# Accessing Data in the NEW American FactFinder

## Association of Public Data Users Annual Conference

## September 21, 2011

United States Census Bureau

# Today's Agenda & Topics

- **American FactFinder Overview**
  - Data available in the American FactFinder
  - Upcoming Releases and Enhancements
- **Features/Functions**
  - Search & Navigation
  - Searching for Geographies
  - View/Create Maps
- **Accessing Data**
  - 2010 Summary File 1
  - 2010 Demographic Profile
  - 2010 Census vs. Census 2000
  - ACS 1-Year Estimates
- **Table Functions**
- **Question/Answer Session**

United States™ Census Bureau

# What Data is Available in the American FactFinder?

## NEW American FactFinder

**Decennial Census**

- 2010 Census (data released to date)
- Census 2000

**Annual Population Estimates**

- 2008 Population Estimates

**American Community Survey**

- 2010 ACS 1-Year Estimates (coming soon)

**Economic Census/Annual Economic Surveys**

- 2004-2009 Business Patterns
- 2004-2009 Nonemployer Statistics

## Legacy American FactFinder

**Decennial Census**

- Census 2000
- 1990 Census

**Annual Population Estimates**

- 2006-2009 Population Estimates

**American Community Survey/Puerto Rico Community Survey**

- 2005-2009 ACS 5-Year Estimates and prior

**Economic Census/Annual Economic Surveys**

- 2007, 2002, & 1997 Economic Census
- 2004-2008 Business Patterns
- 2003-2008 Nonemployer Statistics
- 2003-2009 Annual Survey of Manufactures

# Upcoming Releases & Enhancements
# Release 2.0 - September 2011

- **Data Release**
  - 2010 ACS 1-Year Estimates
  - 2010 Census PL 94-171 in Spanish
- **Application Release** – Release 2.0 is the first major functional release following the initial public release in January, 2011. Functions include:

| Functional Updates |
|---|
| Format for Print |
| Sort on Multiple Values |
| Narrative Profile (functionality) |
| Display Errata |
| Display Geographic Changes |
| Download Spatial Data |
| Download as JPEG and RTF Formats |
| Increased Download Threshold |

**Future Releases**
**(Moving to a quarterly Release Schedule starting December 2011):**

- Improve usability
- Simplify the search process
- Continue to improve system performance

# Data Releases through 2011

## 2010 CENSUS

2010 Census SF1 - Continued Release of States and PR **Available**
2010 Census PL 94-171 (Spanish version) – **September 2011**
2010 Census SF1 National - **November 2011**
2010 Census SF1 Puerto Rico- Spanish – **December 2011**
2010 Census Summary File 2 (SF2) - States and Puerto Rico – **December 2011 – April 2012**

## ACS

2010 American Community Survey, 1 Year Estimates – **September 2011**
2010 American Community Survey, 3 Year Estimates – **October 2011**
2010 American Community Survey, 5 Year Estimates – **December 2011**
2010 Puerto Rico Community Survey, 3 Year Estimates – **January 2012**

## ECON

2009 Zip Code Business Patterns – **Available**
2009 Nonemployer Statistics – **Available**
2010 Annual Survey of Manufacturers – **November 2011**

## SAIPE

2010 SAIPE - **November 2011**

## Data Conversion from Legacy AFF

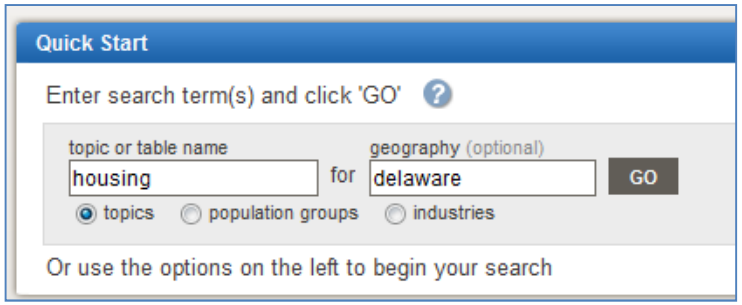
Remaining Census 2000 products currently only in Legacy - **September 2011**
All other products that are currently only in Legacy - **Through Fall 2011**

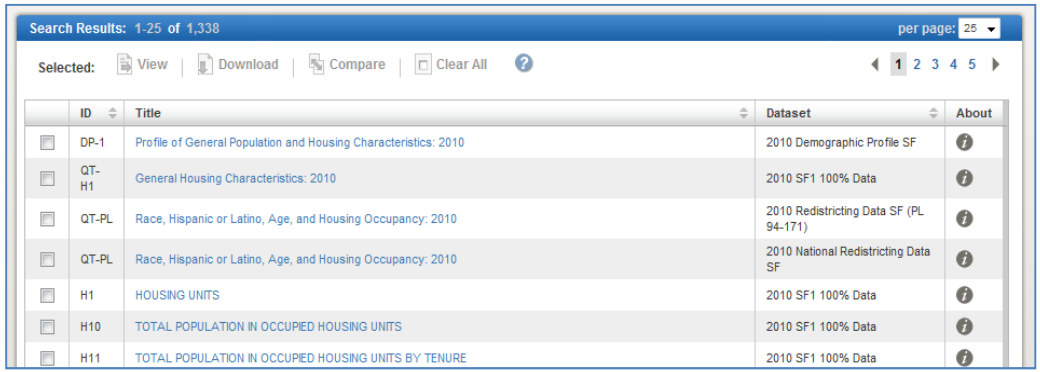
# Search & Navigation

- Search Options
  - Quick Start Search
  - Topic Search
  - Address Search
  - Reference Map Search
- Your Selections
- View/Download

# Quick Start Search

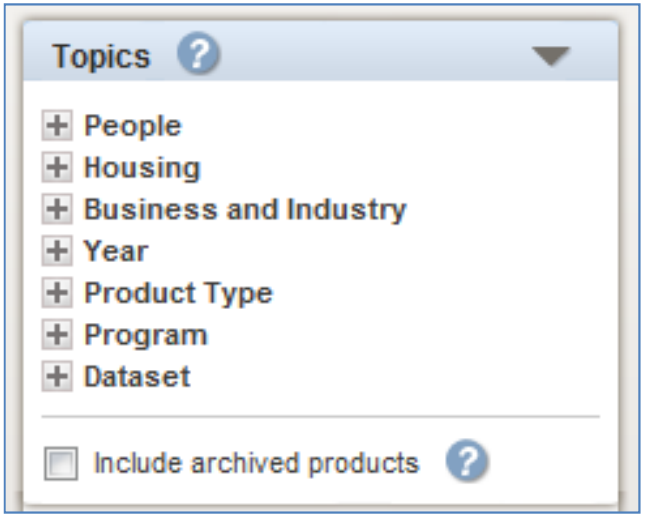
**Example: Search for latest information available about "housing" in "Delaware"**




- Quick access to information on one topic and/or one geography
- Keyword/phrase information-based search
- Typically provides broad list of Search Results
- Searches for keyword/phrase matches within data product content, i.e., table titles, headers, stubs
- Limited to searching AFF2 available products only

# Topic Search




- Filtered Search
- Users select Topic Category and appropriate sub-categories of interest
- Searches data products associated with topics selected
- Search Results reflect selections made
- Typically provides more specific/narrow list of Search Results
- Selections made will refine list of remaining Topics available for selection
- Limited to searching AFF2 available products only

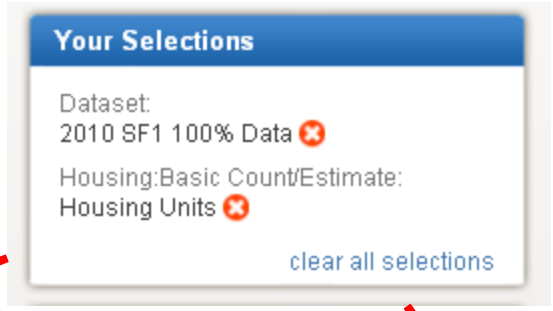
# Search by Address & Reference Maps

**Search by Address & Reference Maps can be accessed from the AFF Main Page or from their corresponding tabs in Geographies**

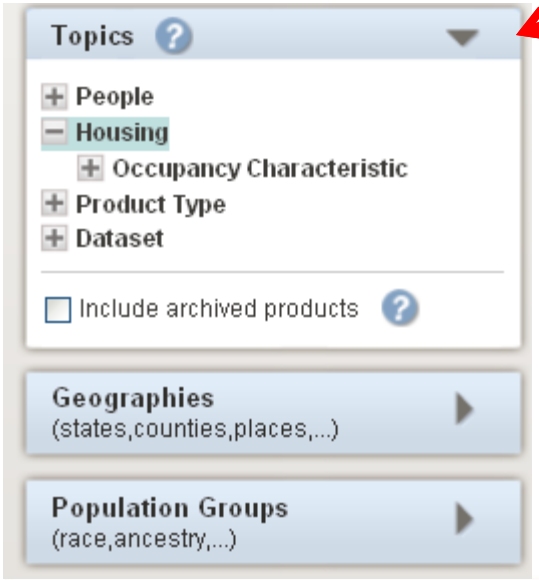
- See a list of geographies that are related to a specific address
- See a map of an area
- Use both options to select geographies to add search criteria to "Your Selections"

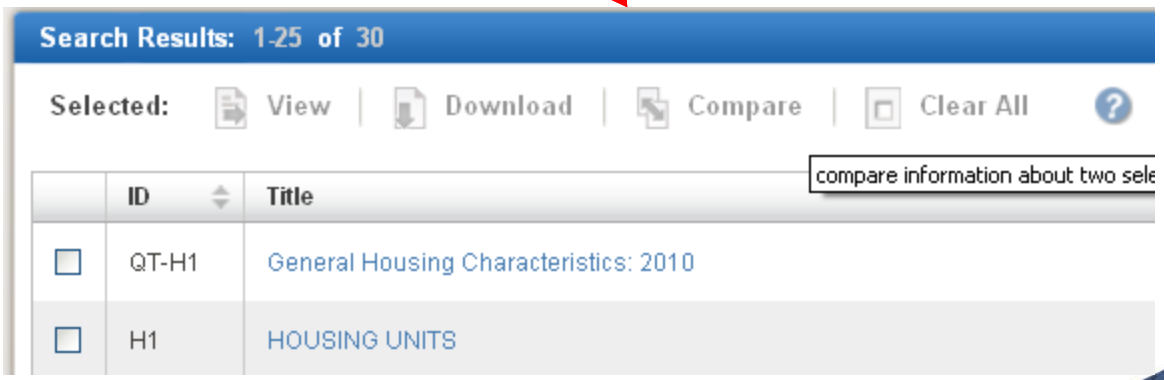
# Your Selections

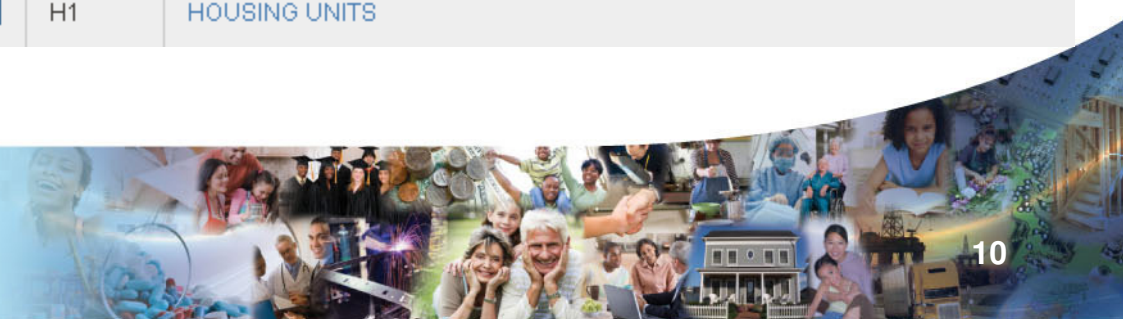
*Whenever search criteria is added to "Your Selections" , the Topics List, Geographies Search, Population Groups Search, Industry Code Search, and the Search Results will update to reflect the search criteria selected.*




**Tip: "Your Selections"** is limited to **250** search items.



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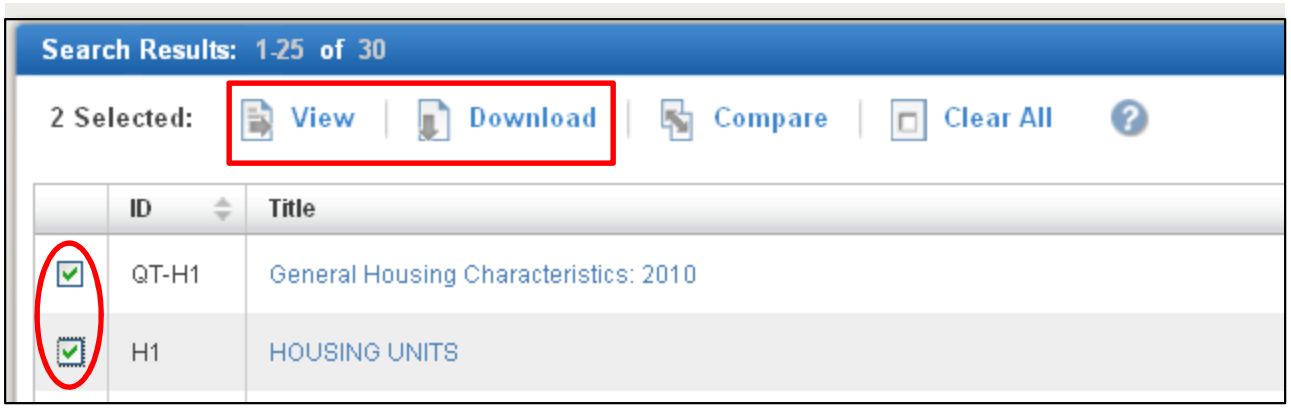
# View or Download a Table



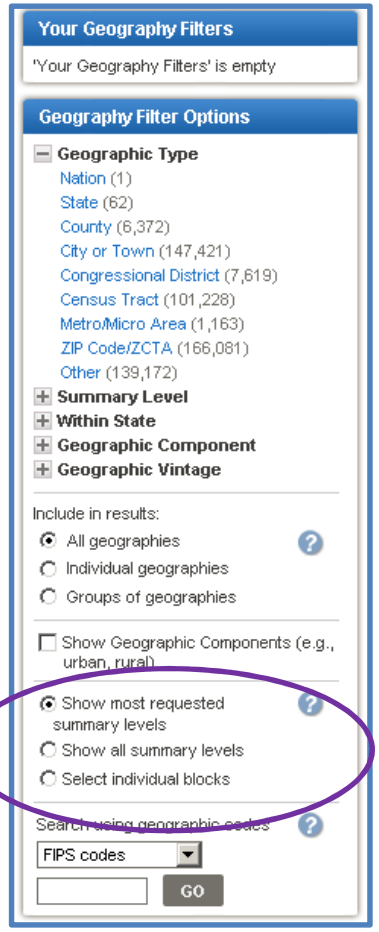

- Place a check next to each table/data product you wish to view or download
- You can select multiple tables to view at one time
- You can download up to 10 tables in a database compatible format at one time

# Searching for Geographies

- Geographies Search
- View or Create Maps

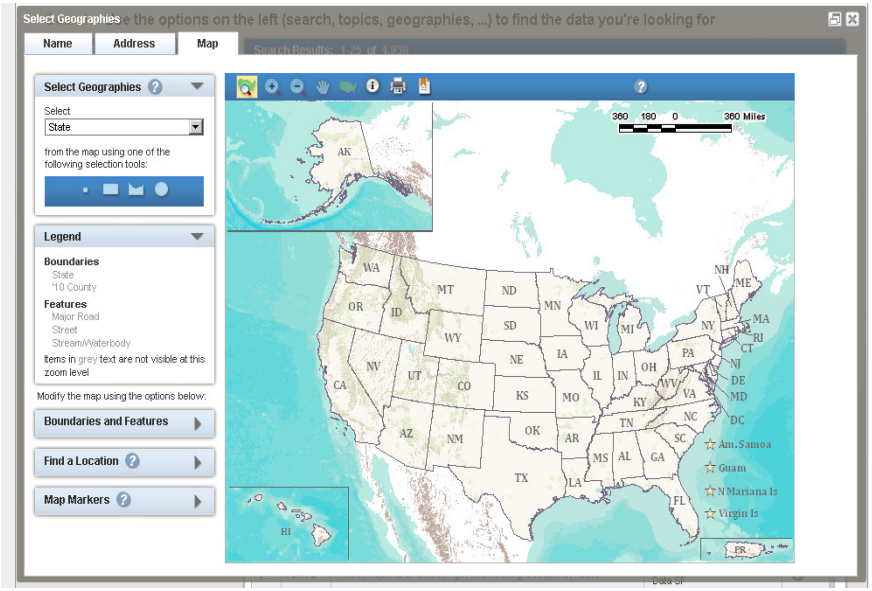
# Geographies Search

- Search for Geographies by Name
  - Text Search
  - Filtered Search
  - Indices (See FAQ 8835)
    - Show most requested summary levels
      - *Default setting consisting of commonly selected geographies*
    - Show all summary levels
      - *Displays all geographies / summary levels, not including individual blocks*
    - Select individual blocks
      - *Does not include "Group geographies" for blocks such as "all blocks within a Place"*



# View or Create Maps

- Reference Maps
  - Viewing Geographies
  - Selecting Geographies to add to “Your Selections”
  - Map Features available




- Thematic Map
  - Mapping tabular data
  - Map Features available

# Accessing Data

- 2010 Summary File 1
- 2010 Demographic Profile
- 2010 Census vs. Census 2000
- ACS 1-Year Estimates

# Accessing the 2010 Summary File 1 Tables

| # | Instruction | AFF Response |
|---|---|---|
| 1 | **1. MAKE "YOUR SELECTIONS"**<br>**From the Main page:**<br>• Select "Topics"; | **The Search Results page displays;** |
| 2 | **SELECT A DATASET**<br>**Expand "Dataset":**<br>• Select "2010 SF1"; | **"Your Selections" and your "Search Results" are updated.**<br>• Only the 2010 SF1 tables are displayed. |
| 3 | **Open the Geographies Search overlay window:**<br>• Use the Geography Name text search option or Geography Filter Options to select Geographies; | **"Your Selections" & "Search Results" are updated;** |
| 4 | **Select the appropriate Summary File 1 table from the Search Results list.**<br><br>TIP: *Use the Download option to download the table in a database compatible format from the Search Results page.* | **The selected table is displayed;** |

# Accessing the 2010 Demographic Profile

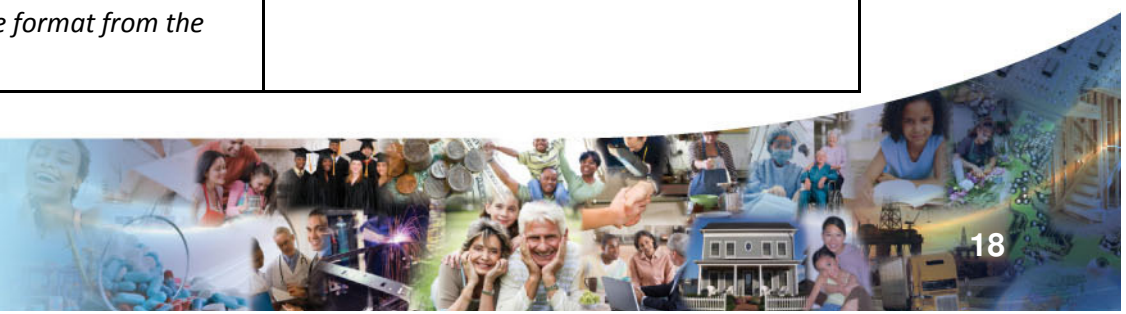
- Example: *Find the Demographic Profile Summary File table for "All Counties within Delaware"*

| # | Instruction | AFF Response |
|---|---|---|
| 1 | **MAKE "YOUR SELECTIONS"**<br>**From the Main page:**<br>• Select "Topics"; | **The Search Results page displays;** |
| 2 | **SELECT A DATASET**<br>**Expand "Dataset":**<br>• Select "2010 Demographic Profile SF"; | **"Your Selections" and your "Search Results" are updated.**<br>• Only the 2010 Demographic Profile Summary File table displays in the Search Results list. |
| 3 | **Open the Geographies Search overlay window:**<br>• Use the Geography Name text search option or Geography Filter Options to select Geographies;<br>**Select "All Counties within Delaware"** | **"Your Selections" & "Search Results" are updated;** |
| 4 | **Select the Demographic Profile Summary File table from the Search Results list.**<br>**TIP:** *Use the Download option to download the table in a database compatible format from the Search Results page.* | **The selected table is displayed;** |

# Comparing the 2010 Census & Census 2000 Data

- Example: *Compare the 2010 & 2000 Demographic Profile Summary File tables for "All Counties within Delaware"*

| # | Instruction | AFF Response |
|---|---|---|
| 1 | **MAKE "YOUR SELECTIONS"**<br>**From the Main page:**<br>• Select "Topics"; | **The Search Results page displays;** |
| 2 | **SELECT YOUR DATASETS**<br>**Expand "Dataset":**<br>• Select "2010 Demographic Profile SF";<br>• Select 2000 SF1 100% data; | **"Your Selections" and your "Search Results" are updated.**<br>• Only the 2010 Demographic Profile & 2000 Summary File 1 tables display in the Search Results list. |
| 3 | **Open the Geographies Search overlay window:**<br>• Use the Geography Name text search option or Geography Filter Options to select Geographies;<br>**Select "All Counties within Delaware"** | **"Your Selections" & "Search Results" are updated;** |
| 4 | **Select the 2010 & 2000 Demographic Profile Summary File tables from the Search Results list.**<br>**TIP:** *Use the Download option to download the tables in a database compatible format from the Search Results page.* | **The selected tables are displayed;** |



# Accessing the 2010 American Community Survey 1-Year Estimates (available September 22, 2011)

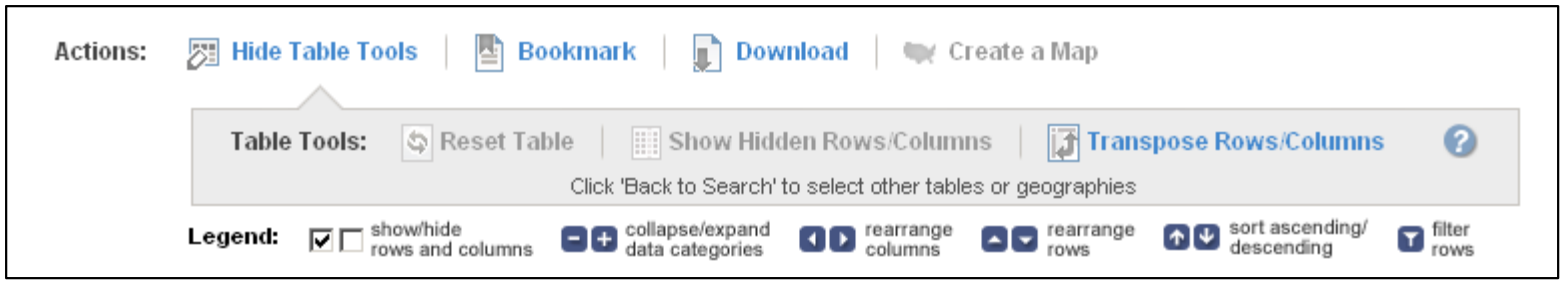
| # | Instruction | AFF Response |
|---|---|---|
| 1 | **MAKE "YOUR SELECTIONS"**<br>**From the Main page:**<br>• Select "Topics"; | **The Search Results page displays;** |
| 2 | **SELECT A DATASET**<br>**Expand "Dataset":**<br>• Select "2010 ACS 1-Year Estimates"; | **"Your Selections" and your "Search Results" are updated.**<br>• Only the 2010 ACS 1-Year products display in the Search Results list. |
| 3 | **Open the Geographies Search overlay window:**<br>• Use the Geography Name text search option or Geography Filter Options to select Geographies; | **"Your Selections" & "Search Results" are updated;** |
| 4 | **Select products to View from the Search Results list.**<br>**TIP:** *Use the Download option to download the table in a database compatible format from the Search Results page.*<br>**TIP:** *Use the "About" "I" button to view more information about a specific table/product* | **The selected table is displayed;** |

# Table Functions

- Modify Table
- Bookmark
- Download
- Create a Map (Map Data)
- Print (coming soon)

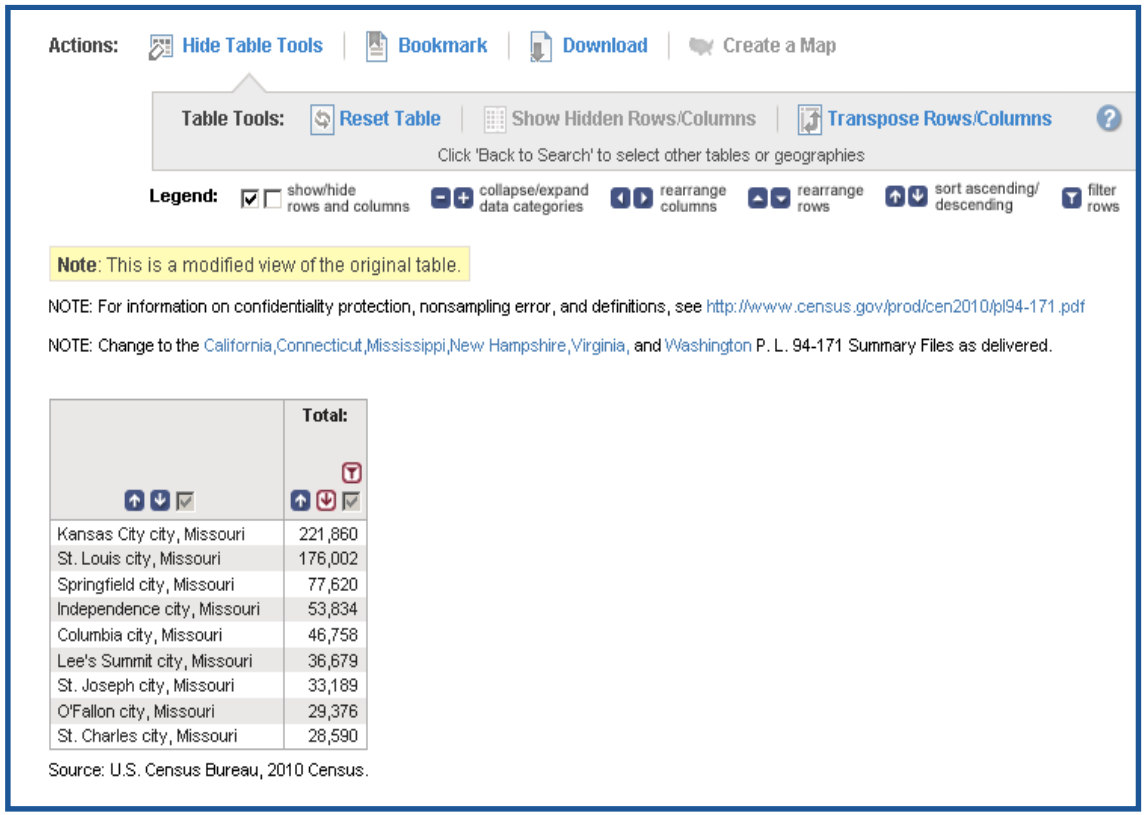
# Modify Table

- Modify Table options include:
  - Collapse & Expand Rows
  - Show/Hide Rows & Columns
  - Rearrange Rows & Columns
  - Transpose Rows & Columns
  - Sort
  - Filter Rows



# Example: Modify Table

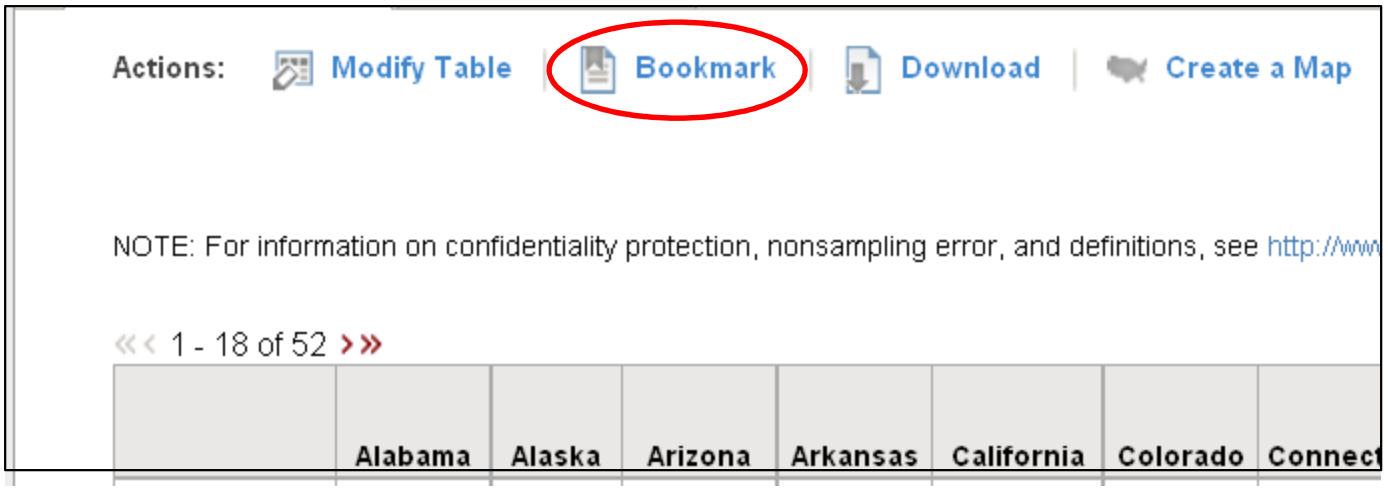
- Modify the 2010 Occupancy Status table, H1, for “all Places within Missouri”, to only display the Total number of housing units.
  - Modify Table>Collapse by Total
- Sort the table in descending order.
- Display only the Places that have more than 25,000 housing units.
  - Filter>greater than 25,000




| | Total: |
|---|---|
| Kansas City city, Missouri | 221,860 |
| St. Louis city, Missouri | 176,002 |
| Springfield city, Missouri | 77,620 |
| Independence city, Missouri | 53,834 |
| Columbia city, Missouri | 46,758 |
| Lee's Summit city, Missouri | 36,679 |
| St. Joseph city, Missouri | 33,189 |
| O'Fallon city, Missouri | 29,376 |
| St. Charles city, Missouri | 28,590 |

Source: U.S. Census Bureau, 2010 Census.

# Bookmark / Save Query

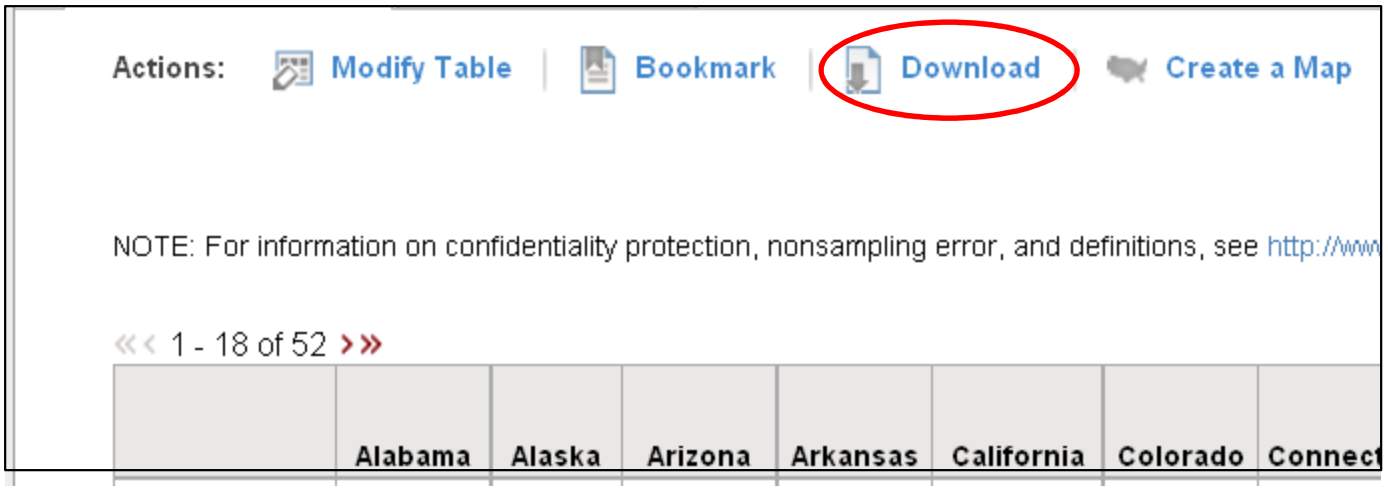



**Select "Bookmark" from the Table Actions menu**

- Depending on the size of the table, you will either be able to save it as a bookmark or a query, or have both options.
- Saved Queries can be e-mailed to data users
  - Use the "Load Query" option on the Main page to load the .aff file. The Saved Query (table) will display.

– **Tip:** Modified tables will only have the "Save Query" option.

# Download

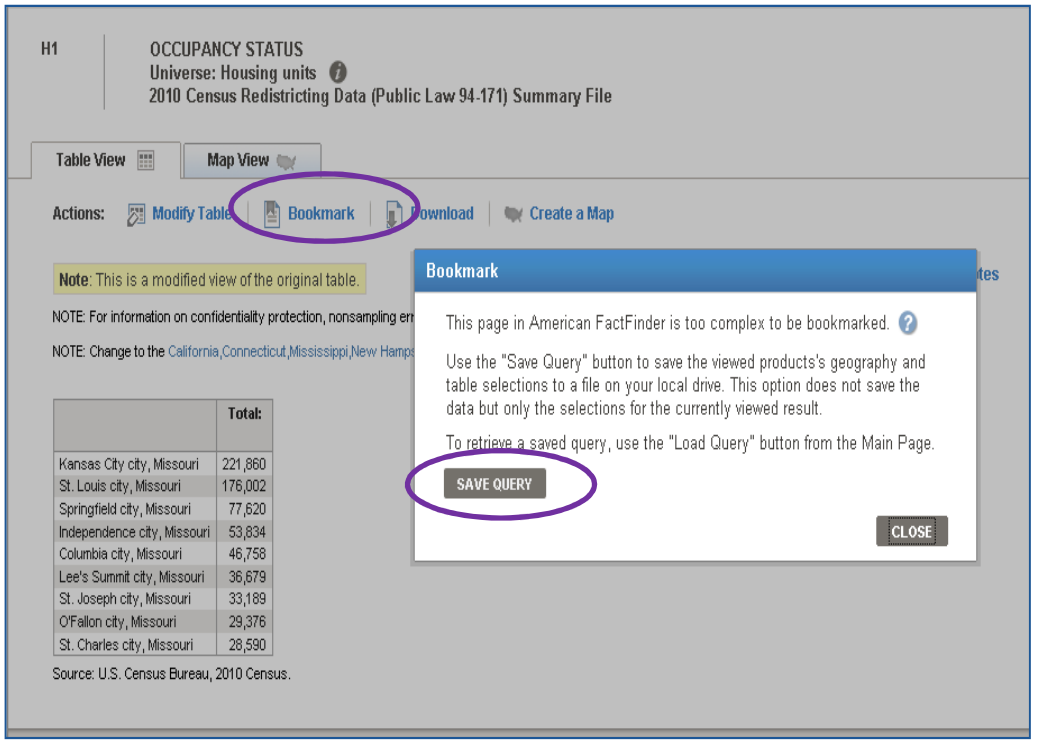



- From the table view, you can only download one table at a time in the following formats
  - **Database Compatible Download (.csv)**
  - **Presentation Ready Excel (.xls)**
  - **Presentation Ready PDF (.pdf)**
  - **Presentation Ready Rich Text Format (RTF) –** available in release 2

Tip : For “Presentation Ready” formats, the table must have < 230 columns & 5,000 rows

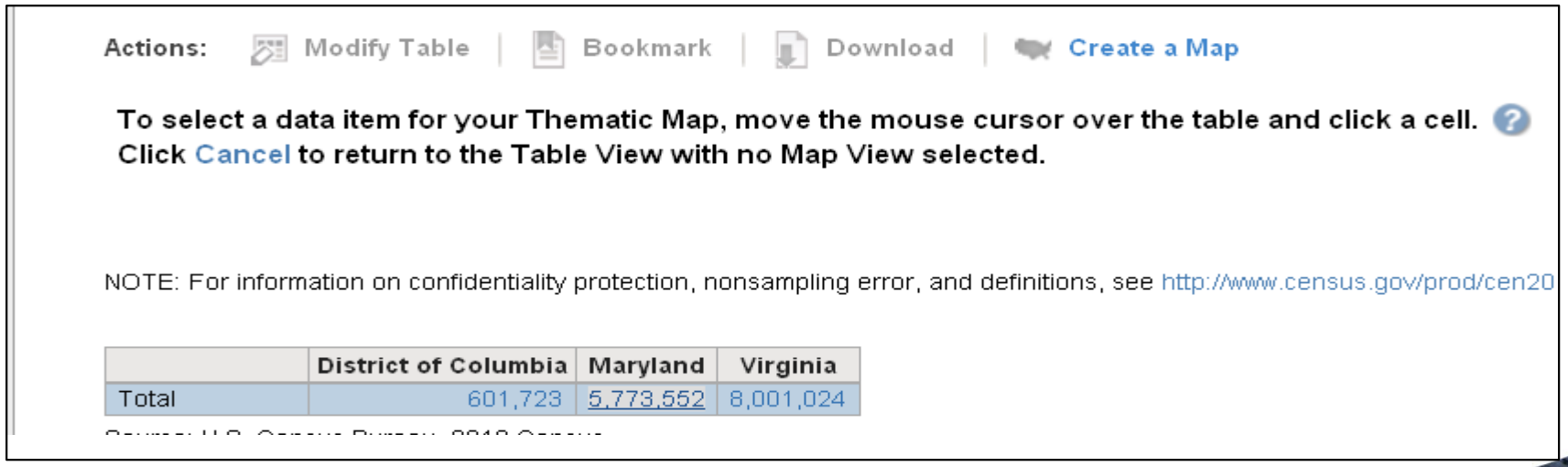
# Example: Bookmark / Download

- **Bookmark the modified H1 Table:**
  - **Select "Bookmark", then "Save Query"**
    - Follow the prompts
    - A .aff file is saved to your PC
    - E-mail the .aff file to data users
    - They can save the .aff file to their PC
    - Follow the "Load Query" option prompts from the Main page to load the .aff file and to view the Saved Query (table)



# Create a Map

- To create a map, more than 2 "**like geographies**" must be visible in the table
  - "**like geographies**" are 2 or more geographies with the same summary level (i.e. 2 states, 2 places, 2 census tracts)
- Most Quick Tables (QT), Demographic Profiles (DP), and Geographic Comparison Tables (GCT) cannot be mapped
- Click "**Create a Map**," then select a data point from the table. AFF will create a Thematic Map comparing data for that entire row. Only one data cell can be mapped at a time.



# Questions & Answers