

[Healthcare-associated Infections \(HAI\)](#) are infections that people can get while receiving services at a healthcare facility. Hospitals can reduce the risk of HAIs by taking steps developed by the [Centers for Disease Control and Prevention](#) and the [Institute for Healthcare Improvement](#).

[Standardized Infection Ratio \(SIR\)](#) is a statistic used in these reports to track healthcare-associated infection prevention progress over time. The SIR is adjusted to account for factors that might cause infection rates to be higher or lower, such as hospital size, the type of patients a hospital serves, surgery types and patient characteristics.

Known Healthcare-associated Infections:

[Central Line-Associated Bloodstream Infection \(CLABSI\)](#) - a serious infection that occurs when germs (usually bacteria or viruses) enter the bloodstream through the central line. CLABSIs result in thousands of deaths each year and billions of dollars in added costs to the U.S. healthcare system, yet these infections are preventable.

[Clostridioides difficile \(C. Diff\)](#) - a bacterium that causes diarrhea and colitis (an inflammation of the colon). C. Diff causes almost half a million illnesses in the United States each year.

[Surgical Site Infections \(SSI\)](#) - an infection that occurs after surgery in the part of the body where the surgery took place. It can be a superficial infection or more serious and can involve tissues under the skin, organs, or implanted material.

More on Infection Reporting

- CMS Hospital Compare Healthcare-associated Infections
<https://www.medicare.gov/hospitalcompare/Data/Healthcare-Associated-Infections.html>
- CMS Hospital Compare Measures and Current Data Collection Periods
<https://www.medicare.gov/HospitalCompare/data/Data-Updated.html#MG14>
- CDC – Tracking Infections in Acute Care Hospitals/Facilities
<https://www.cdc.gov/nhsn/acute-care-hospital/index.html>
- QualityNet – Healthcare-associated Infection page
<http://qualitynet.org/dcs/ContentServer?c=Page&pagename=QnetPublic%2FPage%2FQnetTier2&cid=1228760487021>

NOTE

Due to the pandemic, hospitals were exempted from or given extension for data submission to various federal agencies. Because of this, the data below may not reflect the accurate number of infections reported, which will also affect how SIR was calculated.

Reporting Period for CLABSI, CAUTI, SSI: colon surgery, SSI: hysterectomy, MRSA, and C. diff are 4/1/22 - 3/31/23.

Reporting Period for SSI: Knees and SSI: Hips surgery are 10/1/2021-9/30/2022.

Central Line-Associated Blood Stream Infection (CLABSI)

Hospital Name	No. of Infections Reported	Central Line Days	Predicted Number of Infections	SIR
Brattleboro Memorial Hospital	0	242	0.14	n/a ¹³
Central Vermont Medical Center	2	1443	0.977	n/a ¹³
Copley Hospital	0	413	0.113	n/a ¹³
Gifford Medical Center	0 ³	242 ³	0.065 ³	n/a ^{3, 13}
Grace Cottage Family Health & Hospital	0	187	0.051	n/a ¹³
Mt. Ascutney Hospital	0	763	0.208	n/a ¹³
North Country Hospital	n/a ¹²	n/a ¹²	n/a ¹²	n/a ¹²
Northeastern Vermont Regional Hospital	0 ³	541 ³	0.148 ³	n/a ^{3, 13}
Northwestern Medical Center	0 ²⁸	941 ²⁸	0.545 ²⁸	n/a ^{13, 28}
Porter Hospital	0	215	0.058	n/a ¹³
Rutland Regional Medical Center	1	2546	1.748	0.572
Southwestern Vermont Medical Center	0	996	0.799	n/a ¹³
Springfield Hospital	0	209	0.057	n/a ¹³
University of Vermont Medical Center	19	19707	20.701	0.918

- SIR **cannot be calculated** for the following hospitals because their predicted number of infections was less than one: Brattleboro Memorial Hospital, Central Vermont Medical Center, Copley Hospital, Gifford Medical Center, Grace Cottage Family Health & Hospital, Mt. Ascutney Hospital, Northeastern Vermont Regional Hospital, Northwestern Medical Center, Porter Hospital, Southwestern Vermont Medical Center, and Springfield Hospital.
- Northwestern Medical Center results are based on the hospital or facility’s data submissions. CMS approved the hospital or facility’s Extraordinary Circumstances Exception request suggesting that results may be impacted.
- Rutland Regional Medical Center and University of Vermont Medical Center were rated **no different** than the national benchmark.
- Results for Gifford Medical Center and Northeastern Vermont Regional Hospital are based on a shorter time period than required.
- This measure does not apply to North Country Hospital for this reporting period.

Catheter Associated Urinary Tract Infections (CAUTI)

Hospital Name	No. of Infections Reported	Urinary Catheter Days	Predicted Number of Infections	SIR
Brattleboro Memorial Hospital	0	655	0.321	n/a ¹³
Central Vermont Medical Center	3	2857	1.949	1.539
Copley Hospital	3	1657	1.082	2.773
Gifford Medical Center	n/a ⁵	n/a ⁵	n/a ⁵	n/a ⁵
Grace Cottage Family Health & Hospital	n/a ⁵	n/a ⁵	n/a ⁵	n/a ⁵
Mt. Ascutney Hospital	0	648	0.423	n/a ¹³
North Country Hospital	n/a ¹²	n/a ¹²	n/a ¹²	n/a ¹²
Northeastern Vermont Regional Hospital	0 ³	1202 ³	0.785 ³	n/a ^{3,13}
Northwestern Medical Center	0 ²⁸	3045 ²⁸	1.492 ²⁸	0 ²⁸
Porter Hospital	0	626	0.409	n/a ¹³
Rutland Regional Medical Center	1	4625	3.141	0.318
Southwestern Vermont Medical Center	1	1367	1.018	0.982
Springfield Hospital	n/a ⁵	n/a ⁵	n/a ⁵	n/a ⁵
University of Vermont Medical Center	32	19641	27.068	1.182

- SIR **cannot be calculated** for the following hospitals because their predicted number of infections was less than one: Brattleboro Memorial Hospital, Mt. Ascutney Hospital, Northeastern Vermont Regional Hospital, and Porter Hospital.
- Results are **not available** for this reporting period for the following hospitals: Gifford Medical Center, Grace Cottage Family Health & Hospital, and Springfield Hospital.
- This measure does not apply to North Country Hospital for this reporting period.
- Central Vermont Medical Center, Copley Hospital, Northwestern Medical Center, Rutland Regional Medical Center, Southwestern Vermont Medical Center, and University of Vermont Medical Center were rated **no different** than the national benchmark.

Surgical Site Infection from Colon Surgery (SSI – Colon Surgery)

Hospital Name	No. of Infections Reported	No. of Procedures	Predicted Number of Infections	SIR
Brattleboro Memorial Hospital	0	15	0.365	n/a ¹³
Central Vermont Medical Center	1	26	0.678	n/a ¹³
Copley Hospital	0	4	0.087	n/a ¹³
Gifford Medical Center	n/a ⁵	n/a ⁵	n/a ⁵	n/a ⁵
Grace Cottage Family Health & Hospital	n/a ⁵	n/a ⁵	n/a ⁵	n/a ⁵
Mt. Ascutney Hospital	0	6	0.092	n/a ¹³
North Country Hospital	n/a ⁵	n/a ⁵	n/a ⁵	n/a ⁵
Northeastern Vermont Regional Hospital	n/a ⁵	n/a ⁵	n/a ⁵	n/a ⁵
Northwestern Medical Center	0 ²⁸	36 ²⁸	0.862 ²⁸	n/a ^{13, 28}
Porter Hospital	1	6	0.142	n/a ¹³
Rutland Regional Medical Center	3	73	1.967	1.525
Southwestern Vermont Medical Center	0	34	0.806	n/a ¹³
Springfield Hospital	0	1	0.021	n/a ¹³
University of Vermont Medical Center	15	406	10.323	1.453

- SIR **cannot be calculated** for the following hospitals because their predicted number of infections was less than one: Brattleboro Memorial Hospital, Central Vermont Medical Center, Copley Hospital, Mt. Ascutney Hospital, Northwestern Medical Center, Porter Hospital, Southwestern Vermont Medical Center, and Springfield Hospital.
- Results are **not available** for this reporting period for the following hospitals: Gifford Medical Center, Grace Cottage Family Health & Hospital, North Country Hospital, and Northeastern Vermont Regional Hospital.
- Northwestern Medical Center results are based on the hospital or facility’s data submissions. CMS approved the hospital or facility’s Extraordinary Circumstances Exception request suggesting that results may be impacted.
- Rutland Regional Medical Center and University of Vermont Medical Center were rated **no different** than the national benchmark.

Surgical Site Infection from Abdominal Hysterectomy (SSI – Abdominal Hysterectomy)

Hospital Name	No. of Infections	No. of Procedures	Predicted Number of Infections	SIR
Brattleboro Memorial Hospital	0	6	0.041	n/a ¹³
Central Vermont Medical Center	0	17	0.131	n/a ¹³
Copley Hospital	0	19	0.149	n/a ¹³
Gifford Medical Center	0 ³	4 ³	0.02 ³	n/a ^{3, 13}
Grace Cottage Family Health & Hospital	n/a ⁵	n/a ⁵	n/a ⁵	n/a ⁵
Mt. Ascutney Hospital	n/a ⁵	n/a ⁵	n/a ⁵	n/a ⁵
North Country Hospital	0	18	0.169	n/a ¹³
Northeastern Vermont Regional Hospital	0 ³	2 ³	0.017 ³	n/a ^{3, 13}
Northwestern Medical Center	0 ²⁸	39 ²⁸	0.284 ²⁸	n/a ^{13, 28}
Porter Hospital	0	15	0.125	n/a ¹³
Rutland Regional Medical Center	0	56	0.505	n/a ¹³
Southwestern Vermont Medical Center	0	28	0.247	n/a ¹³
Springfield Hospital	n/a ¹²	n/a ¹²	n/a ¹²	n/a ¹²
University of Vermont Medical Center	3	202	1.568	1.913

- SIR **cannot be calculated** for the following hospitals because their predicted number of infections was less than one: Brattleboro Memorial Hospital, Central Vermont Medical Center, Copley Hospital, Gifford Medical Center, North Country Hospital, Northeastern Vermont Regional Hospital, Northwestern Medical Center, Porter Hospital, Rutland Regional Medical Center, and Southwestern Vermont Medical Center.
- Northwestern Medical Center results are based on the hospital or facility's data submissions. CMS approved the hospital or facility's Extraordinary Circumstances Exception request suggesting that results may be impacted.
- Results are **not available** for this reporting period for Grace Cottage Family Health & Hospital and Mt. Ascutney Hospital.
- This measure does not apply to Springfield Hospital for this reporting period.
- University of Vermont Medical Center was rated **no different** than the national benchmark.

Methicillin-resistant *Staphylococcus aureus* (MRSA)

Hospital Name	No. of Infections Reported	No. of Patient Days	Predicted Number of Infections	SIR
Brattleboro Memorial Hospital	1	6955	0.144	n/a ¹³
Central Vermont Medical Center	0	22759	0.862	n/a ¹³
Copley Hospital	0	7067	0.147	n/a ¹³
Gifford Medical Center	0 ³	3206 ³	0.067 ³	n/a ^{3, 13}
Grace Cottage Family Health & Hospital	0	3720	0.078	n/a ¹³
Mt. Ascutney Hospital	0	6582	0.136	n/a ¹³
North Country Hospital	0	6093	0.128	n/a ¹³
Northeastern Vermont Regional Hospital	0	6377	0.133	n/a ¹³
Northwestern Medical Center	1 ²⁸	12224 ²⁸	0.349 ²⁸	n/a ^{13, 28}
Porter Hospital	1	7345	0.152	n/a ¹³
Rutland Regional Medical Center	0	29958	1.735	0
Southwestern Vermont Medical Center	0	15352	0.913	n/a ¹³
Springfield Hospital	0	5081	0.107	n/a ¹³
University of Vermont Medical Center	6	149585	13.8	0.435

- SIR **cannot be calculated** for the following hospitals because their predicted number of infections was less than one: Brattleboro Memorial Hospital, Central Vermont Medical Center, Copley Hospital, Gifford Medical Center, Grace Cottage Family Health & Hospital, Mt. Ascutney Hospital, North Country Hospital, Northeastern Vermont Regional Hospital, Northwestern Medical Center, Porter Hospital, Southwestern Vermont Medical Center, and Springfield Hospital.
- Gifford Medical Center's results are based on a shorter period than required.
- Northwestern Medical Center results are based on the hospital or facility's data submissions. CMS approved the hospital or facility's Extraordinary Circumstances Exception request suggesting that results may be impacted.
- Rutland Regional Medical Center was rated **no different** than the national benchmark.
- University of Vermont Medical Center was rated **better** than the national benchmark.

Clostridioides difficile (C. diff)

Hospital Name	No. of Infections Reported	No. of Patient Days	Predicted Number of Infections	SIR
Brattleboro Memorial Hospital	0	6477	1.536	0
Central Vermont Medical Center	6	22316	9.831	0.61
Copley Hospital	1	6727	2.666	0.375
Gifford Medical Center	2	2908	1.059	1.889
Grace Cottage Family Health & Hospital	0	3720	0.822	n/a ¹³
Mt. Ascutney Hospital	1	6582	1.454	0.688
North Country Hospital	0	5283	1.534	0
Northeastern Vermont Regional Hospital	7	6075	2.474	2.829
Northwestern Medical Center	4 ²⁸	12224 ²⁸	5.322 ²⁸	0.752 ²⁸
Porter Hospital	3	7345	2.896	1.036
Rutland Regional Medical Center	10	29329	16.508	0.606
Southwestern Vermont Medical Center	14	14553	8.388	1.669
Springfield Hospital	2	5081	2.307	0.867
University of Vermont Medical Center	62	137340	93.99	0.66

- SIR **cannot be calculated** for Grace Cottage Family Health & Hospital because their predicted number of infections was less than one.
- Northwestern Medical Center’s results are based on the hospital or facility’s data submissions. CMS approved the hospital or facility’s Extraordinary Circumstances Exception request suggesting that results may be impacted.
- Brattleboro Memorial Hospital, Central Vermont Medical Center, Copley Hospital, Gifford Medical Center, Mt Ascutney Hospital, North Country Hospital, Northwestern Medical Center, Porter Hospital, Rutland Regional Medical Center, Southwestern Vermont Medical Center, and Springfield Hospital were rated **no different** than the national benchmark.
- Northeastern Vermont Regional Hospital was rated **worse** than the national benchmark.
- The University of Vermont Medical Center was rated **better** than the national benchmark.

Surgical Site Infection - Knee Replacement Surgery (SSI – Knee Replacement Surgery)

Hospital Name	No. of Infections	No. of Procedures	SIR
Brattleboro Memorial Hospital	0	104	n/a
Central Vermont Medical Center	4	140	3.837
Copley Hospital	1	115	n/a
Gifford Medical Center	0	65	n/a
North Country Hospital	0	30	n/a
Northeastern Vermont Regional Hospital	0	17	n/a
Northwestern Medical Center	1	69	n/a
Porter Hospital	0	58	n/a
Rutland Regional Medical Center	2	341	Data not available
Southwestern Vermont Medical Center	0	106	0
Springfield Hospital	0	29	n/a
University of Vermont Medical Center	0	196	0

- **Too few surgeries** were performed to calculate a reliable SIR for the following hospitals: Brattleboro Memorial Hospital, Copley Hospital, Gifford Medical Center, North Country Hospital, Northeastern Vermont Regional Hospital, Northwestern Medical Center, Porter Hospital, Southwestern Vermont Medical Center, and Springfield Hospital.
- Data was **not available** to calculate a reliable SIR for Rutland Regional Medical Center
- Grace Cottage Hospital and Mt Ascutney Hospital and Health Center are excluded because they **do not perform** this surgery.
- Central Vermont Medical Center was rated **worse** than the national benchmark.
- Southwestern Vermont Medical Center and University of Vermont Medical Center were rated **no different** than the national benchmark.
- SSI: Knee surgery is updated annually in this report. Data source: NHSN, via VPQHC. Reporting period: 10/1/2021 - 9/30/2022.

Surgical Site Infection – Hip Replacement Surgery (SSI – Hip Replacement Surgery)

Hospital Name	No. of Infections	No. of Procedures	SIR
Brattleboro Memorial Hospital	0	107	n/a
Central Vermont Medical Center	4	145	2.479
Copley Hospital	0	66	n/a
Gifford Medical Center	1	40	n/a
North Country Hospital	0	25	n/a
Northeastern Vermont Regional Hospital	0	19	n/a
Northwestern Medical Center	0	79	n/a
Porter Hospital	0	40	n/a
Rutland Regional Medical Center	1	136	Data not available
Southwestern Vermont Medical Center	0	75	n/a
Springfield Hospital	0	21	n/a
University of Vermont Medical Center	6	324	1.469

- **Too few surgeries** were performed to calculate a reliable SIR for the following hospitals: Brattleboro Memorial Hospital, Copley Hospital, Gifford Medical Center, North Country Hospital, Northeastern Vermont Regional Hospital, Northwestern Medical Center, Porter Hospital, Southwestern Vermont Medical Center, and Springfield Hospital.
- Data was **not available** to calculate a reliable SIR for Rutland Regional Medical Center
- Central Vermont Medical Center and University of Vermont Medical Center were rated **no different** than the national benchmark.
- Grace Cottage Family Health & Hospital and Mt. Ascutney Hospital do not have data because they **do not perform** this surgery.
- SSI: Hip surgery is updated annually in this report. Data source: NHSN, via VPQHC. Reporting period: 10/1/2021 - 9/30/2022.