

Census Enterprise Dissemination Overview and Update

November, 2016

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Introduction

Transition to Census.gov

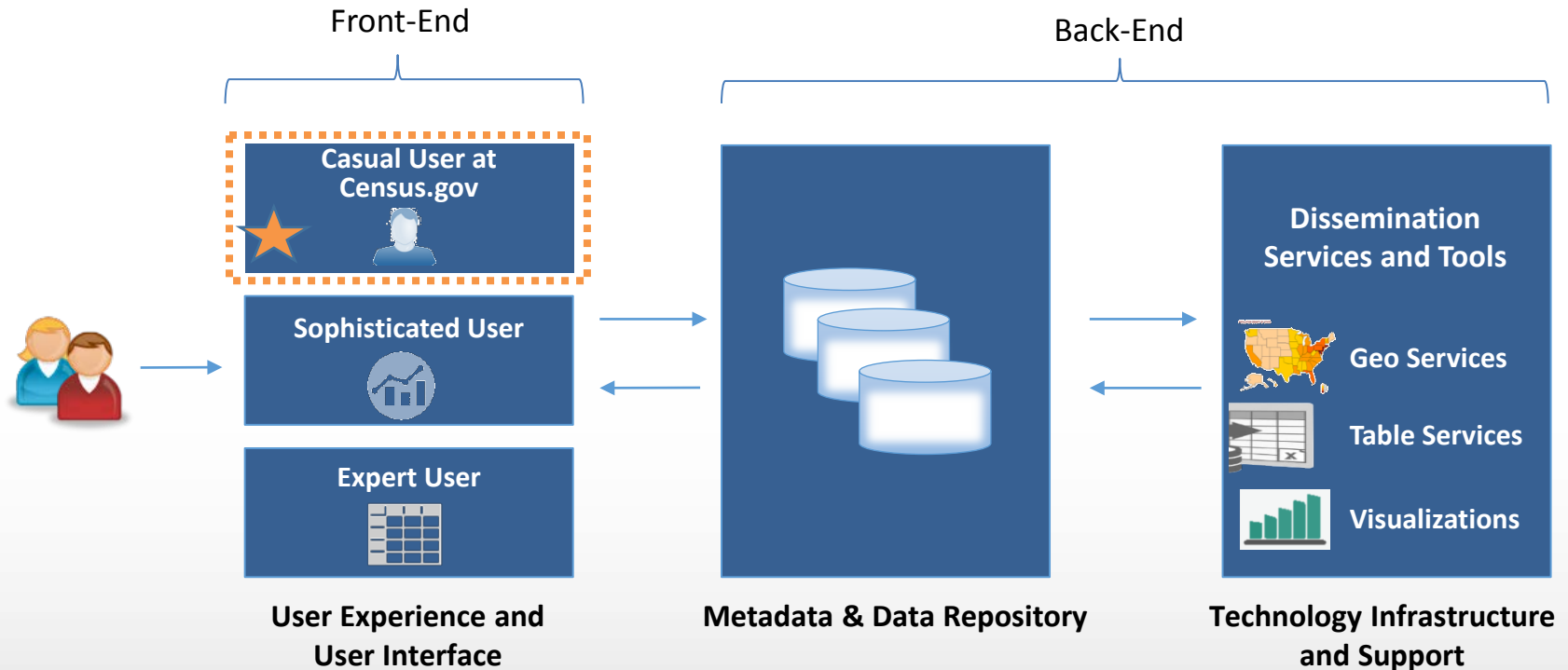
Live Demo

Next Steps

What is CEDSCI?

- CEDSCI stands for the **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 all Census Bureau public use content to improve the users' experience.
- **Why?** - Right now we have several different data dissemination tools. AFF, Quick Facts, Easy Stats, DataFerrett, the Census API and many others. These are all systems with their own **data and metadata databases**. They use their own infrastructure, own software, and the duplication exists in many of these systems. Taking a customer focused approach to dissemination.

What is CEDSCI?



 CEDSCI Initial Release

CEDSCI Goals & Benefits

Transform and expand the dissemination of Census content to seize the digital opportunity and better serve our internal and external customers to:

- Enable a customer-centric and innovative dissemination environment
- Increase visibility and utility of Census data
- Operate as an efficient enterprise program

Improve Customer Satisfaction

The CEDCSI program allows for increased customer satisfaction through standardizing and normalizing Census content.



Personalized Experience

The U.S. Census has an opportunity to drive a personalized customer experience, providing customers with access to improved web features, self-service data capabilities, and omni-channel integration.



Public Perception

Public opinion and perceived value of the Census Bureau is directly tied to customer experience. An enhanced experience would benefit public perception.



Grow our Audience

Building an enhanced digital platform will better serve the American people to help grow the Census audience.



Reduce IT Costs

The consolidation of data dissemination systems, processes, and tools saves costs by eliminating duplicate systems and processes while using existing tools better and by making the workplace more efficient and effective.



Strategic Planning

A unified, analytics-driven, actionable and highly understandable model that provides a single consumer-centric planning framework. Supports more effective strategic decision-making gather customer insights, develop analytics, and drive behavior.

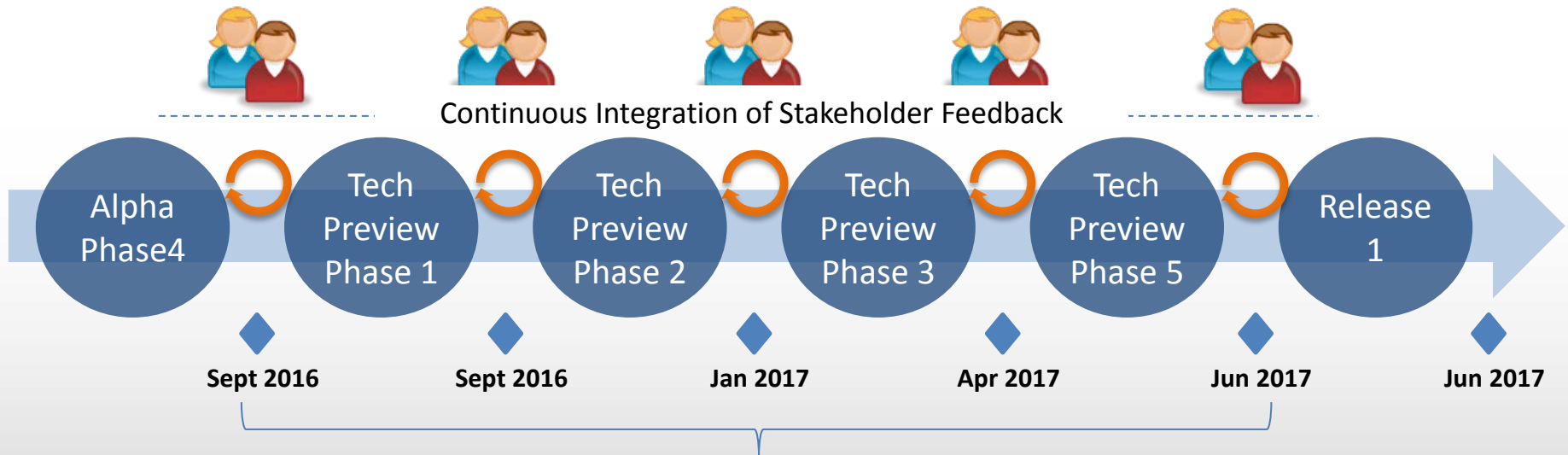
Efficient Operations

A shared service operating model for enterprise-wide dissemination provides operational efficiencies.



CEDSCI's Iterative Approach

CEDSCI is being developed in an iterative process with stakeholder feedback driving continuous improvements along the way



**CEDSCI's technical preview phases are only intended for beta-testing and not intended for official use. For official U.S. statistics during this time, please use current Census.gov tools.*

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Transition to Census.gov Dissemination

Our approach for the transition will occur in phases to minimize operational risk while maximizing our ability to leverage existing services, processes, and investments in the new CEDSCI platform.

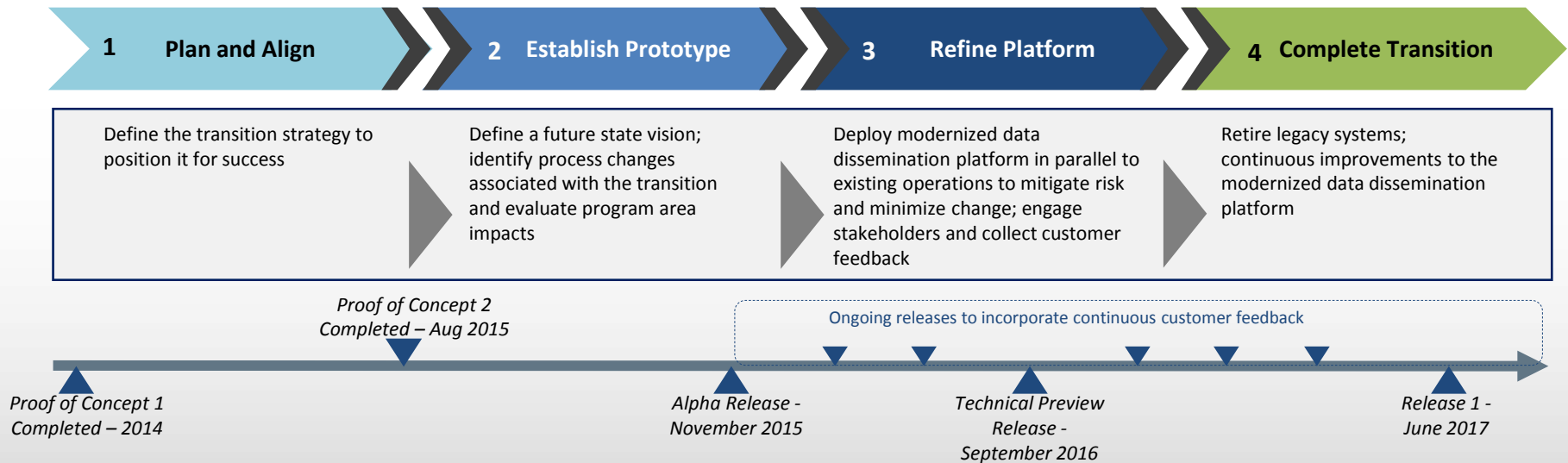


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Data in Technical Preview

**CEDSCI's technical preview is only intended for beta-testing and not intended for official use. For official U.S. statistics, please use current Census.gov tools.*

Datasets	2010	2011	2012	2013	2014
ACS 1-Year Summary Files & Data Profile Tables			✓	✓	✓
ACS 3-Year Summary Files & Data Profile Tables			✓	✓	
ACS 5-Year Summary Files	✓	✓	✓	✓	✓
ACS 5-Year Data Profile Tables			✓	✓	✓
County Business Patterns			✓	✓	
Non Employer Statistics			✓	✓	
EWKS			✓		
Decennial SF1	✓				
Survey for Business Owners			✓		

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Features & Data

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Technical Preview

- Census will release a series of Technical Previews beginning in Sept. 2016
- Remember, these technical previews are a very early look into the new system
- We will send out the link when the Technical Preview is live and welcome your feedback
- Please share the link with your colleagues -- the more feedback we get the better

APPENDIX

Feedback

- Your feedback will be used to:
 - Implement changes to current features
 - Guide the development process and prioritize upcoming tasks
- Means by which your feedback will be collected:
 - Conference calls
 - Feedback Button
 - Email
 - Usability
 - Focus Groups



CEDSCI Beta Features

Explore Data Leveraging Various Facets

Search by Topics

Search by Location

Search by Year

Search by
NAICS Codes

Search by Dataset

Get table
results that
match
selected facets

Search by Program Areas

The screenshot shows the 'Explore Data (Beta Edition)' interface. At the top, there is a 'Your Filters: None' box. Below this are several filter sections: 'Topics' with a search box and a list of categories like 'Age (6707)', 'Ancestry (112)', etc.; 'Geographies' with a search box and a 'Selection Map' link; 'Years' with a dropdown menu; 'Datasets' with a dropdown menu; and 'Survey Programs' with a dropdown menu. At the bottom, there is a 'NAICS' section with a search box and a list of industry codes like '11 - Agriculture, forestry, fishing and ...', '21 - Mining, quarrying, and oil and gas', etc. A 'Search Data' button is circled at the bottom center. Dashed blue lines with circular endpoints point from external text labels to specific elements in the interface: 'Search by Topics' points to the Topics search box; 'Search by Location' points to the Geographies search box; 'Search by Year' points to the Years dropdown; 'Search by Dataset' points to the Datasets dropdown; 'Search by Program Areas' points to the Survey Programs dropdown; 'Search by NAICS Codes' points to the NAICS search box; and 'Get table results that match selected facets' points to the Search Data button.

CEDSCI Beta Features

Type Ahead feature available within Topics, Locations and NAICS selection to quickly find and select desired facets

The screenshot displays three panels illustrating the type-ahead search feature:

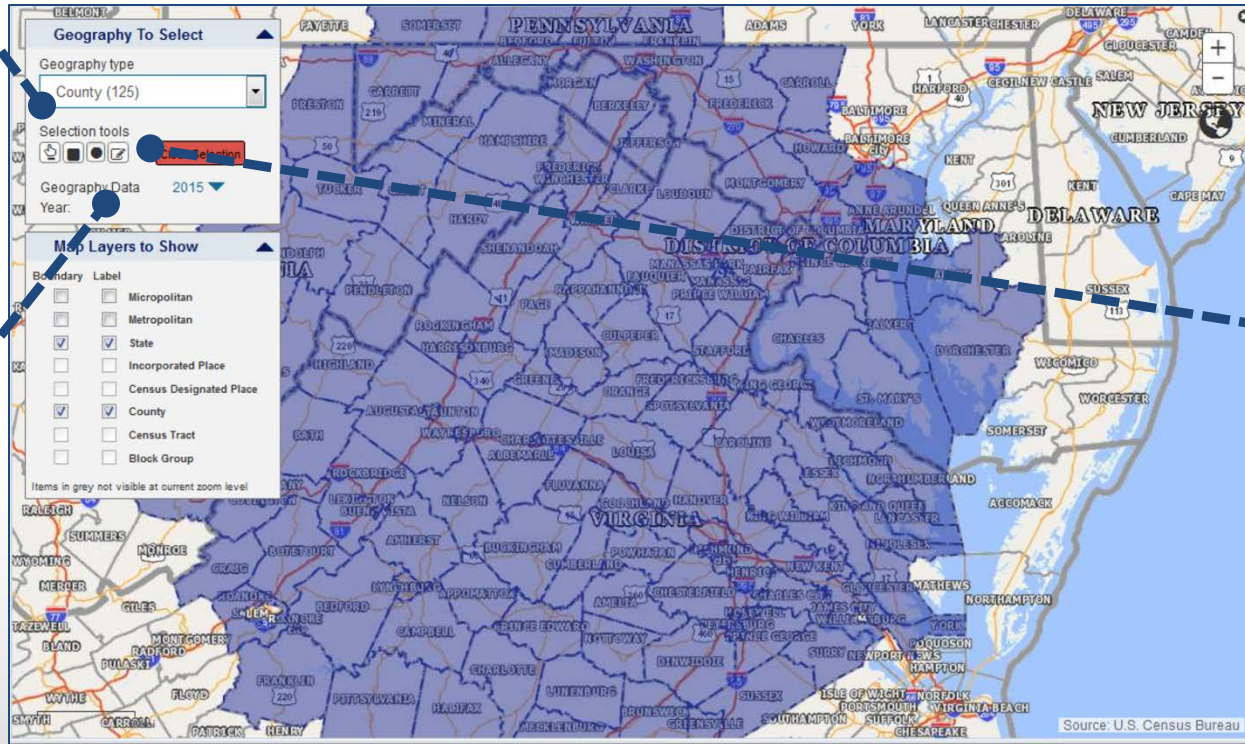
- Geographies:** A search box contains "vi". The dropdown list shows "United States Virgin Islands", "Virginia" (highlighted), "West Virginia", "Abbeville County, South Carolina", "Accomack County, Virginia", "Albemarle County, Virginia", "Alexandria city, Virginia", "Alleghany County, Virginia", "Amelia County, Virginia", "Amherst County, Virginia", and "Appomattox County, Virginia".
- Topics:** A search box contains "ag". The dropdown list shows "Age" (highlighted), "Health Insurance Coverage", "Language Spoken At Home", "Mortgage Status", "Residence 1 Year Ago", and "Second Or Junior Mortgage Payments Or Home Equity Loan".
- NAICS:** A search box contains "Con". The dropdown list shows "327331 - Concrete block and brick manufacturing" (highlighted), "327332 - Concrete pipe manufacturing", "32733 - Concrete pipe, brick, and block manufacturing", "445292 - Confectionery and nut stores", "311352 - Confectionery manufacturing from purchased chocolate", "42445 - Confectionery merchant wholesalers", "424450 - Confectionery merchant wholesalers", "23 - Construction", "42381 - Construction and mining (except oil well) machinery and equipment merchant wholesalers", and "423810 - Construction and mining (except oil well) machinery and equipment merchant wholesalers". At the bottom, "53 - Real estate and rental and leasing" is visible with a dropdown arrow.

CEDSCI Beta Features

Use Map as a tool to select desired geographies to search for data

Supported Geographies

- State
- County
- Place within State
- Economic Places
- Metro/Micro Areas
- Census Tracts
- Block Groups



Various Selector Tools to simplify selection of large number of geographies

Supported Years

- 2010
- 2011
- 2012
- 2013
- 2014

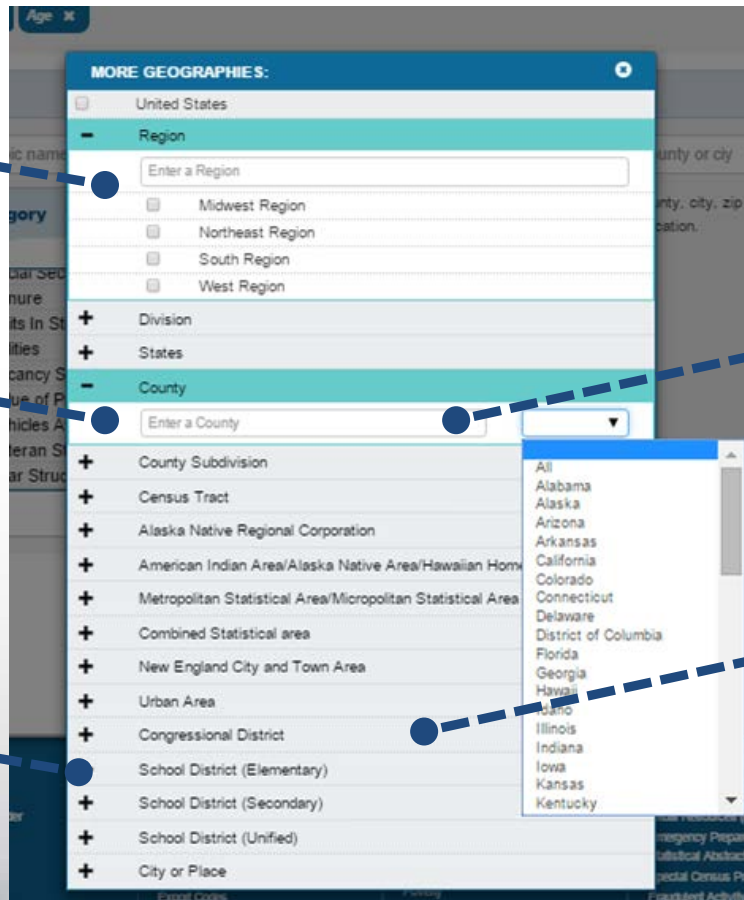
CEDSCI Beta Features

Use More Geographies to select additional geographies and summary levels

Search by Region

Search by Counties

Search by School Districts



Type Ahead feature available to quickly find and select desired geographies

Search by Congressional Districts

CEDSCI Beta Features

Results Page – Matching table results to selected facets organized by Table ID.

The screenshot displays the CEDSCI Beta interface. On the left, a 'Filters' sidebar includes 'Topics', 'Location' (with 'National' selected), 'States', 'Counties', 'More geographies', 'Year' (with years 2010-2014 listed), 'Datasets', 'Survey Programs', and 'NAICS'. The main area, titled 'Explore Data (Beta Edition)', shows 'Your Filters' for 'Age' and 'United States'. Below this, it displays 'United States | 2015 Population Estimate' with a value of 321,418,820 and a source link. A 'Search Results' section shows 859 results, with 'Tables' selected. The results list several tables, such as 'Sex by Age - B01001', 'SEX BY AGE (WHITE ALONE) - B01001A', 'SEX BY AGE (BLACK OR AFRICAN AMERICAN ALONE) - B01001B', 'SEX BY AGE (AMERICAN INDIAN AND ALASKA NATIVE ALONE) - B01001C', and 'SEX BY AGE (ASIAN ALONE) - B01001D'. Each table entry includes a 'PREVIEW DATA' link and a '2014: ACS 5-Year Summary File' dropdown with an 'OPEN AS...' button. On the right, a 'United States' information panel provides summary statistics: '2015 Population Estimate: 321,418,820', 'Median Household Income: \$ 53,482', 'Individuals below poverty level: 15.6%', 'Educational Attainment: Percent high school graduate or higher: 86.3%', 'Health Insurance Coverage: Percent uninsured: 14.2%', and 'Median Housing Value: \$ 175,700'. Each statistic includes a source link to the American Community Survey 5-Year Profiles.

Your current selection

Select additional facets to further refine search results

Table Results matching the search criteria

Geography Information Panel [Available for a single Geography and selected Topics]

Census Web Results [Other Census Data Related to Your Search Criteria]

Geography Information Panel [Available for a single Geography]

CEDSCI Beta Features

Table Viewer Feature – Ability to Preview Tables Directly From the Results Page

Click on the “Table Title” or “Open As” to launch the Full Table View

Search Results 859 Search Results

Tables Web

Sex by Age - B01001

PREVIEW DATA

2014: ACS 5-Year Summary File OPEN AS...

2014: ACS 5-Year Summary File

2014: ACS 1-Year Summary File

2013: ACS 5-Year Summary File

2013: ACS 3-Year Summary File

2013: ACS 1-Year Summary File

2012: ACS 5-Year Summary File

2012: ACS 3-Year Summary File

2012: ACS 1-Year Summary File

2011: ACS 5-Year Summary File

2010: ACS 5-Year Summary File

United States	
Estimate	
Total:	231,849,713
Male:	114,486,930
Under 5 years	6,800,392
5 to 9 years	7,100,236
10 to 14 years	7,302,957
15 to 17 years	4,494,801
18 and 19 years	3,120,905
20 to 24 years	7,928,179
25 to 29 years	7,868,991

Table results grouped by datasets to reduce duplicate table entries

Download desired tables in “csv” format directly from the results page

Preview desired tables side by side

CEDSCI Beta Features

Full Table View – Further review data in Full Table View mode.

Download Data in “csv” format

Modify Geography Directly From the Full Table View

View a Thematic Map of Data

Ability to turn Margin of Error On / Off

The screenshot shows the CEDSCI interface for the '2014: ACS 5-Year Summary File' dataset. The table displays population estimates for the United States, broken down by sex and age group. A callout box highlights the 'Add/Remove Geographies' feature, showing a list of age groups and a 'Row 1 to 20 out of 49' indicator. Other callouts point to the 'Margin of Error' toggle, a 'Map' icon, and 'Show Data Notes' / 'Show Foot Notes' options.

United States	
Estimate	
Total:	314,107,084
Male:	154,515,159
Under 5 years	10,205,881
5 to 9 years	10,437,256
10 to 14 years	10,437,256
15 to 17 years	10,437,256
18 and 19 years	10,437,256
20 years	10,437,256
21 years	10,437,256
80 to 84 years	3,442,927
85 years and over	3,882,341

Transpose Data

View/Hide Table Notes

CEDSCI Beta Geographies

CEDSCI Supported Geography Summary Levels for Beta Release

MORE GEOGRAPHIES:	
<input type="checkbox"/>	United States
+	Region
+	Division
+	States
+	County
+	Economic Place
+	County Subdivision
+	City or Place
+	Place/County Part
+	Block Group
+	Census Tract
+	Alaska Native Regional Corporation
+	American Indian Area/Alaska Native Area/Hawaiian Home Land
+	Metropolitan Statistical Area/Micropolitan Statistical Area
+	Combined Statistical area
+	New England City and Town Area
+	Urban Area
+	Congressional District
+	School District (Elementary)
+	School District (Secondary)
+	School District (Unified)