



HEALTH INDICATORS WAREHOUSE USER'S GUIDE

The Health Indicators Warehouse

The Health Indicators Warehouse (HIW) is a data hub of a collaborative effort among government and non-government partners to establish a network of suppliers and demanders of community health data, indicators, and interventions. Its purpose is to help Americans access federal and other data on population health, determinants of health, and the health care system and access and to facilitate action to improve performance, outcome, and value.

The site is open to the public and no login is required.

Health Indicators

Health indicators are measurable characteristics of an individual, population, or environment that can be used to describe the health of that individual or population.

Different Ways to Use the HIW Site

There are two main types of users of the HIW site: 1) Those that want to use the site features to find indicators, then view the indicator data online, or perhaps download them for use elsewhere; and 2) software developers that want to connect directly to the data without going through the interactive interface.

User Type 1: Finds Indicators, then Views or Downloads the Data

The bulk of this User Guide is directed at the first type of user described above.

User Type 2: Links to Data via Web Services

Software developers should review the documentation on the FOR DEVELOPERS tab of the interface where an overview of the HIW web services API (Application Programming Interface), release notes, examples, service methods, and service types is provided.

For Developers

The Health Indicators Warehouse provides access to the underlying data through the use of an Application Programming Interface (API) which is designed to present information to systems with disparate architectures and technologies. The API exposes two distinct web services; a RESTful service and a SOAP-based service to provide access to the data.

For more information regarding the HIW Web Services API, please visit the HIW Developers site.

[Visit the HIW Developers Site](#)

Developers may also find it useful to use the interface as described in this User Guide to locate a desired indicator. A link can be found on the right hand side of the FOR DEVELOPERS tab to explore the indicators.

Explore Indicators

Indicators in the HIW are categorized by the associated levels of data **by topic, by geography and by initiative.**

[Explore Indicators](#)

Quick Overview on Finding, Viewing, and Downloading Data

The HIW site allows you to find indicators that are of interest to you, view data on the indicators, and download the data for later use.

1. There are three ways to find indicators on the HIW site: by using the Search Box, by selecting from the categories on the selection pane on the INDICATORS tab, or by using the Health Indicators by Topic listing.
2. The results of any method are displayed on the INDICATORS tab.
3. When you select a specific indicator, information about the indicator, the data values for the indicator, and file formats for downloading the data are available to be displayed.

Getting Started

To access the HIW site, enter the following URL into your browser:

<http://www.healthindicators.gov>

The site performs best when used with the browsers listed below. The site may operate in other browsers, but data may not display properly and technical support staff may not be able to assist you.

- Internet Explorer 8 or higher
- Safari (latest version)
- Firefox (latest version)
- Opera (latest version)
- Chrome (latest version)

Internet Explorer 9 users should make sure compatibility mode is turned off when using the site.

Finding Indicators

Method 1: Using the Search Box to Find Indicators



The Search Box appears on every page of the site and is a simple way to find indicators.

1. Begin typing a search term of your choice. A dropdown list displays system keywords that match your typing. However, even if there is no matching keyword, a search can successfully find an indicator by other words.
2. Select one of the keywords offered, or search on your own custom term. The search function looks for matches among keywords and the description text for each indicator. The search begins automatically, after which the site displays a list of matching indicators on the Search Results screen on the INDICATORS tab (shown on the following page).

HOME INDICATORS RESOURCES ABOUT FOR DEVELOPERS

Search Results

We found **111** indicators which contain:

First < Prev 1 Next > Last

Indicator Title / Data Source	Geographic Level	Latest Year	HP2020 ID
Abstinence instruction receipt before age 18: females (percent) NSFG	N	2010	FP-12.1
College degree: adults 25+ (percent) ACS	N S C	2012	

The results displayed will be listed in alphabetical order by the indicator title, and then will show the Data Source below in grey.

The Geographic Levels the data is available for will be displayed in the list with a button that shows which levels are available (ie. N = National data, S = State level data, C = County level data).

The latest year of data available will also be displayed in the results table.

To view the specific details of one of the indicators in the list, click on the blue title of the indicator and the site will redirect you to the Indicator details and overview.

Method 2: Using the Selection Pane to Find Indicators

Select the INDICATORS tab. The Find Indicators screen appears with the selection pane and the list of matching indicators below it.

HOME INDICATORS RESOURCES ABOUT FOR DEVELOPERS

Find Indicators

Use the filters below to narrow the list of resulting indicators.

Selection Pane >

- Chronic Disease and Conditions
- Data Sources
- Demographics >
- Disabilities
- Geographic Levels
- Health Behaviors +
- Health Care

- Age Group
- Education
- Employment
- Gender
- Poverty
- Race/Ethnicity

We found 3 indicators which contain: Demographics - Employment - **Remove All Filters**

Indicator Title / Data Source	Geographic Level	Latest Year	HP2020 ID
Parent employed year round and full time: children (percent) CPS	N	2010	SDOH-1
Unemployed: persons 16+ (percent) LAUS	N S C	2012	

Matching Indicators List (highlighted in red)

The selection pane provides a way to find indicators by choosing categories and subcategories of information to filter the data.

The matching indicators list changes based on the categories you check and uncheck in the selection pane above it. Before you choose any filters from the selection pane, the list contains over 1,000 indicators. Your goal is reduce the number of items on the list.

1. Hover over a category name on the selection pane. The item is highlighted in blue with a plus sign (+) to its left and a right arrow (>) to its right. To see that item's subcategories, select the right arrow. The subcategories appear in the next column to the right.

- If the category appears useful, click the plus sign to the left of the category. The plus sign changes to a checkmark (✓), its subcategories (if any) appear in the second column, and the number of items on the matching indicators list is reduced.
- Continue to reduce the number of items on the matching indicators list by selecting from the subcategories in the second column of the selection pane, or by selecting a new item from the left column. As you make selections, other categories become invalid and are grayed out. The categories you select appear next to the number of indicators found.
- To unselect a category, select the minus sign on a marker, or select the Remove All Filters link on the far right side of the matching indicators list.
- The Matching Indicators List will display the matching indicators for your results. The Indicators will be listed in alphabetical order by the indicator title, and then will show the Data Source below in grey.

The Geographic Levels the data is available for will be displayed in the list with a button that shows which levels are available (ie. N = National data, S = State level data, C = County level data).

The latest year of data available will also be displayed in the results table.

- To view the specific details of one of the indicators in the list, click on the blue title of the indicator and the site will redirect you to the Indicator details and overview.

Method 3: Finding Indicators using the Health Indicators by Topic

Alternatively, a list of topics is available in the Health Indicators by Topic section of the home page. Clicking one of the topics will display the list of indicators that are available. These topics provide a shortcut to selecting one or more filters to return the appropriate list of indicators.



Once you click on one of the topics, the site will redirect you to the filter tool with the filters for that topic pre-selected.

Viewing Indicators

Once you have used the selection pane to generate a manageable number of matching indicators, you're ready to examine the indicators. The matching indicators list contains indicator titles, a quick view of which Geographic Level's are included for the data (ie. National, State, County level data), and the Latest Year the data has available.

To view a quick overview of the indicator hover your mouse cursor over the title a small blue circle (i) will appear to the right of the title.

1. Click the blue icon to see the overview of information that helps you decide if the indicator includes the information you seek. The overview includes: geographic levels (whether the indicator data are county, state, or national data), data years, and dimensions (the specific characteristics that were measured for that indicator, such as age, sex, or number of visits).
2. Click an indicator title to see the full Indicator Profile.

The Indicator Profile

When you select an indicator title from the matching indicators list the site will redirect you to the Indicator Profile. The profile is made up of the information on the Overview, Data, and Download sub-tabs on the INDICATORS tab.

Overview

The Overview page presents summary information related to the indicator. The information varies by indicator but typically includes Numerator, Denominator, Methodology, and References on the left side of the screen; and Related Keywords, Indicator Information, and Categories on the right side of the screen.

The lines of text in the header are the long description and short description of the indicator. (Also known as the metadata for the indicator, the system looks in these descriptions, and at keywords, for a match when you enter a search term in the site Search Box.)

The list of Related Keywords helps you see other ways to search the data. Hover your mouse cursor over a keyword to see how many indicator matches it returns.

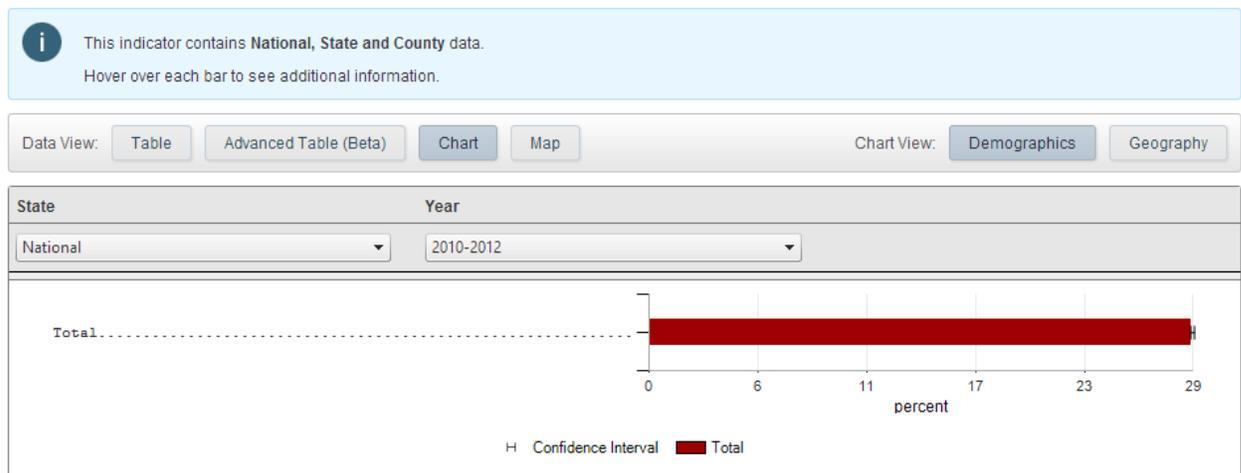
Viewing Indicator Data

To see the actual data values for the indicator, select the Data tab. The data is displayed in table format by default. You can change the display format by selecting the Advanced Table, Chart, or Map buttons. (The HIW is not intended to be an analytic site, so only very basic data visualization is offered.)

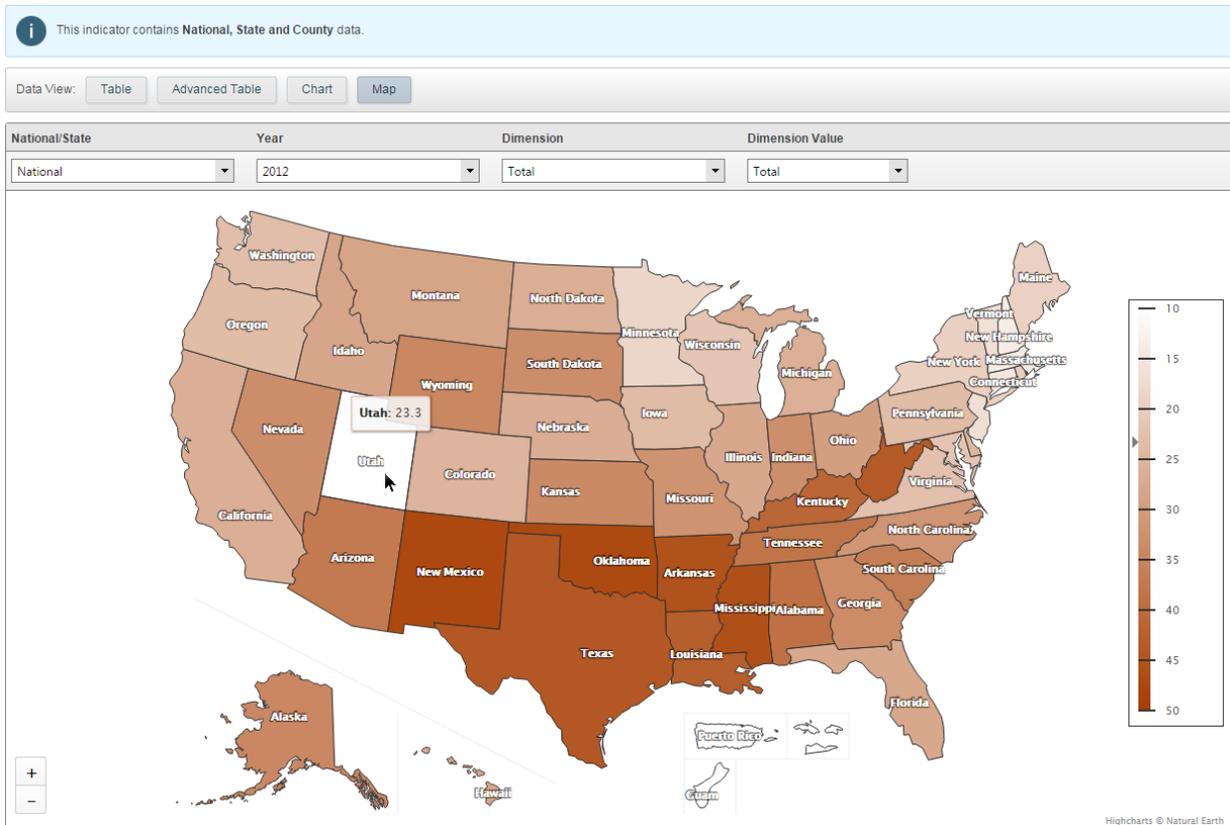
- **Table:** This display format includes all years of the indicator data. The subheadings that organize the data table match the Dimensions displayed on the round blue icon popup.
- **Advanced Table:** This display format includes all years of the indicator data and gives users additional options for visually filtering, sorting, and grouping the data. Users can also filter results by dimension and locale, and can select specific date ranges to display in the table.

Detailed instructions on how to use the Advanced Table option can be found in the [Advanced Table User's Guide \(PDF\) – 244 KB](#).

- **Chart:** This display format shows your choice of one year or a defined set of years. If applicable, the Chart option displays confidence intervals around the indicator estimate(s). Charts may be viewed by Demographics (e.g. Age, Race) or by Geography.



- **Map:** This display format shows data for one year or a defined set of years and dimension at jurisdictional levels (i.e., by state, county, or HRR) and indicates by shading the regions that have associated data. Hover your mouse over the map to display data values. You can use the drop down menus at the top of the map to filter the results by Geographical level (National, State, or County), Dimensions (ie. Age or Race), and specific Dimension Values (ie. Ages 15-17 years) to display a more specific map view of the data.



Download Indicator Data

You may download the data you viewed on the Data page for use with your own applications at a later time. Select the Download tab to choose the data and the file format for your download.

1. Select a File Type. Downloaded files can be opened in any program that can open an Excel (.xlsx) file or a comma separated value (.csv) file. Common programs include Microsoft Excel® and Google Docs®.
2. Select whether to download National data or just the data for a particular state.

Overview **Data** Download [Data Source and Additional Information](#)

File Type: [Excel](#) Data Selection: [National](#)

Your selection contains all data for this indicator.

8.77 MB - This version is intended for use with Excel 2007 and 2010. This version contains one file with separate worksheets for metadata, i.e., the information that describes the indicator and how it was calculated, and data. Please note that there may be multiple data worksheets depending on the number of records in this download. This is due to the record count limitations per worksheet in Excel 2007 and 2010 which is roughly 1 million records.

Having trouble opening the file?

In certain circumstances, the combined downloaded file path and name may exceed the allowances of Excel. If you are unable to extract or open this file, or Excel has indicated that the "path cannot be found", please try moving the download to your desktop and manually extracting the files within the ZIP. You may also select "Save As..." and download the Excel file directly to your desktop.

[Download](#)

Note that as you make different selections from the dropdown lists, the description of the download file is revised to match.

The screenshot shows the 'Download' tab of the Health Indicators Warehouse interface. At the top, there are navigation tabs for 'Overview', 'Data', and 'Download'. Below these, there are dropdown menus for 'File Type' (set to 'Excel') and 'Data Selection' (set to 'State: Alabama'). A red box highlights the 'Download' button at the bottom. The main content area contains text about the data selection, including a note that the selection contains data for Alabama (including county data, if available) for this indicator. It also mentions a file size of 210 KB and provides instructions on how to handle file path issues.

3. Click the Download button. The File Download dialog box appears.
4. Choose to either Open or Save the compressed (.zip) data archive that contains the data you selected.

Resources

The Resources tab offers five sub-tabs: Initiatives, Data Sources, Glossary, FAQ, and Additional Resources. The material included in each of these sections provides more information about the data, where it comes from, what terms mean, and additional information useful in understanding the indicator estimates.

Sharing via Social Media

You can share an indicator you have found by choosing an option from the Share dropdown menu that appears below the Search Box on every page of the site. The Share feature allows you to email or post a link to the indicator data using any of the options listed. An account for these services is required and can be configured outside of the HIW site.

RSS Feed

One of the items on the gray footer area of every screen is a Subscribe to the RSS Feed link. This reads the Centers for Disease Control and Prevention (CDC) RSS feed, which, when available, is also the source of the What's New content on the HIW home page.

Disclaimers

Indicators and selections used for demonstrations in this guide are for demonstration usage only.

Images presented in this guide are for demonstration usage only. Specific items may not be available for actual usage.

The HIW includes sharing to Digg®, Facebook®, and Twitter®. An account for these services is required and can be configured outside of the HIW site. The HIW is not responsible for the content or functionality of any external sites.