

SDC

The U.S. Census Bureau's
Premier Local Partner

2016 State Data Center Annual Training Conference

April 4-8, 2016

U.S. Census Bureau Headquarters

Briefing to the NY SDC Affiliate Meeting on the 2016 National SDC Meeting

- Data Dissemination Tools New and Old
 - American FactFinder Going Away
 - Data Ferrett Sticking Around
- Municipal Boundaries Corrected and Updated
- 2020 Census
 - Reengineered and Innovative
 - Local Update of Census Addresses (LUCA)
 - Administrative Records in Non-Response Follow Up (NRFU)

Data Dissemination Tools

Yes, FactFinder is going away

- FactFinder scheduled for “retirement” in 2017
- This presentation is about what comes next

What is CEDSCI?

- CEDSCI = Census Bureau's **Center for Enterprise Dissemination Services and Consumer Innovation**
- CEDSCI is looking to **centralize and standardize** the data, metadata, and software needed to build dissemination tools and **provide easy access** to public use content to improve the users' experience.

Future vision

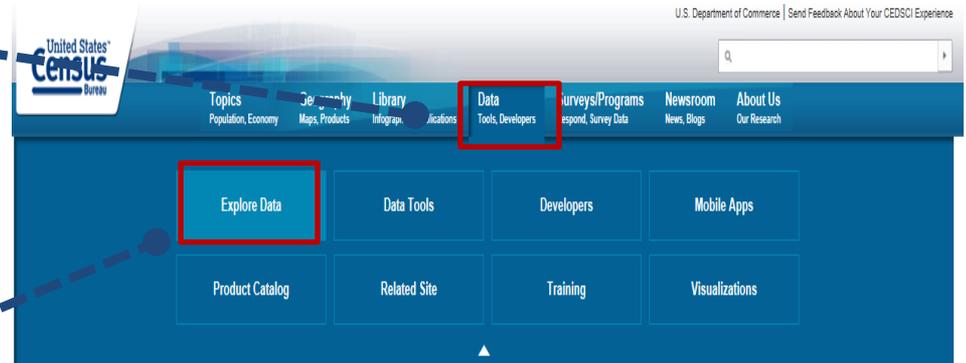
- **Current situation:** Census Bureau has several public data tools -- AFF, Quick Facts, Easy Stats, DataFerrett, others. All with their own **data and metadata databases**, infrastructure, software. Duplication exists in many of these systems.
- **Future vision:**
 - 1. Centralizing and standardizing, thus reducing data and systems management burden. Efficiency benefits!
 - 2. Taking a customer focused approach to dissemination.

CEDSCI, *the* new platform

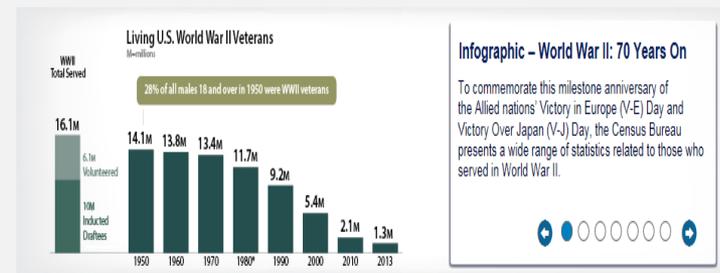
- **How?** – At the Bureau, CEDSCI will provide the platform for publication of public data:
 - Centralized Data and Metadata Repository
 - Centralized Services
 - Tables
 - Maps
 - Search
 - Visualizations
- All new data tools and apps deployed by Census Bureau will utilize CEDSCI services.
- Should be simple to end users. New tools and apps will be marketed simply as **Census.gov**

Navigating to Explore Data Page

Step 3: Click on the Data Tab at the top of the page.



Step 4: Click on the Explore Data Box.

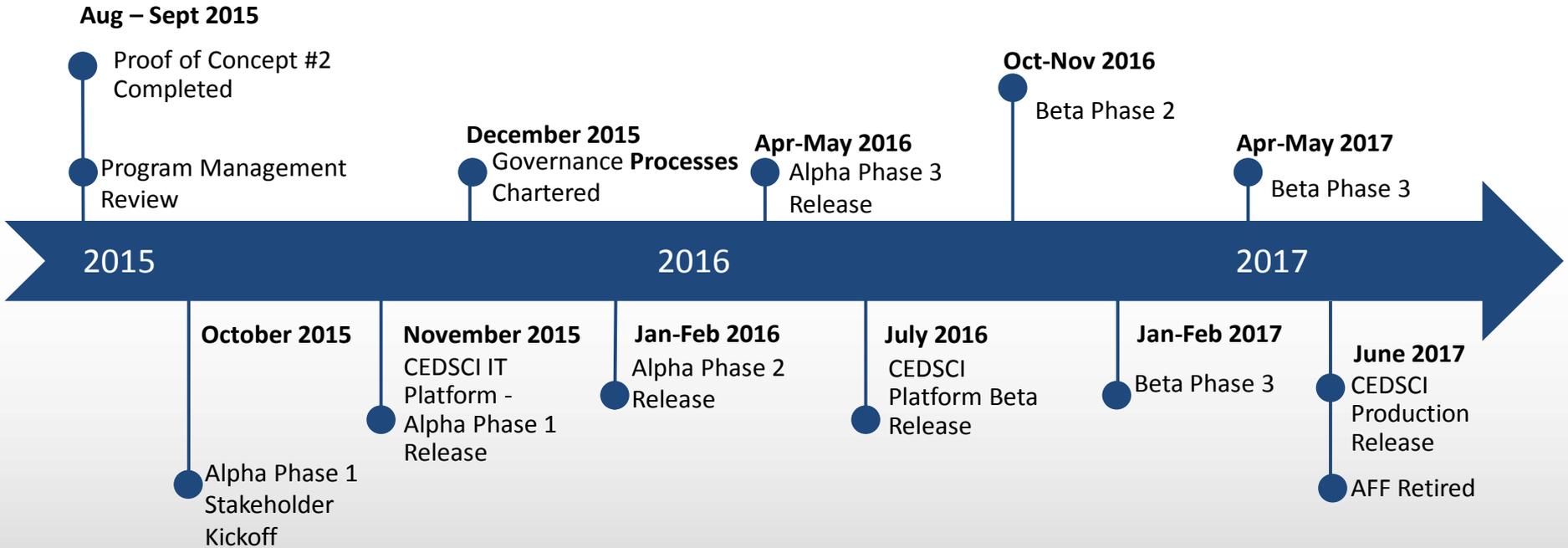


Explore The Data

Step 5: Begin using the new tool!!

The screenshot shows the U.S. Census Bureau Data Explorer interface. At the top, there is a navigation bar with the following tabs: Topics, Geography, Library, Data, Surveys/Programs, Newsroom, and About Us. Below the navigation bar, the main content area is titled "Data Explorer" and "Explore The Data". The interface includes a sidebar on the left with links for "Data Tools And Apps", "Developers", "Mobile Apps", "Product Catalog", "Related Sites", "Software", "Training and Workshops", and "Visualizations". The main content area features a "YOUR SELECTIONS" section, a "TOPICS" section with a search input and a list of categories (Demographic Characteristics, Economic Characteristics, Education, Educational Attainment, Families, Fertility, Geographic Characteristics), and a "LOCATIONS" section with a search input and a "Show Map" button. A "Get Data" button is located at the bottom of the interface.

Timeline



TheDataWeb

Hands-on Exercise Using DataFerrett
Current Population Survey –
Annual Social and Economic (ASEC) Supplement

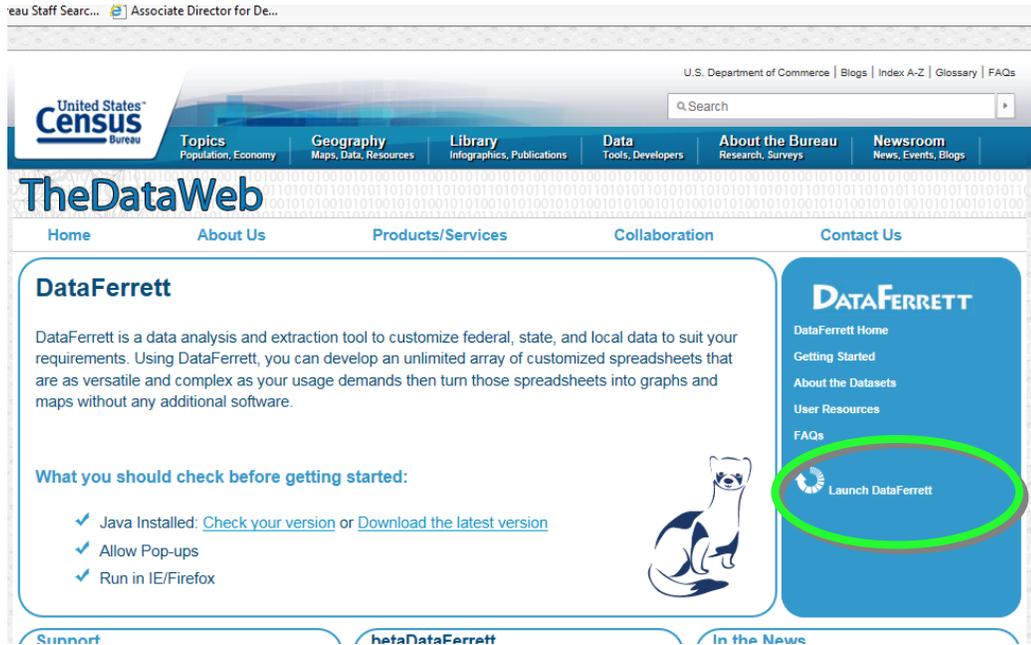
U.S. Census Bureau

DataFerrett Help
<http://dataferrett.census.gov/>
1-866-437-0171 (toll free)
dsd.ferrett@census.gov

Question: What are the rates of health care coverage for children by sex and race?

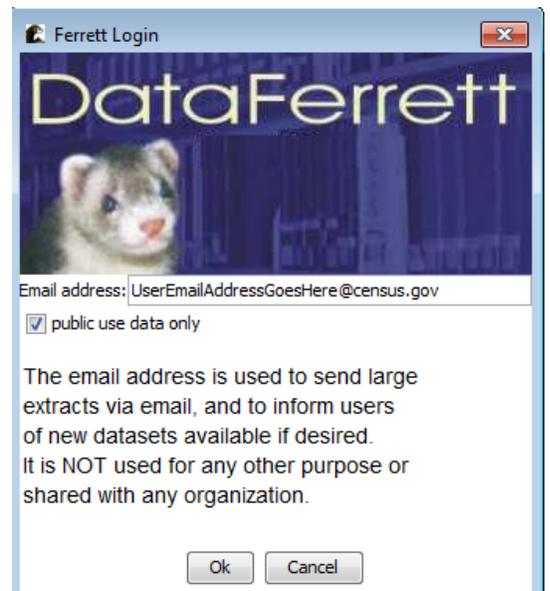
START DATAFERRETT

1. CLICK LAUNCH DATAFERRETT ON THE WEBSITE:



2. ENTER YOUR EMAIL ADDRESS AND SELECT OK.

NOTE: The DataFerrett Team only uses the email address when returning downloaded data or responding to help messages and on occasion to send out an announcement regarding special notices. It does not give your email address out.



Municipal Boundaries

Boundary and Annexation Survey (BAS)

- Annual, voluntary survey to collection legal status and boundary updates for tribal, state, and local governments.
- Boundary updates submitted as part of the BAS must be legally in effect on or before January 1st of each BAS year.
- Boundary updates submitted March 1st are reflected in the American Community Survey and Population Estimates data.
- Boundary updates submitted by May 31st are reflected in the following year's BAS materials (digital files and paper maps)

Boundary and Annexation Survey (BAS)

- Governmental Units (GUs) included in the BAS:
 - Counties
 - Minor Civil Divisions (MCDs)
 - Incorporated Places
 - Consolidated Cities (e.g. Louisville/Jefferson County)
 - American Indian reservations and federally recognized off-reservation trust lands

Boundary and Annexation Survey (BAS)

- Why do we conduct the BAS?
 - Ensure that population and housing counts are assigned to the correct geography in all Census Bureau products.
 - Support the Office of Management and Budget (OMB) Circular No. A-16
 - Collecting and maintain boundaries for legal areas
 - Geo.data.gov
 - The National Map (<http://nationalmap.gov/>)
 - Present statistics for various censuses and surveys:
 - American Community Survey (ACS)
 - Population Estimates Program (PEP)
 - Economic Census
 - Decennial Census Programs

Boundary and Annexation Survey (BAS)

- Why should governmental units respond to the BAS?
 - Local officials know their geography best
 - State, county, city, and tribal areas will all benefit from a more accurate data tabulation
 - The BAS has implications for the allocation of federal funds, and in some states, state funds as well
 - Provides important information for community planning and decision-making

Boundary and Annexation Survey (BAS)

- How does the Census Bureau determine the BAS contact?
 - Local officials tell us.
 - A local government employee responding to the BAS for consecutive years will be assigned as the BAS contact.
 - If we have not received a BAS response for several years, we will attempt to establish a contact in either the local planning or GIS department.
 - The State Data Center (SDC) provides contact updates to the Census Bureau during the telephone follow-up phase of BAS.
 - If contact cannot be established, the BAS materials are mailed to the Highest Elected Official (HEO).
 - For federally recognized tribes, the BAS materials are mailed to the Tribal Chairperson unless the tribe provides another contact.

2016 BAS Schedule

Activity	Date(s)
Annual Response information emailed	December 2015/January 2016
Annexations must be effective by this date in order to be processed	January 1, 2016
Deadline for BAS submission to be included in Population Estimates Program and the American Community Survey	March 1, 2016
State Data Center non-response follow up	March/April 2016
Deadline for BAS submission to be reflected in 2017 BAS Materials	May 31, 2016

BAS County Agreements

- The county government responds to the BAS for governmental units within their jurisdiction.
- County agreement does not require every entity to sign on
- County participation improves the BAS process by:
 - Reducing the burden on local governments
 - Improving the completeness of the reported boundary data

BAS Website

- **BAS Website:** Contains BAS program information, schedule, BAS maps and shapefiles, BAS forms, etc:

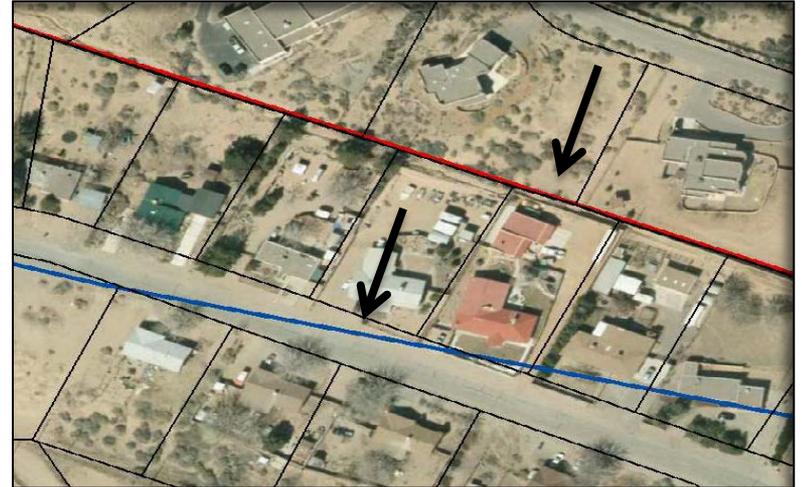
<http://www.census.gov/geo/partnerships/bas.html>

The screenshot shows the U.S. Census Bureau website interface. At the top, there is a navigation bar with the Census Bureau logo and a search box. Below the navigation bar, there is a breadcrumb trail: "You are here: [Census.gov](#) > [Geography](#) > [Partnerships](#) > Boundary and Annexation Survey". The main heading is "Geography". Below this, there is a sub-navigation bar with links: "Main", "About", "Maps & Data", "Reference", "Partnerships", "Education", "Research", "GSSJ", and "Contact Us". The main content area is titled "Partnerships" and features a sidebar with a list of links: "Partnerships Main Page", "American Indian and Alaska Native Programs", "Boundary and Annexation Survey", "Federal Register Notices", "School District Review Program", "2010 Participant Programs", and "2000 Participant Programs". The main content area is titled "2016 Boundary and Annexation Survey (BAS)" and contains a paragraph describing the survey: "The U.S. Census Bureau conducts the Boundary and Annexation Survey (BAS) annually to collect information about selected legally defined geographic areas. The BAS is used to update information about the legal boundaries and names of all governmental units in the United States. The Census Bureau uses the boundary information collected in the BAS to tabulate data for the decennial and economic censuses, and annual estimates and surveys such as the [Population Estimates Program](#) and the [American Community Survey](#)." Below this paragraph, there is a list of quick links: "+ What's New?", "+ Review BAS Materials", "+ Report 'No Change' After Review of Materials", "+ Submit Contact Information Changes or Request a SWIM Token", "+ Report BAS Changes", and "+ BAS Tutorial Videos and Webinar Information". There are also two columns of links: "Annual Response", "Schedule", "Response Methods", "Download Respondent Guides", "Download Maps and Shapefiles", "GUPS Installation and Data Download Instructions", "State Agreements", "County Consolidation Agreements", "State Certification", "Incorporations, Mergers, Consolidations and Disincorporations", "BAS Codes", "Legal Boundary Change/Annexation Data", and "BAS 2014 Suspension Information". At the bottom of the main content area, there are links for "Related Program Links", "Frequently Asked Questions (FAQs)", "Contact Information", and "Subscribe to BAS Email Updates". At the very bottom of the page, there is a small disclaimer: "[PDF] or [PDF icon] denotes a file in Adobe's Portable Document Format. To view the file, you will need the Adobe® Reader® [PDF icon] available free from Adobe. This symbol [PDF icon] indicates a link to a non-government web site. Our linking to these sites does not constitute an endorsement of any products, services or the information found on them. Once you link to another site you are subject to the policies of the new site."

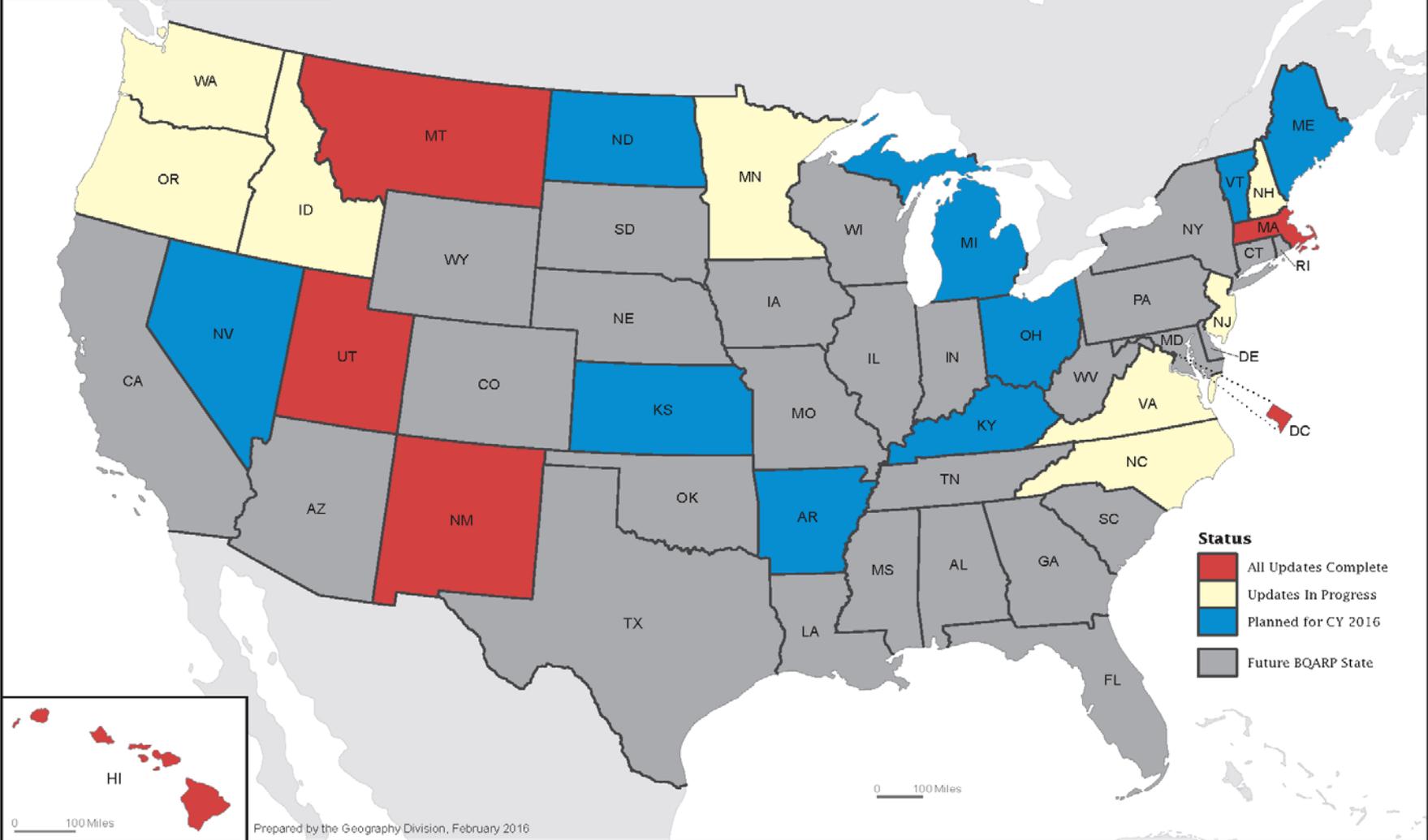
Boundary Quality Assessment and Review Program (BQARP)

BQARP

- Pilot project comparing locally sourced data to adjust Census Bureau boundaries, where necessary
- Coordinating efforts with state partners
 - **North Carolina:** Worked with state to acquire surveyed county boundaries
- Improving the spatial quality of legal and administrative boundaries within the MAF/TIGER System
 - Establish spatial accuracy for each boundary section
 - Lock boundaries in place to avoid changes without legal documentation
- Accurate legal boundaries will improve the quality of demographic statistics and assure that subsequently funding and fund allocation through the Census Bureau counts are accurately distributed



Boundary Quality Assessment and Reconciliation Project (BQARP)
Program Status as of February 2016



- Status**
- All Updates Complete
 - Updates In Progress
 - Planned for CY 2016
 - Future BQARP State



2020 Census

The 2020 Census

Goals and Key Innovation Areas

Overarching Goal: To count everyone once, only once, and in the right place

Challenge Goal: Conduct a 2020 Census at a lower cost per housing unit (adjusted for inflation) than the 2010 Census, while maintaining high quality results

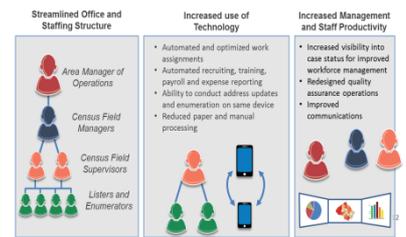
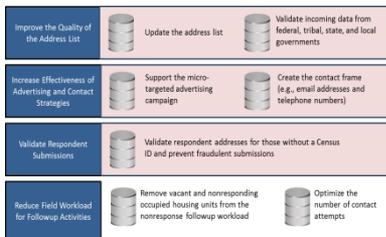
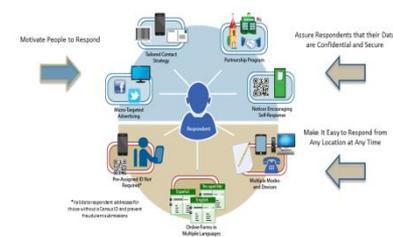
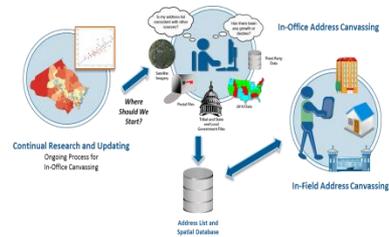
Focus on Four Key Innovation Areas

Reengineering Address Canvassing

Optimizing Self-Response

Utilizing Administrative Records and Third-Party Data

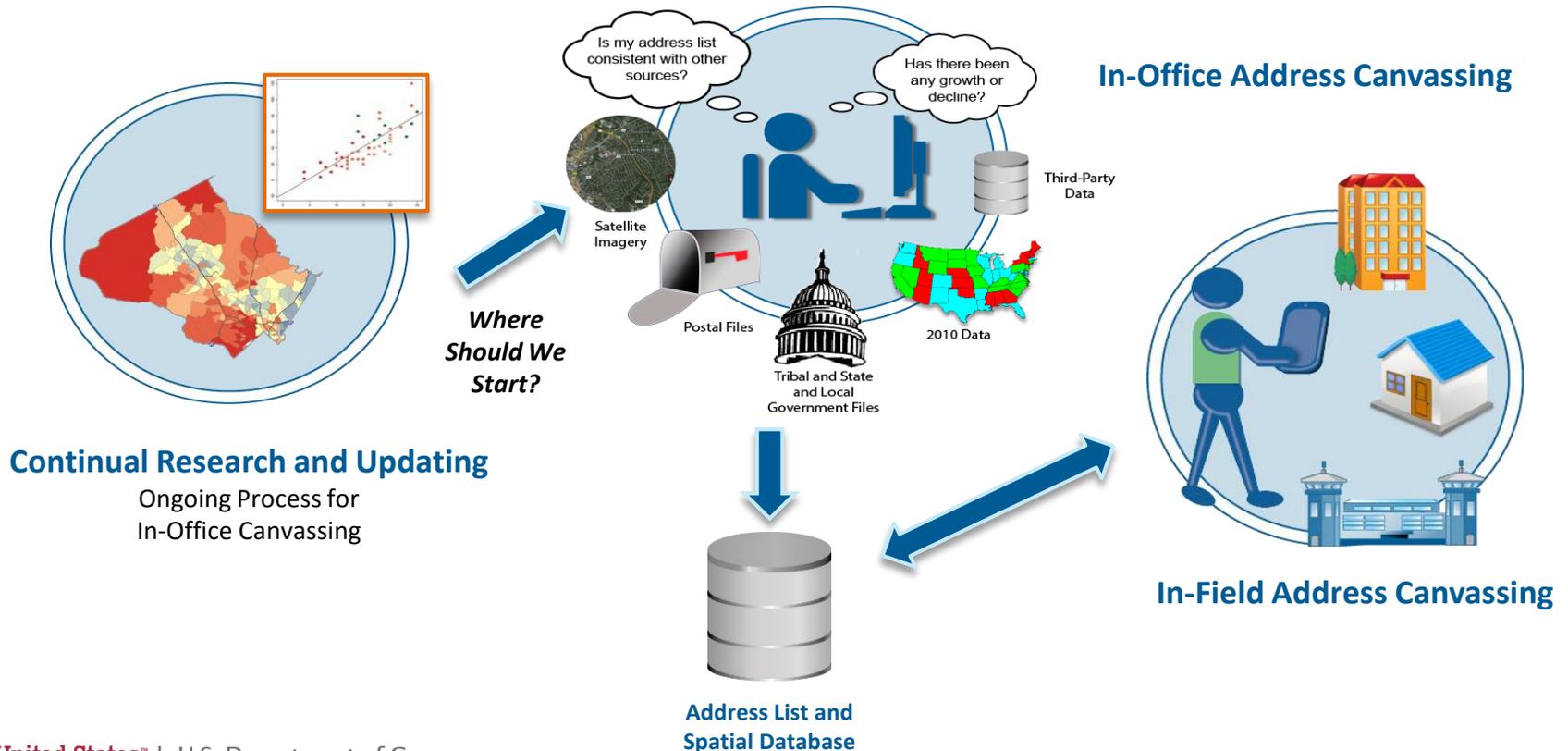
Reengineering Field Operations



The 2020 Census: Establish Where to Count

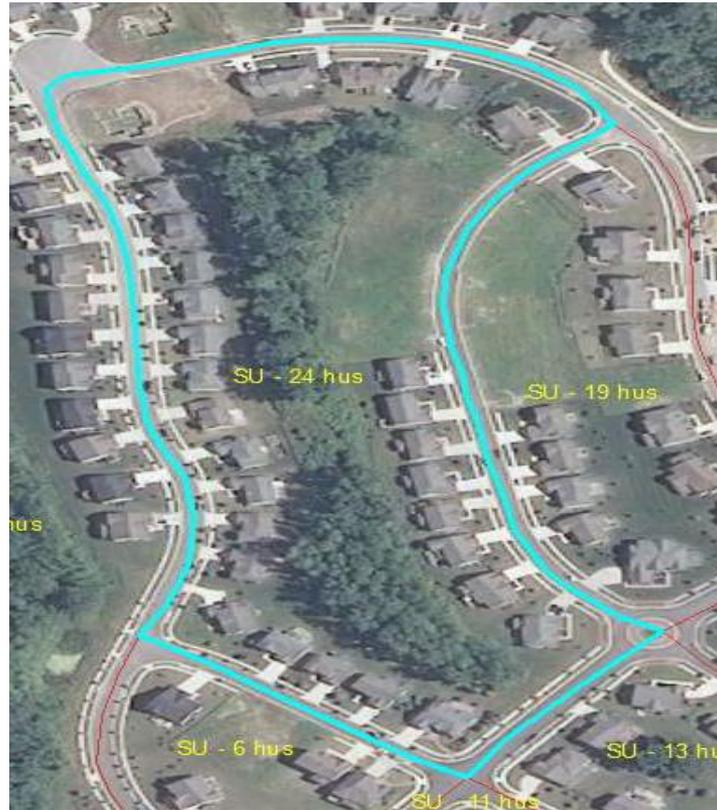
2020 Census Address Canvassing

Reduce the nationwide In-Field Address Canvassing by developing innovative methodologies for updating and maintaining the Census Bureau's address list and spatial database throughout the decade.



The 2020 Census: Establish Where to Count

Reengineering Address Canvassing Aerial Imagery



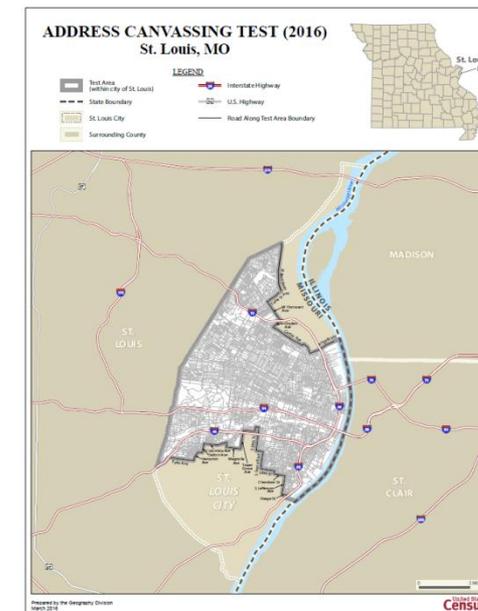
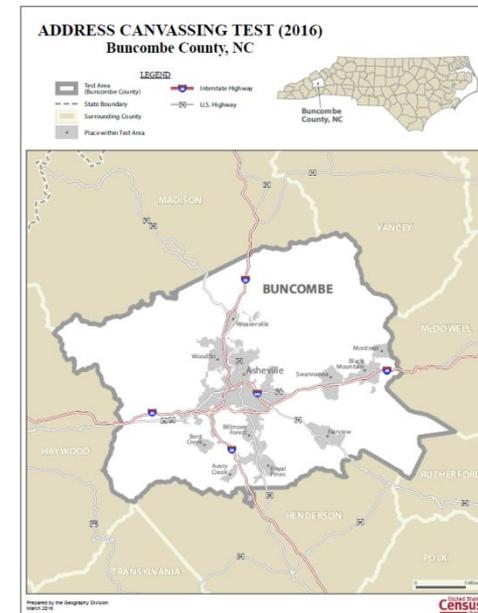
Address Canvassing Test

Overview

- Begins in the Fall 2016
- Two contiguous sites, approximately 12,600 blocks in total
 - One site is a mix of urban, suburban and rural territories
 - One site is a principal city of a metropolitan statistical area

Purpose

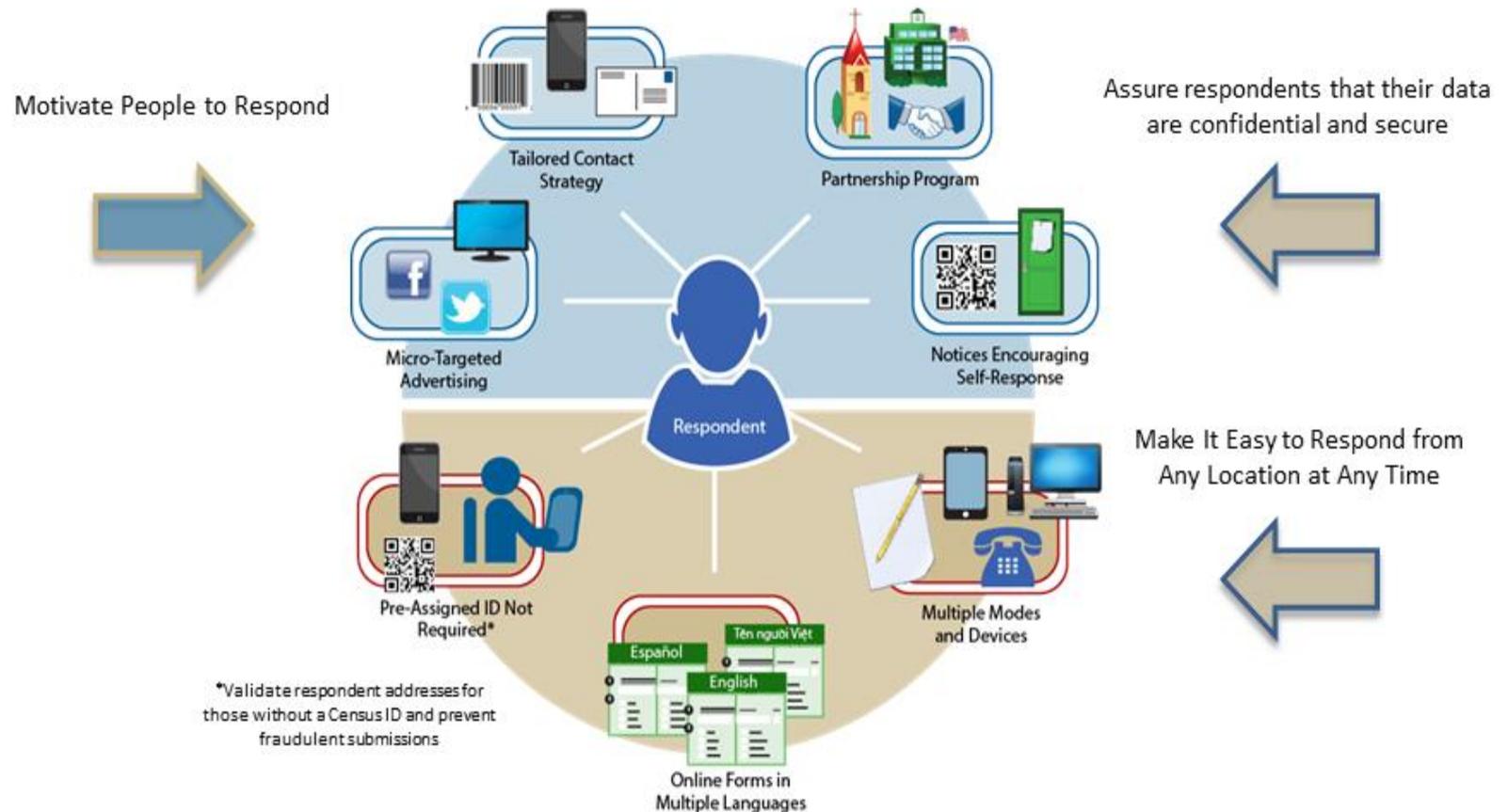
- Measure the effectiveness of In-Office Address Canvassing through In-Field Address Canvassing
- Measure the effectiveness of In-Field Address Canvassing
- Understand the implications of moving from Assignment Areas to Basic Collection Units (BCU)
- Conduct an In-Field Relisting to collect data to refine future Quality Control operations



The 2020 Census: Optimizing Self-Response

Motivate People to Respond

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



The 2020 Census: Optimizing Self Response

Motivate People to Respond: Internet (CEDCaP System)

New Internet Software Application PRIMUS

United States Census Bureau

FAQ Instructions Burden Statement

Select Language Save and Logout

Home > Household > Residence

Where will you be living on April 1, 2016 (Help)

Please select the type of address associated with your residence.

Note: If you have a street address associated with your residence, such as one you would provide to have a package delivered to your home, then please provide it here; not your P.O. Box or Rural Route address.

Street Address

Rural Route

P.O. Box

Address Number

000

Street Name

Main Street

Apt/Unit

Apt#

City

Anytown

State

District Of Co

ZIP Code

00000 x

Previous Next

73° 73° 73°

United States Census

Home > Household > Residence

Where will you be living on April 1, 2016 (Help)

Please select the type of address associated with your residence.

Note: If you have a street address associated with your residence, such as one you would provide to have a package delivered to your home, then please provide it here; not your P.O. Box or Rural Route address.

Street Address

Rural Route

P.O. Box

Address Number

000

Street Name

Main Street

Apt/Unit

Apt#

The 2020 Census: Optimizing Self Response

Motivate People to Respond: Non-ID Processing

United States Census Bureau | FAQ | Instructions | Burden | Select Language | Save and Logout

Home > Household > Residence

Where will you be living on April 1, 2016 (help)
Please select the type of address associated with your residence.

Note: If you have a street address associated with your residence, such as one you would provide to have a package delivered to your home, then please provide it here, not your P.O. Box or Rural Route address.

Street Address
 Rural Route
 P.O. Box

Address Number

Street Name

Apartment Number

City

State

Zip Code

Build: a652db5 | OMB No.: 0607-0989 | Approval Expires: 4/30/2017

[Accessibility](#) | [Privacy](#) | [Security](#)

United States Census Bureau | FAQ | Instructions | Burden | Select Language | Save and Logout

Address Standardization

Here is the address you submitted, using standard abbreviations and formatting.
Please review your address for common errors, such as misspellings in the street name or city names, missing apartment numbers, or an incorrect ZIP Code.

123 MAIN ST

Is the address above correct? (help)

Address Number

Street Name

Apartment Number

City

State

Zip Code

Build: a652db5 | OMB No.: 0607-0989 | Approval Expires: 4/30/2017

[Accessibility](#) | [Privacy](#) | [Security](#)

United States Census Bureau | FAQ | Instructions | Burden | Select Language | Save and Logout

Home > Household > Web Map

Otherwise, mark the "Cannot Locate Area" checkbox at the bottom of the page, then continue to the next page.

NOTE: New roads, especially those that are part of a new development, may not appear on the map. In these cases, click and highlight the area you believe contains your address, then click continue to the next page.

Satellite Legend Start Over

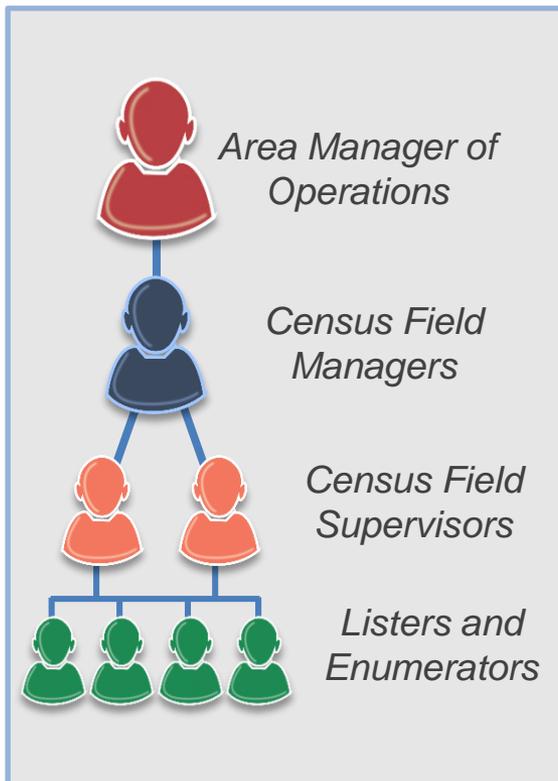
Cannot Locate Area Using the spatial tools found on the map.

The 2020 Census: Count the Population

Reengineering Field Operations

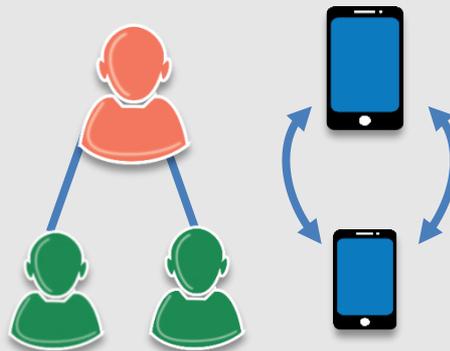
Use technology to more efficiently and effectively manage the 2020 Census fieldwork.

Streamlined Office and Staffing Structure



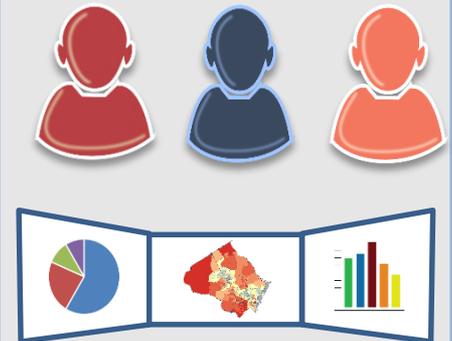
Increased use of Technology

- Automated and optimized work assignments
- Automated recruiting, training, payroll and expense reporting
- Ability to conduct address updates and enumeration on same device
- Reduced paper and manual processing



Increased Management and Staff Productivity

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



2016 Census Test

Reengineering Field Operations

The 2016 Census Test will allow us to operationalize our new methods and new technology across multiple locations and time zones during nonresponse followup.

Our objectives related to nonresponse follow up include:

- Determine the nonresponse followup strategy for the 2020 Census – how do we use administrative records to reduce the nonresponse followup universe and to determine the number of contacts we make with each nonresponding housing unit
- Refinement of the field management staffing structure
 - What is the best ratio of enumerators to local supervisors of operations and local supervisors of operations to field managers of operations
- Enhancements to the Operational Control System and COMPASS
- Refinement of the path in COMPASS to conduct proxy interviews
- Automated applications for field recruiting and administration
- Multi-unit accessibility and contact procedures

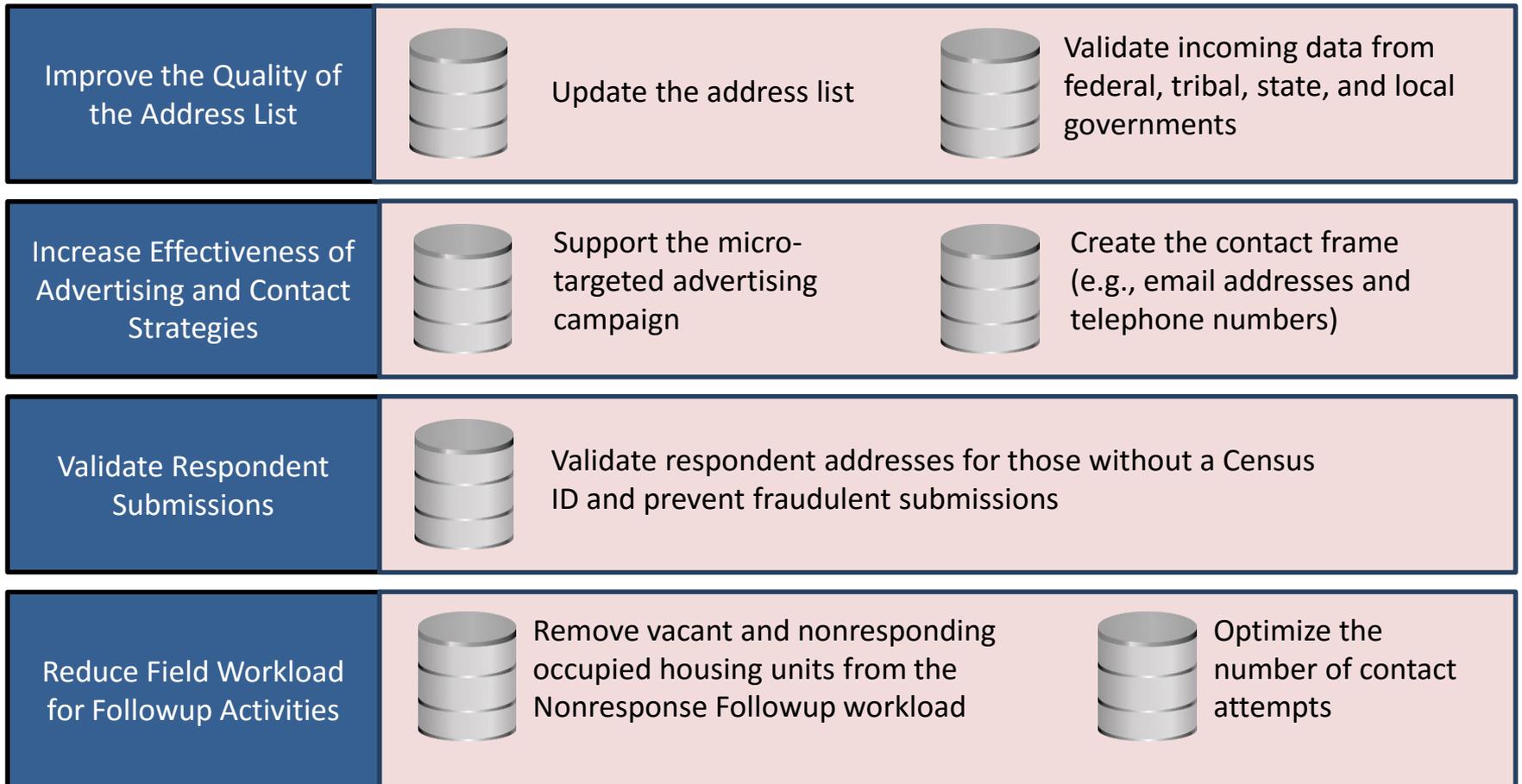
We will also focus on quality control in this test:

- Use of paradata and GPS points collected during interview
- Reinterview functionality
- Use of administrative records for in-house quality control

The 2020 Census: Count the Population

Utilizing Administrative Records and Third-Party Data

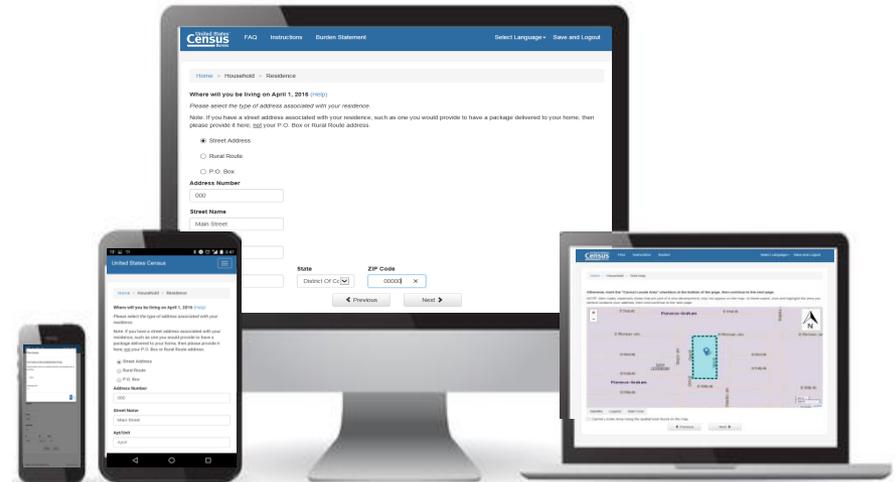
Use information people have already provided to reduce expensive in-person follow-up.



The 2020 Census: Count the Population

United States[™]
**Census
2010**

United States[™]
**Census
2020**



The 2020 Census

The 2020 Census Key Upcoming Activities

2016 Census Test (April 1st Census Day)

2016

2016 Address Canvassing Test

Boundary and Annexation Survey – Governmental entities receive their annual invitation to update their legal boundaries

Award Contract for the 2020 Census Questionnaire Assistance (CQA)

Award Integrated Communications Contract

2017 Census Test (April 1st Census Day)

2017

Topics to Congress – by March 31, 2017

Local Update of Census Addresses – Invitations sent to governmental entities to participate in review of our Master Address File and is complete in 2018

2018

2018 End-to-End Test (April 1st Census Day)

Question Wording to Congress – by March 31, 2018.

2019

Partnership Program – Launch of the partnership program

Complete Count Committees – Formation of committee's should be complete

Advertising – Begins in early 2020

2020

Census Day – April 1, 2020

Nonresponse Followup – Begins in late April and continues until late June/early July

Apportionment Counts to the President – by December 31, 2020

2021

Redistricting Counts to the States – by March 31, 2021

LUCA Defined

The LUCA program was designed based on requirements specified by the [Census Address List Improvement Act of 1994 \(Public Law 103-430\)](#) which provides an opportunity for designated representatives of local, state, and tribal governments to review the addresses used to conduct the decennial census.

Developing Tools to Support Recommendations

Tools for Participation:

- Provide the **GUPS software** to partners to allow them to view and edit their LUCA address and map data in an easy to use electronic format.
- Provide Census **structure coordinate locations** with the electronic address products and paper/pdf maps.
- Use of a widely **standard electronic address format**.

Developing Tools to Support Recommendations

Processing Tools:

- **Match** incoming LUCA addresses to MAF, GSS-I and Administrative/Commercial records
- **Compare** LUCA updates to block level research by the address canvassing team

Key Milestone Dates (tentative)

Date	Activity
11/2016	Receive OMB Clearance
01/2017	Mail Advanced Notice Package
07/2017	Mail Invitation Package
02/2018	Mail Review Materials
03/2018 – 06/2019	Validate Addresses in Address Canvassing
08/2019	Deliver Feedback Materials
10/2019	Process Appeals
09/2021	Closeout LUCA Program (complete survey and assessment)

Status of State Data Acquisition: SNAP, TANF and WIC

Epa Uwimana

Center for Administrative Records Research and Applications
(CARRA)

US Census Bureau
SDC/CIC Annual Conference
April 7th, 2016

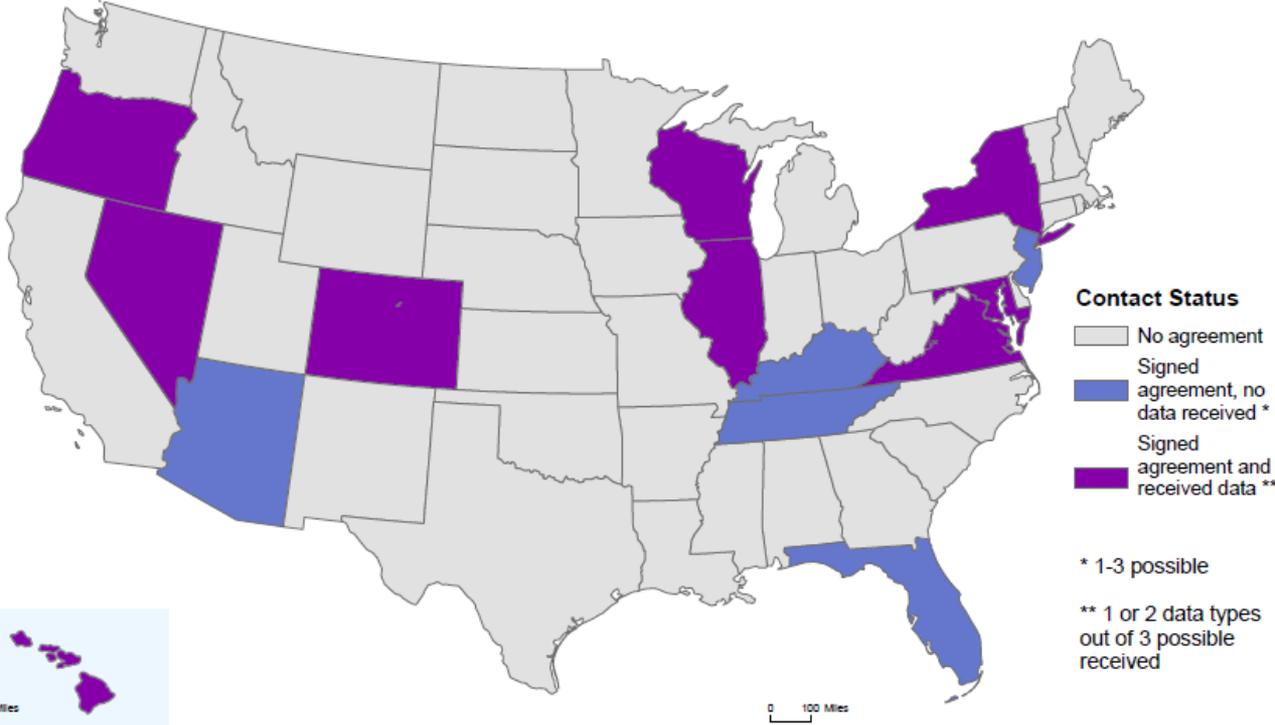
Project Status

- 50 States and District of Columbia contacted
- 46 States and District of Columbia acknowledged contact
- 14 States have signed data acquisition agreements with us
- 9 States sent data

Project Status



State SNAP, TANF, or WIC Data Acquisition: Contact Status



Data Delivered by State and Data Type

STATE	SNAP	TANF	WIC
Colorado	*		*
Hawaii	*		
Illinois	*		
Maryland	*	*	
Nevada			*
New York	*	*	
Oregon	*		
Virginia	*		
Wisconsin		*	

Briefing to the NY SDC Affiliate Meeting on the 2016 National SDC Meeting

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