

Catheter-Associated Urinary Tract Infections

HOSPITALS REPORTED

Each year, many healthcare facilities choose to, and in many cases are required, to report certain kinds of healthcare associated infections. These data are captured in the National Healthcare Safety Network. This statistic shows the number of general acute care hospitals that reported Catheter-Associated Urinary Tract Infections in 2019.

3,678 general acute care hospitals reported in 2019

INFECTIONS REPORTED

Healthcare facilities report regularly the number of particular healthcare associated infections that occur within their facilities. This number reflects the number of reported infections across U.S. general acute care hospitals for Catheter-Associated Urinary Tract Infections.

19,398 Catheter-Associated Urinary Tract Infections in 2019

CHANGES OVER TIME

When assessing the most recently analyzed data, there is a significant decrease in CAUTI SIR when comparing the 2015 national baseline to 2019 (1.00 to 0.74) in the U.S. for general acute care hospitals.

26% significant decrease in SIR from 2015 national baseline to 2019 (lower SIRs are better)

HAI PROFILE

Catheter-Associated Urinary Tract Infections

When a urinary catheter is not put in correctly, not kept clean, or left in a patient for too long, germs can travel through the catheter and infect the bladder and kidneys. This type of healthcare-associated infection (HAI) is called catheter-associated urinary tract infection (CAUTI). Working toward the elimination of HAIs is a CDC priority. The CDC provides national data on infection rates through the National Healthcare Safety Network (<https://www.cdc.gov/nhsn/index.html>). Standardized Infection Ratios (SIRs) are summary statistics that allow monitoring of HAIs over time.

The Standardized Infection Ratio for Catheter-Associated Urinary Tract Infections was 0.74 across general acute care hospitals in 2019.

DATA SOURCE

NATIONAL HEALTHCARE SAFETY NETWORK (NHSN)
<https://www.cdc.gov/nhsn/index.html>

YEARS INCLUDED

2015 - 2019

RESOURCES

Catheter-Associated Urinary Tract Infections (CAUTI)
https://www.cdc.gov/hai/ca_uti/uti.html

A Guide to the Standardized Infection Ratio
<https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/nhsn-sir-guide.pdf>

Healthcare-Associated Infections Data and Statistics
<https://www.cdc.gov/hai/data/index.html>

HAI Data Summary: Story of Progress 2006-2016
<https://www.cdc.gov/hai/data/archive/data-summary-assessing-progress.html>

National and State Healthcare-Associated Infections Progress Report
<https://www.cdc.gov/hai/data/portal/progress-report.html>

FAQs about the HAI Progress Report
<https://www.cdc.gov/hai/data/portal/faqs-progress-report.html>

HAI PROGRESS

The Centers for Disease Control and Prevention (CDC) is committed to protecting patients and healthcare workers from adverse healthcare events and promoting safety, quality, and value in healthcare delivery. Preventing healthcare-associated infections (HAIs) is a top priority for CDC and its partners in public health and healthcare. The National and State Healthcare-Associated Infections (HAI) Progress Report provides a summary of select HAIs across three healthcare settings; acute care hospitals (ACHs), inpatient rehabilitation facilities (IRFs) and long-term acute care hospitals (LTACHs).

CAUTI

All States General Acute Care Hospitals 2019







 **26%**
 Lower Compared to Nat'l Baseline

[s://www.medicare.gov/hospitalcompare/search.html?](https://www.medicare.gov/hospitalcompare/search.html?)) For detailed HAI-specific information regarding the current national baseline and risk adjustments, please see the SIR Guide (<https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/nhsn-sir-guide.pdf>).

8% Among the 2,516 national ACHs with enough data to calculate an SIR, 8% had an SIR significantly higher (worse) than 0.74, the value of the national SIR.

National Data for General Acute Care Hospitals, Year 2019

HAI PROGRESS LEGEND

- | | |
|--|---|
|  SIR is significantly higher (worse) than comparison group. |  Significant increase from the previous year. |
|  SIR increase or decrease is not significantly different than comparison group. |  No significant change from the previous year. |
|  SIR is significantly lower (better) than comparison group. |  Significant decrease from the previous year. |

**CAUTI STANDARDIZED
 INFECTION RATIOS BY STATE
 LIST**

YEAR **2019**

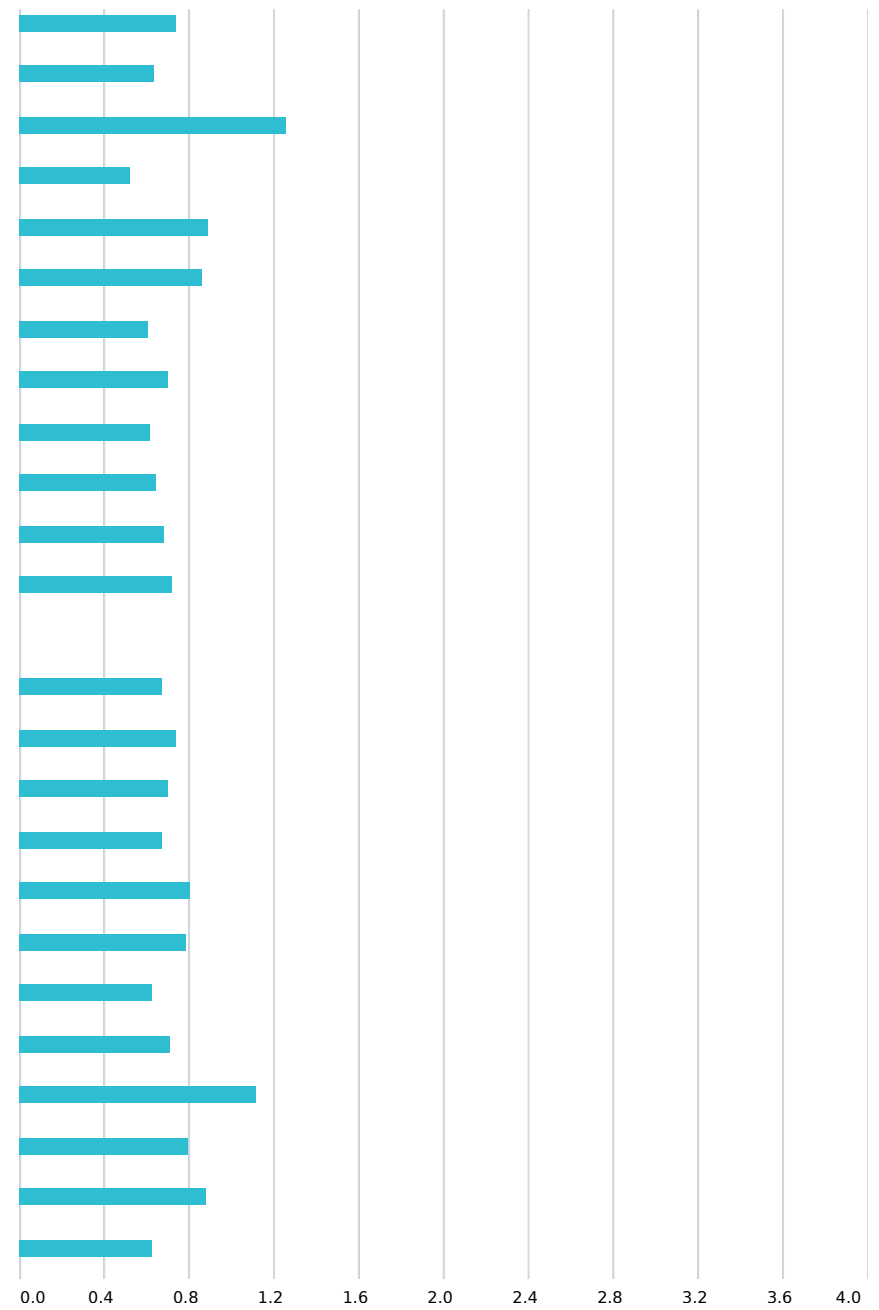
HOSPITAL TYPE

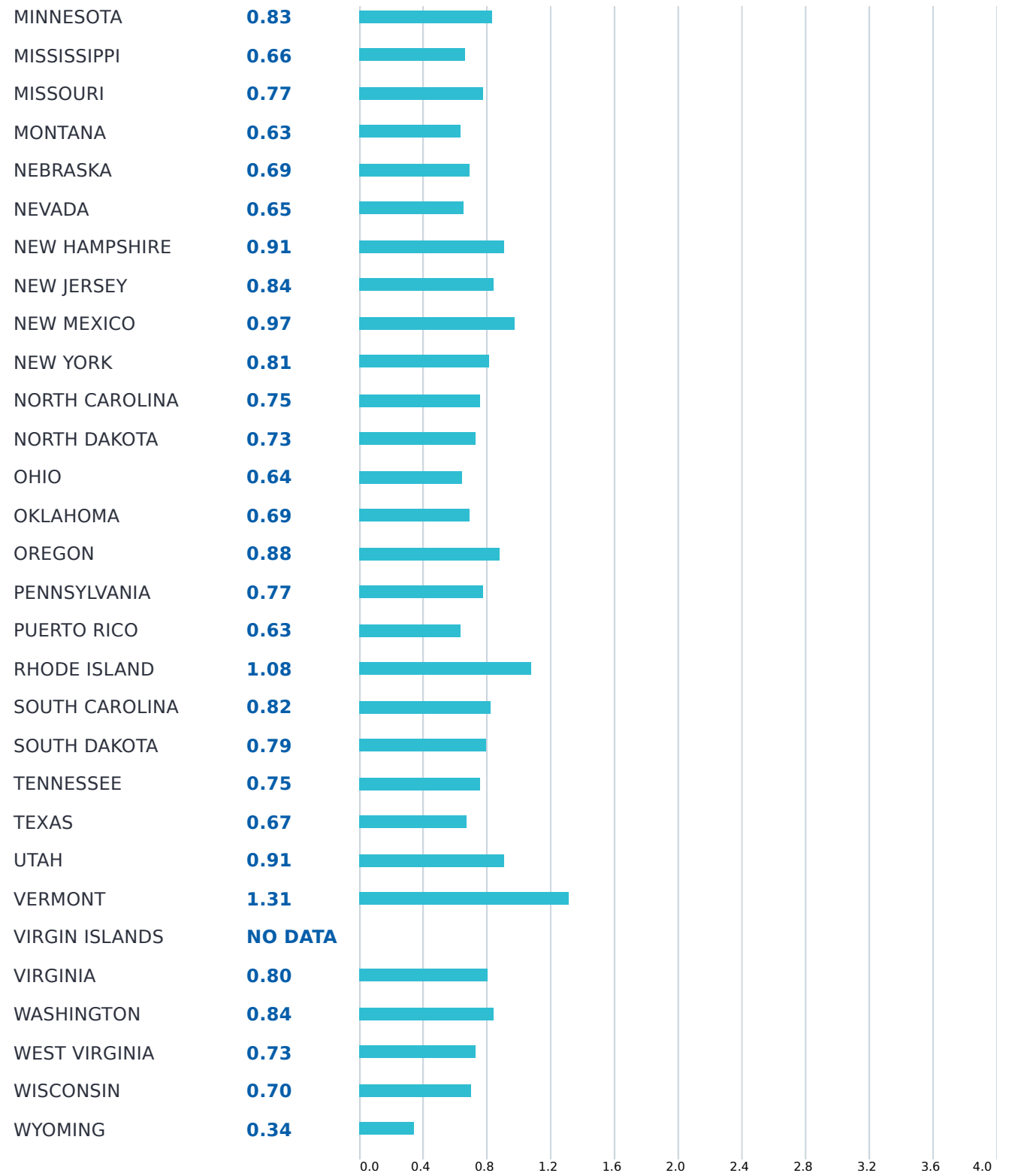
General Acute Care Hospitals

This graph shows the national SIR for Catheter-Associated Urinary Tract Infections compared to state SIRs, in 2019 for general acute care hospitals.

GEOGRAPHY

UNITED STATES	0.74
ALABAMA	0.63
ALASKA	1.25
ARIZONA	0.52
ARKANSAS	0.89
CALIFORNIA	0.86
COLORADO	0.60
CONNECTICUT	0.70
DELAWARE	0.61
DISTRICT OF COLUMBIA	0.64
FLORIDA	0.68
GEORGIA	0.72
GUAM	NO DATA
HAWAII	0.67
IDAHO	0.74
ILLINOIS	0.70
INDIANA	0.67
IOWA	0.80
KANSAS	0.78
KENTUCKY	0.62
LOUISIANA	0.71
MAINE	1.11
MARYLAND	0.79
MASSACHUSETTS	0.88
MICHIGAN	0.62





↑ CHANGES OVER TIME

Based on 2019 data, most HAIs have decreased when compared to the national baseline or to the previous year. While this is promising news, more action is needed at every level of public health and health care to eliminate infections that commonly threaten hospital patients.

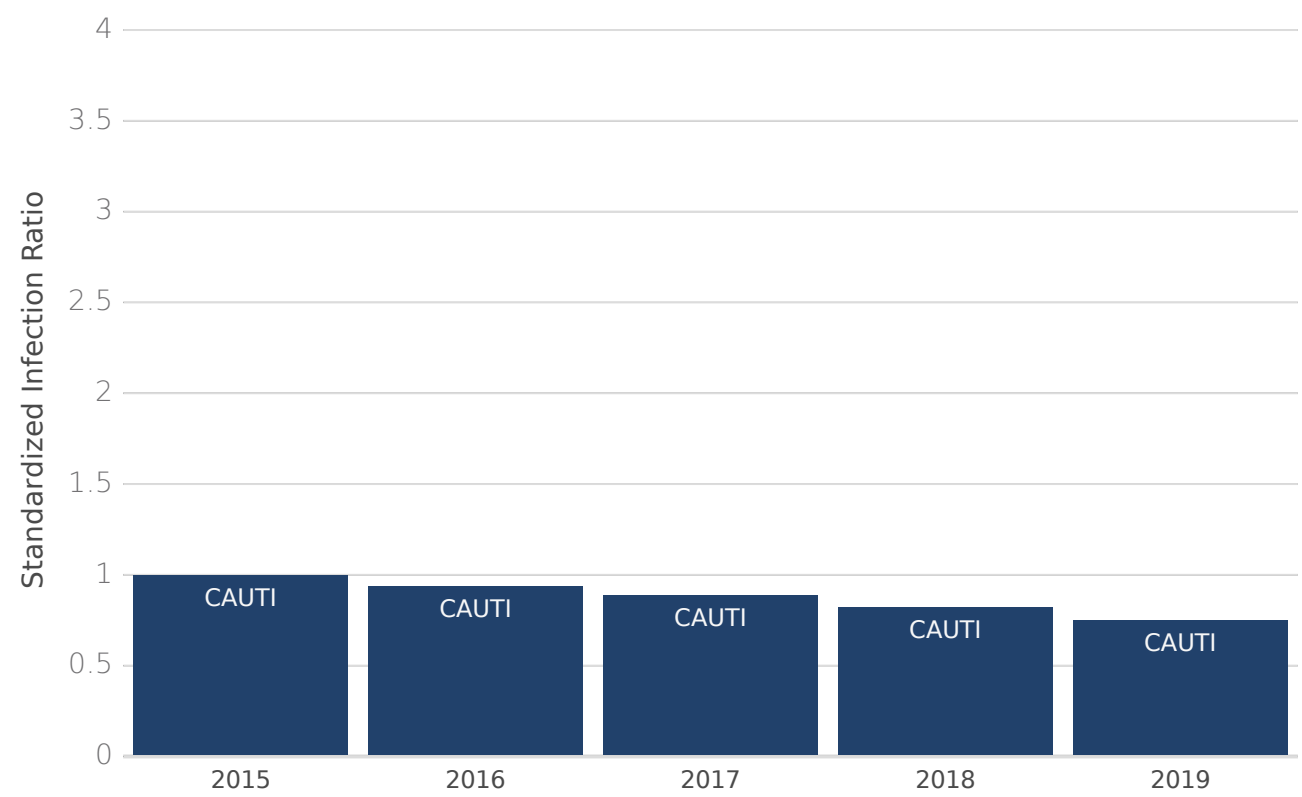
CAUTI STANDARDIZED INFECTION RATIO CHANGES OVER TIME

STATE **All States**

HOSPITAL TYPE

General Acute Care Hospitals

This graph displays the changes over time in Standardized Infection Ratio (SIR) for the United States.



DATA APPENDIX

These data tables represent the underlying datasets used to power each visualization featured in this report.

CAUTI STANDARDIZED INFECTION RATIOS BY STATE MAP

State	Year	HAI	Hospital	Observed Infections	Predicted Infections	Standardized Infection Ratio	Lower CI	Upper CI
Alabama	2019	CAUTI	General Acute Care Hospitals	374	591	0.63	0.57	0.7
Alaska	2019	CAUTI	General Acute Care Hospitals	40	32.1	1.25	0.9	1.68
Arizona	2019	CAUTI	General Acute Care Hospitals	271	523	0.52	0.46	0.58
Arkansas	2019	CAUTI	General Acute Care Hospitals	231	260	0.89	0.78	1.01
California	2019	CAUTI	General Acute Care Hospitals	2.22k	2.58k	0.86	0.82	0.9
Colorado	2019	CAUTI	General Acute Care Hospitals	215	356	0.6	0.53	0.69
Connecticut	2019	CAUTI	General Acute Care Hospitals	183	260	0.7	0.61	0.81
Delaware	2019	CAUTI	General Acute Care Hospitals	40	66	0.61	0.44	0.82
District of Columbia	2019	CAUTI	General Acute Care Hospitals	77	120	0.64	0.51	0.8
Florida	2019	CAUTI	General Acute Care Hospitals	1.27k	1.88k	0.68	0.64	0.71
Georgia	2019	CAUTI	General Acute Care Hospitals	591	824	0.72	0.66	0.78
Hawaii	2019	CAUTI	General Acute Care Hospitals	60	90.1	0.67	0.51	0.85
Idaho	2019	CAUTI	General Acute Care Hospitals	62	83.8	0.74	0.57	0.94
Illinois	2019	CAUTI	General Acute Care Hospitals	655	934	0.7	0.65	0.76
Indiana	2019	CAUTI	General Acute Care Hospitals	379	567	0.67	0.6	0.74
Iowa	2019	CAUTI	General Acute Care Hospitals	185	230	0.8	0.7	0.93
Kansas	2019	CAUTI	General Acute Care Hospitals	155	199	0.78	0.66	0.91
Kentucky	2019	CAUTI	General Acute Care Hospitals	301	484	0.62	0.56	0.7
Louisiana	2019	CAUTI	General Acute Care Hospitals	334	474	0.71	0.63	0.78
Maine	2019	CAUTI	General Acute Care Hospitals	73	65.6	1.11	0.88	1.39
Maryland	2019	CAUTI	General Acute Care Hospitals	348	444	0.79	0.71	0.87
Massachusetts	2019	CAUTI	General Acute Care Hospitals	500	569	0.88	0.81	0.96
Michigan	2019	CAUTI	General Acute Care Hospitals	509	826	0.62	0.56	0.67
Minnesota	2019	CAUTI	General Acute Care Hospitals	262	317	0.83	0.73	0.93
Mississippi	2019	CAUTI	General Acute Care Hospitals	225	343	0.66	0.57	0.75

Missouri	2019	CAUTI	General Acute Care Hospitals	499	652	0.77	0.7	0.84
Montana	2019	CAUTI	General Acute Care Hospitals	31	49.2	0.63	0.44	0.88
Nebraska	2019	CAUTI	General Acute Care Hospitals	84	121	0.69	0.56	0.85
Nevada	2019	CAUTI	General Acute Care Hospitals	180	279	0.65	0.56	0.74
New Hampshire	2019	CAUTI	General Acute Care Hospitals	79	87.2	0.91	0.72	1.12
New Jersey	2019	CAUTI	General Acute Care Hospitals	502	598	0.84	0.77	0.92
New Mexico	2019	CAUTI	General Acute Care Hospitals	138	142	0.97	0.82	1.15
New York	2019	CAUTI	General Acute Care Hospitals	1.4k	1.73k	0.81	0.76	0.85
North Carolina	2019	CAUTI	General Acute Care Hospitals	628	841	0.75	0.69	0.81
North Dakota	2019	CAUTI	General Acute Care Hospitals	46	63.2	0.73	0.54	0.96
Ohio	2019	CAUTI	General Acute Care Hospitals	802	1.25k	0.64	0.6	0.69
Oklahoma	2019	CAUTI	General Acute Care Hospitals	252	364	0.69	0.61	0.78
Oregon	2019	CAUTI	General Acute Care Hospitals	205	232	0.88	0.77	1.01
Pennsylvania	2019	CAUTI	General Acute Care Hospitals	1.05k	1.37k	0.77	0.72	0.81
Rhode Island	2019	CAUTI	General Acute Care Hospitals	90	83.2	1.08	0.88	1.32
South Carolina	2019	CAUTI	General Acute Care Hospitals	327	398	0.82	0.74	0.91
South Dakota	2019	CAUTI	General Acute Care Hospitals	53	67.3	0.79	0.6	1.02
Tennessee	2019	CAUTI	General Acute Care Hospitals	531	713	0.75	0.68	0.81
Texas	2019	CAUTI	General Acute Care Hospitals	1.34k	1.99k	0.67	0.64	0.71
Utah	2019	CAUTI	General Acute Care Hospitals	117	129	0.91	0.75	1.08
Vermont	2019	CAUTI	General Acute Care Hospitals	50	38.2	1.31	0.98	1.71
Virginia	2019	CAUTI	General Acute Care Hospitals	461	575	0.8	0.73	0.88
Washington	2019	CAUTI	General Acute Care Hospitals	401	477	0.84	0.76	0.93
West Virginia	2019	CAUTI	General Acute Care Hospitals	198	271	0.73	0.64	0.84
Wisconsin	2019	CAUTI	General Acute Care Hospitals	266	378	0.7	0.62	0.79
Wyoming	2019	CAUTI	General Acute Care Hospitals	8	23.3	0.34	0.16	0.65
Guam	2019	CAUTI	General Acute Care Hospitals	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data
Puerto Rico	2019	CAUTI	General Acute Care Hospitals	78	124	0.63	0.5	0.78



Virgin Islands	2019	CAUTI	General Acute Care Hospitals	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data
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CAUTI STANDARDIZED INFECTION RATIOS BY STATE LIST

State	Year	HAI	Hospital	Standardized Infection Ratio
United States	2019	CAUTI	General Acute Care Hospitals	0.74
Alabama	2019	CAUTI	General Acute Care Hospitals	0.63
Alaska	2019	CAUTI	General Acute Care Hospitals	1.25
Arizona	2019	CAUTI	General Acute Care Hospitals	0.52
Arkansas	2019	CAUTI	General Acute Care Hospitals	0.89
California	2019	CAUTI	General Acute Care Hospitals	0.86
Colorado	2019	CAUTI	General Acute Care Hospitals	0.6
Connecticut	2019	CAUTI	General Acute Care Hospitals	0.7
Delaware	2019	CAUTI	General Acute Care Hospitals	0.61
District of Columbia	2019	CAUTI	General Acute Care Hospitals	0.64
Florida	2019	CAUTI	General Acute Care Hospitals	0.68
Georgia	2019	CAUTI	General Acute Care Hospitals	0.72
Guam	2019	CAUTI	General Acute Care Hospitals	Insufficient Data
Hawaii	2019	CAUTI	General Acute Care Hospitals	0.67
Idaho	2019	CAUTI	General Acute Care Hospitals	0.74
Illinois	2019	CAUTI	General Acute Care Hospitals	0.7
Indiana	2019	CAUTI	General Acute Care Hospitals	0.67
Iowa	2019	CAUTI	General Acute Care Hospitals	0.8
Kansas	2019	CAUTI	General Acute Care Hospitals	0.78
Kentucky	2019	CAUTI	General Acute Care Hospitals	0.62
Louisiana	2019	CAUTI	General Acute Care Hospitals	0.71
Maine	2019	CAUTI	General Acute Care Hospitals	1.11
Maryland	2019	CAUTI	General Acute Care Hospitals	0.79
Massachusetts	2019	CAUTI	General Acute Care Hospitals	0.88
Michigan	2019	CAUTI	General Acute Care Hospitals	0.62
Minnesota	2019	CAUTI	General Acute Care Hospitals	0.83
Mississippi	2019	CAUTI	General Acute Care Hospitals	0.66
Missouri	2019	CAUTI	General Acute Care Hospitals	0.77
Montana	2019	CAUTI	General Acute Care Hospitals	0.63
Nebraska	2019	CAUTI	General Acute Care Hospitals	0.69
Nevada	2019	CAUTI	General Acute Care Hospitals	0.65
New Hampshire	2019	CAUTI	General Acute Care Hospitals	0.91
New Jersey	2019	CAUTI	General Acute Care Hospitals	0.84
New Mexico	2019	CAUTI	General Acute Care Hospitals	0.97
New York	2019	CAUTI	General Acute Care Hospitals	0.81
North Carolina	2019	CAUTI	General Acute Care Hospitals	0.75
North Dakota	2019	CAUTI	General Acute Care Hospitals	0.73
Ohio	2019	CAUTI	General Acute Care Hospitals	0.64
Oklahoma	2019	CAUTI	General Acute Care Hospitals	0.69
Oregon	2019	CAUTI	General Acute Care Hospitals	0.88
Pennsylvania	2019	CAUTI	General Acute Care Hospitals	0.77
Puerto Rico	2019	CAUTI	General Acute Care Hospitals	0.63
Rhode Island	2019	CAUTI	General Acute Care Hospitals	1.08

South Carolina	2019	CAUTI	General Acute Care Hospitals	0.82
South Dakota	2019	CAUTI	General Acute Care Hospitals	0.79
Tennessee	2019	CAUTI	General Acute Care Hospitals	0.75
Texas	2019	CAUTI	General Acute Care Hospitals	0.67
Utah	2019	CAUTI	General Acute Care Hospitals	0.91
Vermont	2019	CAUTI	General Acute Care Hospitals	1.31
Virgin Islands	2019	CAUTI	General Acute Care Hospitals	Insufficient Data
Virginia	2019	CAUTI	General Acute Care Hospitals	0.8
Washington	2019	CAUTI	General Acute Care Hospitals	0.84
West Virginia	2019	CAUTI	General Acute Care Hospitals	0.73
Wisconsin	2019	CAUTI	General Acute Care Hospitals	0.7
Wyoming	2019	CAUTI	General Acute Care Hospitals	0.34

CAUTI STANDARDIZED INFECTION RATIO CHANGES OVER TIME

Year	Infectious Event Type	HAI	Hospital	Nation	Standardized Infection Ratio	Observed Infections	Predicted Infections	Lower CI	Upper CI
2019	Catheter-Associated Urinary Tract Infections	CAUTI	General Acute Care Hospitals	United States	0.74	19.4k	26.2k	0.73	0.75
2018	Catheter-Associated Urinary Tract Infections	CAUTI	General Acute Care Hospitals	United States	0.81	22k	27.2k	0.8	0.82
2017	Catheter-Associated Urinary Tract Infections	CAUTI	General Acute Care Hospitals	United States	0.88	24.9k	28.2k	0.87	0.89
2016	Catheter-Associated Urinary Tract Infections	CAUTI	General Acute Care Hospitals	United States	0.93	27k	29k	0.92	0.94
2015	Catheter-Associated Urinary Tract Infections	CAUTI	General Acute Care Hospitals	United States	0.99	28.7k	28.9k	0.98	1.01

FOOTNOTES

- Data profiles for Healthcare-Associated Infections include information for Central Line-Associated Bloodstream Infection (CLABSI), Catheter-Associated Urinary Tract Infection (CAUTI), Surgical Site Infections (SSI), *Clostridioides difficile* (*C. difficile*) infections, MRSA Bacteremia, and Ventilator-Associated Events (VAE).
- All HAI data provided on this page are maintained by the CDC's National Healthcare Safety Network (NHSN).
- Data are only displayed for U.S. states/territories for which at least 5 facilities reported an HAI in the given report year.
- HAI information available in the Patient Safety Portal include data from 2015 through 2019.
- Map legends are classified using the Jenks Natural Breaks method.
- See the **Current HAI Progress Report Technical Appendix** (<https://www.cdc.gov/hai/data/portal/progress-report.html#appendix>) for the full methodology and details about the data. Past HAI Progress Reports are described in the **Data Archive** (<https://www.cdc.gov/hai/data/archive/archive.html>).