



WORLD HEALTH MAPPER

Quick Start Guide



AMERICAN ACADEMY OF
FAMILY PHYSICIANS

 *HealthLandscape*SM



ROBERT
GRAHAM
CENTER

Background

HealthLandscape (an innovation of the American Academy of Family Physicians [AAFP]) and the Robert Graham Center for Policy Studies in Family Medicine and Primary Care are pleased to present the World Health Mapper. This powerful tool for visualizing and understanding global health data gives you easy access to an array of country-level health indicators that can be displayed as a map, table, bar chart, or trend graph. You can also examine the relationship between two health indicators by creating a side-by-side map or a comparison map. The World Health Mapper includes data on the global status of family medicine, which will be particularly interesting if you are engaged in promoting the model of family medicine. These data, which were gathered recently by Graham Center fellow John Parks and others, have been supplemented with population health indicators from the World Bank's World Development Indicators data catalog and the Organisation for Economic Co-operation and Development (OECD) Health Database to provide context for understanding family medicine's growth worldwide.

More information about the data sources is available at:

World Bank World Development Indicators

<http://data.worldbank.org/data-catalog/world-development-indicators>

OECD Health Database

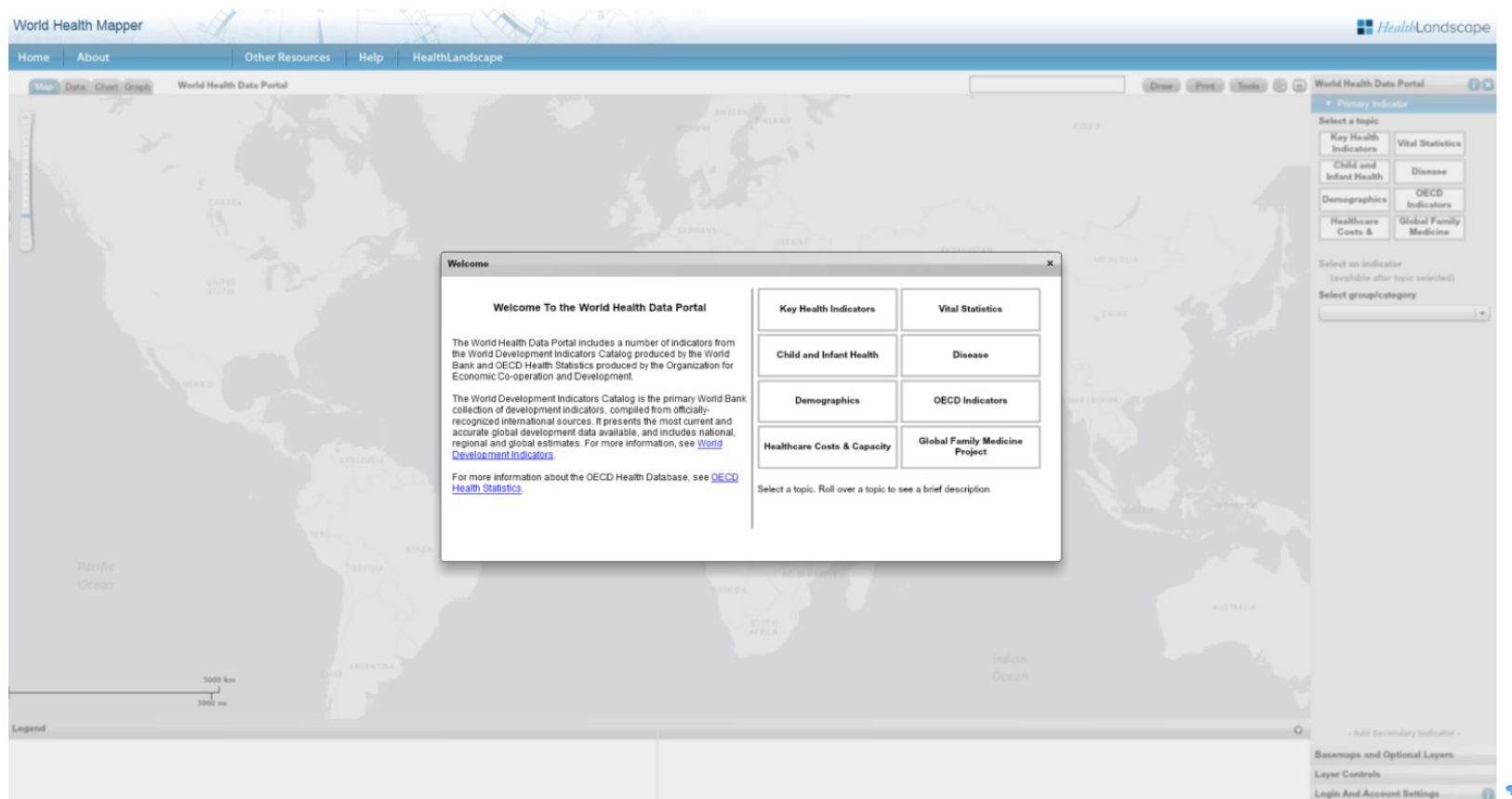
www.oecd.org/health/health-systems/health-at-a-glance.htm

Table of Contents

Welcome Screen	3
Creating a Map	4
Thematic Map View	5
Threshold Map View	6
Adding a Secondary Indicator	
Side-by-Side Maps	7
Comparison Map	8
Data Table	9
Bar Chart	10
Trend Graph	11
Printing	12
Reset Button	13

Welcome Screen

When you enter the World Health Mapper, a **welcome screen** displays general information about the tool's data sources. It also presents eight topic areas in boxes. Hover your cursor over a topic to get more information about the indicators it includes. Click on one of the topic boxes to create a map.



Creating a Map

Create a map by doing the following:

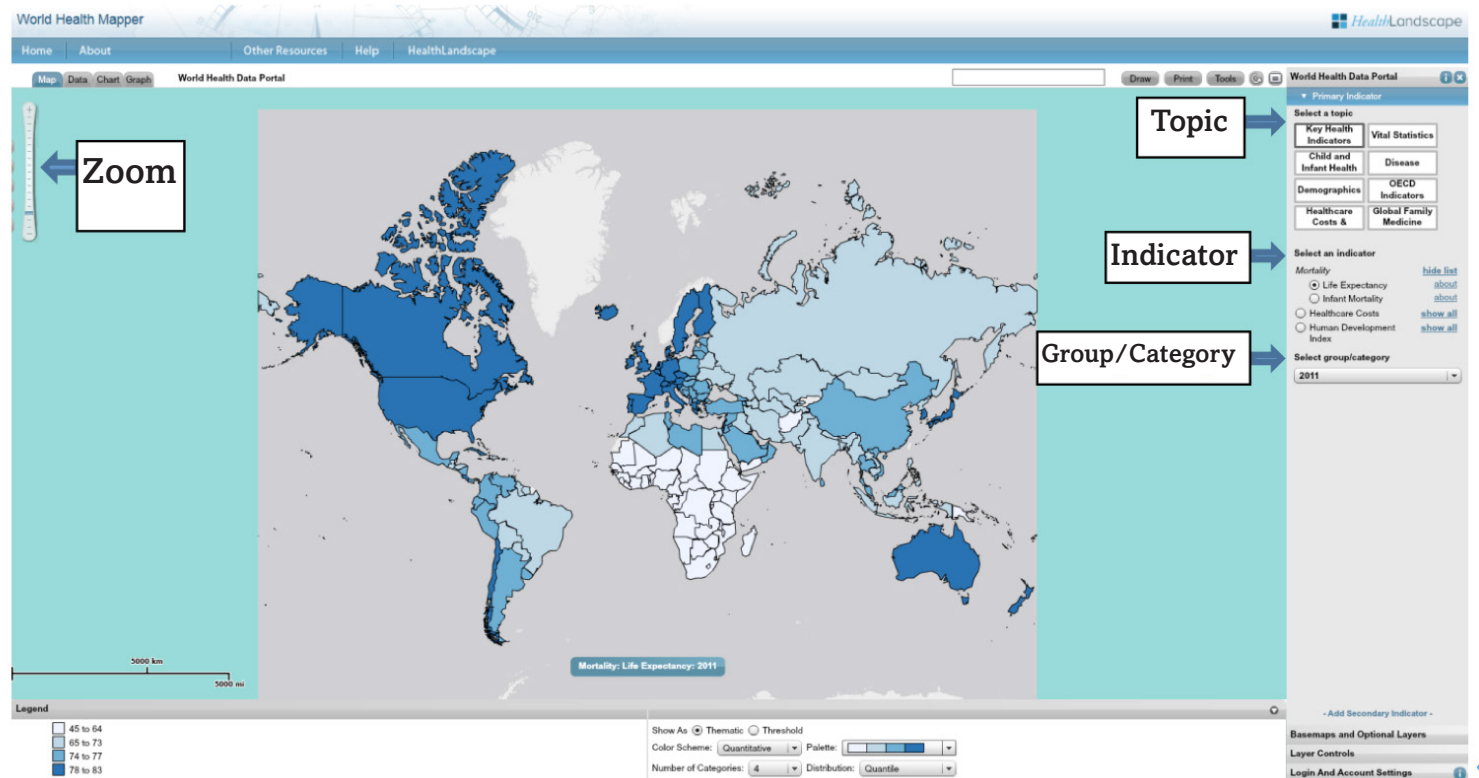
- 1) Select a **topic** by clicking on a topic box.
- 2) Select an **indicator** by clicking the radio button next to the desired indicator.
- 3) Select a **group/category** from the drop-down menu.

Once you have selected a group/category, a world map in different shades of blue will be displayed.

Zoom in on the map by doing one of the following:

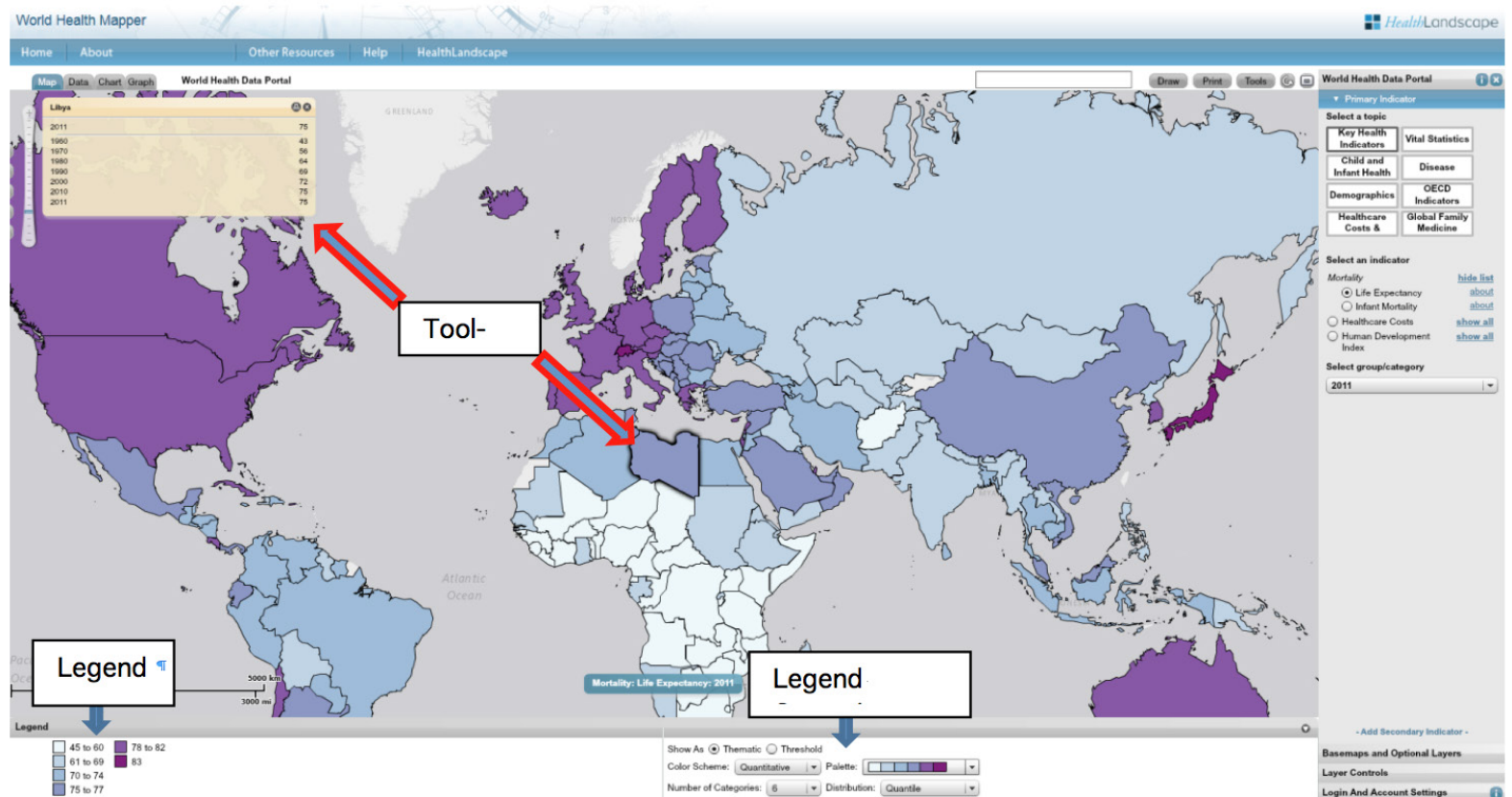
- Double-click on the area of interest.
- Hold down the Shift key while you click and drag with your mouse to draw a box on the map.
- Click the (+) on the zoom bar in the upper left-hand corner of the screen.

Zoom out by clicking the (-) on the zoom bar in the upper left-hand corner of the screen.



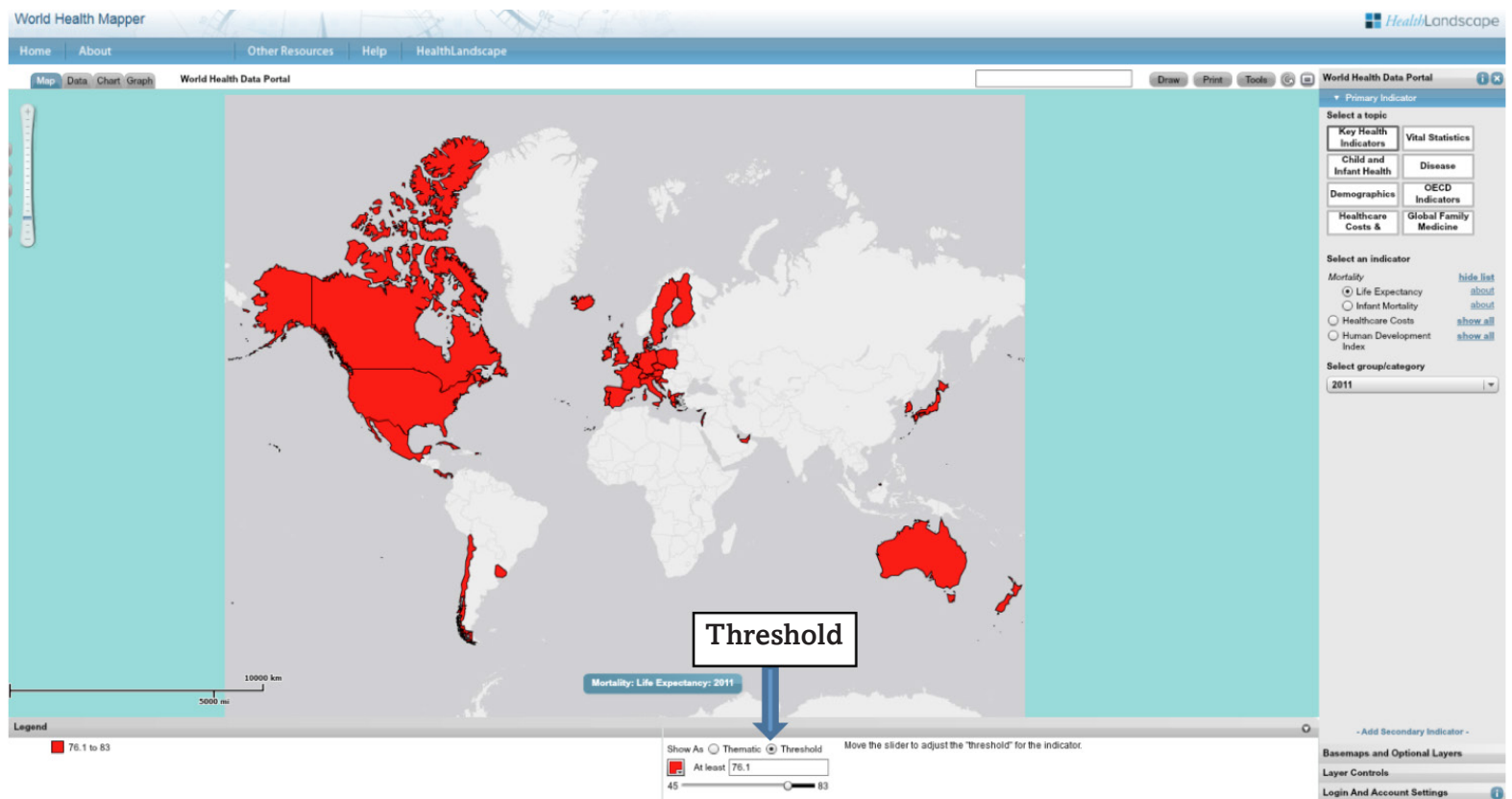
Thematic Map View

The initial map you create will display a **thematic map view**. In addition to your map, you will see a **legend** and **legend controls** at the bottom of the screen. The legend indicates the range of values represented by each shade of color on the map. The legend controls allow you to change the map's color scheme and color palette, the number of value categories into which the data is grouped, and the distribution (i.e., quantile or equal interval). When you move your mouse over a country, a pop-up window called a **tool-tip** will appear. It shows data for the selected indicator in all available groups/categories for the highlighted country.



Threshold Map View

Change to a **threshold map view** by clicking the radio button next to “Threshold” in the legend controls at the bottom of the screen. On a threshold map, you can click and drag the slider bar at the bottom of the screen to set a threshold value so that you will only see countries with values greater than or equal to that value. This allows you to pinpoint countries that have high values on specific health indicators.

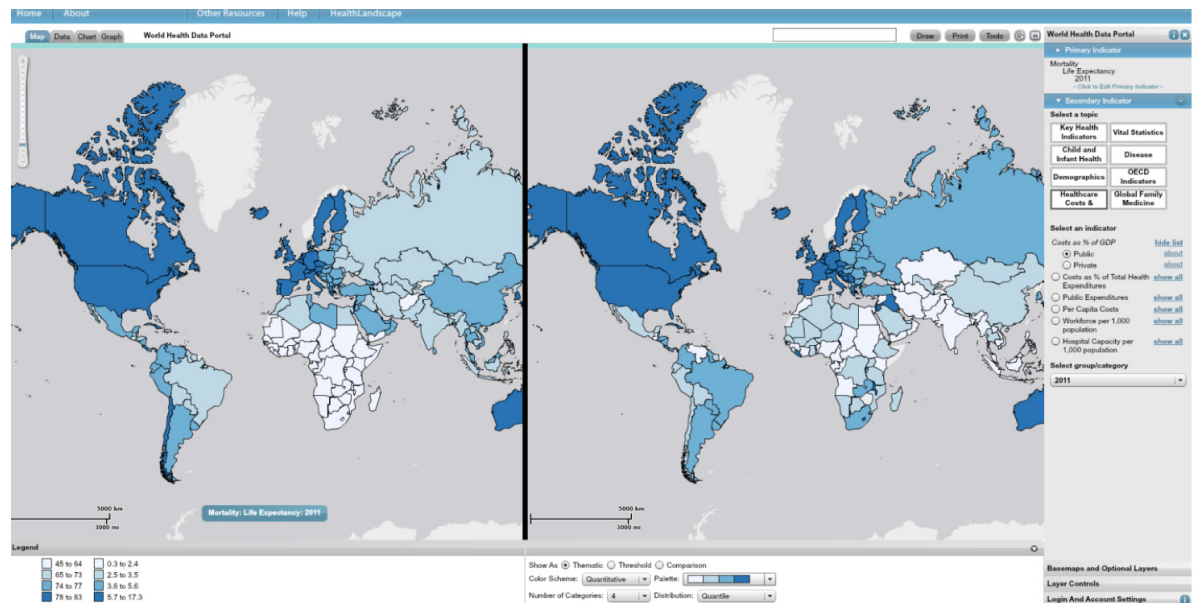
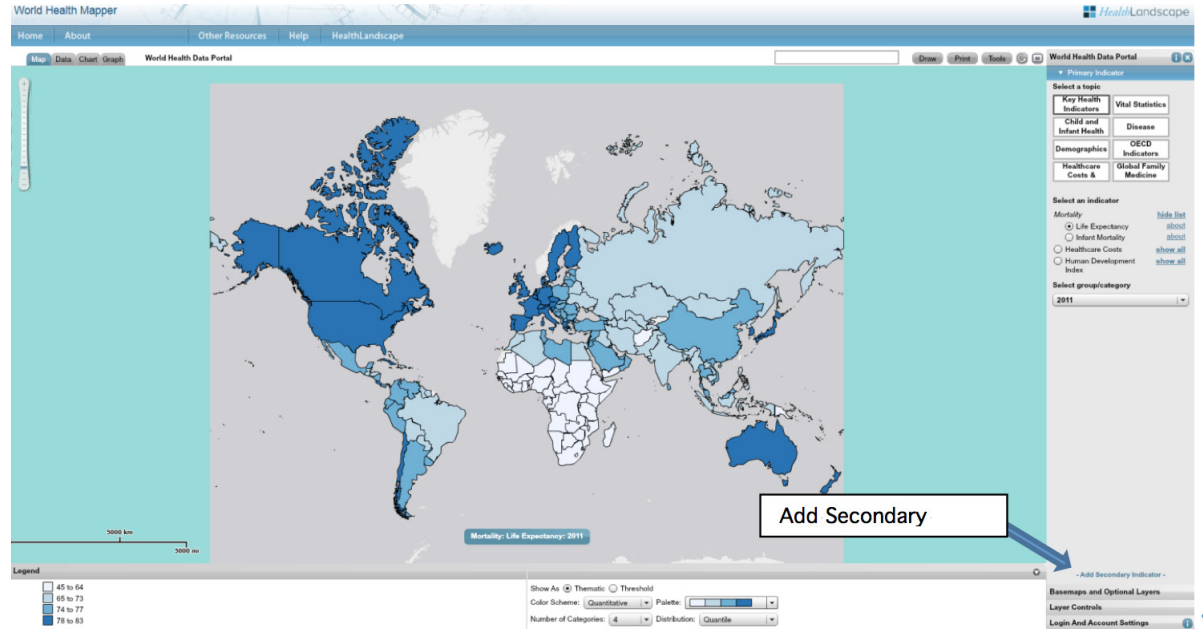


Adding a Secondary Indicator (Side-by-Side Maps)

View two indicators at the same time on side-by-side maps by doing the following:

- 1) Click on “**Add Secondary Indicator**” in the bottom right-hand corner of the screen. (You may need to scroll down to see this text.)
- 2) Select a topic by clicking on a topic box.
- 3) Select a secondary indicator by clicking the radio button next to the desired indicator.
- 4) Select a group/category from the drop-down menu.

Once you have selected a group/category, you will see two maps side-by-side. The map on the left-hand side of the screen displays the primary indicator, and the map on the right-hand side of the screen displays the secondary indicator. When you move your mouse over a country on one map, it is highlighted with a dark red outline on both maps (if data for the selected indicator is available).

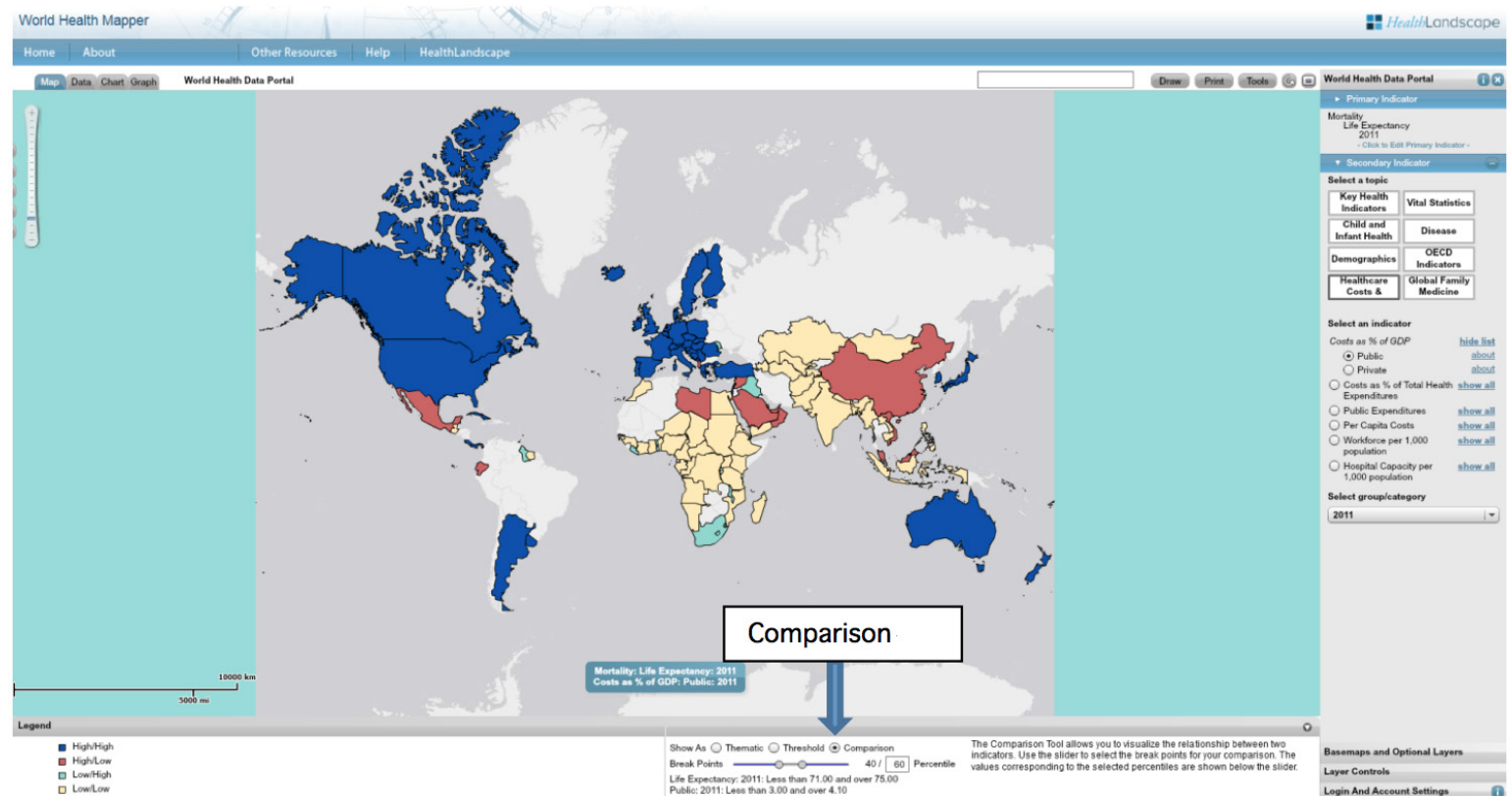


Adding a Secondary Indicator (Comparison Map)

Merge side-by-side maps together by clicking the radio button next to **“Comparison”** in the legend controls at the bottom of the screen. This will merge the primary and secondary indicators together by percentile. Click and drag the slider bar at the bottom of the screen to select the break points for your percentiles. A comparison map displays countries in the following colors, which correspond to the break points:

■ Blue = High/High ■ Red = High/Low ■ Light blue/green = Low/High ■ Yellow = Low/Low

For example, if your break points are 40/60, then blue countries have both primary and secondary indicators in the 60th percentile or above; red countries have the primary indicator in the 60th percentile or above and the secondary indicator in the 40th percentile or below.



Data Table

See all of the data for your selected indicator in tabular form by clicking on the **Data tab** in the upper left-hand corner of the screen. Click on a column header to sort the data by column in ascending or descending order. Download the data table as a .csv file by clicking on the **“Export”** button on the upper right-hand side of the screen.

World Health Mapper

Home About Other Resources Help HealthLandscape

Map Data Chart Graph World Health Data Portal

Draw Print Tools Export

Primary Indicator

Select a topic

- Key Health Indicators
- Vital Statistics
- Child and Infant Health
- Disease
- Demographics
- OECD Indicators
- Healthcare Costs &
- Global Family Medicine

Select an indicator

Mortality

- ☒ Life Expectancy
- ☐ Infant Mortality
- ☐ Healthcare Costs
- ☐ Human Development Index

Select group/category

2011

Country Name	Indicator Name	1960	1970	1980	1990	2000	2010	2011
Afghanistan	Life expectancy at birth, total (years)	32	37	41	49	55	60	60
Albania	Life expectancy at birth, total (years)	62	67	70	72	74	77	77
Algeria	Life expectancy at birth, total (years)	46	50	58	67	69	71	71
American Samoa	Life expectancy at birth, total (years)	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable
Andorra	Life expectancy at birth, total (years)	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable
Angola	Life expectancy at birth, total (years)	33	37	40	41	45	51	51
Antigua and Barbuda	Life expectancy at birth, total (years)	62	66	69	71	73	75	76
Arab World	Life expectancy at birth, total (years)	47	52	58	65	68	70	70
Argentina	Life expectancy at birth, total (years)	65	67	70	72	74	76	76
Armenia	Life expectancy at birth, total (years)	66	70	71	68	71	74	74
Aruba	Life expectancy at birth, total (years)	66	69	72	73	74	75	75
Australia	Life expectancy at birth, total (years)	71	71	74	77	79	82	82
Austria	Life expectancy at birth, total (years)	69	70	72	76	78	80	81
Azerbaijan	Life expectancy at birth, total (years)	61	65	65	65	67	70	71
Bahamas, The	Life expectancy at birth, total (years)	63	66	68	71	72	75	75
Bahrain	Life expectancy at birth, total (years)	52	64	70	73	75	76	76
Bangladesh	Life expectancy at birth, total (years)	47	48	55	60	65	69	70
Barbados	Life expectancy at birth, total (years)	61	65	68	71	73	75	75
Belarus	Life expectancy at birth, total (years)	68	70	70	71	69	70	71
Belgium	Life expectancy at birth, total (years)	70	71	73	76	78	80	80
Belize	Life expectancy at birth, total (years)	60	66	70	71	71	73	73

Country Name Indicator Name 1961 1965 1967 1970 1973 1976 1979 1982 1985 1988 1991 1994 1997 1962 1966 1968 1971 1974 1977 1980 1983 1986 1989 1992 1995 1998 1963 1969 1972 1975 1978 1981 1984 1987 1990 1993 1996 1999

About the data

Description

Derived from male and female life expectancy at birth from sources such as: (1) United Nations Population Division, World Population Prospects, (2) United Nations Statistical Division, Population and Vital Statistics Report (various years), (3) Census reports and other statistical publications from national statistical offices, (4) Eurostat Demographic Statistics, (5) Secretariat of the Pacific Community, Statistics and Demography Programme, and (6) U.S. Census Bureau, International Database, Catalog Sources World Development Indicators

Source

Various

secondary indicator only available on map

Basemaps and Optional Layers

Layer Controls

Login And Account Settings

Bar Chart

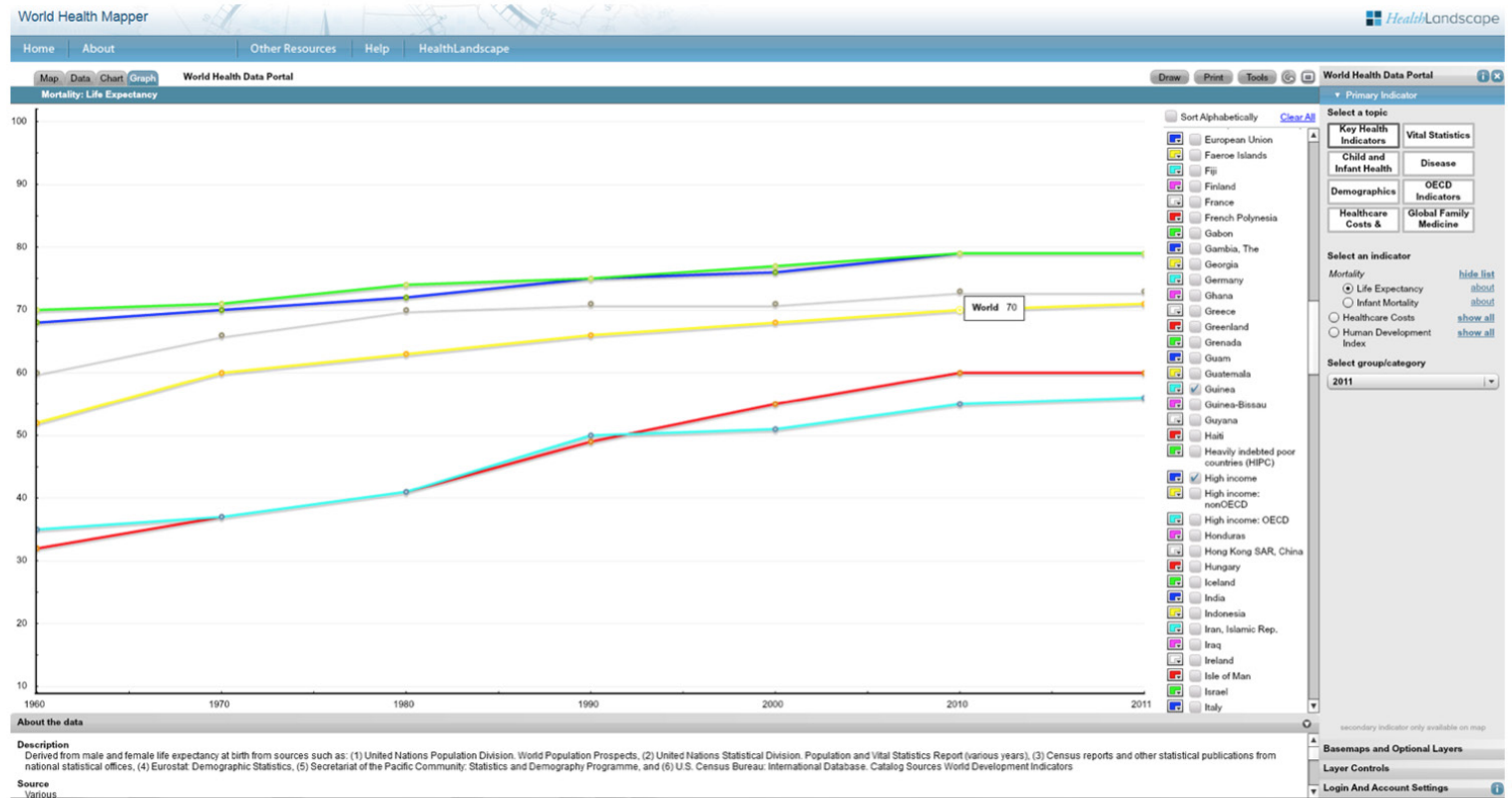
See all of the data for your selected indicator as a bar chart by clicking on the **Chart** tab in the upper left-hand corner of the screen. Select a Sort By option from the drop-down menu at the top of the screen to sort the chart by value or alphabetically. Gray bars on the chart indicate benchmarks for countries categorized by region (e.g., South Asia) and/or income level (e.g., lower middle income).



Trend Graph

See trend data for your selected indicator (if available) by clicking on the **Graph** tab in the upper left-hand corner of the screen. Keep in mind the following when you are graphing trend data:

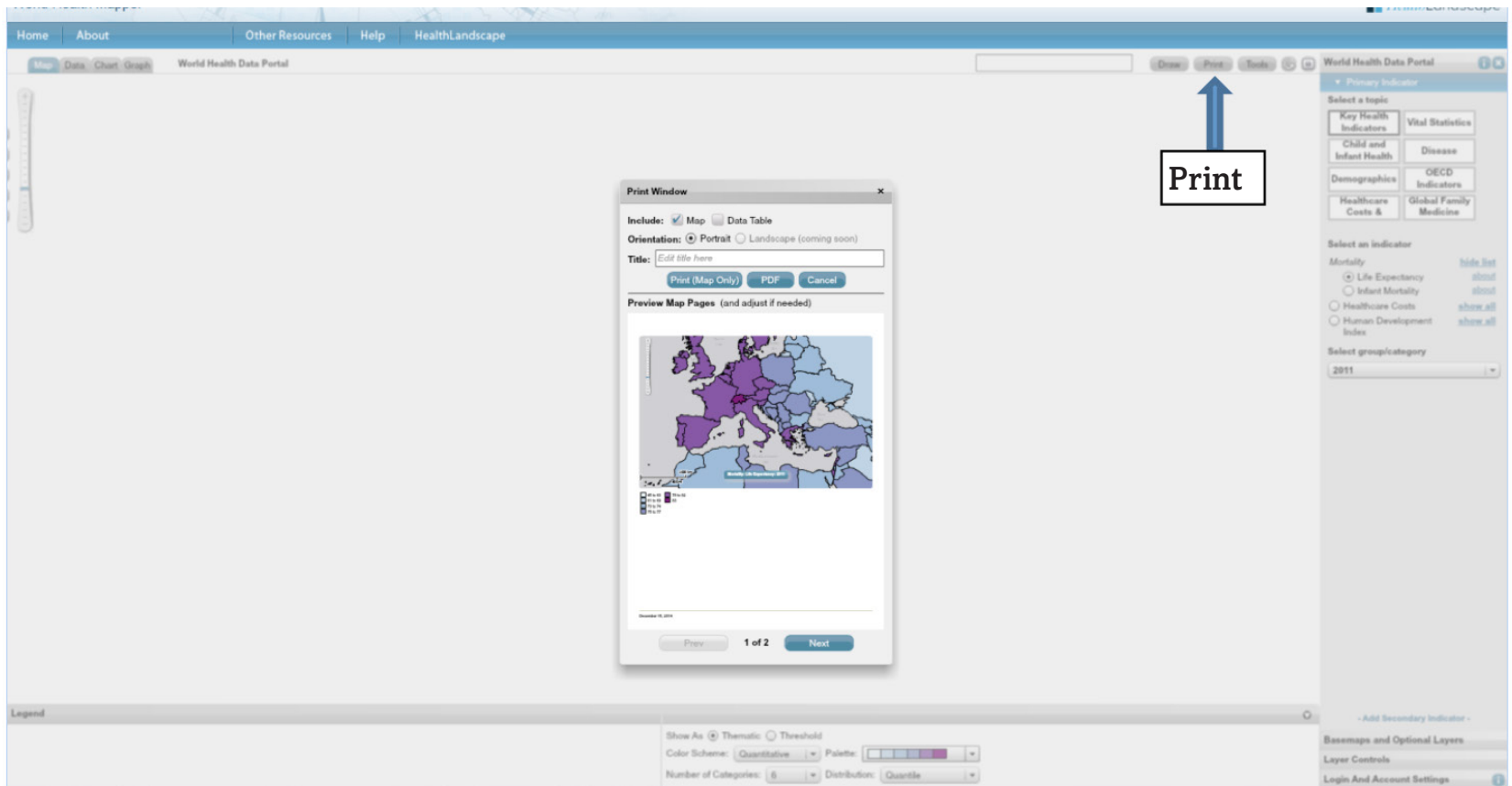
- The graph may take a few minutes to load.
- To display or hide a country on the graph, click on the checkbox next to the country's name to select or deselect it.
- Trend data is not available for all indicators.



Printing

Print a map directly from the World Health Mapper by clicking the **“Print”** button on the upper right-hand side of the screen. In the pop-up window that opens, you can enter a title for your map, and click and drag the map to position it for printing.

You also have the option of downloading a data table and/or map as a PDF. Data tables cannot be printed directly from the tool.



Reset Button

Clear your map and start over by clicking the “**Reset**” button on the upper right-hand side of the screen.

