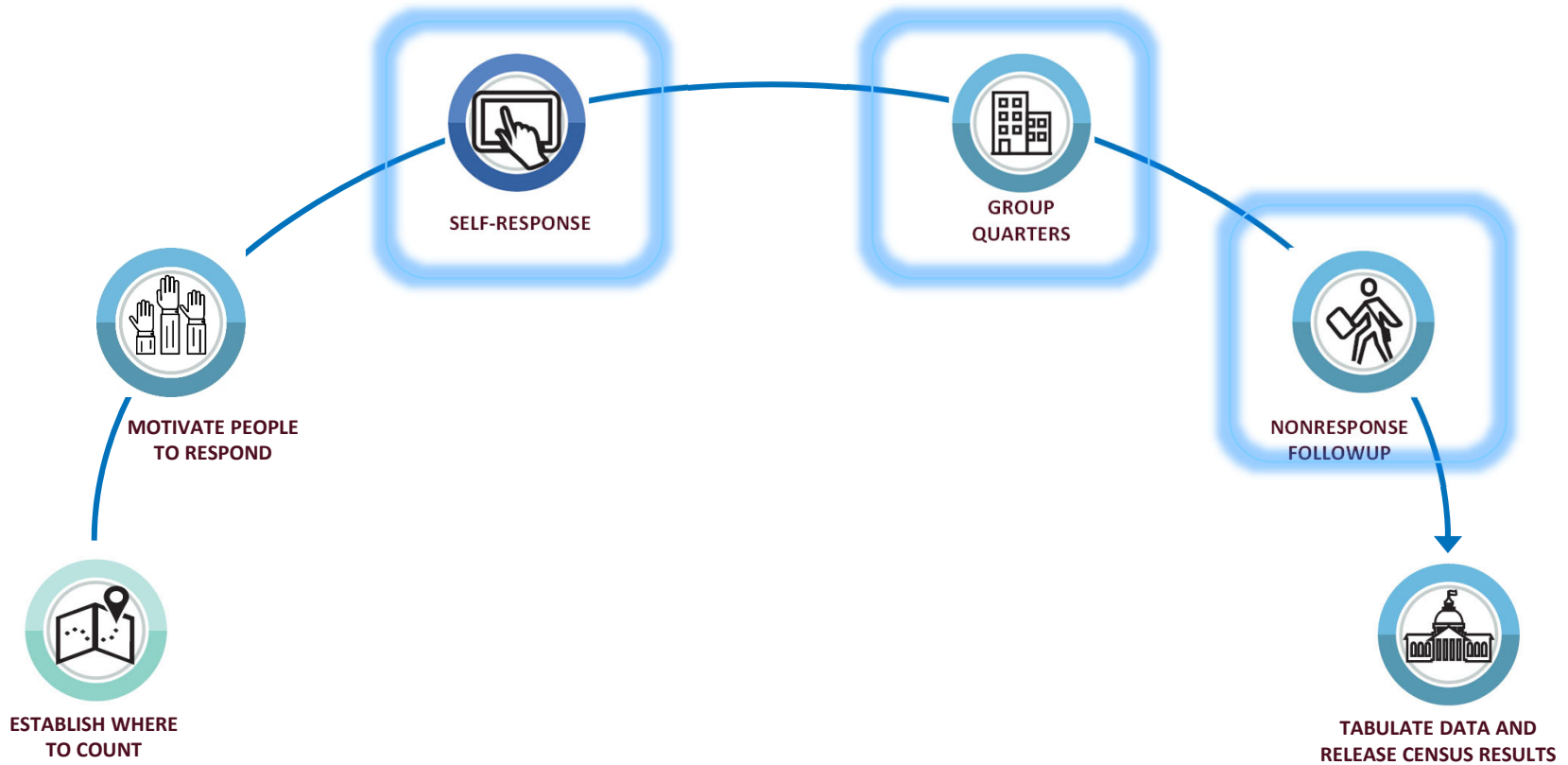
2020 Census

Type of Enumeration Areas (TEAs)

- Completed determination of Type of Enumeration Areas (TEAs) for the 2020 Census

- A national map is now available, displaying the TEAs for the Fifty States and Puerto Rico, and is available at www.Census.gov/2020census

- This information will also be available with an interactive map that includes other geographic boundary information, such as counties or even census tracts.

United States Census Bureau

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov
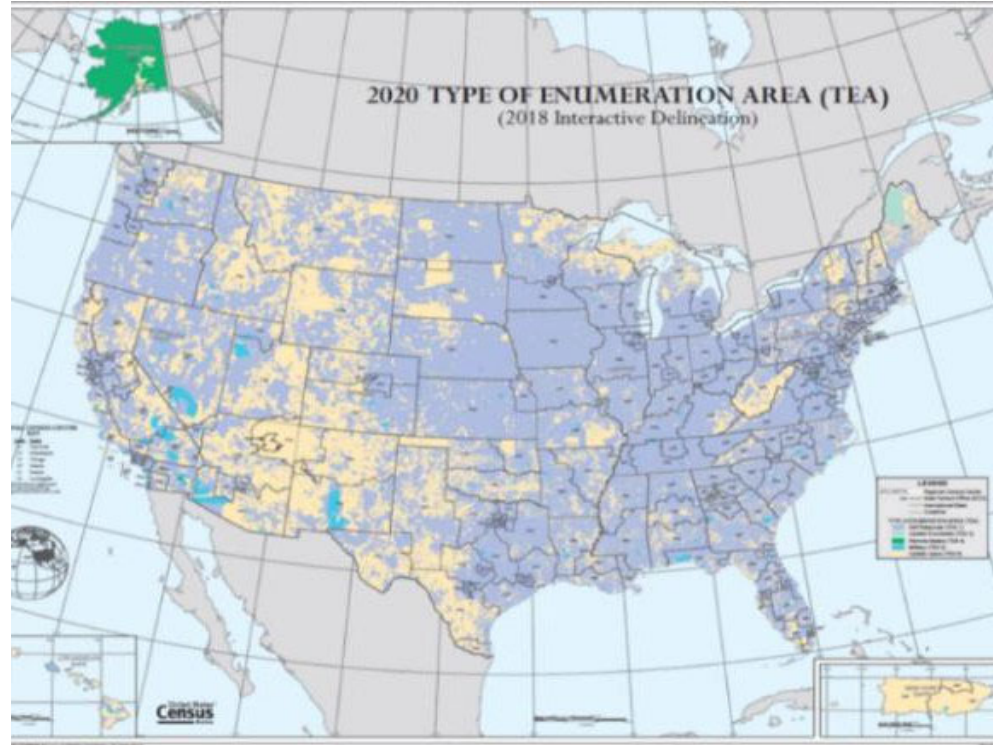
How the 2020 Census Will Invite Everyone to Respond

Every household will have the option of responding online, by mail, or by phone.

Nearly every household will receive an invitation to participate in the 2020 Census from either a postal worker or a census worker.
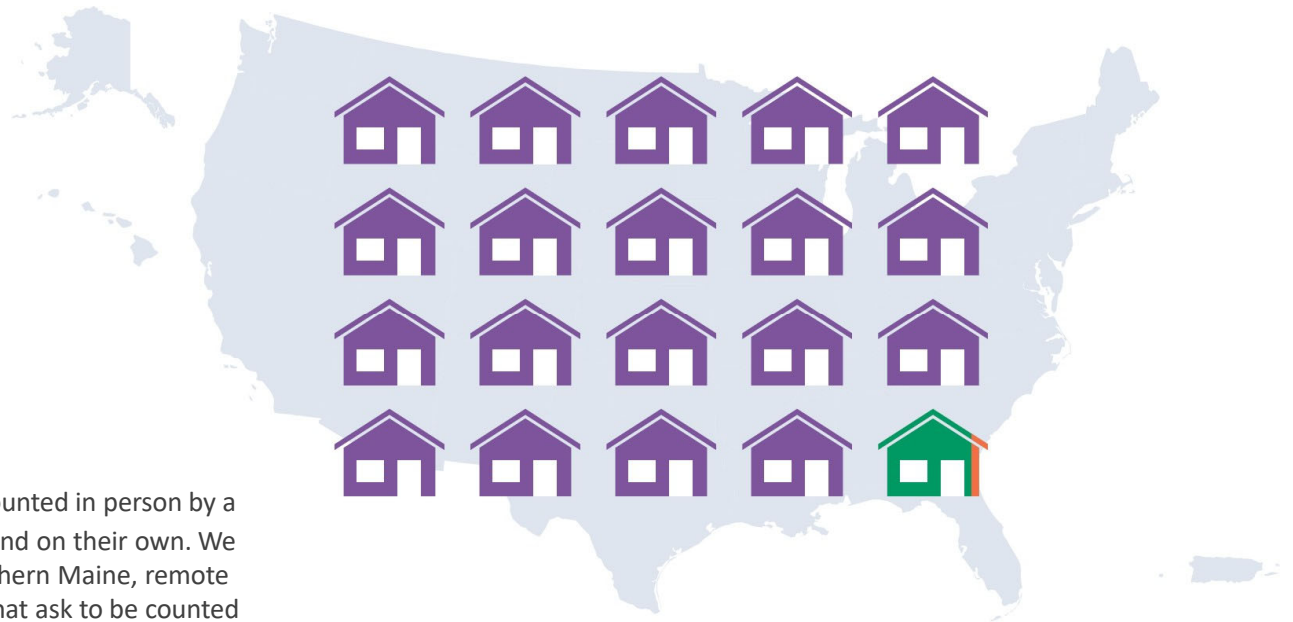
95% of households will receive their census invitation in the mail.

Almost 5% of households will receive their census invitation when a census taker drops it off. In these areas, the majority of households may not receive mail at their home's physical location (like households that use PO boxes or areas recently affected by natural disasters).
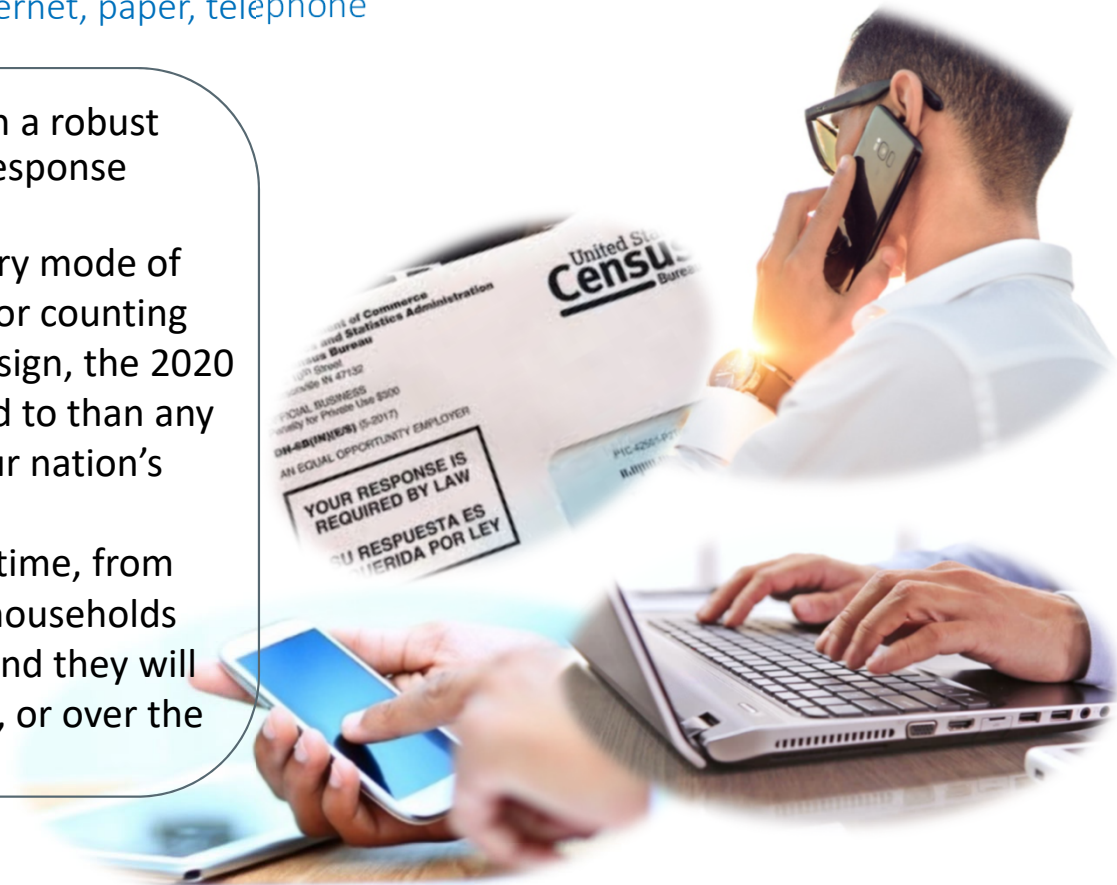
Less than 1% of households will be counted in person by a census taker, instead of being invited to respond on their own. We do this in very remote areas like parts of northern Maine, remote Alaska, and in select American Indian areas that ask to be counted in person.

United States™
Census
Bureau

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

27

2020 Census
Responding is easier than ever – internet, paper, telephone

- Maximize self-response through a robust contact strategy and multiple response options
- Using the internet as the primary mode of response is a major milestone for counting the population, however, by design, the 2020 Census will be easier to respond to than any previous decennial census in our nation's history.
- You will be able to respond anytime, from anywhere. Regardless of how households receive their invitation to respond they will be able to do so online, by mail, or over the phone.

United States Census Bureau

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

28

2020 Census
Self-Response Mail Strategy

Self-Response

- Two-panel design: Internet First (invitation letter on first contact) and Internet Choice (questionnaire on first contact)

- Internet First panel is divided into four cohorts to best distribute calls to Census Questionnaire Assistance

- Internet Choice panel is in a single cohort, mailed on the same schedule as Internet First, Cohort 2

MARCH

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

APRIL

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Dates in the table below are in-home dates.

Panel	Cohort	Mailing 1 Letter (Internet First) or Letter + Questionnaire (Internet Choice)	Mailing 2 Letter	Mailing 3* Postcard	Mailing 4* Letter + Questionnaire	Mailing 5* "It's not too late" Postcard
Internet First	1	March 12, 2020	March 16, 2020	March 26, 2020	April 8, 2020	April 20, 2020
	2	March 13, 2020	March 17, 2020	March 27, 2020	April 9, 2020	April 20, 2020
	3	March 19, 2020	March 23, 2020	April 2, 2020	April 15, 2020	April 27, 2020
	4	March 20, 2020	March 24, 2020	April 3, 2020	April 16, 2020	April 27, 2020
Internet Choice	N/A	March 13, 2020	March 17, 2020	March 27, 2020	April 9, 2020	April 20, 2020

(*) Targeted only to nonresponding households

2020 Census
Different approaches for different parts of the county

We go to extraordinary lengths to count everyone once, only once, and in the right place

- Update Leave
    - Update the address frame and deliver questionnaires in geographic areas where the majority of housing units do not have mail delivered to the physical location of the address
    - Areas that have experienced recent and significant changes to the housing stock – for example natural disasters such as a hurricane or forest fire

- Update Enumerate
    - Update the address frame and enumerate respondents in geographically remote areas with low housing unit density, are sparsely populated, or have challenges with accessibility, including:
        - Remote Areas of Maine and Alaska
        - Select Tribal Areas

- Remote Alaska
    - Sub-operation of Update Enumerate and largely follows the listing and enumeration process of Update Enumerate
    - Work in partnership with Village Leaders to identify and hire enumerators who speak the local language and can translate and facilitate the collection of census response data
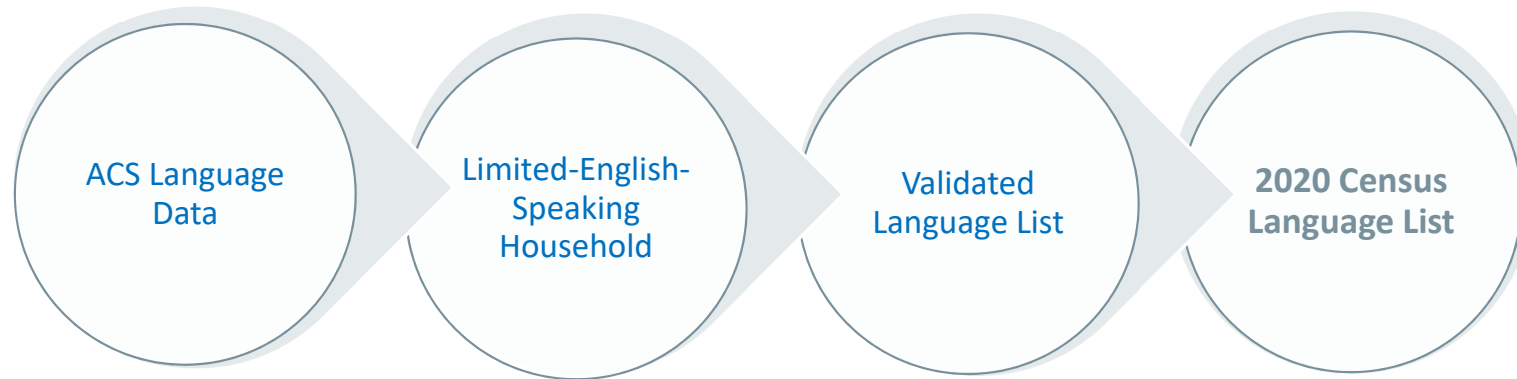
United States™ Census Bureau

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

2020 Census
Special Populations – group quarters and service-based enumerations

We go to extraordinary lengths to count everyone once, only once, and in the right place

- Group Quarters (GQs) Enumeration
  - Places where people live or stay, in a group living arrangement, that are owned or managed by an entity or organization providing housing and/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).

- Service-Based Enumeration
  - Provides an opportunity for people without conventional housing or people experiencing homelessness to be included in the census by enumerating them at places where they receive services or at pre-identified outdoor locations.

- Enumeration at Transitory Locations
  - Highly mobile populations that do not have a usual home elsewhere (e.g. campgrounds, recreational vehicle parks, marinas, hotels and motels, racetracks, circuses, or carnivals).

- Federally Affiliated Count Overseas
  - Obtain counts by home state of U.S. military and federal civilian employees stationed overseas and their dependents living with them.
  - Receive administrative records from Defense Manpower, as well as from Federal agencies who have staff stationed overseas.

- Military Enumeration
  - Involves enumeration of people living in GQs (or barracks) on military installations or military vessels.

United States **Census** Bureau

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

2020 Census Non-English Support

Language Determination

ACS Language Data → Limited-English-Speaking Household → Validated Language List → 2020 Census Language List

ACS Language Data (2016 5-year estimates)

- Languages spoken for all households

Limited-English-Speaking Household Language Data

- Languages spoken among households where there is **no one 14 years or older who speaks English only or speaks English "very well"**
- Cutoff at 2,000+ and 60,000+ limited-English-speaking households

Validate Languages

- Verified with regional and state level data
- Assessed translation feasibility
- Added American Sign Language

2020 Census Non-English Support

Non-English Languages for Internet Self-Response, Census Questionnaire Assistance

	Limited-English-Speaking Households (MOE)	Cumulative Percent of Total Limited-English-Speaking Households
Spanish	3,186,101 (12,273)	60.3
Chinese	447, 785 (3,571)	68.8
Vietnamese	174,439 (2,844)	72.1
Korean	166,917 (2,619)	75.2
Russian	145,174 (2,497)	78.0
Arabic	89,739 (2,255)	79.7
Tagalog	69,772 (1,664)	81.0
Polish	65,603 (1,665)	82.3
French	64,108 (1,620)	83.5
Haitian Creole	63,220 (1,918)	84.7
Portuguese	62,881 (2,063)	85.9
Japanese	59,586 (1,682)	87.0

2010 (100,000 or more)

2020 (60,000 or more)

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

United States Census Bureau

2020 Census Non-English Support Changes
Data Collection Instruments and Materials

Instrument	2020 Non-English Support	2010 Non-English Support
Internet Self-Response	• **12 Non-English Languages** Spanish, Chinese (Simplified), Vietnamese, Korean, Russian, Arabic, Tagalog, Polish, French, Haitian Creole, Portuguese, Japanese • Selection Criteria: 60,000 or more housing units	• Not in Scope Questionnaires in 5 non-English languages, available via phone request or pickup Selection Criteria: 100,000 or more housing units
Census Questionnaire Assistance	• **12 Non-English Languages** Spanish, Chinese (Mandarin and Cantonese), Vietnamese, Korean, Russian, Arabic, Tagalog, Polish, French, Haitian Creole, Portuguese, Japanese • Selection Criteria: 60,000 or more housing units	• 5 Non-English Languages (Spanish, Chinese, Korean, Vietnamese, Russian) • Selection Criteria: 100,000 or more housing units
Enumerator Instrument	• Spanish	• Not in scope

2020 Census Non-English Support Changes
Data Collection Instruments and Materials (cont'd)

Material	2020 Non-English Support	2010 Non-English Support
Language Glossary	• 59 Non-English Languages	• Not in scope
Language Identification Card	• 59 Non-English Languages	• 50 Non-English Languages
Language Guides (Video and Print)	• 59 Non-English Languages • Video shells and print templates for additional languages	• 59 Non-English Languages • Shells/templates not in scope
Bilingual Paper Questionnaire Bilingual Mailing Field Enumeration Materials	• Spanish	• Spanish

2020 Census Non-English Support

All Non-English Languages (order: 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 Sign Language
Japanese	Gujarati	Bosnian	Dutch	

United States™ Census Bureau

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

2020 Census
Nonresponse Followup

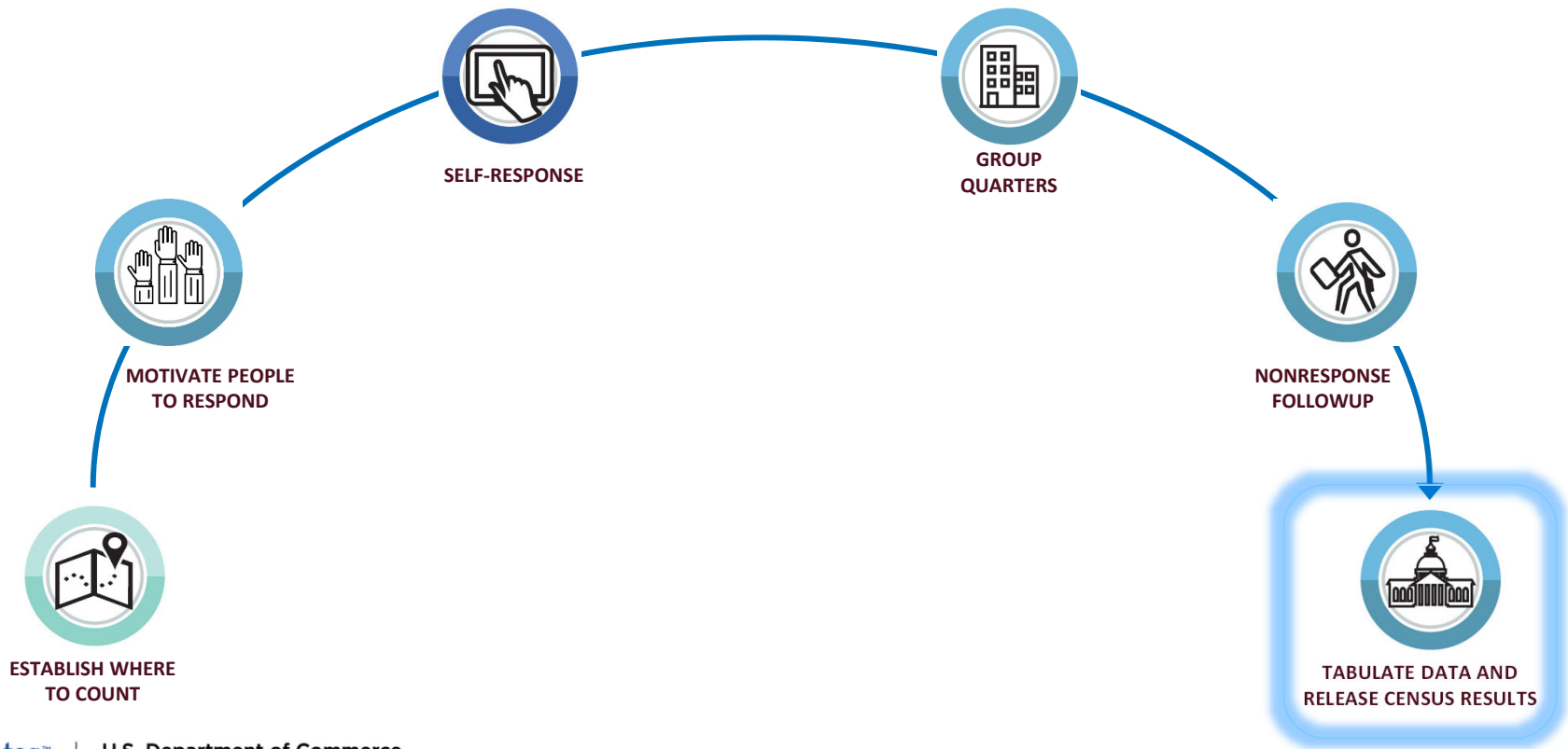**Collect data from all households, including group and unique living arrangements**

- 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

- Operations such as recruiting, training, and payroll will be automated, reducing the time and staff required for these activities

- Phased approach will ensure accurate and complete count

2020 Census
Nonresponse Followup Administrative Records Usage

- Administrative Records (AdRec) modeling will classify households in the Nonresponse Followup (NRFU) operation as occupied, vacant, or nonexistent.

- For AdRec Vacant/Nonexistent:
  - Enumerators conduct one personal visit at the address to determine the unit status and/or attempt an interview
  - If the attempt isn't successful, but the visit results in an indication that the unit is occupied, the address will remain in the NRFU workload for subsequent visits
  - If the attempt isn't successful, but results in an indication that the unit is unoccupied or doesn't exist, and recent Census mailings to the address have been returned as undeliverable, the AdRec Vacant/Nonexistent status will be used for the address
  - If recent Census mailings to the address have successfully been delivered, regardless of the results of the first attempt, the address will remain in the NRFU workload for subsequent visits

- For AdRec Occupied:
  - Enumerators conduct one personal visit at the household to attempt an interview
  - If attempt isn't successful, and high quality AdRecs for that household exist showing stable historical housing, it is enumerated using AdRec

2020 Census
Tabulate and Release Census Results

SELF-RESPONSE

GROUP
QUARTERS

MOTIVATE PEOPLE
TO RESPOND

NONRESPONSE
FOLLOWUP

ESTABLISH WHERE
TO COUNT

TABULATE DATA AND
RELEASE CENSUS RESULTS

United States Census Bureau

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

Disclosure Avoidance

Household swapping was used in 2000 and 2010

- Advantages of swapping:
  - Easy to understand
  - Can be run state-by-state
  - Operation is "invisible" to the rest of census
    processing
- Disadvantages:
  - Does not consider or protect against database reconstruction attacks
  - Swap rate and details of swapping must remain confidential
  - Privacy guarantee based on the lack of external data

The 2020 Census will use Differential Privacy

- Advantages:
  - Privacy guarantees are *tunable and provable*
  - Privacy guarantees are *future-proof*
  - Privacy guarantees are *public and explainable*
  - Protects against *database reconstruction*
- Disadvantages:
  - Entire country must be processed at once for best accuracy
  - Every use of private data must be tallied in the *privacy-loss budget*

United States™
Census
Bureau

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

40

Disclosure Avoidance

- The Disclosure Avoidance System (DAS) assures that the 2020 Census data products meet the legal requirements of Title 13, Section 9 of the U.S. Code.

- The DAS is designed to prevent **improper disclosures of data about individuals and establishments** in the 2020 census data products.

- Stakeholders: All users of data from the 2020 Census

Data Release Schedule

Legally required products

- Apportionment
  - NLT 12/31/2020
  - Federally Affiliated Count Overseas + Resident Population

- P.L. 94-171 Redistricting Data
  - Geography – 12/1/2020 through 2/1/2021
  - Tabulation Data – 2/18/2021 through 3/31/2021
  - Resident Population only
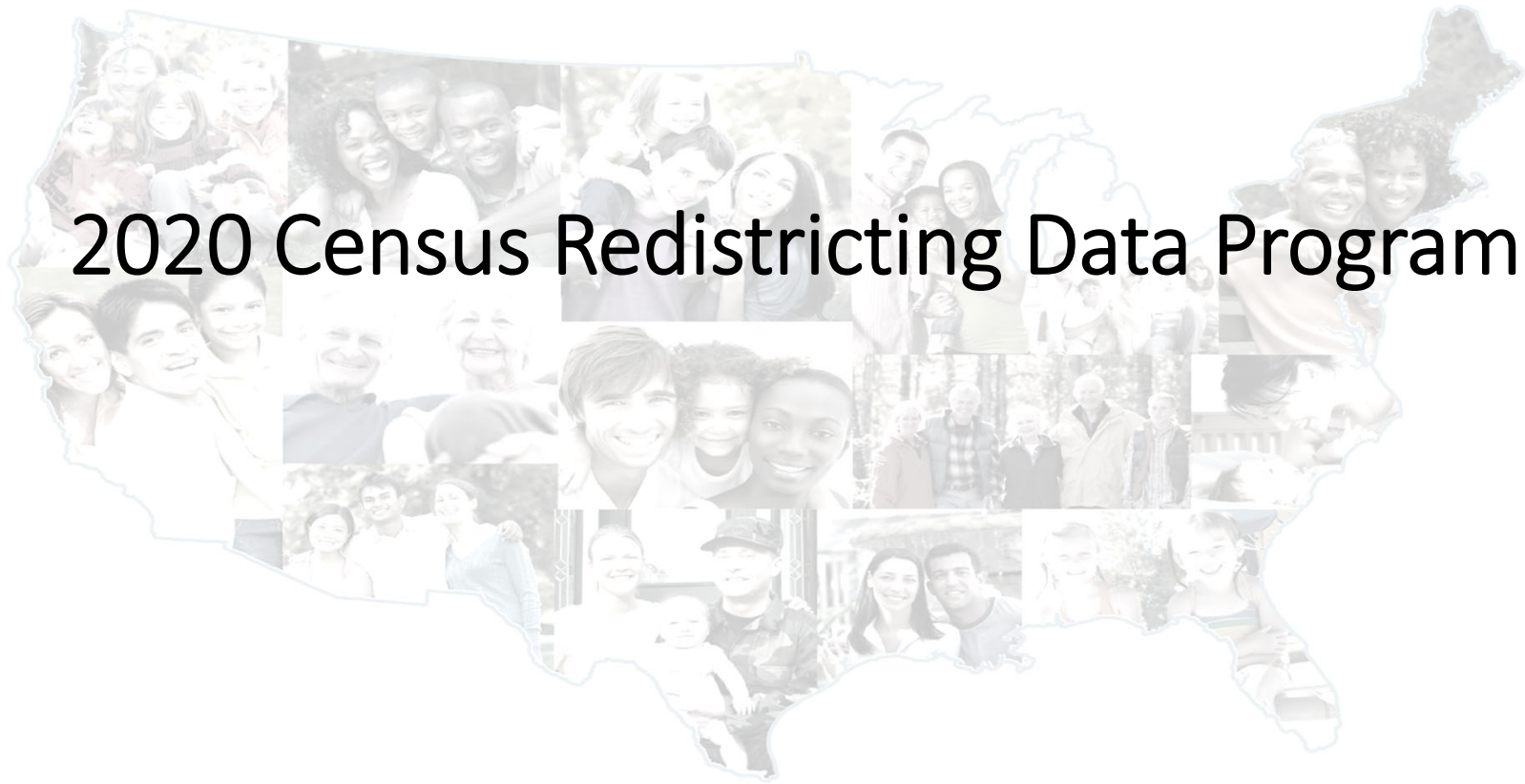
Data Release Schedule

Additional Data Products

- 2020 Product Plan
  - Expected Summer 2019

- 2010 Release schedule
  - Demographic Profiles – May 2011
  - Summary File 1 – Summer 2011
  - Summary File 2 – December 2011 through April 2012
  - Urban Rural Update – September 2012
  - Congressional District Summary File (113th Congress) – April 2013

United States **Census** Bureau

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

2020 Census
A Complete and Accurate Count of the Population and Housing

SELF-RESPONSE

GROUP QUARTERS

MOTIVATE PEOPLE TO RESPOND

NONRESPONSE FOLLOWUP

ESTABLISH WHERE TO COUNT

TABULATE DATA AND RELEASE CENSUS RESULTS

Count everyone once, only once, and in the right place.

2020 Census Redistricting Data Program

United States™ **Census** Bureau

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

Public Law 94-171

Mission: Provide the officers or public bodies having initial responsibility for the legislative apportionment or districting of each State an opportunity to identify the geographic areas for which specific tabulations of population are desired and to deliver those tabulations in a timely manner.

Identified "geographic areas desired":
- Census Tabulation Blocks
- Voting Districts (e.g. precincts, wards, etc.)
- Legislative and Congressional Districts

Requirements:
- Establish program criteria
- Identify required tabulations
- Conduct the program in a non-partisan manner
- Deliver the tabulations to the governor and the officers or public bodies having initial responsibility for the legislative apportionment or districting of each State no later than 1 year from Census Day (April 1, 2021)

2020 Redistricting Data Program

- Phase 1 – The Block Boundary Suggestion Project (BBSP)
- Phase 2 – The Voting District Project (VTDP)
- Phase 3 – Data Delivery
- Phase 4 – Collection of the new plans
  - 118th Congressional Plans
  - New State Legislative District Plans
- Phase 5 – The View From the States
  - The evaluation of the 2020 Redistricting Data Program (RDP), the recommendations from the states, and the plan for the 2030 RDP

United States™
Census
Bureau

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

Timing

Phase 3 – Prototype Data

Activity	Date
Prototype geographic support products	January 2019 – February 2019
Prototype P.L. 94-171 Redistricting Data	March 2019

Phase 3 – Official Data

Geographic support products	November 2020 – February 2021
P.L. 94-171 Redistricting Data	February 2021 – March 31, 2021

Products

Phase 3 – Geographic Products

2018 Prototype	2020 Official
Shapefiles	Shapefiles
Maps	Maps
Block Assignment Files	Block Assignment Files
	Block to Block Relationship Files

- Shapefiles – geographic information system geometry files
- Maps (PDF only) – County Block; Voting District/State Legislative District; Tract; School District
- Block Assignment Files – tables identifying the blocks used to build different geographic entities
- Block to Block Relationship Files – Crosswalk of 2010 blocks to 2020 blocks

Products

Phase 3 – Tabulations
Prototype P.L. 94-171 Redistricting Data File

Final 2018 Prototype P.L. 94-171 Redistricting Data File Design
Table P1 – Race
Table P2 – Race for the Population 18 Years and Over
Table P3 – Hispanic or Latino, and not Hispanic or Latino by Race
Table P4 – Hispanic or Latino, and not Hispanic or Latino by Race for the Population 18 and Over
Table H1 – Occupancy Status (Housing)
New Table
Table P5 – Group Quarters Population by Group Quarters Type

- Multiple geographies including census block
- Group quarters is total population only, no demographic breakdown
- Final 2020 P.L. 94-171 Redistricting Data File design expected summer of 2019

Group Quarters Assistance

- On February 8, 2018, the Census Bureau published a Federal Register Notice on the Final 2020 Census Residence Criteria and Residence Situations. In that Notice, the Census Bureau stated our intention to continue counting prisoners at the correctional facility as we determined that is most consistent with the concept of usual residence, as established by the Census Act of 1790. However, the notice also stated:

    - *Therefore, following the 2020 Census, the Census Bureau plans to offer a product that states can request, in order to assist them in their goals of reallocating their own prisoner population counts.*

United States™
Census Bureau

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

51

Group Quarters Assistance

- The solution for the "product/service" listed in the Residence Criteria and Situations FRN has been identified as the Census External Geocoder.

- The CRVRDO will put up a web landing page with language about redistricting, the geocoding service, and instructions on its use

- The CRVRDO will be the first line contact office for users of the service for purposes of redistricting

- Use the existing public geocoding service as currently scaled
  - 10,000 address limit for external users (open to the public)
  - Option for state redistricting officials, and only state officials, to submit a larger list for batch geocoding through SWIM (CENTURION)
  - The service is GQ/Address agnostic so it can be used for students, military, and prisons as needed by different states

United States™
Census
Bureau

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

Group Quarters Assistance

- The submitted addresses must be in the formats specified by GEO for submission to the geocoding tool
  - This format requires a user defined unique identifier
- The geocoder will add the x/y coordinates and the associated geographic (county/tract/block) identifiers to the address record
- For the large batch option:
  - We will not modify the incoming file, it must be in the same GEO prescribed format as if submitted to the external service
  - We will not modify the outgoing file beyond what the geocoder does when it adds the x/y coordinates and geographic identifiers
  - The CRVRDO will provide the external support to the states
  - The CRVRDO will work internally to submit the batch files to the geocoder
  - The CRVRDO will return the batch files to the sender through our secure email system, Accellion

United States™
Census
Bureau

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

53

Group Quarters Assistance

What the solution won't do

- The solution will not provide new tabulations

- The solution will not change the P.L. 94-171 Redistricting Data Tabulations

- The solution will not link to census person records

- The solution will not utilize geocoding systems not available to the public

How this helps the states

- The states can verify/identify the locations of their GQs by using the geocoder to assign geographic identifiers to their GQ address list.

- The states can use the GQ address list, the user-defined unique identifiers and the returned geographic identifiers to create their own tabulation adjustment tables.

- The states can incorporate their race, ethnicity, and age data associated with each record and their tabulation adjustment table by linking it through the user defined unique identifier.

Voting Rights Tabulations

Citizen Voting Age Population by Race and Ethnicity
- Annual Tabulation
- Calculated using the American Community Survey 5-year estimates
- Added Congressional and State Legislative Districts for 2018 and future releases
- Typically released in the 1st week of February each year

Section 203 Language Determinations
- New determinations conducted every 5 years
- Identifies counties or townships where language assistance is needed for voting
- Calculated using the American Community Survey 5-year estimates
- Last published in the Federal Register –12/5/2016, next publication estimated 12/2021

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

Where to get the data?

Decennial Census of Population and Housing

WWW.CENSUS.GOV/RDO

Redistricting Data Program

REDISTRICTING & VOTING RIGHTS DATA OFFICE (RDO@CENSUS.GOV OR 301-763-4039)

About the Decennial Census
- Why a Census?
- History of the Census
- Census in the Constitution
- Decennial and the American Community Survey (ACS)
- Coverage Measurement
- Local Update of Census Addresses Operation (LUCA)
- New Construction Program
- Participant Statistical Areas Program (PSAP)
- **Redistricting**
- Voting Rights
- Related Sites

Information for Respondents

By Decade

MAY 05, 2017
Redistricting Data Program Congressional Districts
Guidance and access to information about congressional districts and congressional district products.

MAY 08, 2017
Redistricting Data Program State Legislative Districts
Guidance and access to information about state legislative districts and state legislative district products.

MAY 08, 2017
Decennial Census P.L. 94-171 Redistricting Data Summary Files
Guidance and documentation to assist in accessing P.L. 94-171 Redistricting Data

Redistricting Data Program Management
Guidance about and for participation in the Redistricting Data Program for the current and past Decennial Censuses.

Voting Rights

Prototype Data (Phase 3) in March 2019

Official Data in 2021

United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

57

Thank you!

James Whitehorne

Chief – Census Redistricting & Voting Rights Data Office

www.census.gov/rdo

rdo@census.gov

301-763-4039