

Healthcare-Associated Infections Map and Hospital Profile Dashboard

User Guide

Healthcare-associated infections (HAI) occur as an unintended result of patient care. Public reporting of HAI data allows Californians to assess the quality of care in hospitals and make more informed health care choices. This user guide will provide instructional assistance and improve usability to users of the HAI interactive map.

The map and Hospital Profile Dashboard were created using Tableau software. Data visualization capabilities in Tableau allow you to explore data and share what you find in just a few clicks.

The map provides information about five types of infections reported by California acute care hospitals in 2016. Findings are shown as better, worse, or the same as the national or statewide comparisons (baseline). The hospital profile provides a detailed two-page summary for each hospital that presents data more visually and displays HAI incidence over time. Each hospital profile can be printed and used for side-by-side comparisons with other hospital profiles.

Navigating Using a Keyboard

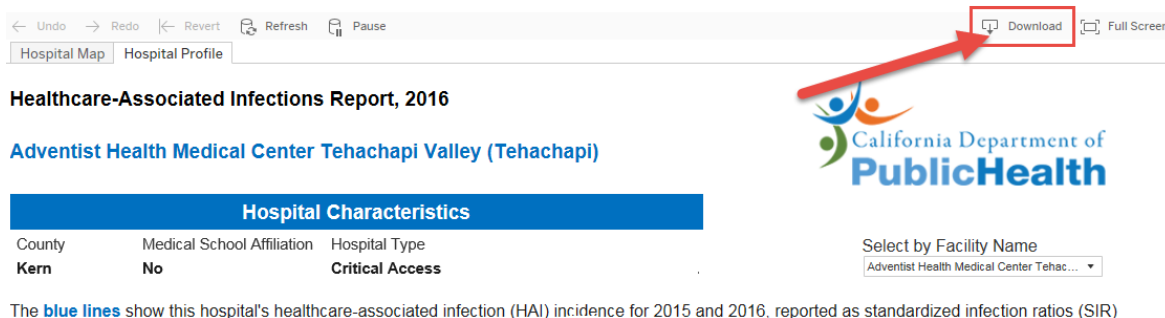
For accessibility, Tableau dashboards can be navigated with a keyboard. Use the “Tab” key to move around the page. [The full list of keyboard shortcuts is available here:](#)

<https://onlinehelp.tableau.com/current/pro/desktop/en-us/shortcut.html>

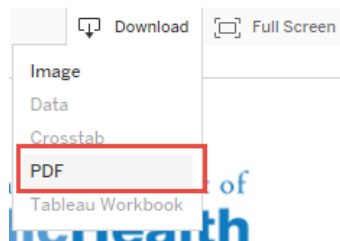
Printing

Printing the Map or Hospital Profile requires exporting to PDF first.

1. Click the Download button in the toolbar at the top of the page.



2. Click “PDF”.



- For the Hospital Profile, use the following Layout, Paper Size, Scaling, and Content settings. Note that “Scaling” must be set to “At most 1 page wide” to ensure it prints correctly on two pages.

The screenshot shows a 'Download PDF' configuration window. It has several sections: 'Layout' with 'Portrait' and 'Landscape' icons; 'Paper Size' with a dropdown set to 'Letter'; 'Scaling' with a dropdown set to 'At most 1 page wide' (highlighted with a red box); 'Content' with three icons: 'This Dashboard', 'Sheets in Dashboard', and 'Sheets in Workbook'; and 'Sheets to Download' with a single item 'Hospital Pro...'. At the bottom are 'Cancel' and 'Download' buttons.

- Click “Download.” A small “Download PDF” window appears lower on the page. Choose “Download” again.

The screenshot shows a small 'Download PDF' window with a close button (X) in the top right. The text inside says 'The PDF file has been generated.' Below this text are two buttons: 'Cancel' and 'Download' (highlighted with a red box).

- Another window appears at the bottom of the screen asking if you want to Open or Save the PDF file. Choose Open to open or print the PDF now, or Save to file or print later.

Do you want to open or save **Hospital Profile.pdf** (370 KB) from **datavisualization.staging.cdph.ca.gov**?

Open

Save

Cancel



Using the Hospital Map

1 **2** **3** **4** **5**

Undo → Redo ← Revert Refresh Pause Download Full Screen

Hospital Map Hospital Profile

My Hospital's Infections

HAI are infections that occur during healthcare. California hospitals track and report five types of HAI. This map shows California hospital's HAI results for 2016.

MAP LEGEND

Hospital infection rates for CLABSI, MRSA BSI, CDI, and SSI are compared with the U.S. national average (baseline) rates. Hospital VRE BSI rates are compared with California average rates.

- ★ Better than National Baseline or Statewide Rate
- ✖ Worse than National Baseline or Statewide Rate
- ⊖ Same as National Baseline or Statewide Rate
- Not Enough Data to Compare

3 Select by Infection Type

Central Line-Associated Bloodstream Infections (CLABSI)

For SSI, select by Procedure Type
To switch from SSI to another infection type, choose "Non-SSI".

Non-SSI

4 Select by County Name (All) Select by Facility Name (All)

5 Map of California showing hospital locations and infection rates. Legend indicates: ★ Better than National Baseline or Statewide Rate, ✖ Worse than National Baseline or Statewide Rate, ⊖ Same as National Baseline or Statewide Rate, ● Not Enough Data to Compare.

If you don't see your hospital on the map, your hospital may be reporting data combined with another hospital. See the complete list here:
<https://www.cdph.ca.gov/Programs/CHCQ/HAI/CDPH%20Document%20Library/2016-HAI-Combined-Campuses-CA-Hospitals103017.pdf>

Read the full report:
<https://www.cdph.ca.gov/Programs/CHCQ/HAI/Pages/AnnualHAIReports.aspx>

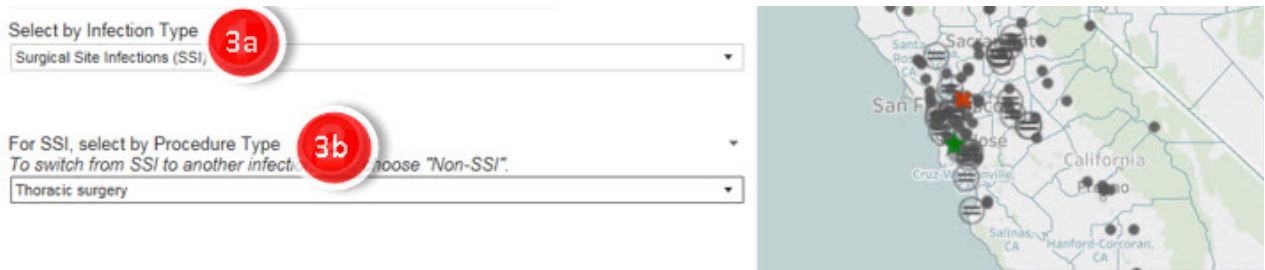
Map user guide here:

Share comments or questions to: <mailto:HAIProgram@cdph.ca.gov>

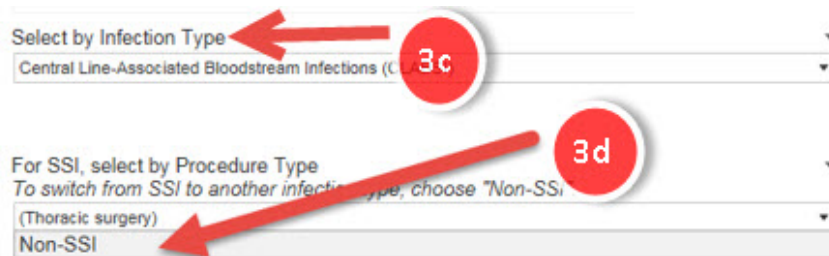
CDPH ADA compliance and accessibility information:
<https://www.cdph.ca.gov/pages/accessibility.aspx>

- The toolbar provides various options you can control:
 - Undo, Redo – Undo or Redo an action, such as modifying a filter setting.
 - Revert – Undo all filter selections and “revert” to the original dashboard settings. Use Revert if you have made multiple filter selections and want to return to a clean slate.
 - Refresh and Pause – Not applicable to the HAI Map and Hospital Profile and can be ignored.
 - Download – Export the dashboard as a PNG image or PDF file for printing.
 - Full Screen – Expand the dashboard to fill the entire screen. This is good for use in presentations. Click the “Esc” button on your keyboard to exit full-screen mode.
- Tabs allow quick navigation between the Hospital Map and the Hospital Profiles.
- By default, the map shows data for the CLABSI infection type. The filters allow you to choose a different Infection Type as well as a surgical Procedure Type (for SSI Infection Type only).

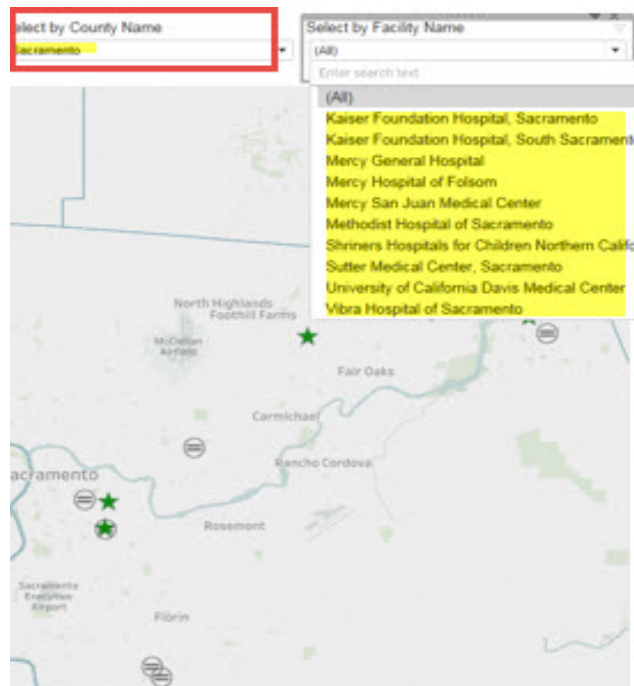
- a. First, choose an Infection Type by clicking the “Select by Infection Type” dropdown menu. Choose a different Infection Type to update the results shown on the map.
- b. If you choose “Surgical Site Infections (SSI)” from the Infection Type list, the map disappears. To bring it back, click the dropdown menu, “For SSI, select by Procedure Type.” Choose a Procedure Type and the map returns to show the SSI results for the Procedure type selected.



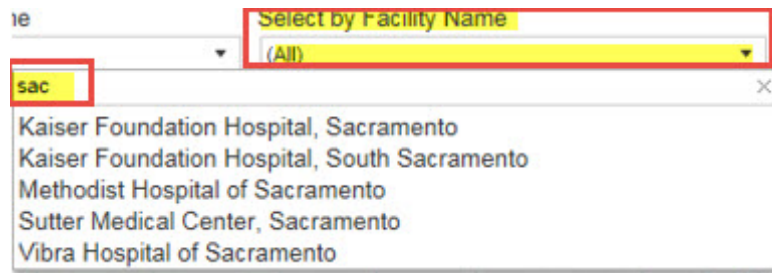
- c. To go back from SSI to a different Infection Type, repeat the procedure. First click the drop-down menu for “Select by Infection Type” and choose a different Infection Type.
- d. The map disappears. To bring it back, click the drop-down menu for Procedure Type and choose “Non-SSI”.



4. To choose a specific County and/or Facility to view on the map, use filters Select by County Name or Select by Facility Name. In this example, we chose Sacramento County. Notice that the map zooms in on Sacramento, and the Facility Name list updates to show only the Facilities in Sacramento County.

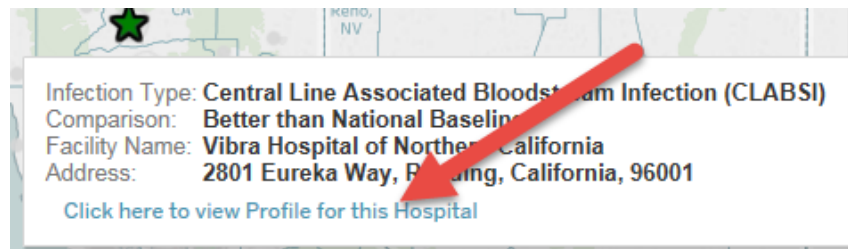


- a. The Facility Name search updates dynamically. For example, if I start typing “sac”, it shows me a list of all Facilities with “sac” in their names.

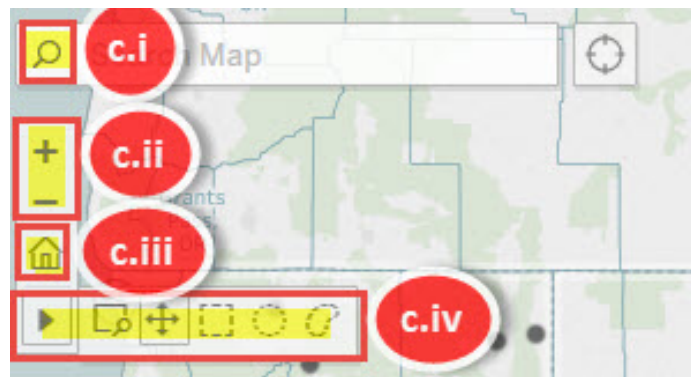


5. To interact with the map and view a Hospital Profile:

- a. Hover over a hospital icon (star, x, or equal sign) to see additional details, including Facility Name and Address.
- b. Click on the icon and a link, “Click here to view Profile for this Hospital,” will appear. Click the link to be taken directly to the Hospital Profile.

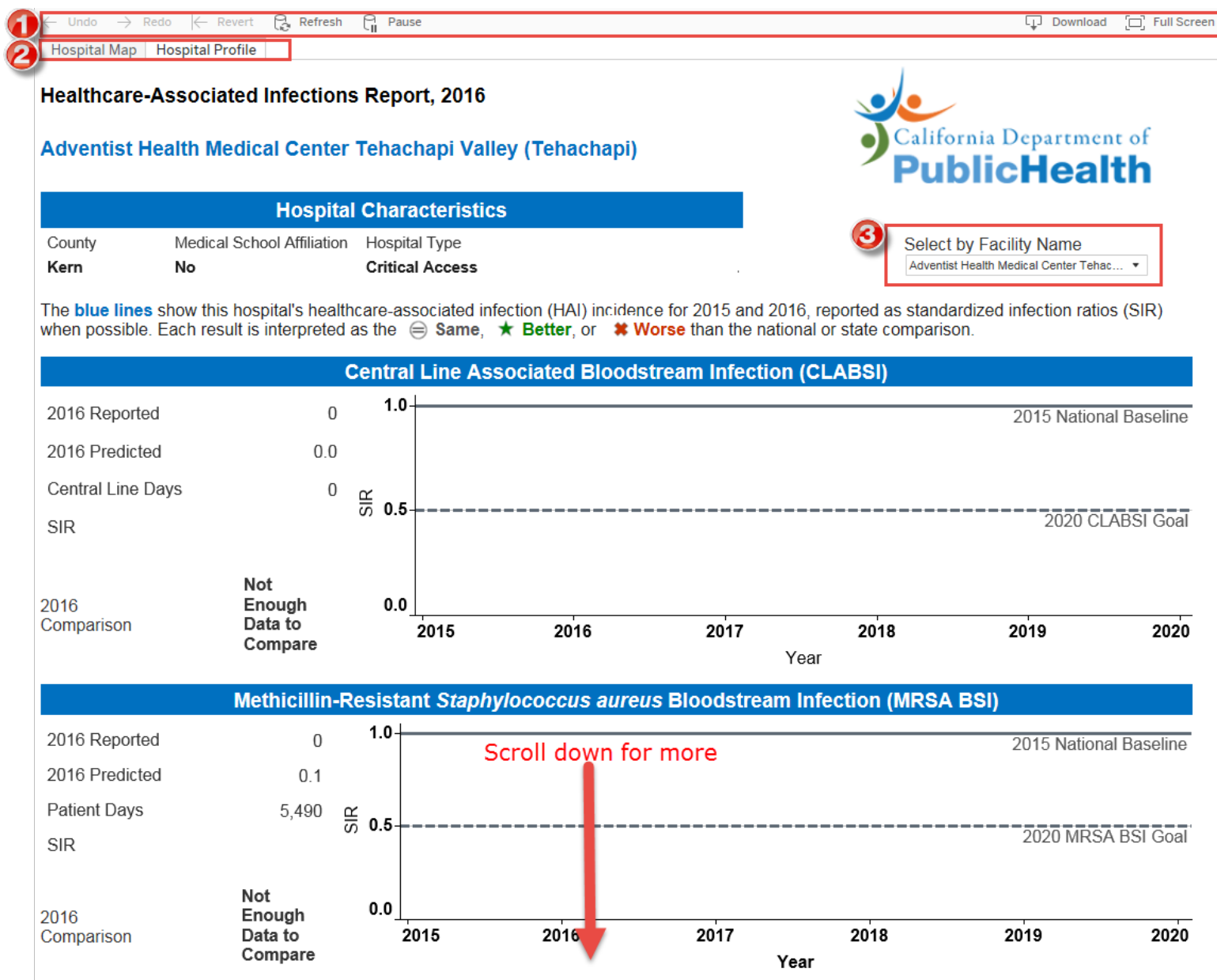


- c. Hover over the map to view the Map Control tools.



- i. To search for a specific geographic location, such as City or County name, click the magnifying glass and type in the search bar
- ii. Use the “+” and “-” symbols to zoom in and out, respectively
- iii. Click the Home icon to reset the map to the default zoom level
- iv. Hover over the right-pointing arrow to see additional map controls. The default setting is the icon with overlapping arrows, which allows you to click and drag the mouse to move the map. Explore other options to select and view areas of the map.

Using the Hospital Profile



1. The toolbar provides various options you can control
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 - c. Refresh and Pause –Not applicable to the HAI Map and Hospital Profile and can be ignored.
 - d. Download –Export the dashboard as a PNG image or PDF file for printing.
 - e. Full Screen –Expands the dashboard to fill the entire screen. This is good for use in presentations.
Click the “Esc” button on your keyboard to exit full-screen mode.
2. These tabs allow quick navigation between the Hospital Map and the Hospital Profile.
3. Select by Facility Name filter - Click the drop-down menu to select a specific Facility and view their profile. The search bar updates the list dynamically as you type.
4. The Hospital Profile is designed to fit on two pages so make sure to scroll down to see all the information!