# Healthcare-Associated Infections HAI Interactive Map User Guide

Updated September 2023

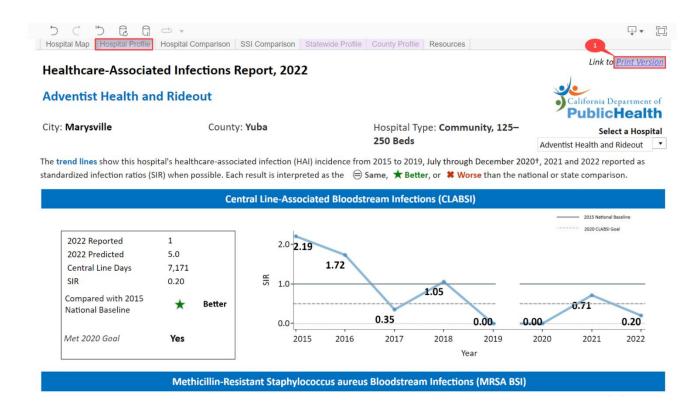
### Navigate Using a Keyboard for Accessibility

Tableau dashboards can be navigated with a keyboard for accessibility purposes. Use the "Tab" key to move around the page. The <u>full list of keyboard shortcuts</u> is available. (help.tableau.com/current/pro/desktop/en-us/shortcut.htm)

### Printing

### Printing the Hospital Profiles, Statewide Profiles, and County Profiles

**1.** Select "Print Version" at the top right corner. A new tab will then open with a printable version of the profile.



2. Click the Download button in the toolbar at the bottom of the page and then select "PDF."

### Healthcare-Associated Infections Report, 2022

### Adventist Health and Rideout

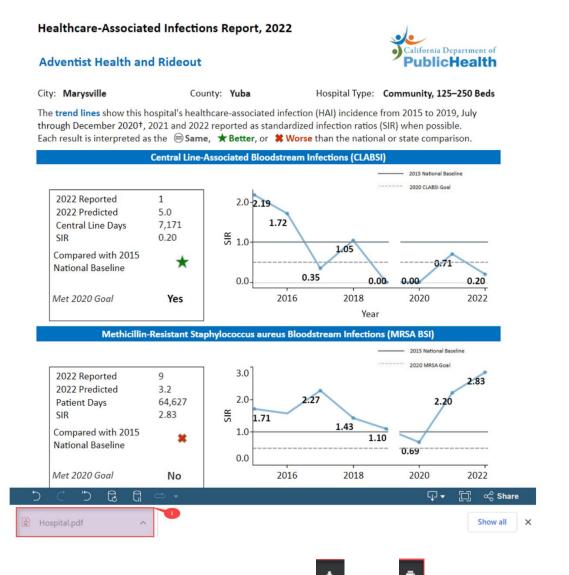


City: Marysville County: Yuba Hospital Type: Community, 125-250 Beds The trend lines show this hospital's healthcare-associated infection (HAI) incidence from 2015 to 2019, July through December 2020<sup>+</sup>, 2021 and 2022 reported as standardized infection ratios (SIR) when possible. Each result is interpreted as the  $\ominus$  Same,  $\star$  Better, or  $\star$  Worse than the national or state comparison. **Central Line-Associated Bloodstream Infections (CLABSI)** - 2015 National Baseline 2020 CLABSI Goal 2022 Reported 1 2.0-2.19 2022 Predicted 5.0 1.72 7,171 **Central Line Days** 법 기.0 0.20 SIR 1.05 Compared with 2015 🖂 Image ★ National Baseline 🖯 Data 0.35 0.00 0.0 0.00 E Crosstab Met 2020 Goal Yes 2016 2018 2020 Year PDF Methicillin-Resistant Staphylococcus aureus Bloodstream Infections (MRSA B PowerPoint  $\propto^{\circ}_{\circ}$  Share 6 5 P LT] 🗕 Ē

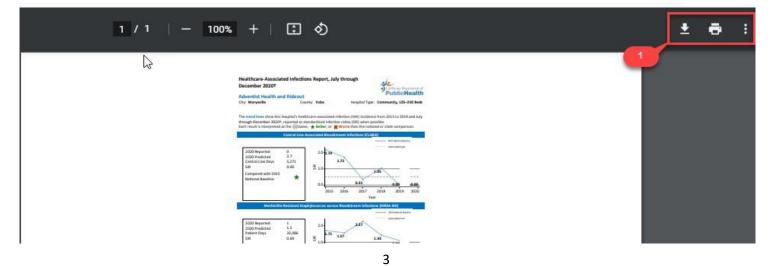
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4. If you use Chrome as your browser, the downloaded PDF will show up at the bottom of your screen. If you use Microsoft Edge as your browser, it will show up on the top right corner of your screen. Here is a screen shot when using Chrome: Click to open the PDF document.



5. Once you open the PDF document, you can click either download or print . Choose download if you want to save the document



### Printing the Hospital Map, Hospital Comparison, and SSI Comparison

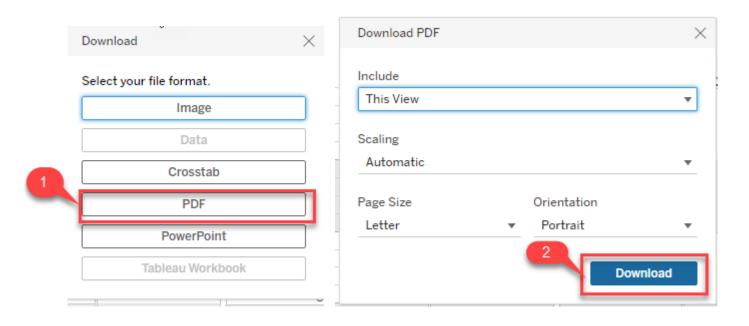
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For example, under the SSI Comparison tab, click the Download icon.

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2. Then select either "PDF" or "Image."

If "PDF" is selected, the Download PDF window appears. No changes are required, but optionally you may change "Scaling" to 80% and "Orientation" to Landscape for a better view. Click "Create PDF," then select "Download" when the PDF file has been generated.



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### Using the Hospital Map

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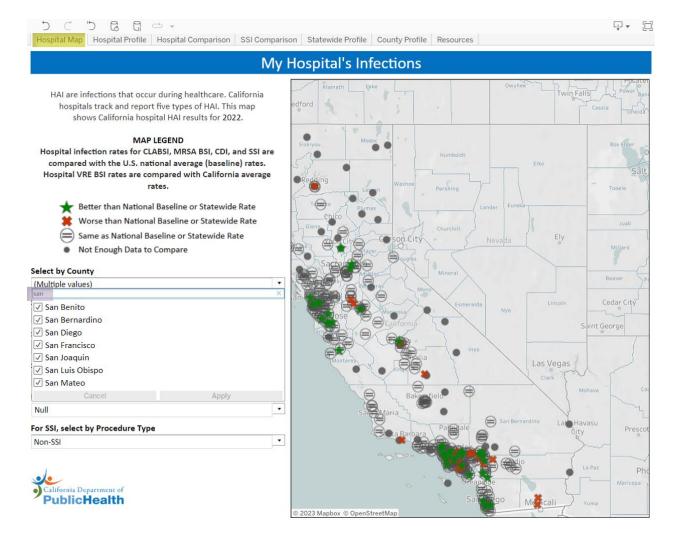
- a. Undo, Redo Undo or Redo an action, such as modifying a filter setting.
- **b**. Revert Allows you to completely undo all filter selections and "revert" to the original dashboard settings. Use this if you have made multiple filter selections and want to return to a clean slate.
- **c.** Refresh and Pause these buttons are not applicable to the HAI Map and can be ignored.
- **d.** Download This button allows you to print the dashboard as an image (PNG) or file (PDF).
- **e.** Full Screen This expands the dashboard to fill the entire screen. This is good for use in presentations. Click the "Esc" button on your keyboard to leave full screen mode.
- **2.** These tabs allow quick navigation between the Hospital Map, Hospital Profile, Hospital Comparison, SSI Comparison, Statewide Profile, County Profile, and Resources dashboards.

3. The dropdown menus allow you to filter by locations and infection types. <u>All dropdown menus interact with each other, so a selection in one dropdown menu will determine the selections available in other dropdown menus.</u> For instance, if "San Francisco" is selected in the "Select by County" dropdown menu, then only hospitals located in San Francisco County will appear in the "Select by Hospital" dropdown menu.

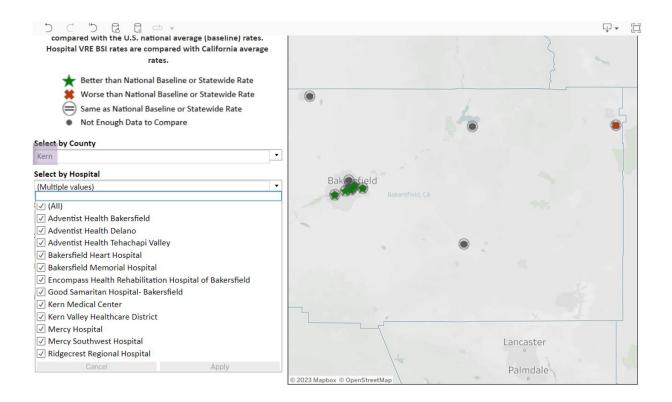
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Individual dropdown menus can be reset, and the selection settings can be adjusted

4. Select by County – This filter allows you to choose a specific county. By default, all counties are selected. You can search for a county by typing its name (or any part of its name) in the dropdown menu's search bar. For example, if I start typing "san", it shows me a list of all counties with "san" in their name. Please note that you can select multiple counties - the map will zoom based on the selection(s).



**a.** Select by Hospital – This filter allows you to choose a specific hospital. By default, all hospitals are selected. You can search for a hospital by typing its name (or any part of its name) in the dropdown menu's search bar. If a county is selected then the hospital list will be narrowed down to the hospitals in that county. In this example we have chosen Kern County. Notice that the map zooms in on Kern County, and the Hospital list updates to only show hospitals in that County. Please note that you can select multiple hospitals - the map will zoom based on the selection(s).



**b**. Select by Hospital Type – This filter allows you to choose a specific hospital type. By default, all hospital types are selected. If a hospital type is selected, then other dropdown menus will adjust accordingly. For example, Long-Term Acute Care hospitals will limit infection types to Non-SSI because this hospital type does not have SSI data. In this example Critical Access and Major teaching hospital types are selected, so only those types of hospitals will appear on the map. Please note that you can select multiple hospital types - the map will zoom based on the selection(s).

### 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 HAI results for 2022.

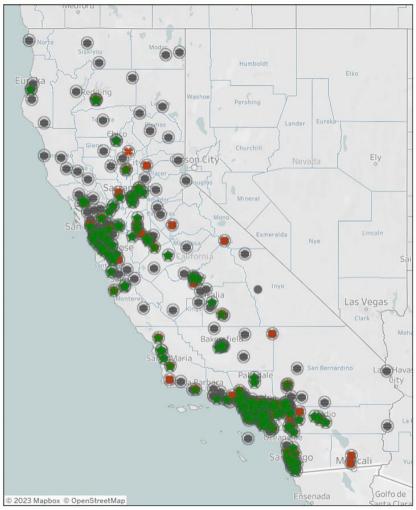
#### MAP LEGEND

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.

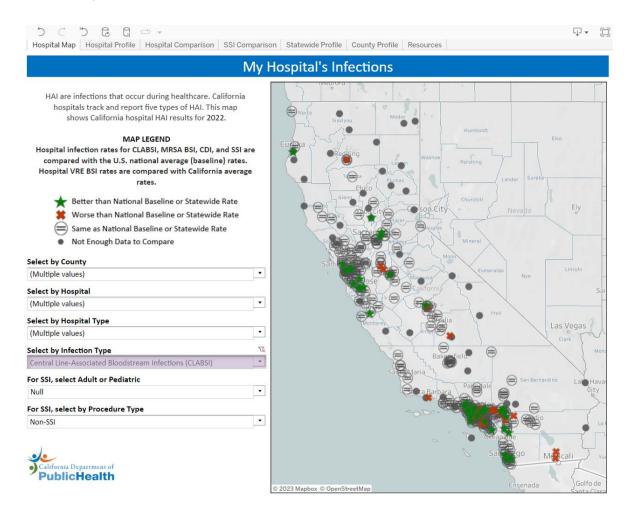
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### Select by County

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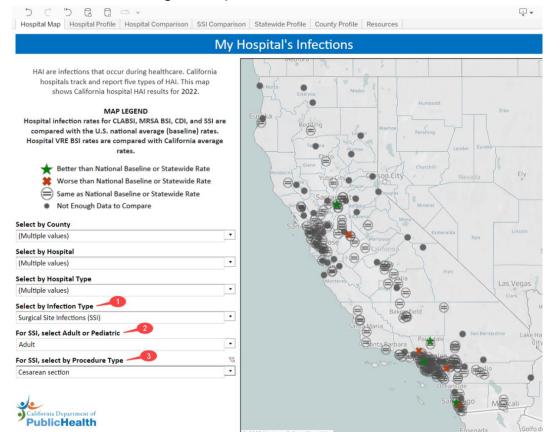
**c.** Select by Infection Type – This filter allows you to choose a specific infection type. By default, no infection type is selected. Only one infection type can be selected at a time. If an infection type is selected, then other dropdown menus will adjust accordingly. The example below shows all CLABSI data on the map when no selections in other filters have been made.



**d.** For SSI, select Adult or Pediatric – This filter allows you to choose between Adult and Pediatric SSI data if the SSI Infection Type is selected. By default, no age group is selected – if no selection is made in this dropdown menu then data for both age groups will populate the map, and the symbols won't be distinguishable. If an age group is selected, then other dropdown menus will adjust accordingly. For example, the selection of "Adult" will show the procedure types performed on this age group. Please note that SSI needs to be selected as the Infection Type before using this dropdown menu.

This example shows how the SSI filters are affected when MRSA BSI is selected as the Infection Type instead of the SSI Infection Type.

**e.** For SSI, select by Procedure Type - This filter allows you to select a specific surgical procedure if the SSI Infection Type is selected. By default, no procedure is selected – if no selection is made in this dropdown menu then data for all procedures will populate the map, and the symbols won't be distinguishable. Please note that SSI needs to be selected as the Infection Type and an age group needs to be selected before using this dropdown menu.



5. The map itself can be interacted with. Hover over the map to view the Map Control tools.



- **a.** Click the magnifying glass and type in the search bar to search for a specific geographic location, such as City or County name.
- b. The "+" and "-" symbols allow you to zoom in and out, respectively
- c. Click the Home icon to reset the map to the default zoom level
- **d**. 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 to move the map. The other options give different ways of clicking and dragging to select data points on the map.

## Using the Hospital Profiles

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2022 Predicted Central Line Days	15 14.3 13,874	1.0 <b>0.90</b> 뜻 0.5	ed Bloodstream Infect			021	2020 CLABSI Goal	_
2022 Predicted Central Line Days SIR Compared with 2015	15 14.3 13,874 1.05	1.0 <b>0.90</b> 뜻 0.5				0.31	2020 CLABSI Goal	_
2022 Predicted Central Line Days SIR Compared with 2015	15 14.3 13,874 1.05	1.0 0.90 5 0.5				0.31	2020 CLASSI Goal 1.14	_

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- a. Undo, Redo Undo or Redo an action, such as modifying a filter setting.
- **b.** Revert Allows you to completely undo all filter selections and "revert" to the original dashboard settings. Use this if you have made multiple filter selections and want to return to a clean slate.
- **c.** Refresh, Pause, and Download these buttons are not applicable to the Hospital Profile and can be ignored.
- **d.** Full Screen This expands the dashboard to fill the entire screen. This is good for use in presentations. Click the "Esc" button on your keyboard to leave full screen mode.
- 2. These tabs allow quick navigation between the Hospital Map, Hospital Profile, Hospital Comparison, SSI Comparison, Statewide Profile, County Profile, and Resources dashboards.
- **3.** Select a Hospital filter Click the drop-down menu to select a specific hospital and view its profile. The search bar updates the list dynamically as you type.
- 4. Make sure to scroll down to see all the information!
- 5. Please see instructions on how to print Hospital Profiles on page 1.

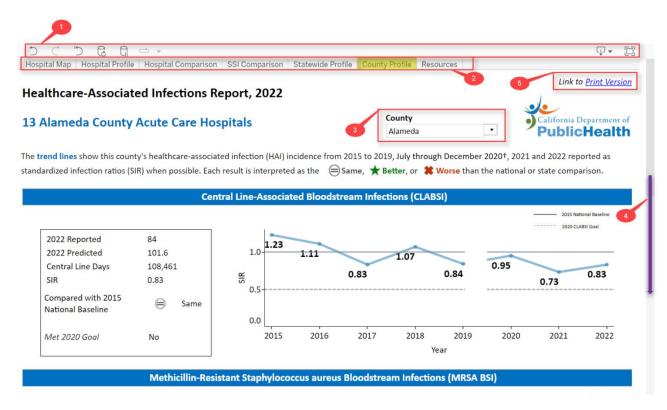
## Using the Statewide Profiles

C 5 C Ci Dital Map Hospital Profile	Hospital Comparison	SSI Compariso	n Statewide F	Count	Profile Reso	ources			Ţ.
itai Map Hospitai Profile	Hospital Comparison	551 Compariso	n Statewide F	rome County	Profile Resc	ources			-
Ithcare-Associat	ed Infections Re	eport, 202	2				5	Linkt	to <u>Print Vers</u>
		•							
Acute Care Hos	pitals		3	Hospital Type					Department
				Acute Care Ho	ospitais			Public	Healt
and the second second in the	the later and a later a later a	and all the distances of the second	(1141) :						122
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	IR) when possible. Each	n result is interp	eted as the (	🕽 Same, ★ B	etter, or 🗱	Worse than			
rend lines show this hosp ardized infection ratios (S	IR) when possible. Each		eted as the (	🕽 Same, ★ B	etter, or 🗱	Worse than		or state comp	barison.
	IR) when possible. Each	n result is interp	eted as the (	🕽 Same, ★ B	etter, or 🗱	Worse than		or state comp	oarison.
	IR) when possible. Each	n result is interp	eted as the (	🕽 Same, ★ B	etter, or 🗱	Worse than	the national o	or state comp	oarison.
ardized infection ratios (S 2022 Reported 2022 Predicted	IR) when possible. Each Cent 2,330 2,803.1	n result is interp t <mark>ral Line-Asso</mark>	eted as the (	∋Same, ★E	etter, or 🗱	Worse than		2015 Nat 2020 CLA	oarison.
ardized infection ratios (S 2022 Reported 2022 Predicted Central Line Days	IR) when possible. Each Cent 2,330 2,803.1 2,810,304	n result is interp tral Line-Asso 1.0	eted as the (	🕽 Same, ★ B	etter, or 🗱	Worse than	the national o	or state comp	oarison.
ardized infection ratios (S 2022 Reported 2022 Predicted	IR) when possible. Each Cent 2,330 2,803.1	tral Line-Asso	eted as the (	∋Same, ★E	tions (CLAB	Worse than	the national o	2015 Nat 2020 CLA	tonal Baseline LBSI Goal
ardized infection ratios (S 2022 Reported 2022 Predicted Central Line Days SIR	IR) when possible. Each Cent 2,330 2,803.1 2,810,304 0.83	n result is interp tral Line-Asso 1.0	eted as the (	∋Same, ★E	tions (CLAB	Worse than SI)	the national o	2015 Nat 2020 CLA	tonal Baseline LBSI Goal
ardized infection ratios (S 2022 Reported 2022 Predicted Central Line Days	IR) when possible. Each Cent 2,330 2,803.1 2,810,304	tral Line-Asso	eted as the (	∋Same, ★E	tions (CLAB	Worse than SI)	the national o	2015 Nat 2020 CLA	tonal Baseline LBSI Goal
2022 Reported 2022 Predicted Central Line Days SIR Compared with 2015	IR) when possible. Each Cent 2,330 2,803.1 2,810,304 0.83	n result is interp tral Line-Asso	eted as the (	∋Same, ★E	tions (CLAB	Worse than SI)	the national o	2015 Nat 2020 CLA	tonal Baseline LBSI Goal
2022 Reported 2022 Predicted Central Line Days SIR Compared with 2015	IR) when possible. Each Cent 2,330 2,803.1 2,810,304 0.83	tral Line-Asso	eted as the ciated Blood	∋Same, ★E	tions (CLAB	Worse than SI)	the national o	2015 Nat 2020 CLA	tonal Baseline LBSI Goal



- a. Undo, Redo Undo or Redo an action, such as modifying a filter setting.
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- **c.** Refresh, Pause, and Download these buttons are not applicable to the Statewide Profile and can be ignored.
- **d.** Full Screen This expands the dashboard to fill the entire screen. This is good for use in presentations. Click the "Esc" button on your keyboard to leave full screen mode.
- **2.** These tabs allow quick navigation between the Hospital Map, Hospital Profile, Hospital Comparison, SSI Comparison, Statewide Profile, County Profile, and Resources dashboards.
- **3.** Hospital Type filter Click the drop-down menu to select a specific hospital type and view its profile. The search bar updates the list dynamically as you type.
- 4. Make sure to scroll down to see all the information!
- 5. Please see instructions on how to print Statewide Profiles on page 1.

## Using the County Profiles



1. The toolbar provides various options you can control

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- a. Undo, Redo Undo or Redo an action, such as modifying a filter setting.
- **b.** Revert Allows you to completely undo all filter selections and "revert" to the original dashboard settings. Use this if you have made multiple filter selections and want to return to a clean slate.
- **c.** Refresh, Pause, and Download these buttons are not applicable to the County Profile and can be ignored.
- **d.** Full Screen This expands the dashboard to fill the entire screen. This is good for use in presentations. Click the "Esc" button on your keyboard to leave full screen mode.
- **2.** These tabs allow quick navigation between the Hospital Map, Hospital Profile, Hospital Comparison, SSI Comparison, Statewide Profile, County Profile, and Resources dashboards.
- 3. County filter Click the drop-down menu to select a specific county and view its profile. The search bar updates the list dynamically as you type. County profiles are available forcounties that have 5+ acute care hospitals, so not every county has a profile.
- 4. Make sure to scroll down to see all the information!
- 5. Please see instructions on how to print County Profiles on page 1.

## Using the Hospital Comparison

D C D C Hospital Map Hospital	Profile Hospital Comparison	SSI Comparison	Statewide Profile County Prof	file Resources		<b>₽</b> • []
	Неа	lthcare-Ass	sociated Infections Ho	ospital Cor	nparison, 2022	
California Department of PublicHealth	Select 1st Hospital to	Compare	Select 2nd Hospital to C	ompare	Select 3rd Hospital to Comp	are
Fublicheatti	Adventist Health Bakersfield	•	Huntington Hospital	•	Doctors Medical Center	•
3	3 Adventist Health Bakersfie		Huntington Hospital		Doctors Medical Center	
	City: <b>Bakersfield</b> County: <b>Kern</b> Hospital Type: <b>Major Teachi</b> i	ng	City: <b>Pasadena</b> County: <b>Los Angeles</b> Hospital Type: <b>Community, &gt;2</b>	50 Beds	City: <b>Modesto</b> County: <b>Stanislaus</b> Hospital Type: <b>Major Teaching</b>	4
LASBI	2022 Reported	15		11		3
	2022 Predicted	14.3	12.8		9.8	
	SIR	1.05	0.86		i 0.3	
	Central Line Days	13,874		13,328	8,96	
	Same as 2015 N Baseline	ational	Same as 2015 Na Baseline	tional	Better than 2015 Nati Baseline	ional
	No. did not met 202	0 Goal	No, did not met 2020	Goal	Yes, met 2020 Goal	

1. The toolbar provides various options you can control

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- **a.** Undo, Redo Undo or Redo an action, such as modifying a filter setting.
- **b.** Revert Allows you to completely undo all filter selections and "revert" to the original dashboard settings. Use this if you have made multiple filter selections and want to return to a clean slate.
- **c.** Refresh and Pause these buttons are not applicable to the Hospital Comparison and can be ignored.
- d. Download This button allows you to print the dashboard as an image (PNG) or file (PDF).
- e. Full Screen This expands the dashboard to fill the entire screen. This is good for use in presentations. Click the "Esc" button on your keyboard to leave full screen mode.
- 2. These tabs allow quick navigation between the Hospital Map, Hospital Profile, Hospital Comparison, SSI Comparison, and Resources dashboards.
- **3.** Select 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> Hospital to Compare Use these filters to choose specific hospitals to compare against each other. The search bar updates the list dynamically as you type.
- **4.** The Hospital Comparison shows comparisons for multiple HAI types so make sure to scroll down to see all the information!

## Using the SSI Comparison

Hospital Map Hospital	Profile Hospital Compar	ison SSI Co	mparison S	tatewide Profi	le County Pr	ofile Resou	rces			
ioopital map moopital										
2										
•	3			Surgic	al Site Inf	fections	in Adults	, 2022		
California Departme	nt of	Se	ect 1st Hosp	ital	Sele	ect 2nd Hosp	ital	Sele	ect 3rd Hosp	ital
PublicHeal	th	1	ealth Bakersfie		Huntington H		•	Doctors Med		•
i alonoriou		Auventist He	calul bakershe	au	Huntington	lospital		Doctors wieu	ical center	
These data refer to	Adult patients only									
mese uutu rejer to	Addit patients only	Advention	t Health Ba	leave field						
		Adventis	t Health ba	ikersneid	Huntington Hospital			Doctors Medical Center		
Data da Maria II	Baseline or Statewide Rate									
•			Compared			Compared			Compared	
Worse than National	Baseline or Statewide Rate		to 2015	Met 2020		to 2015	Met 2020		to 2015	Met 2020
Same as National Bas	eline or Statewide Rate		Baseline	Goal		Baseline	Goal		Baseline	Goal
Abdominal aortic	Procedure Count	1			1			10		4
aneurysm repair	2022 Reported	0			0			0		
aneurysm repair	2022 Reported 2022 Predicted	0.0			0.0			0.1		
aneurysm repair	2022 Predicted SIR									
	2022 Predicted									
-	2022 Predicted SIR	0.0	Q	Vos	0.0		No	0.1	0	Ves
	2022 Predicted SIR Procedure Count	0.0 127 0 0.4		Yes	0.0		No	0.1		Yes
	2022 Predicted SIR Procedure Count 2022 Reported 2022 Predicted SIR	0.0 127 0 0.4 0.00		Yes	0.0 291 1		No	0.1 109 0		Yes
Appendix surgery	2022 Predicted SIR Procedure Count 2022 Reported 2022 Predicted	0.0 127 0 0.4		Yes	0.0 291 1 1.4		No	0.1 109 0 0.6		Yes
Appendix surgery Bile duct, liver or	2022 Predicted SIR Procedure Count 2022 Reported 2022 Predicted SIR Procedure Count 2022 Reported	0.0 127 0 0.4 0.00 13 0		Yes	0.0 291 1.4 0.71 103 1	0		0.1 109 0 0.6 0.00 17 0	0	
Appendix surgery Bile duct, liver or	2022 Predicted SIR Procedure Count 2022 Reported 2022 Predicted SIR Procedure Count 2022 Reported 2022 Predicted	0.0 127 0 0.4 0.00 13		Yes	0.0 291 1.4 0.71 103 1 2.7		No Yes	0.1 109 0 0.6 0.00 17 0 0.3		Yes
Appendix surgery Bile duct, liver or	2022 Predicted SIR Procedure Count 2022 Reported 2022 Predicted SIR Procedure Count 2022 Reported 2022 Predicted SIR	0.0 127 0.4 0.00 13 0 0.1		Yes	0.0 291 1.4 0.71 103 1	0		0.1 109 0 0.6 0.00 17 0	0	
Appendix surgery Bile duct, liver or pancreatic surgery	2022 Predicted SIR Procedure Count 2022 Reported 2022 Predicted SIR Procedure Count 2022 Reported 2022 Predicted	0.0 127 0 0.4 0.00 13 0		Yes	0.0 291 1.4 0.71 103 1 2.7	0		0.1 109 0 0.6 0.00 17 0 0.3	0	
Appendix surgery Bile duct, liver or pancreatic surgery	2022 Predicted SIR Procedure Count 2022 Reported 2022 Predicted SIR Procedure Count 2022 Reported 2022 Predicted SIR Procedure Count 2022 Reported	0.0 127 0 0.4 0.00 13 0 0.1 27 0		Yes	0.0 291 1.4 0.71 103 1 2.7 0.38 206 0 0	0	Yes	0.1 109 0 0.6 0.00 17 0 0.3 0.00		Yes
Appendix surgery Bile duct, liver or pancreatic surgery Cardiac surgery	2022 Predicted SIR Procedure Count 2022 Reported 2022 Predicted SIR Procedure Count 2022 Reported 2022 Predicted SIR Procedure Count	0.0 127 0 0.4 0.00 13 0 0.1 27		Yes	0.0 291 1.4 0.71 103 1 2.7 0.38 206	0		0.1 109 0 0.6 0.00 17 0 0.3 0.00 91	0	

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- **b.** Revert Allows you to completely undo all filter selections and "revert" to the original dashboard settings. Use this if you have made multiple filter selections and want to return to a clean slate.
- c. Refresh and Pause these buttons are not applicable to the SSI Comparison and can be ignored
- d. Download This button allows you to print the dashboard as an image (PNG) or file (PDF).
- e. Full Screen This expands the dashboard to fill the entire screen. This is good for use in presentations. Click the "Esc" button on your keyboard to leave full screen mode.
- 2. These tabs allow quick navigation between the Hospital Map, Hospital Profile, Hospital Comparison, SSI Comparison, Statewide Profile, County Profile, and Resources dashboards.
- **3.** Select 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> Hospital to Compare Use these filters to choose specific hospitals to compare against each other. The search bar updates the list dynamically as you type.
- **4.** The SSI Comparison shows comparisons for 28 procedures so make sure to scroll down to see all the information!

### Using the Resources

ospital Map Hospital Profile Hospi	tal Comparison SSI Comparison Statewide Profile County Profile Resources	<b>₽</b> • D				
2	Healthcare-Associated Infections (HAI)					
•)CDPH	3b Frequently-Asked Questions (FAQs):					
Share comments or questions about this interactive map by contacting the HAI Program at HAIProgram@cdph.ca.gov	Where can I find out more about the features and functions of this interactive map? Please review this user guide (PDF) for more information regarding the HAI Interactive Map. Where do I get print versions of the Hospital, Statewide, and County Profiles?	4				
For additional CDPH general information or comments, visit	Printable ADA compliant hospital, statewide, and county profiles are available in the Hospital Profile, Statewide Profile, and County Profile tabs, respectively. On the top of each profile, select "Print Version," and an ADA-compliant printout will be generated.					
the CDPH Contact Us page.	Can I access and utilize the data that are in the map? Yes, all the data you see are available through the California Health and Human Services Open Data Portal					
	Where do these data come from?					
	Hospitals report all their data through the National Healthcare Safety Network (NHSN), which is a national HAI tracking system operated by the Centers for Disease Control and Prevention. Please visit the NHSN website for information on how the data are reported.					
	Does CDPH assess the quality of the data?					
	For information on our data quality methods and processes, please visit our Data Quality webpage (coming soon)					

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- **a.** Undo, Redo, Revert, Refresh and Pause these buttons are not applicable to the HAI Resources and can be ignored.
- b. Download This button allows you to print the dashboard as an image (PNG) or file (PDF).
- **c.** Full Screen This expands the dashboard to fill the entire screen. This is good for use in presentations. Click the "Esc" button on your keyboard to leave full screen mode.
- **2.** These tabs allow quick navigation between the Hospital Map, Hospital Profile, Hospital Comparison, SSI Comparison, and Resources dashboards.
- **3.** The right column contains a) a list of Frequently Asked Questions. The left column contains b) contact information.
- 4. There are several FAQs, so make sure to scroll down to see all the information!