ADVANCED SEARCH

Advanced search is used to either perform complex searches or explore available data options. The search allows users to find data using specific words or phrases, and to filter by topic, geography, year, survey, or code.

To access the search:

- Click the “Advanced Search” link on the Explore Census Data main page or;
- Click within the free-form search bar and you will see the “Advanced Search” link, lastly;
- Advanced Search can be accessed by entering the following URL directly into your browser: https://data.census.gov/cedsci/advanced

WHERE TO START

The Advanced Search allows you to build your search using keywords and filters. If you know what filter(s) you want to apply, you can type keywords directly into the 1 Find a Filter search bar. Alternatively, you can browse filters by 2 Topic, 3 Geography, 4 Years, 5 Surveys, and/or 6 Codes.
**Selected Filters**

When you identify a filter that you want to add to your search, click the checkbox next to the term. Terms that do not have checkboxes will open submenus with additional filters from which you can make your selection.
The Selected Filters box at the bottom of the page serves as the repository for each filter that you have selected. Each time you add or remove a keyword or filter to your search, it moves to the Selected Filters box. With every addition and subtraction to the Selected Filters box, all of the search menus will update to reflect the new criteria. Filters that are not available based on your current selections will be grayed out.

If the selections overflow the available space, a MORE link will show in the Selected Filters box. Click the MORE link to display all active filters. You can also access the expanded menu by clicking the button on the right side of the Selected Filters box.

To close the expanded menu, click the button on the right side.

To remove a filter, click the next to the term.

To clear all search filters, click the button.

**Find a Filter Search**

The Find a Filter search bar allows you to search for filters using keywords. To search against all filters, enter the keywords into the Find a Filter search bar. For example, if you want to find data about automobiles, you would type automobile into the search bar. A drop down overlay will appear with filters that match the search terms separated by category. Check the box next to the desired option to apply the filter. To close the filter results overlay, click the button on the right side of the search bar.
TOPICS MENU

By using the Topics menu, you can add filters for Business and Economy, Education, Employment, Families and Living Arrangements, Government, Health, Housing, Income and Poverty, Populations and People, and Race and Ethnicity. The Topics menu is a good place to start if you want to explore the types of data available for a particular topic.

For this example, let us say you want to find the value of annual payroll for business establishments. Here are the steps you would take to add a filter to search for the data:

1. Select Topics under Browse Filters to open the Topics menu.
2. Select “Business and Economy”, then “Expenses and Expenditures”
3. Check the box next to “Payroll”

4. “Payroll” moves to the Selected Filters box. The filters available to be selected will be updated based on the new criteria.

**Geography Menu**

The Census Bureau recognizes over 12 million different geographies in the United States. Because of the complexities of finding 12 million different geographies, you can browse for a filter by Geography Level or Summary Level.

1. **Geography Level and Components:** Geography levels are the entities for which data are reported. The initial menu, titled “Geography” allows you to select the division of data that you are looking for. The submenu populates based on this selection. This path allows for more exploration through the geography fields and is the default method for the Advanced Search.

Typically, large geographic areas allow you to also search for geographic components. A geographic component is a portion of a geography that meets a
criteria such as urban or rural. To include geographic components in the submenu listing, toggle the “Show geographic components” switch to ON. When the toggle is ON, geographic components will be added to the selection list.

2. **Summary Level Codes**: Summary levels specify the content and hierarchical relationships of the geographic elements that are required to tabulate and summarize data. Each summary level has an assigned 3-digit summary level code to link each specific summary level to its appropriate use in a table, map, or other data summarization format. To search by summary level code, toggle the “Show Summary Levels” switch to ON.

For more information on Census geography, including a hierarchy diagram, see Guidance for Geography Users at [https://www.census.gov/programs-surveys/geography/guidance.html](https://www.census.gov/programs-surveys/geography/guidance.html).

**Pseudo Geographies**

Users have the ability to select a pseudo geography that summarizes the data for that particular geography. Supported geographies include:

- All States within the United States
- All Counties within all States
- All Places within the United States
- All Congressional Districts for the 106th and 109th through 115th Congresses in the United States and by State
• All American Indian Areas / Alaska Native Areas / Hawaiian Home Lands (AIA/ANA/HHL) within the United States and by State
• All ZIP Code Tabulation Areas (ZCTAs) in the United States and by State
• All State Legislative Districts, Upper Chamber within State
• All State Legislative Districts, Lower Chamber within State
• All County Subdivisions within State
• All Urban Areas within the United States
• All Metropolitan-Micropolitan Statistical Areas within the United States

**Browsing for a Geography**

For this example, let us say you want data for the District of Columbia. We will assume that you have already selected **Payroll** from the **Topics** menu. Here are the steps you would take to add filters to search for the data:

1. Select **Geography** under Browse Filters to open the Geography menu.

2. You can browse for a filter for the District of Columbia using one of two different ways:

   a. Select “**State**”, then check the box next to “**District of Columbia**”

   b. Select “**County**”, then “**District of Columbia**”, then check the box next to “**District of Columbia**”. For this example, we will use this method to apply the filter for the District of Columbia.
3. “District of Columbia, District of Columbia” moves to the Selected Filters box. The filters available to be selected will be updated based on the new criteria.

Selecting Multiple Geographies

You are able to select multiple geographies at the same time. For this example, let us say that you want to compare data for the District of Columbia against county-level data for Baltimore city, MD and Bucks County, PA. We will assume that you already added the filter for “District of Columbia, District of Columbia”.

HELPFUL HINT: In the previous example, we chose to apply the county-level filter for the District of Columbia in order to select congruent geographies for our search. The data available at each geographic level may differ. If your search results produce unexpected results, perform your search with only one geographic level first, then add filters for additional geographic levels.

Here are the steps you would take to add filters for additional geographies:

1. In the county-level state selection submenu, change your selection to “Maryland”
2. Check the box next to “Baltimore city, Maryland”

3. “Baltimore city, Maryland” moves to the Selected Filters box. The filters available to be selected will be updated based on the new criteria.

4. Return to the county-level state selection submenu, and change your state selection from “Maryland” to “Pennsylvania”

5. To assist you in finding Bucks County, click the icon to the right of Pennsylvania in the list of PA counties, and type “Bucks”. Then check the box next to “Bucks County, Pennsylvania”
6. “Bucks County, Pennsylvania” moves to the Selected Filters box. The filters available to be selected will be updated based on the new criteria.

NOTE: Because you are able to select multiple geographies and geographic levels, there is a chance you can select a geography that is invalid for your other search terms. To mitigate some of these issues, you can select either a Year or a Survey filter before adding geographies.

See the Appendix for help finding specific geography types, like offshore areas, metropolitan areas, and Zip codes.

CODES MENU

The Census Bureau uses thousands of individual codes to classify industries, products, services, materials, fuels, and commodities. The four main Code types are Industry Codes (NAICS), Product and Service Codes, Commodity Codes, and Material/Fuel.

1. **Industry Codes (NAICS):** Industries are classified by the North American Industry Classification System (NAICS). Industry search is more efficient when you enter the specific NAICS code for your industry of interest. Find NAICS codes easily at [www.census.gov/naics](http://www.census.gov/naics).

2. **Product and Service Codes:** In the Economic Census Manufacturing and Mining Sectors, this item is a 6-, 7-, 8-, or 10-digit code that identifies each product or service produced by Manufacturing or Mining establishments. For all other NAICS sectors, this is a five-digit product line (PL) code. PL codes represent various types
of products carried or services rendered by an establishment. PL codes ending in "0" represent broad product lines and PL codes ending in digits other than "0" represent detailed product lines. Beginning with the 2017 Economic Census, product line codes are replaced by NAPCS-based product codes. For more information on the North American Product Classification System (NAPCS) and concordances between 2012 product codes and 2017 NAPCS-based product codes, see https://www.census.gov/programs-surveys/economic-census/guidance/understanding-napcs.html

3. **Commodity Codes:** Commodity codes relate to the Commodity Flow Survey (CFS) only. The CFS captures data on shipments originating from selected types of business establishments located in the 50 states and the District of Columbia. For more information about code classifications, see https://www.census.gov/programs-surveys/cfs/technical-documentation/code-list.html

4. **Material/Fuel:** Material and fuel codes are based on NAICS codes.

**Browsing for a Code**

For this example, let us say you want the payroll amounts for hotels only. We will assume that you have already selected Payroll from the Topics menu and District of Columbia, Baltimore city, Maryland, and Bucks County, Pennsylvania from the Geography menu. Here are the steps you would take to add filters to search for data specific to hotels:

1. Select **Codes** under Browse Filters to open the Codes menu.

2. Select “**Industry Codes (NAICS)**”. A submenu will open with the available 2-digit industry codes. Each time you select a code, a submenu will open with options for the next level in the NAICS hierarchy. Drill down through each level until you get to the six digit NAICS code. Specifically, make the following selections:
a. “72 – Accommodation and food services” then “721 – Accommodation”

<table>
<thead>
<tr>
<th>Codes</th>
<th>Industry Codes (NAICS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Topics Geography Years Surveys Codes</td>
<td></td>
</tr>
</tbody>
</table>

b. “7211 – Traveler Accommodation” then “72111 – Hotels (except casino hotels) and motels” then “721110 – Hotels (except casino hotels) and motels”

3. In the 721110 – Hotels submenu, check the box next to “721110-Hotels (except casino hotels) and motels”

<table>
<thead>
<tr>
<th>Codes</th>
<th>Industry Codes (NAICS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Topics Geography Years Surveys Codes</td>
<td></td>
</tr>
</tbody>
</table>

4. “721110-Hotels (except casino hotels) and motels” moves to the Selected Filters box. The filters available to be selected will be updated based on the new criteria.

**Industry Codes - Choosing all Codes within a Code Level**

For some datasets, you have the ability to select “all available” codes within a particular level. These selections apply an “OR” statement to each item in the filter. For example, if you select “All available 3 digit codes within sector 72”, the applied filter is “721 – Accommodation” OR “722 – Food services and drinking places”. If a table contains one or more of these individual codes, the table will appear in the search results.
Industry Codes - Choosing a Summary Code Level

For some datasets, you have the ability to select a summary code for a particular level. For example, if you select “72 – Accommodation and food services” from the “72 – Accommodation and food services” submenu, the search results will return tables where the total for all entities classified under code 72 is provided.

YEARS MENU

The Years menu allows you to filter your search results by the year that the data was collected. For example, if you want to only see data from 2017, you would select the year from the years menu. Here are the steps you would take to add filters to search for 2017 data:

1. Select Years under Browse Filters to open the Years menu.
2. Check the box next to “2017”

3. “2017” moves to the Selected Filters box. The filters available to be selected will be updated based on the new criteria.

NOTE: Only one year may be selected at a time. Therefore, if you want to see data for all available years, you would not filter your search by year. For this example, we will not select a year filter for our search.

SURVEYS MENU

The Surveys menu allows you to filter your search results by the survey under which data was collected. For example, if you want to only see data from the County Business Patterns (CBP) survey, you would add a filter for “ANN Business Patterns County Business Patterns”. Here are the steps you would take to browse for this filter:

1. Select Surveys under Browse Filters to open the Surveys menu.

2. Scroll down until you see “ANN Business Patterns County Business Patterns”, then check the box next to this entry.
3. “ANN Business Patterns County Business Patterns” moves to the Selected Filters box. The filters available to be selected will be updated based on the new criteria.

**NOTE:** Only one survey may be selected at a time. If you are unsure of the name of the survey, you may search for results without a survey name selected. For this example, we will not select a survey filter for our search at this time.

**Navigating Search Results**

After adding filters, click the [SEARCH] button from the selected filters box at the bottom of the page to see your search results. For this example, we will assume that you have selected the following filters, as described in previous sections: Payroll; District of Columbia, District of Columbia; Baltimore city, Maryland; Bucks County, Pennsylvania; and 721110 – Hotels (except casino hotels) and motels.

These search filters were loaded using the following link: https://data.census.gov/cedsci/advanced?q=&g=0500000US11001,24510,42017&table=CB1700CBP&tid=CBP2017.CB1700CBP&t=Payroll&n=721110. For more information on saving your search, see “How do I save my results or search?” in this document.

The search results are separated into three categories: Tables 1, Maps 2, and Pages 3. Only the first three search results are listed for each category. A preview of the first result for each table and map is provided.
From this page, you can perform the following actions:

- If you would like to edit the search filters, click on the “Filter” link at the top of the page, next to the count of search results, to open the Advanced Filter overlay.

- Click either the category name from the top of the page or the View All button to see all results for a particular category.

- Click on the individual row to open that particular search result.

**Table Results**

This search produces results for 8 tables. Under Tables, the first search result is “All Sectors: County Business Patterns by Legal Form of Organization and Employment Size for 2017”. Clicking the table title will open this table in the table results page.

The table results page contains a list of all tables returned by the search terms on the left. The selected table is displayed in the body of the page.
To customize the selected table, click [CUSTOMIZE TABLE]. This will take you to the table editor. For more information on how to use the table editor, see the Table Tools section of this guide.

To return to the page containing all search results, click ALL at the top left side of the page.

**SEARCH BY KEYWORD**

The keyword search is recommended to get a quick statistic or to search for a single code or Table ID. To start a keyword search, simply type into the free-form single search field at the top of the Explore Census Data page (https://data.census.gov/cedsci/).
You can also start or edit your keyword search by typing into the free-form single search bar at the top of the search results page.

For this example, let us say that you are interested in finding the total sales in 2017 for manufacturing establishments. In the search bar, type “total sales for manufacturing in 2017” and click Search.

The search tool will identify and apply filters related to the keywords that you entered into the search field. In this example, the search tool applied filters for “Sales, Shipments, and Production”, “31-33: Manufacturing”, and “2017”. Using these filters, your search will identify 3 tables and 3 maps that may be of interest.
To see the filters that were applied, click the Filter link at the top of the page. This link will display the Advanced Filters overlay with all current filters. Within the Advanced Filters overlay, you may add or remove the filters applied to the current search. Filters added or removed from the Advanced Filters overlay will automatically update the search results.

For more information about searching for filters and using the Advanced Filters functionality, see the Advanced Search section of this guide.
To view all table results, click the "View All Tables (3)" button. For details on navigating the search results, see the Navigating Search Results section of this guide.