

[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 1/1/22 - 12/31/22.

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	288	0.166	n/a <sup>13</sup>
Central Vermont Medical Center	0	1358	0.919	n/a <sup>13</sup>
Copley Hospital	0	322	0.088	n/a <sup>13</sup>
Gifford Medical Center	0	287	0.077	n/a <sup>13</sup>
Grace Cottage Family Health & Hospital	0	242	0.066	n/a <sup>13</sup>
Mt. Ascutney Hospital	0	967	0.263	n/a <sup>13</sup>
North Country Hospital	n/a <sup>12</sup>	n/a <sup>12</sup>	n/a <sup>12</sup>	n/a <sup>12</sup>
Northeastern Vermont Regional Hospital	0	671	0.183	n/a <sup>13</sup>
Northwestern Medical Center	0	894	0.518	n/a <sup>13,28</sup>
Porter Hospital	0	230	0.062	n/a <sup>13</sup>
Rutland Regional Medical Center	0	2998	2.081	0 <sup>8</sup>
Southwestern Vermont Medical Center	0	1129	0.905	n/a <sup>13</sup>
Springfield Hospital	0	188	0.051	n/a <sup>13</sup>
University of Vermont Medical Center	19	20466	21.848	0.87

- 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.
- For Rutland Regional Medical Center the lower limit of the confidence interval cannot be calculated because the number of observed infections equals zero.
- 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	754	0.369	n/a <sup>13</sup>
Central Vermont Medical Center	2	2974	2.03	0.985
Copley Hospital	2	1488	0.971	n/a <sup>13</sup>
Gifford Medical Center	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>
Grace Cottage Family Health & Hospital	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>
Mt. Ascutney Hospital	0	663	0.433	n/a <sup>13</sup>
North Country Hospital	n/a <sup>12</sup>	n/a <sup>12</sup>	n/a <sup>12</sup>	n/a <sup>12</sup>
Northeastern Vermont Regional Hospital	0	1491	0.974	n/a <sup>13</sup>
Northwestern Medical Center	0 <sup>28</sup>	3045 <sup>28</sup>	1.492 <sup>28</sup>	0 <sup>28</sup>
Porter Hospital	0	573	0.374	n/a <sup>13</sup>
Rutland Regional Medical Center	1	4511	3.085	0.324
Southwestern Vermont Medical Center	3	1702	1.266	2.37
Springfield Hospital	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>
University of Vermont Medical Center	32	19346	26.735	1.197

- SIR **cannot be calculated** for the following hospitals because their predicted number of infections was less than one: Brattleboro Memorial Hospital, Copley 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, 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	0.356	n/a <sup>13</sup>
Central Vermont Medical Center	1	28	0.753	n/a <sup>13</sup>
Copley Hospital	0	5	0.113	n/a <sup>13</sup>
Gifford Medical Center	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>
Grace Cottage Family Health & Hospital	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>
Mt. Ascutney Hospital	0	8	0.153	n/a <sup>13</sup>
North Country Hospital	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>
Northeastern Vermont Regional Hospital	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>
Northwestern Medical Center	0 <sup>28</sup>	37 <sup>28</sup>	0.904 <sup>28</sup>	n/a <sup>13,28</sup>
Porter Hospital	1	5	0.119	n/a <sup>13</sup>
Rutland Regional Medical Center	3	69	1.918	1.564
Southwestern Vermont Medical Center	2	34	0.773	n/a <sup>13</sup>
Springfield Hospital	0	1	0.021	n/a <sup>12</sup>
University of Vermont Medical Center	17	417	10.789	1.576

- 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, and Southwestern Vermont Medical Center.
- 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	9	0.063	n/a <sup>13</sup>
Central Vermont Medical Center	0	16	0.132	n/a <sup>13</sup>
Copley Hospital	0	19	0.149	n/a <sup>13</sup>
Gifford Medical Center	0 <sup>3</sup>	4 <sup>3</sup>	0.02 <sup>3</sup>	n/a <sup>3,13</sup>
Grace Cottage Family Health & Hospital	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>
Mt. Ascutney Hospital	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>	n/a <sup>5</sup>
North Country Hospital	1	19	0.186	n/a <sup>13</sup>
Northeastern Vermont Regional Hospital	n/a <sup>12</sup>	n/a <sup>12</sup>	n/a <sup>12</sup>	n/a <sup>12</sup>
Northwestern Medical Center	0 <sup>28</sup>	47 <sup>28</sup>	0.36 <sup>28</sup>	n/a <sup>13,28</sup>
Porter Hospital	0	14	0.116	n/a <sup>13</sup>
Rutland Regional Medical Center	0	52	0.492	n/a <sup>13</sup>
Southwestern Vermont Medical Center	0	27	0.216	n/a <sup>13</sup>
Springfield Hospital	n/a <sup>12</sup>	n/a <sup>12</sup>	n/a <sup>12</sup>	n/a <sup>12</sup>
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, 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 Northeastern Vermont Regional Hospital and 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	6787	0.141	n/a <sup>13</sup>
Central Vermont Medical Center	0	22959	0.842	n/a <sup>13</sup>
Copley Hospital	0	6485	0.135	n/a <sup>13</sup>
Gifford Medical Center	0	4042	0.084	n/a <sup>13</sup>
Grace Cottage Family Health & Hospital	0	3754	0.078	n/a <sup>13</sup>
Mt. Ascutney Hospital	0	6785	0.141	n/a <sup>13</sup>
North Country Hospital	1	5914	0.124	n/a <sup>13</sup>
Northeastern Vermont Regional Hospital	0 <sup>3</sup>	4602 <sup>3</sup>	0.096 <sup>3</sup>	n/a <sup>3,13</sup>
Northwestern Medical Center	0 <sup>28</sup>	12172 <sup>28</sup>	0.294 <sup>28</sup>	n/a <sup>13,28</sup>
Porter Hospital	1	6891	0.143	n/a <sup>13</sup>
Rutland Regional Medical Center	1	31776	2.031	0.492
Southwestern Vermont Medical Center	0	15349	0.913	n/a <sup>13</sup>
Springfield Hospital	0	4552	0.096	n/a <sup>13</sup>
University of Vermont Medical Center	5	148790	14.943	0.335

- 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.
- Northeastern Vermont Regional Hospital'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	6273	1.392	0 <sup>8</sup>
Central Vermont Medical Center	5	22483	9.774	0.512
Copley Hospital	2	6135	2.122	0.943
Gifford Medical Center	2	3666	1.226	1.631
Grace Cottage Family Health & Hospital	0	3754	0.83	n/a <sup>13</sup>
Mt. Ascutney Hospital	2	6426	1.419	1.409
North Country Hospital	1	5144	1.136	0.88
Northeastern Vermont Regional Hospital	6	4389	1.708	0.198 <sup>28</sup>
Northwestern Medical Center	1	12172	5.058	0.878
Porter Hospital	3	6891	2.69	1.115
Rutland Regional Medical Center	9	31114	16.734	0.538
Southwestern Vermont Medical Center	12	14541	8.383	1.431
Springfield Hospital	1	4552	1.88	0.532
University of Vermont Medical Center	63	136546	92.827	0.679

- The lower limit of the confidence interval for Brattleboro Memorial Hospital cannot be calculated because there were zero infections.
- 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, Porter Hospital, 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.
- Northwestern Medical Center, Rutland Regional Medical Center, and University of Vermont Medical Center were 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.