

How does the Unit Cost Study Repository (UCSR) work?

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11 September 2018

TB-MAC annual meeting

Washington DC

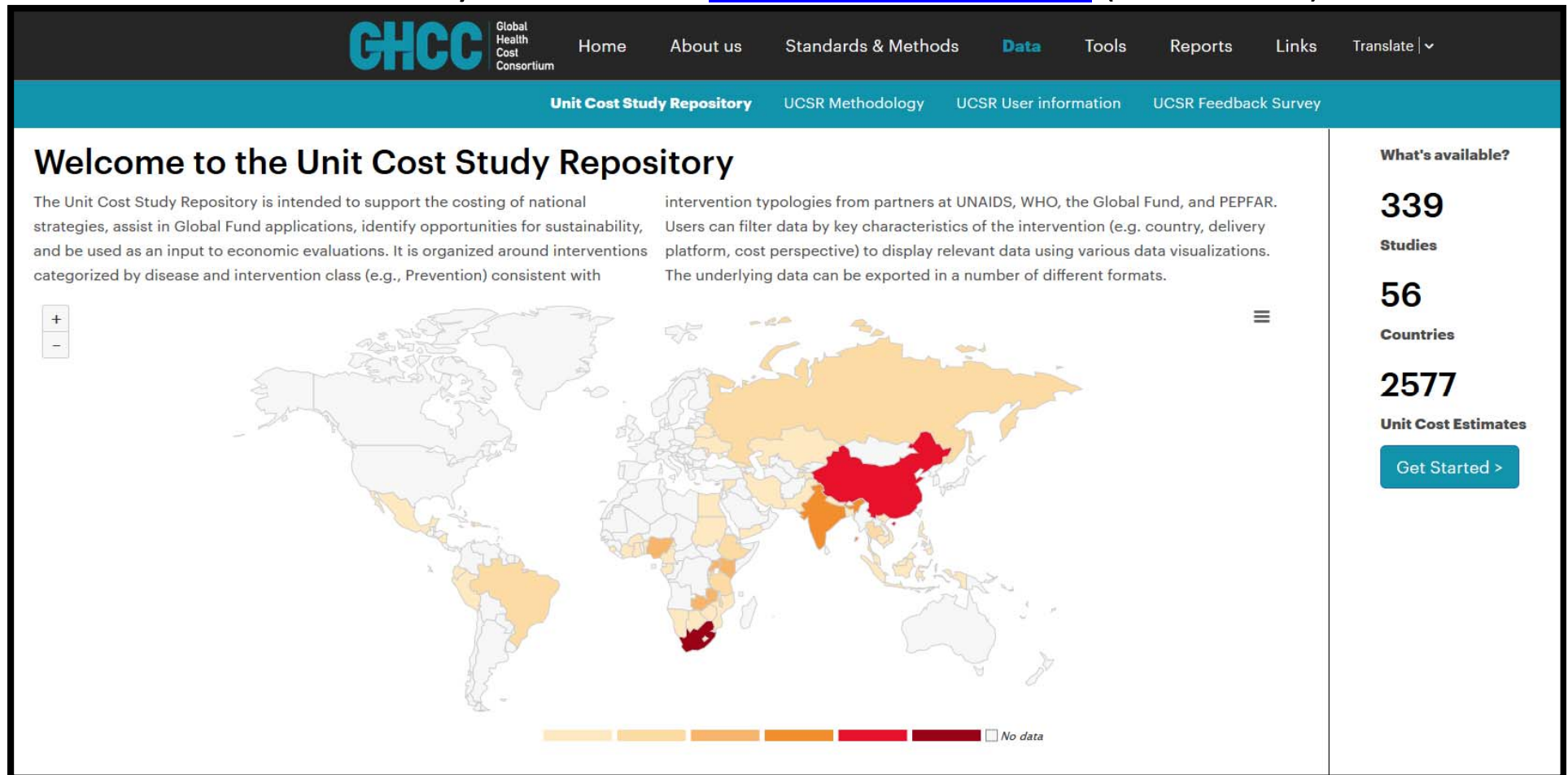
UCSR Overview

History:

- Need for ACCESS to centralized cost data source; also information to assess the QUALITY of cost estimates, without overwhelming the user with data.
- Need for ability to sort data by key characteristics: region, country, type of intervention, platform, etc.
- Builds upon previous [Avenir Health] version which was for HIV only and for studies up to 2013.
- The new and improved version includes studies until mid-year 2016 for HIV and TB, with more details. It currently includes 339 studies in HIV and TB across 56 countries, and 2,577 unique unit cost estimates.
- The TB classification system follow the typology agreed upon by TB-MAC: Prevention; Case Detection, Testing and Diagnosis; Treatment and Care; Enablers and Support; Health System; and Infection control.
- Note that a full patient cost search was done for TB, and these results are also available.

UCSR overview: Welcome screen

Available for you to test at: <https://ghcosting.org> (under data)



UCSR: Step #1 – Main

First, **Select** Disease, Intervention Class, and Intervention. You may narrow your search further by **Selecting** unit of measurement, or location and/or population. Then click **View Results**.

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Unit Cost Study Repository UCSR Methodology UCSR User information UCSR Feedback Survey

1 2 3
Main Filter Charts

Select Your Intervention to Get Started

All fields marked with * are required

SELECT YOUR INTERVENTION

Disease *
TB

Intervention Class *
Prevention

Intervention *
TB Prevention

Unit of Measurement
All

REGIONAL GROUPING

World Bank WHO UNAIDS

LOCATION AND/OR POPULATION

Country/Region
All

Target group (demographic)
All

Urbanicity
All

Target group (clinical)
All

Reset Filters View Results >

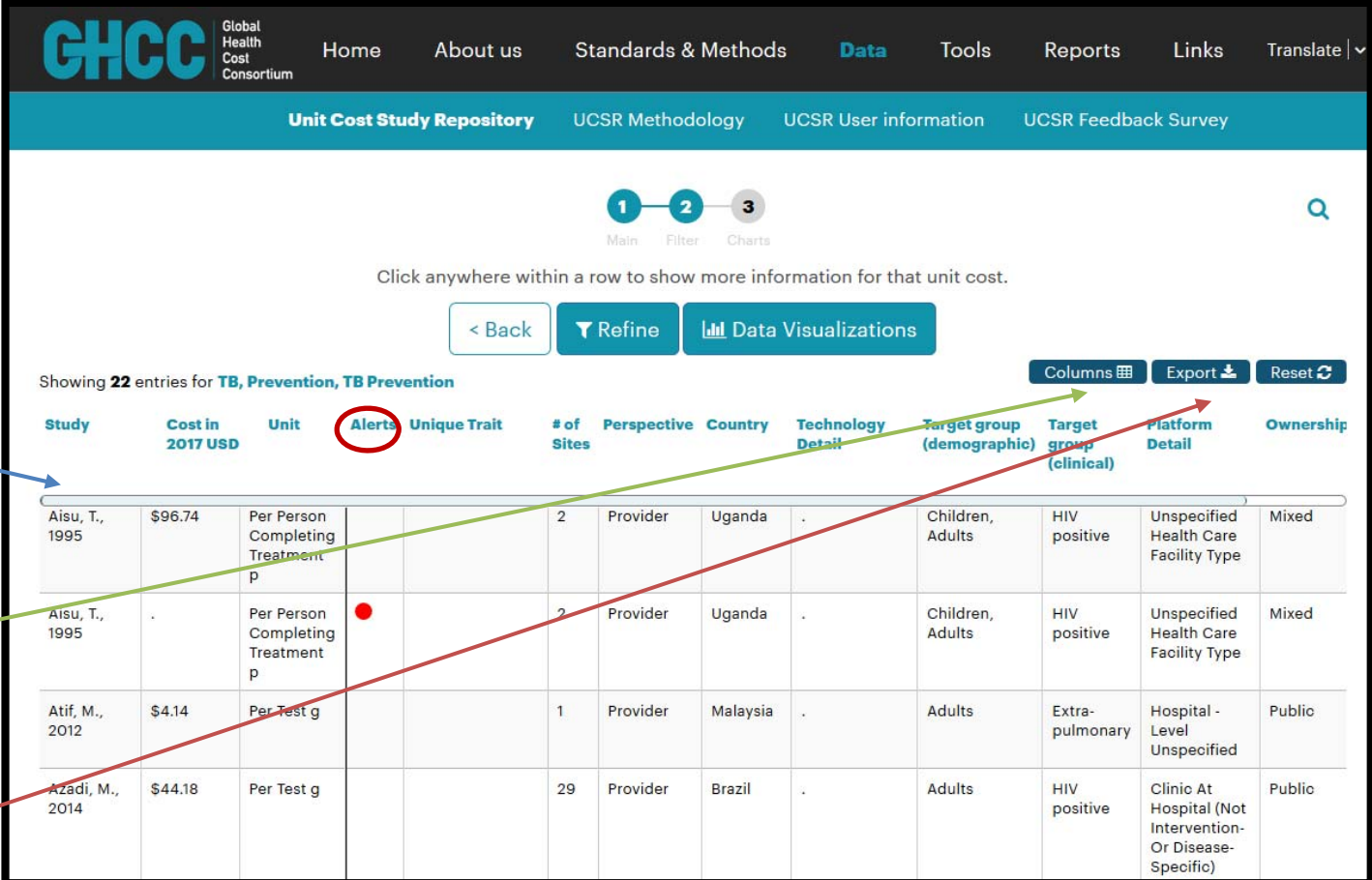
UCSR: Step #2 – Refine

Your results will appear in table form.

Use the scroll bar to see columns to the right.

Reduce columns by choosing from the **Column** list.

You can export the table by clicking **Export**.



The screenshot shows the GHCC Unit Cost Study Repository interface. The top navigation bar includes links for Home, About us, Standards & Methods, Data, Tools, Reports, Links, and Translate. Below this is a secondary navigation bar with Unit Cost Study Repository, UCSR Methodology, UCSR User information, and UCSR Feedback Survey. The main content area displays a table of 22 entries for TB, Prevention, TB Prevention. The table has columns for Study, Cost in 2017 USD, Unit, Alerts, Unique Trait, # of Sites, Perspective, Country, Technology Detail, Target group (demographic), Target group (clinical), Platform Detail, and Ownership. Annotations include a blue arrow pointing to the scroll bar, a green arrow pointing to the Column list, and a red arrow pointing to the Export button.

Study	Cost in 2017 USD	Unit	Alerts	Unique Trait	# of Sites	Perspective	Country	Technology Detail	Target group (demographic)	Target group (clinical)	Platform Detail	Ownership
Aisu, T., 1995	\$96.74	Per Person Completing Treatment p			2	Provider	Uganda	.	Children, Adults	HIV positive	Unspecified Health Care Facility Type	Mixed
Aisu, T., 1995	.	Per Person Completing Treatment p			2	Provider	Uganda	.	Children, Adults	HIV positive	Unspecified Health Care Facility Type	Mixed
Atif, M., 2012	\$4.14	Per Test g			1	Provider	Malaysia	.	Adults	Extra-pulmonary	Hospital - Level Unspecified	Public
Azadi, M., 2014	\$44.18	Per Test g			29	Provider	Brazil	.	Adults	HIV positive	Clinic At Hospital (Not Intervention- Or Disease-Specific)	Public

UCSR: Step #2 – Refine (con't)

You may return to the first screen by clicking on **1**.

Click on **Refine** to filter by implementation feature or by costing method.

Mouse over an individual row to highlight in yellow; click on it, and a second level of further information appears.

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Unit Cost Study Repository UCSR Methodology UCSR User information UCSR Feedback Survey

1 2 3
Main Filter Charts

Click anywhere within a row to show more information for that unit cost.

< Back Refine Data Visualizations

REFINE BY IMPLEMENTATION FEATURE

Platform
All

Ownership
All

Technology
All

REFINE BY COSTING METHOD

Cost Perspective
All

Scale Discussed
All

Economic / Financial
All

Sensitivity Analysis
All

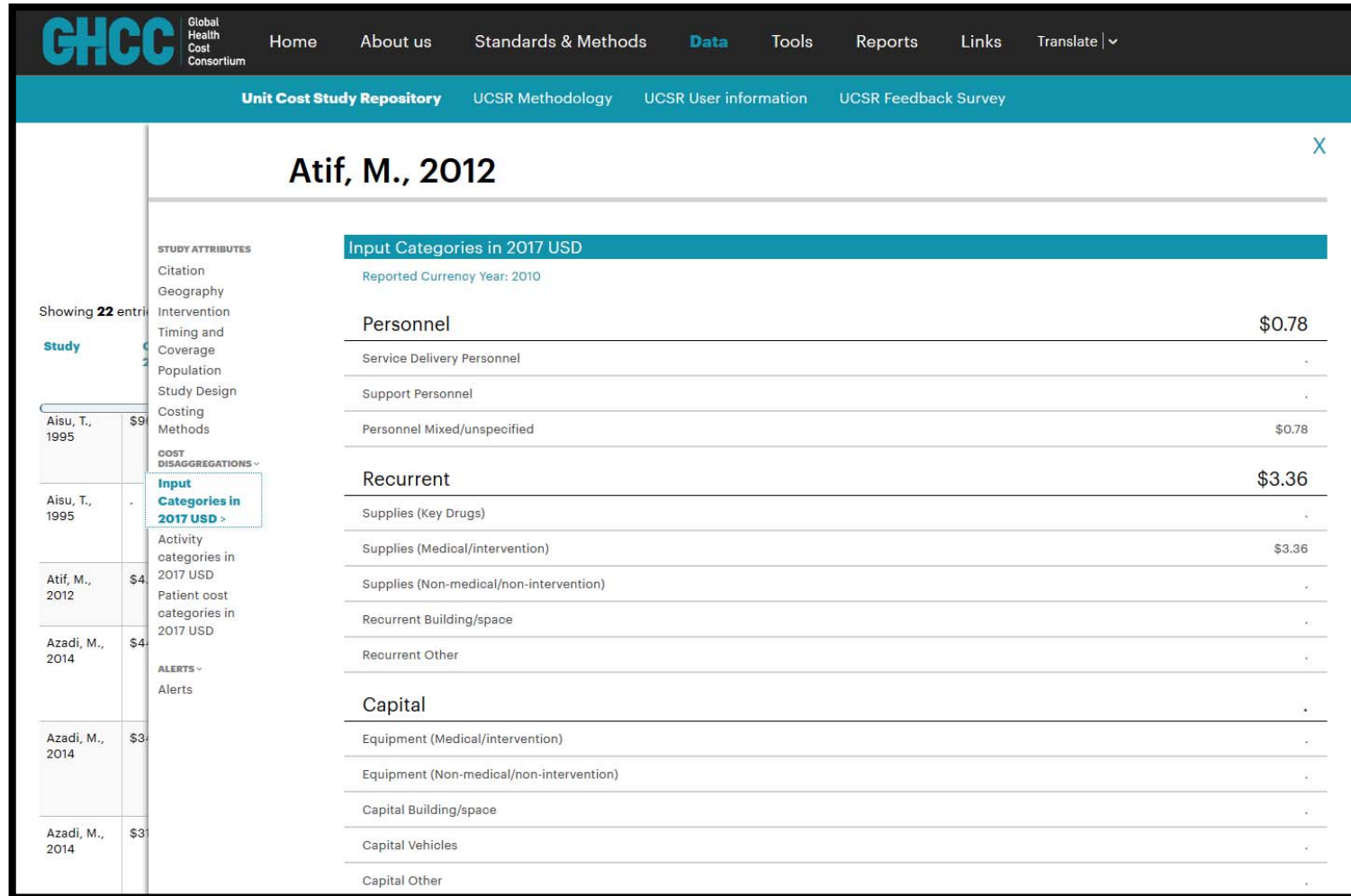
Year of Cost Data Collection
All

Showing 22 entries for TB, Prevention, TB Prevention

Columns Export Reset

Study	Cost in 2017 USD	Unit	Alerts	Unique Trait	# of Sites	Perspective	Country	Technology Detail	Target group (demographic)	Target group (clinical)	Platform Detail	Ownership
Aisu, T., 1995	\$96.74	Per Person Completing Treatment p			2	Provider	Uganda	.	Children, Adults	HIV positive	Unspecified Health Care Facility Type	Mixed
Aisu, T., 1995	.	Per Person Completing Treatment p			2	Provider	Uganda	.	Children, Adults	HIV positive	Unspecified Health Care Facility Type	Mixed
Atif, M., 2012	\$4.14	Per Test g			1	Provider	Malaysia	.	Adults	Extra-pulmonary	Hospital - Level	Public

UCSR: Step #2- More information



The screenshot displays the GHCC Unit Cost Study Repository interface. The top navigation bar includes links for Home, About us, Standards & Methods, Data, Tools, Reports, Links, and Translate. Below this, a secondary bar lists 'Unit Cost Study Repository', 'UCSR Methodology', 'UCSR User information', and 'UCSR Feedback Survey'. The main content area is titled 'Atif, M., 2012'. On the left, a sidebar shows a list of studies with 'Atif, M., 2012' selected. The main panel displays 'Input Categories in 2017 USD' with a table of costs. A 'COST DISAGGREGATIONS' dropdown menu is open, showing 'Input Categories in 2017 USD' as the selected option.

Input Categories in 2017 USD	
Personnel	\$0.78
Service Delivery Personnel	*
Support Personnel	*
Personnel Mixed/unspecified	\$0.78
Recurrent	\$3.36
Supplies (Key Drugs)	*
Supplies (Medical/intervention)	\$3.36
Supplies (Non-medical/non-intervention)	*
Recurrent Building/space	*
Recurrent Other	*
Capital	*
Equipment (Medical/intervention)	*
Equipment (Non-medical/non-intervention)	*
Capital Building/space	*
Capital Vehicles	*
Capital Other	*

The second level contains details on study attributes, disaggregated costs, and alerts.

To be added:
costs in the original currency

UCSR: Step #3 – Data visualizations

Click on **Data Visualizations** to display your data in chart form.

A pop-up box will appear describing the two different options available to compare your data visually – by country or by characteristic. Click **Got it**.

Check the box if you do not want the pop-up message to be shown again.

The image displays two screenshots of the GHCC (Global Health Cost Consortium) Unit Cost Study Repository website. The top screenshot shows the main navigation bar with the 'Data' tab selected. Below the navigation bar, there are tabs for 'Unit Cost Study Repository', 'UCSR Methodology', 'UCSR User information', and 'UCSR Feedback Survey'. A progress indicator shows three steps: 1. Main, 2. Filter, and 3. Charts. A search bar is visible on the right. Below the progress indicator, there is a button labeled '< Back' and a button labeled 'Data Visualizations'. The bottom screenshot shows a pop-up box titled 'Data visualizations' with the following text: 'The visualization section displays in chart form (map, box plot, bar chart) the results you just saw in table form.' Below this, it states 'You have two options to COMPARE your data through visualizations:'. The first option is '1. Country. In this case, your results will be grouped by country.' The second option is '2. Characteristic (filter). In this case, your results will be grouped first by the characteristic that you chose, and then by country.' It then explains that for visualization purposes, the number of countries displayed can be limited to three. At the bottom of the pop-up, there is a 'GOT IT' button and a checkbox labeled 'Do not show this message again'.

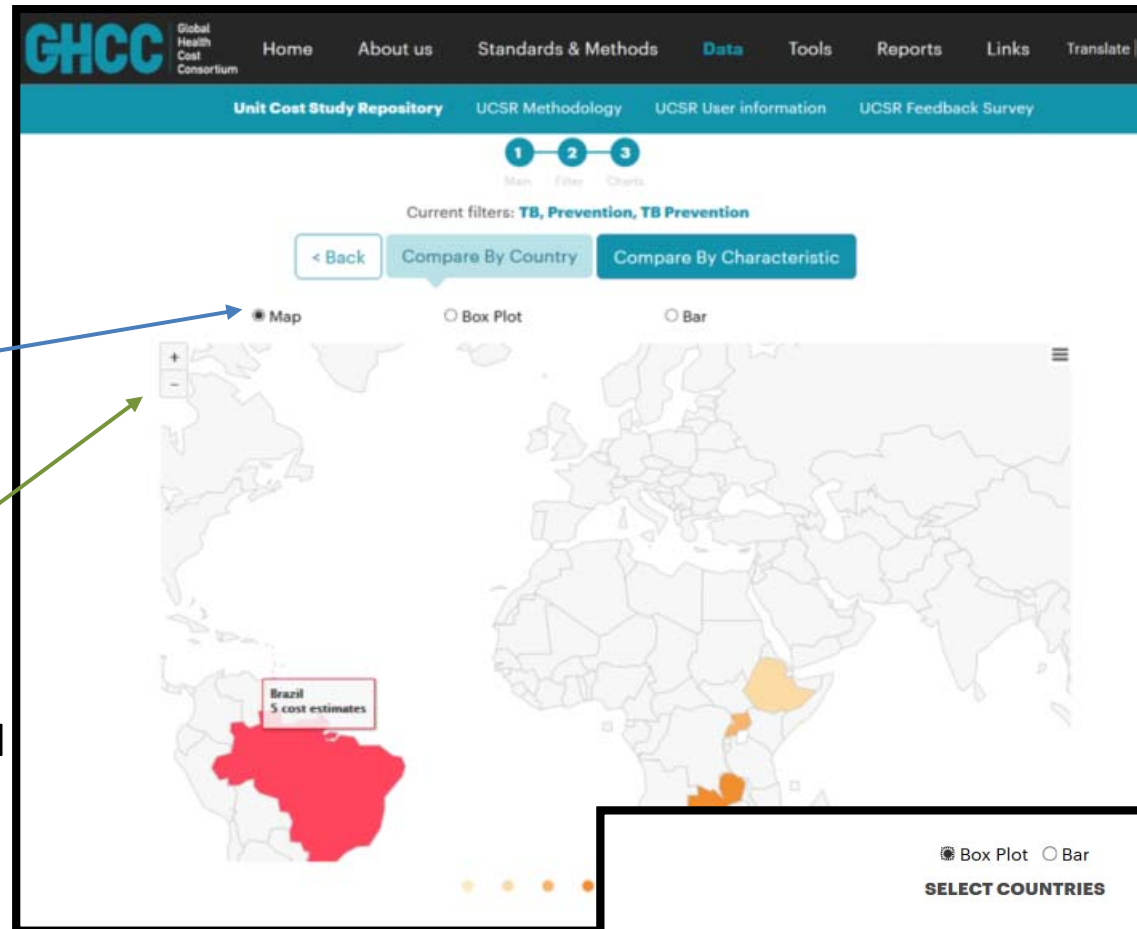
UCSR: Step #3 – Data viz (cont'd)

There are different types of main charts.

The map shows the number of cost estimates by country.

Click + or – to zoom in or out on the map.

If you choose box plot or bar chart, a box will pop up asking you to narrow your country selection for display purposes.

This is a modal dialog box titled 'SELECT COUNTRIES'. It contains three empty dropdown menus for selecting countries. At the bottom, there are two buttons: 'Cancel' and 'View'. Above the dropdowns, there are radio buttons for 'Box Plot' (selected) and 'Bar'. The dialog box is overlaid on the bottom right of the main interface.

UCSR: Step #3 – Data viz (cont'd)

Countries are color coded in the box plot and bar chart.

When you hover over a data point (one unit cost estimate), the value and source appear.

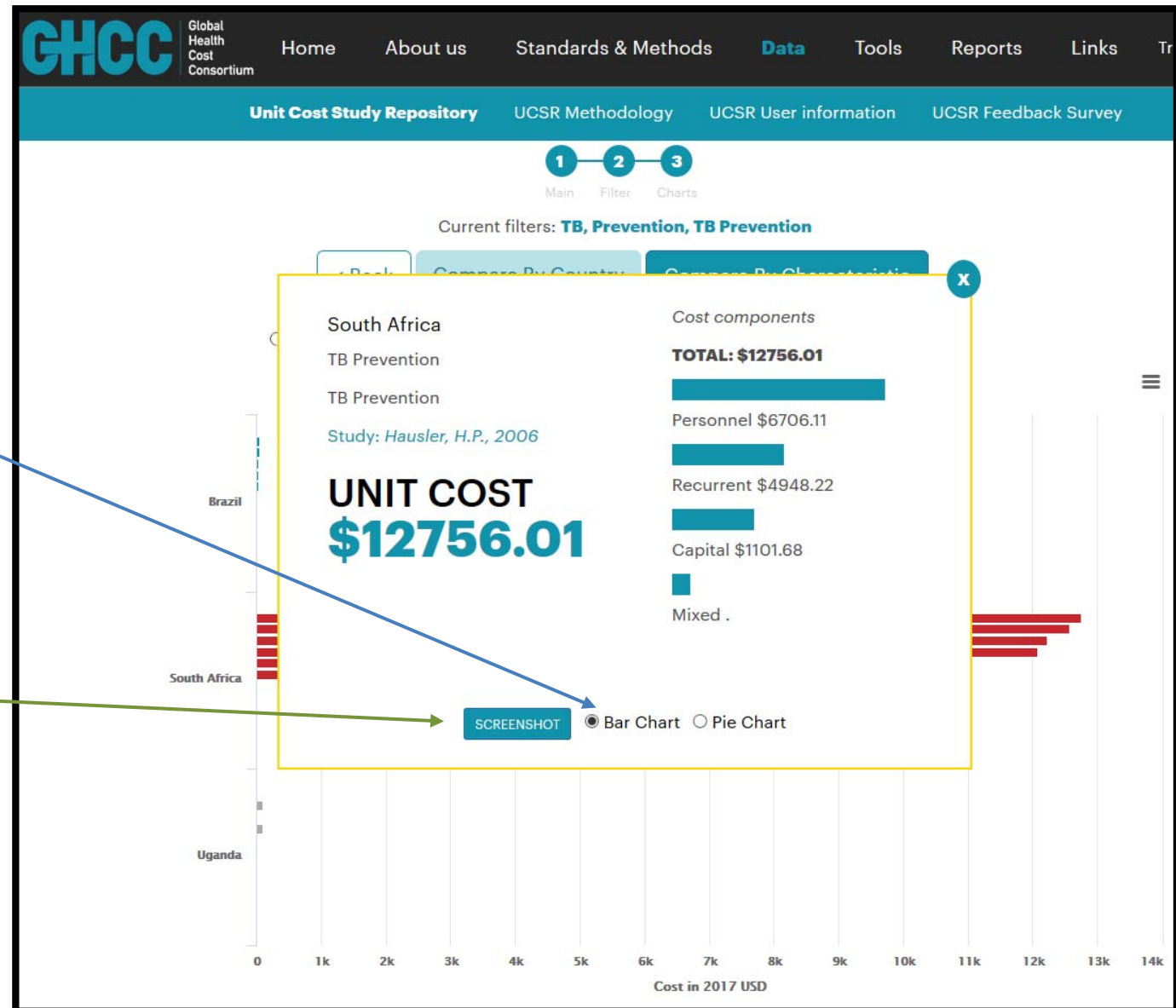


UCSR: Step #3 – Data viz (cont'd)

If you **click** on a data point, a secondary chart will appear with either bar or pie charts (click the radio buttons at the bottom).

You may also take a screenshot of your chart

(N.B.: For the main charts click on the hamburger icon)



Thank you!

Your feedback is welcome! Please go to “UCSR Feedback survey” on the web site to fill out a brief survey!



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